Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Tuesday, January 22, 2019 9:30 AM
To:	Bedwell, Heidi
Subject:	Response to comments
Attachments:	PSE EE Response to Public Comment Jan 2019 Update.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

Per you request, please see the attached document.

Brad

Response to Public Comment	
PSE Energize Eastside -	Updated - January 2019

Line #	Multipart question?	t Question/Comment Address (If Author provided)	Date Submitted	Question/Comment	PSE Response
Ŋ	1/10 1/10	Alavi, Barry	8-Feb-18	My name is Barry Alavi, I am a Professional Engineer (PE) and Project Management Professional (PMP). I was an adjust professor on risk management at University of Washington for more than 5 years. I have more than 35 years of experience in building large infrastructure projects for the energy, aviation and transportation industries globally, USA and Canada. I am allo father of Darian Alavi who attends the Chestrut Hill Academy (LHA) located at 13633 SE 26th St in Bellevue, Washington. CHA is within 150' of the fence line of the existing PSE substation and will be proximate to the future proposed sub-station to the south of the CHA campus. My wife and I are concerned about the expansion of the substation, the increase in power lines voltages (115fVa to 230fVa) and the risks and exposures associated with such an expansion to the public, CHA staff and students. The of ympic ippeline (jat fuel, diesel and gasoline, owned and operated by BP, British Petroleum) 16" ippeline lateral shares a right of way with PSE power lines. There are several issues that I have brought up in various meetings with PSE and BP. The issues are :	We understand your concerns and have undertaken extensive analysis to ensure the continued safe collocation of the BP pipeline with PSE's facilities. The route ultimately pursued by PSE minimizes to the extent feasible the transmission line's interaction with the pipeline. Please see Section 3.9 of the Phase 2 Draft EIS and Section 4.9 of the FEIS for information. Please also see the DNV-GL study which directly addresses the potential for interactions between the utility facilities. The Olympic pipeline and the two existing 115KV transmission lines have safely shared the same corridor for decades. PSE and Olympic have a long history of working together and that continues with Energize Eastide. PSE does not have specific operational information on, nor can it make representations regarding Olympic's (BP's) pipeline system.
				BY typeline: 1) What are the impacts of the voltage increase on the existing Cathodic protection system? AC currents leaking into the pipeline from power lines above 15 volts causes surface corrosion (that leads to eventual crack and leakage), what measure are being taken to ensure that limit is not exceeded? What are the current measurements?	
e	2/10	Alavi, Barry	8-Feb-18 、	BP Pipeline: 2) The pipeline pressure fluctuations or cyclic pressure swings are a concern, what is BP doing to ensure a uniform operating pressure? The fluctuations contribute to micro cracks that could lead to a pipeline leak or explosion.	See section 4.9 of the FEIS for information related to Olympic's operations. As stated on page 4.9-25 of the FEIS, "because the Energize Eastside project does not affect pipeline pressure and flow rates, or other operating parameters of the pipeline, the potential characteristics of a spill or fire would be the same regardless if it occurred under the No Attion Alternative or Alternative 1." Regarding BP operating pressure management, PSE cannot speak with specificity or make representations regarding BP's operations.
7	0T/E	Alavi, Barry	8-Feb-18	BP Pipeline: 3) What measures are PSE and BP taking to minimize impact to the pipeline during construction? This relates to installation of tall power poles proximate to the buried pipelines. Induced vibration due to construction activity is a concern. The pipe in a 1955 vintage steel pipe coated with tar and asbestos,	See section 5.9 of the FEIS for information. The design of the Energize Eastside project, including the pole locations, is based on detailed surveys of the pipeline's existing location along the project route. Using this location information, the pole locations were selected to avoid impacts to the pipeline during construction. PSE is working closely with OPL on implementing construction procedures to protect the pipeline and inspection protocols and reporting to verify that all procedures are followed and to confirm that the pipeline was not impacted during construction of the Energize Eastside project. A third party observer will also be notife during construction to ensure implementation of all BMPs related to construction in prokemity to the pipeline.
ø	4/10	Alavi, Barry	8-Feb-18	BP Pipeline: 4) The new sub-station south of CHA will have a permanent access road over the pipeline, what are measures taken during Design and Construction to minimize impact on pipeline ? What outages are scheduled for the pipeline during construction?	See Section 5.9 of the FEIS for information. The design of the Energize Eastside project, including the pole locations, is based on detailed surveys of the pipeline's existing location along the project route. Using this location information, the pole locations were selected to avoid impacts to the pipeline during construction. PSE is working closely with OPL on implementing construction procedures to protect the pipeline and inspection such a and to non-procedures to protect the pipeline and inspection protocosis and reporting to verify that all procedures are followed and to confirm that the pipeline was not impacted during construction of the Energize Eastside project. PSE does not have specific operational information on Olympic's pipeline system.

PSE Response	Comment noted; however, PSE does not operate BP's facilities. ad valve assembly to prevent vehicle intrusion if a car veered off the main road onto the submitted to CHA for review and approval.	The Energize Eastside project will not create excessive EMF. Please see Section 4.8 of the FEIS for t are within 30 feet of CHA fence line on the information. See Section 2.2.2 of the Phase 2 Draft EIS for information related to undergrounding create excessive EMF, would PSE consider transmission lines. buried power lines) ? ?	At the new substation location (Richards Creek), only the 16" pipeline is located on site. The 20" pipeline is not located on the Richards Creek substation property. The 20" pipeline departs from the 16" pipeline at not located on the Richards Creek substation property. The 20" pipeline departs from the 16" pipeline at tion of the 20" buried pipeline ? Coal Creek Parkway, Factoria Boulevard, and SE 26th Street, until it rejoins the 16" pipeline at the gate station located to the north of the Lakeside substation.	IF levels after upgrade to 230kv ?	The new poles will be directly embedded into the ground or installed on a foundation. The type of stalled for the new poles , how is foundation could vary based on location in the corridor but will likely be a drilled pier or pile type mitigated ? foundation.	See section 5.9 of the FEIS for information. Additionally, the design of the Energize Eastside project, including the pole locations, is based on detailed surveys of the pipeline's existing location along the project route. Using this location information, the pole locations were selected to avoid impacts to the pipeline during construction. PSE is working closely with OPL on implementing construction procedures to protect the pipeline and inspection protocols and reporting to verify that all procedures are followed and to confirm that the pipeline was not impacted uning construction of the Energize Eastside project.		sponses from BP on the pipeline issues as they The upgrade of these transmission lines will be designed and built in accordance with current engineering aconcerns in state of California, the state does in the standards and in compliance with federal, state, and local laws and codes. econcerns in state of California, the state does if the standards and in compliance with federal, state, and local laws and codes. a concerns in state of California, the state does if the standards and in compliance with federal, state, and local laws and codes. a concerns in state of California, the state does a standards and in compliance with federal, state, and local laws and codes. a 's/st/titleSregs.asp). Although the probability of the consequences of the event to the CHA (over is located within a few hundred feet of the ot acceptable (not tolerable).	e contact me if you like to have a
Question/Comment	BP Pipeline: 5) On SE 26th there is a valve station that is above ground , BP shall install bollards in front of the pipe and valve assembly to prevent vehicle intrusion and accidents that can occur if a car veered off the main road onto the assembly. The design shall be submitted to CHA for review and approval.	<u>PSE</u> 1) There are several poles that are within 30 feet of CHA fence line on the west property line , these will create excessive EMF, would PSE consider under-grounding these lines (buried power lines) ?	<u>PSE</u> 2) The plans show only the 16" pipeline at the new sub station, but there are two pipelines, Can PSE show the location of the 20" buried pipeline ?	PSE 3) What are the projected EMF levels aft	PSE 4) What type of foundations are being installed for the new poles , how is the induced vibration onto the pipeline is mitigated ?		<u>PSE</u> 5) What are the existing AC levels of voltage at the pipeline ? Is the existing cathodic protection adequate for the future increase voltage ?	We have not received any responses from BP on the pipeline issues as they advised that information is company confidential. As a reference I would like to note that due to blast zone concerns in state of California, the state does not allow any public facility within 1500 feet of an operating pipeline (https://www.cde.ca.gov/Is/fa/st/titleSregs.asp). Although the probability of a pipeline explosion is low, the consequences of the event to the CHA (over 200 students and staff which is located within a few hundred feet of the pipeline and substations) is not acceptable (not tolerable). We believe the project is not necessary and will create substantial impacts	to the environment and the public. Please contact me if you like to have a
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PSE Energize Easiside - Kesponse to Public Comment Line Multipart Question/Comment Address (If Dat # question? Author provided) Submi	Alavi, Barry	Alavi, Barry	Alavi, Barry	Alavi, Barry		Alavi, Barry		Alavi, Barry	
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PSE Response		Operationally, there are always power flows across the northerm intertie. Typically, the power flows from north to south during the summer and south to north in the winter. However, as stated in the report prepared for Bellevue by Utility Systems Efficiencies, inc. (2015): "The Optional Technical Analysis examined this issue by reducing the Northerm Intertie flow to zero (no transfers to Canada). Although this scenario is not actually possible due to exist treaties, it was modeled transfers to Canada). Although this scenario is not actually possible due to exist treaties; the armodeled transfers to Canada). Although this scenario is not actually possible due to exist treaties; the armodeled transfers to Canada). Although the Roncherm Intertie adjusted to zero (no transfers to Canada). Although this scenario is not actually possible due to exist treaties; the armodeled the Talbot Hill 230/115 KV transformer #2 would still be overloaded by several contingencies (several different outage scenarios). The projected overloads indicate a project need at the local level to meet trealability regulations." EIS Phase 2, Chapter 1 - Based on federally mandated planning standards, PSE's analysis found that the existing transmission system could place Eastside custents and the transformer at a set and a state damage during peak power events that the regulations." EIS Phase 2, Chapter 1 - Based on federally mandated planning standards, PSE's analysis found that the existing transmission system could place Eastside custent to the transformer at the intervent of the transformer at the intervent the north and suppliced events that the existing 230-to-1115 KV transformer within the center of the Eastside to relieve stress on the existing 230-to-1115 KV transformer that currently supply the area. This would need to be fed by new 230 kV transmission he supplied even if one line goes down.	The commenter misinterprets voltage collapse. Voltage collapse and low-voltages are not one and the same. PSE has already seen flows more than 1,500 MW on the lines during the months of July and December that constitute peak summer and winter load periods.	Operationally, there are always power flows across the Northern Intertie. Typically, the power flows from north to south during the summer and south to north in the winter. However, as stated in the report prepared for Bellevue by Utility Systems Efficiencies, Inc. (2015): "The Optional Technical Analysis examined this issue by reducing the Northern Intertie flow to zero (no transfers to Canada). Although this scenario is not actually possible due to extant treaties, it was modeled
Question/Comment	conversation on these issues. Thank you!	EMALL: CSEE submission re PSE IRP, Docket UF-160918 1. "1_500 MW to Canada" Energize Eastside (EE) is an old, dusted-off project whose primary intent Energize Eastside (EE) is an old, dusted-off project whose primary intent Canada, in an area technically called the Northern Interfie at the Canadian border. BPA led this charge, concerned that up to 1,500 MW of power to Canada, in an area technically called the Northern Interfie at the Canadian border. BPA led this charge, concerned that up to 1,500 MW of power might be needed to send to Canada under a treaty with the United States. 1,500 MW is a lot of power, about what the city of Seattle consumes daily under normal conditions. This 2003-inaugurated project was called Snohomish-Lakeside-Talbot. "Energize Eastside" is still called only. Nevertheless, PSE kept in EE the supposed the historical origins of EL, PSE dustad it of fin ZUL4 and claimed it was a "new" project for local load only. Nevertheless, PSE kept in EE the supposed flow studies to justify EE. USE, an independent consultant hired by the City of Bellevue, assumed PSE's 1,500 MW assumption was correct and erroneously adopted it without question. Without that 1,500 MW factored into the computer simulation for an extreme cold day — an event that would stress system reliability — we now know there is no need for EE. The Lauckhart-Schiffman load flow studies prove that, and these are the only load flow studies ever done that are to talk transparent. PSE has steadfastly refused to fuly disclose the key data the used in its studies, studies come	EMAIL: CSEE submission re PSE IRP, Docket UE-160918 2. <u>Voltage collapse</u>	ANY such 1,500 MW "commitment" is impossible to meet, anyway. Why? Because there would not be transmission capability over the Cascades to deliver the needed amount of power to meet Puget Sound Area peak load and deliver this 1,500 MW to Canada. If PSE ever were to try to send 1,500 MW to Canada, or even significantly lesser amounts, there would be a voltage collapse as a result. To prevent appliances and motors from being
Date Submitted		19 19 19 19		5-Feb-18
Address (If provided)		8505 129th Ave. St., WA 98056		85U5 129th Ave. SE, Newcastle, WA 98056
Question/Comment Address (If Author provided)		Johnson, Larry		Johnson, Larry
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					fried due to low voltages, there would have to be a massive power shutdown in Western Washington in such an event. In other words, a blackout. PSE's load flow studies must surely have shown them that, and that is almost certainly the reason why they won't show their homework.	to provide data on the drivers for the EE project, to examine if regional requirements might be driving the need. The results showed that in winter 2017/18, even with the Northern Intertie adjusted to zero flow, the Talbot thil 230/115 kV transformer #2 would still be overloaded by several contingencies (several different outage scenarios). Again, the projected overloads indicate a project need at the local level to meet reliability regulations." Further discussion related to flows over the Northern Intertie are not warranted.
					EMAIL: CSEE submission re PSE IRP, Docket UE-160918	The PSE's Needs Assessment (2013) and Supplemental Needs Assessment (2015) have shown that the
					3. No Eastside "backbone", but rather a 115 KV network that needs no	need is the 230 kV/115 kV transmission capacity, which supplies the 115 kV network. The need is not on the 115 kV network. This result is based on in-depth analysis by qualified experts, including third party
					upgrading	experts. Utilities are required to rigorously plan the transmission system. To do this, PSE plans its transmission system.
			0505 100th		PSE's PR about the "backbone" of the grid on the Eastside having not been	u ansimission system to meet manuatory you un American clean clean clean clean clean of the autority (verve) and Western Electricity Coordinating Council (WECC) reliability performance requirements.
17	۲¢ ۲	Johnson, Larry	Ave. SE,	18-Jan-18	upgraded since the 1960s is not true. Starting as early as 1992, PSE considered upgrading the Lakeside transformer and feeding it with 230kV	Utilities (including PSE) must ensure the system will maintain reliable service to customers under a wide
1	2		Newcastle, WA 98056	 	lines to replace the existing 115kV lines as contemplated by EE. Instead,	range of scenarios of normal and not-so-normal conditions. These conditions include when the weather is
					over the years PSE has built a number of new 115KV lines to meet energy demand increases in the 1990s and into the early 2000s. What we have on	extremely hot, extremely cold, or when components of the system are out of service (i.e., existing powerline down for repair, equipment failure, or other unexpected outage). These federal regulations are
					the Eastside is a 115kV network, not a single backbone. See the attached graphic prepared by former Pueet Power VP for Power Planning. Richard	hot optional; they are required.
					o official system needs no further "uncardine", that shows this 115KV network. This system needs no further "uncardine".	
					EMAIL: CSEE submission re PSE IRP, Docket UE-160918	This comment contains a series of incorrect statements, and offers opinion. No question is contained
					A DSF's IRD rlines to outmoded forms of energy orodination and	regarding the CUP analysis. The application before Bellevue is a CUP; a different agency has jurisdiction over the IRP which is not a nermit anniterition. It is not clear whet muscion is heine acted it should he
					distribution.	noted that the statements made are incorrect.
					PSE stubbornly ignores your admonition to produce an IRP consistent with new technologies clean energy and a holistic approach to energy It has	
					consistently resisted adequate measures to reduce the carbon emissions	
					and toxic chemicals spewing out of the Colstrip plant in Montana. Further,	
					PSE compounds its backward-looking vision by promoting Energize Eastside	
			8505 129th		(EE), a 3300 million unosaur of a transmission project that would replace older wooden noles with even birger steel towers to transmit four times the	
18	1/3	Johnson, Larry	Ave. SE,	18-Jan-18	existing power — towers placed dangerously close to two aging pipelines	
			Newcastle, W/A 98056		pumping jet fuel under pressure through the Olympic Pipelines from	
					Bellingham to SeaTac and beyond.	
					EE is an environmental and public safety disaster waiting to happen. Yet PSE	
					rigms all public opposition tootn and nall because this project was i incentivized by a nearly 10% state-guaranteed return on infrastructure	
					investment. Maximizing corporate profit, promoted by our laws, drives this	
					project. To date PSE has reportedly spent up to \$50 million in PR and legal foot to coll EE to the public with above "load flow childred" (hiding foot data	
					from the public) and an onslaught of false advertising. Consistent with such	
					practices, P 1 SE plays the same hide-the ball tactics in its efforts to sell a	
					nait-baked IKP to the UIC.	

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	PSE Response	These comments are related to PSE's Integrated Resource Plan (IRP) and not the CUP application. A different agency has juristiction over the IRP, which is not a permit application.
	Question/Comment	EMAIL: CSEE submission re PSE IRP, Docket UE-160918 B. Energize Eastidies not needed and thus not a "resource" PSE can legitimately designate in its IRP. Richard Lauckhart is a former Vice President for Power Planning for what was then Puget Power. He has retained an abiding interest in assuring that the ratepayers he served for so many years not be called upon to suffer and pay for a meelless, dangerous, and environment tally harmful project. On January 9, 2018, Mr. Lauckhart submitted to you his detailed analyses about PSE's false project assumptions and rigged load flow studies undertaken to supported by a host of detailed technical facts. CSEE and Nrc. Lauckhart supported by a host of detailed technical facts. CSEE and Nrc. Lauckhart utilly document much of the sought after information it has withheld from CSEE. (SEISE and Nrc. Lauckhart, even after FIERC told PSE that Nrc. Lauckhart was CEII-cleared and deserved to have the complete data from the PSE- sponsored load flow data that Mr. Lauckhart, CSEE, and CENSE have been requesting for over the past three years be given to him. Additionally, another authoritative voice spoke out recently against EE for reasons sup as those given by Mr. Lauckhart. M. Steve Funk, a former Chairman of the Bellewine Mrc. Lauckhart. Mas a commissioner I thought of the city as a machine in which every part works together for the penning Commission, last week wrote in a Bellewine of the project has been thrown into doubt by new vorks together for the penning comernitien and the new Spring District. "As a commissioner I thought of the city as a machine in which every part works together for the penning consumption of electricity. "PSE is repearing the same mistake Seartle Gry Light made in receant y despite the cunving population and economy. These trends are occurring orosis to contrive date a providing the companies. Batter and increase District. "PSE is repearing the same mistake Seartle Gry Light made in research lighting arousis and there movin an elecining for eaction of the
mment	Date Submitted	18-Jahr-18
to Public Co	Address (If provided)	8505 129th Ave. SE. Nawcastle, WA 98056
PSE Energize Eastside - Response to Public Comment	Question/Comment Author	Johnson, Larry
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	PSE Response		Comments and optitions noted, however, no questions are posed.	PSE's CUP application is consistent with State and City regulations. To date, the major permit applications have been submitted for the southern portion of the project.
	Question/Comment	fired plant. Additional batteries can be installed to exactly match our need instead of building an expensive transmission line with more capacity than we may ever need.	EMALL: CSEE submission re PSE IRP, pocket UE-160918 C. The UTC needs to use the woefully limited power it has to signal to PSE and its investor owners that Energize Eastside is imprudent and unworthy of reimbursemt. The King County Bar Association's publication, Bar Bulletin, published my article, "The Toothless Washington Utilities and Transportation commission," in March 2017.31 arguein the article that the UTC is virtually unique among all other such state utility commissions in not having the barm has been done. Not surprisingly, the UTC has never exercised even this somewhat futile option, leaving open the question of what, beyond rates, the UTC can effectively regulate. Nothing in Washington law prevents the UTC from issuing a non-binding written opinion stating that building Energize Eastside would be imprudent, based on the existing evidence and subject to a responsive rebuttal from PSE. Your opinion stating that building Energize Eastside would be imprudent, based on the existing evidence and subject to a responsive rebuttal from PSE. Your opinion stating that building Energize Eastside would be imprudent, based on the existing evidence and subject to a responsive rebuttal from PSE. Your opinion stating that building Energize Eastside would be imprudent, based on the existing evidence and subject to a responsive rebuttal from PSE. Your opinion could be provisional opinion be a fair and responsible thing to do to protect the public, but it would also serve as a fair warning to PSE's foreign investor owners. PSE's continue to ignore and game the UTC that the public, but the extreme case PSE chooses to continue to ignore and game the UTC that the public regarding its IRP and boondoggie projects, then I submit the UTC that the inherent power to disenfranchise PSE and invite another entity to take its place. PSE was not giarted that monopoly.	Read Attachment: 2018-1-17 CENSE re PSE Segmentation.pdf
nment	Date Submitted		18-Jan-18	17-Jan-18
o Public Cor	Address (If provided)		8505 129th Ave. SE, Newcastle, WA 98056	Aramburu & Eustis, LLP T20 Third Avenue, SUITE 2000 Seattle, WA 98104
PSE Energize Eastside - Response to Public Comment	Question/Comment Author		Johnson, Larry	Aramburu, Rick
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	PSE Response	Five studies have affirmed the need for this project. Two of those studies were conducted by independent experts for the City of Bellevue and the Environmental Impact Statement (EIS) team. Independent consultants hired by the City of Bellevue and our professional transmission planners verified the need for the Energize Eastside Project.	Comment noted.	Please see the attached Comment Response Summary.			Please see the attached Comment Response Summary and 2015/2018 reports by Strategen Consulting.	Please see the attached Comment Response Summary.
	Question/Comment	Read emails and attachments from Line 21	PLEASEDon't let PSE get away with their costly, unnecessary, nature and neighborhood destroying Energize Eastside project. Don't let a foreign owned monopoly ruin our citles.	Dear Ms. Bedwell, I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:	 It is unnecessary and wasteful of ratepayer funds. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. It damages communities and the environment by removing thousands of valuable urban trees. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. 	Please notify me when any Bellevue public hearing for this project is announced. Sincerely, [YOUR NAME]	I'm against PSE getting approval for their Energize Eastside project. Current studies have shown that there is insufficient need for this project. The large poles and transmissions lines do not belong in our beautiful neighborhoods. I believe battery storage is an lode that should be addressed. Many other cities are already doing this. Our area is very progressive and I feel the current Energize Eastside project is definitely a progressive ands.	Something is terribly wrong in our community. How is it that a foreign- owned utility can construct a billion dollar project in the middle of our city to expand electrical transmission capacity at a time when demand is declining and safer, cheaper and more environmentally friendly alternatives are available? This is a backward move that industrializes our neighborhoods and costs our citizens billions of dollars for the benefit of foreign investors. This is not consistent with the vision the City Council
nment	Date Submitted	10-Jan-18	7-Mar-18		10-Mar-18		10-Mar-18	10-Mar-18
to Public Cor	Address (If provided)	Aramburu & Eustis, LLP 720 Third Avenue, SuirtE 2000 Seattle, WA 98104	Bellevue, WA				3625 Lake Washington Blvd N, Renton, WA 98056	4707 135th Place SE Bellevue, WA 98006
PSE Energize Eastside - Response to Public Comment	Question/Comment Author	Aramburu, Rick	Smith, Dean		Simmons, DeEtta		LeVeque, Marcia	Moore, Bob
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PSE Energize Eastside - Response to Public Comment

January 2019

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PSE Response	members such as Conrad Lee articulate to our citizens. (See the Bellevue City Council Newsletter) There is a huge disconnect. I hope our political leaders and regulators will step up and challenge this albatross.	Please list me as a party of record against the project. There is inadequate Please see the attached Comment Response Summary. need to cause such a blight on the neighborhood.	ermitting of • views I now	Please make me a party of record for the PSE permit process for Bellevue South and North. When there were hearings about the sale of PSE to foreign investors, I was very opposed to this sie and this is exactly why. It is evident, very evident, that this is a money grab by PSE for the investors. Though my very evident, that this is a money grab by PSE for the investors. Though my reade agreed for this project. There been following it closely and read agreet deal about battery options that are presently believe there is no need for this project and that there are much better solutions for any issues the City of Bellevue might encounter in the future Bellevue has the intercity. This project is wrong and I hope that the City of Bellevue has the intercity.	Send your name and address to Heidi Bedwell, hbedwell@bellevuewa.gov to be a party of record, as stated in the notice at bottom of this page. This will preserve your right to fine notice at bottom of this page. This will preserve your right to fine notice at bottom of this page. This will preserve your right to fine an appeal later if so desired and it will let the City know you do not want the City to approve the PSE application. This impacts my property; concerns about safety during construction around preserve your right to fine and and it will let the corridor, which has been in existing areas. The vast majority of the area development has occurred around the transmission corridor, which was established in the late 1320s and early 1330s. Any single family neighborhoods adjacent to the proposed in area rate of the proprises the inappropriate placement of industrial sized poles and transmission wires. Two points in the Bellevue Land Use Code back this up: a pojer must be compatible with intended character of the property and consistent with intended character of the property and the immediate vicinity. 2. design must be compatible with intended character of the properd than switch one or in close proximity to the existing the immediate vicinity. 2. Richards Creek Substration. The property currenty serves as a pole storage yard and has a utility corridor with existing transmission makes by adjacent from frure the use the vicinity.
Question/Comment	members such as Conrad Lee articulate to our citizens. (See the City Council Newsletter) There is a huge disconnect. I hope our leaders and regulators will step up and challenge this albatross.	Please list me as a party of record against the pro need to cause such a blight on the neighborhood.	Dear H Bedwell, I am writing you to register my protest to the p this project. Completion of this unnecessary project will significantly ruin the enjoy on Somerset hill it will diminish the value of my property.	Please make me a party of record for the PSE permit process for Bellevu South and North. When there were hearings about the sale of PSE to foreign investors, I was very opposed to this sail and this is exactly why. Though my views are not impacted by this project, I have been followin closely and read a great deal about it. I've also read numerous articles is the Wall St Journal and elsewhere about battery options that are preser being used elsewhere in the country and battery options that are preser being used elsewhere a dequately explored or considered. I stro believe there is no need for this project and that there are much better solutions for any issues the City of Bellevue might encounter in the futu with regards the integrity to stop it now.	Serid your name and address to Heidi Bedwell, hbedwell@bellevuewa.g to be a party of record, as stated in the notice at bottom of this page. Th will preserve your right to file an appeal later if so desired and it will let City know you do not want the City to approve the PSE application. This impacts my property; concerns about safety during construction are pipelines; the insufficient proven need for this project; the inadequate evaluation of non wired altermatives such as battery storage or demand response techniques; or the inappropriate placement of industrial sized poles and transmission wires. Two points in the Bellevue Land Use Code back this up: 1. a project must protect single family neighborhoods from encroachme by more intense uses, and 2. design must be compatible with intended character of the property a the immediate vicinity.
Date Submitted		9-Mar-18	9-Mar-18	14-Mar-18	10-Mar-18
Address (If provided)		4530 Somerset Drive SE Bellevue, WA 98006	4544 Somerset Place SE, Bellevue, WA 98006	5700 143rd PI SE, Bellevue, WA 98006	4417 Somerset Drive SF, WA 98006 WA 98006
Question/Comment Address (If Author provided)		Orth, Roger & Karen	Voetberg, Clair J. & Maxine	Gable, Jodi	Souder, Charles & Shirley
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PSE Response	PSE's existing Lakeside Switch substation, to the west by industrial development including a water and wastewater supply company, to the south by King County's Factoria Solid Waste Transfer Station, and upsiope to the east by a stormwater detention facility tract that is heavily vegetated. The substation use is consistent with the uses in the area and the current use of the site. Located within the Light Industrial (LI) zooing district, the existing site screening will be enhanced with the Richards Creek culvert replacement project and stream restoration and enhanced with the Richards Creek culvert replacement project.	PSE is unaware of any risk caused by constructing the project in two phases, and the phased construction has always been planned for operational reasons.	The development and construction schedule relates to constructability and to minimizing planned outages during construction that would make the transmission network system vulnerable to reliability. This does not imply that constructing half of the project would address the need fully.	The question does not provide an adequate level of specificity to provide a response; permitting matters are addressed as they arise.	Please see the attached Comment Response Summary.	The principal component of the Energize Eastside project is the new transformer at Richards Creek substation. The transmission lines are needed to energize the transformer. An incomplete project would not meet PSE's federal planning obligations.	Question is addressed to the City.
Question/Comment	,	Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions) 1. What are the risks associated with splitting this project?	Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 2. How will the project work and function if only one-half is built?	<u>Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit</u> <u>Questions 2018-03-09.pdf for detailed background on questions</u>) 3. What happens if one segment encounters permitting problems?	Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 4. What new Olympic pipeline risks are incurred when operating half of a transmission line?	Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 5. How would an incomplete transmission line increase reliability to customers?	Topic 2. Inadequate Public Outreach (SEPA EIS Element) [See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on guestions) 1. How will the City of Bellevue address inadequate Public Notice?
Date Submitted		10-Mar-18	10-Mar-18	10-Mar-18	10-Mar-18	10-Mar-18	10-Mar-18
Address (If provided)		2100 120th Pl SE, Bellevue, WA 98005	2100 120th Pl SE, Bellevue, WA 98005	2100 120th Pl SE, Bellevue, WA 98005	2100 120th Pl SE, Bellevue, WA 98005	2100 120th Pl SE, Bellevue, WA 98005	2100 120th Pl SE, Bellevue, WA 98005
Question/Comment Author		Borgmann, Russell	Borgmann, Russell	Borgmann, Russell	Borgmann, Russell	Borgmann, Russell	Borgmann, Russell
Multipart question?		1/55	2/55	3/55	4/55	5/55	6/55
Line #		31	32	33	34	35	36

PSE E	Energize E	PSE Energize Eastside - Response to Public Comment				
Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
37	<i>7/5</i> 5	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 2. Inadequate Public Outreach (SEPA EIS Element) (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 2. What steps will the City take to increase public awareness and provide adequate Public Notice to residents and require PSE to notify ALL affected customers?	Question is addressed to the City.
80	8/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 2. Inadequate Public Outreach (SEPA EIS Element) [See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions] 3. Will the City of Bellevue justify the short review period provided for the Application Permit, given that a 4,000+ page FEIS was just provided to the general public on March 1, 2018? To add insult to injury, the City is charging \$275 to obtain a copy.	Question is addressed to the City.
о Ю	9/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 3. Non-standard EIS Process (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 1. Please provide an explanation, legal justification, and examples of other DEIS and EIS that have been recently prepared following the same approach that the City of Bellevue has employed on the Energize Eastside EIS.	Question is addressed to the City.
40	10/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 3. Non-standard EIS Process (See attachment Energize Eastside Permit Questions 2018-03-09: pdf for detailed background on questions) 2. Viable Alternatives: PSE's technical consultants claimed to have asked the WA Department of Ecology for permission to install a paaking generator but was turned down. Where is that report? Why is PSE's request, Department of Ecology's response, and the report not included in the DEIS or other public records? Please detail why the cost and environmental impact to install a peaking generator is more than the environmental impact of the proposed Energize Eastside project. Where is the comparative analysis of those two alternatives?	PSE is unaware of specific conversations with or reports prepared in regard to Washington Department of Ecology (WDOE). To the best of PSE's knowledge, WDOE does not issue permissions to install electrical generation facilities. Additionally, the EIS partner cities had no interest in entertaining the idea of a power plant within their boundaries. Please see the Phase 1 Draft EIS at Section 2.3.3.3 regarding generation alternatives evaluated.
4	11/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 3. Non-standard EIS Process (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 3. Where is the comprehensive, <u>up-to-date analysis</u> of Battery Storage to satisfy the Eastside's future electricity needs? Where is the comprehensive comparative analysis between NWAs and Energize Eastside?	Please see the 2015 Eastside System Energy Storage Alternatives Assessment and 2018 Report Update by Strategen Consulting. PSE continues to evaluate alternative solutions, such as batteries, and has determined that these alternatives are not a practical solution for our transmission deficiency.
42	12/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 4. Alternatives (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 1. How will the City of Bellevue explain why batteries can, or cannot, meet the Eastside's peak demand needs?	Question is addressed to the City; additionally, please refer to the 2015 Eastside System Energy Storage and Alternatives Assessment and subsequent 2018 Report Update by Strategen Consulting.

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Line #	Multipart question?	Line Multipart Question/Comment Address (If Dat # question? Author provided) Submi	Address (If provided)	Date Submitted	Question/Comment	PSE Response
43	13/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 4. Alternatives (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions) 2. How will the City of Bellevue ensure it is working on behalf of its citizens to provide reliable, "Lowest Reasonable Cost" electricity by examining viable	Question is addressed to the City.
44	14/55	Borgmann, Russell	2100 120th PI SE, Bellevue,	10-Mar-18	atternatives? <u>Topic 4. Alternatives (See attachment Energize Eastside Permit Questions</u> <u>2018-03-09.pdf for detailed background on questions</u>] 3. How will the City of Bellevue justify excessive infrastructure and comments damage decommis concessive infrastructure	Question is addressed to the City.
			WA 98005		cost, more reliable, safter alternatives? Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See	Question is addressed to the City; however, PSE will comply with the City's requirements for "hard
			2100 120th	and the second	attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions)	surfaces" and "impervious surfaces" per Chapter 20.20 of the Bellevue Land Use Code. This will be detailed as part of the Project's Clearing and Grading Permit process. Proposed landscaping and re- veretation will be done in compliance with Sertion 20.31A of the Relievue Land Use Code.
45	15/55	Borgmann, Russell	PI SE, Bellevue, WA 98005	10-Mar-18	 How will the City justify building Energize Eastside, which violates Low Impact Development (LID) principles enacted by City Ordinances? Specifically, how will the City respond to criticism that LID-protected tree canopy will be destroyed and require decades to recover? LID is about more than storm water management and slope retention. 	
46	16/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See attrachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 2. Where are the air quality analyses in the permit application or DEIS? What will this transmission line do to air quality in the region during construction as well as during iong-term (decades) of operation?	Please see Section 4.5 of the Final Environmental Impact Statement (FEIS).
47	17/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 3. The permit application discusses steep slope retention and water management, but carefully avoids in-depth discussion of tree canopy and management. Why?	Vegetation removal will be detailed under the Project's Clearing and Grading Permits from the city of Bellevue. Alerevue. Air quality for the project is analyzed within the FEIS (refer to Section 4.5).
48	18/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5 Low Impact Development (LID) Principles and Tree Canopy (See attrachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on guestions) 4. Appendix D (pg 172 South Bellevue Critical Areas Report) classifies about two thirds of the removed vegetation as "Permanent", "Conversion", or "Temporary Impact", where long-term recovery remains undefined. While PSE apporary Impact", where long-term recovery remains undefined. While PSE apporars to have completed an inventory of vegetation loss, where is the analysis of the long-term impact of this vegetation loss, particularly as it relates to air quality in the region?	Carbon sequestration (the process in which atmospheric CO2 is taken up into plants or soil and subsequently "trapped") is discussed in Section 4.5 of the Project's FEIS. FEIS. Per the FEIS, construction of any of the segments and the Richards Creek substation site would result in some level of sequestration losses due to tree removal; however, the emissions would be substantially below the State of Washington reporting threshold of 10,000 metric tons and, therefore, less-thansignificant. Refer to Section 4.5 of the FEIS for more information.

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	19/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LUD) Principles and Tree Canopy (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 5. The DEIS and permitting only addresses short-term light and glare concerns during the construction phase. How will the City of Bellevue mitigate long-term light and glare concerns?	After project construction, light and glare impacts are not anticipated from project operations or maintenance activities. The only lighting proposed for the project is at the new Richards Creek Substation, where lighting would be downward-directed and interior to the project site - eliminating light and glare on adjacent properties. Steel poles will be coated with non-reflective materials to eliminate potential for glare.
	20/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 6. Will poles up to 110 feet tall require flashing beacons to alert low flying private alicraft of tall aerial obstructions, especially in areas that cross I-90 or higher elevations like Somerset?	PSE works with the Federal Aviation Administration to ensure compliance with the appropriate requirements. No lighted beacons are anticipated as part of the project.
	21/55	Borgmann, Russell	2100 120th 2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 6. Energize Eastside is Not an Essential Public Facility (See attrachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 1. How can Energize Eastside be deemed an EPF when it has been independently shown NOT to be essential to other directly affected jurisdictions (Renton, Newcastle, Redmond, and Kirkland)? PSE publically durisdictions (Renton, Newcastle, Redmond, and Kirkland)? PSE publically	The project has not been deemed an Essential Public Facility (EPF). Specific customer data (block loads) are not shared by PSE with the public. However, Energize Eastside is intended to serve future loads including spot/block loads that are predominantly in the Eastside area and in Bellevue. PSE's load forecasting over next 20 years have incorporated all the block-loads anticipated company-wide. All these block-loads collectively drive the need for this project. The information on these block-loads is publicly vanishele information and comes from ticks and jurisdictions. PSE is not generating this load and hence does not next downed that information in the anni-string. Some evamines of
					not other jurisdictions. (DEIS pg 1-6) Which block loads? Why isn't PSE publically disclosing block load shortages (if they exist) and anticipated block loads in their application? Topic 6. Energize Eastside is Not an Essential Public Facility (See	these loads are Sound Transit, Spring District development, Bellevue/Redmond/Renton downtown developments. Developments. Question is addressed to the City.
	23/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18		
	24/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 6. Energize Eastside is Not an Essential Public Facility. (See attrachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 3. Why hasn't PSE petitioned EFSEC to address the Energize Eastside project?	EFSEC does not have statutory authority over this project.
	25/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 6. Energize Eastside is Not an Essential Public Facility (See attrachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on guestions) 4. Why aren't City Staff and City Council pressing PSE on this question to get a full, accurate, and well-reasoned answer as to why PSE is not presenting the Energize Eastside project to EFSEC, instead of pressuring City Staff and	Question is addressed to the City.

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Line #	Multipart question?	rt Question/Comment Address (If r? Author provided)	t Address (If provided)	Date Submitted	Question/Comment	PSE Response
					City Councils on the Eastside?	
S	26/55	Borgmann, Russell	2100 120th PI SE, Bellevue,	10-Mar-18	Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on guestions) 5. Why zeen't PCF's answers to the EFSEC question heine multically	Please see the attached Comment Response Summary.
			WA 98005		disclosed to inform the general public?	
20	27/55	Borgmann, Russell	2100 120th PI SE,	10-Mar-18	Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)	EFSEC does not have jurisdiction over the project.
			bellevue, WA 98005		Will the lingering questions and questionable data justifying the Energize Eastside project withstand analysis and scrutiny by EFSEC?	
					Topic 6. Energize Eastside is Not an Essential Public Facility. (See attachment Energize Eastside Permit Onestions 2018-03-09 milf for	Question is addressed to the City; however, please see the attached Comment Response Summary. Additionally ESSEC does not have inviction over the anxion.
					detailed background on guestions)	אממותו ומוול ברבר מפצ וותו וואב לתופתותתו מאבו וויב לו מפרי
2	28/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	7. What does the City of Bellevue (acting as SEPA Lead Agency) have to lose by denying the Energize Eastside permits, thereby forcing PSE's hand to submit Energize Eastside before EFSEC? The four jurisdictions need not fear a lawsuit from PSE. The City can legitimately argue that PSE has the option and recourse to appeal before EFSEC before seeking relief in court. The City of Bellevue is within its rights to require PSE to obtain a full analysis from to bellevue is within its rights to require PSE to obtain a full analysis from	
					Erseu on the Energize Eastside project before Issuance of permits. Tobic 7. Build Environment (See attachment Energize Eastside Permit	NEPC/FERC do not require analycic of a "fall sona"
28	29/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 9 8005	10-Mar-18	LODIC J Build Environment, Lose artacoment, Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) Where are the studies showing that NERC/FERC requirements have been met for homes that are within the "fall zone" of the proposed 100ft+ tall monopoles? 	NEKC/FEKC do not require analysis of a "fall zone"
			2100 120th		Topic 7. Build Environment (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on guestions)	Question is addressed to the City; however, NERC/FERC do not require analysis of a "fall zone"
20	30/55	Borgmann, Russell	PISE, Bellevue, WA 98005	10-Mar-18	What studies can the City provide to assure homeowners that they will continue to qualify for home lending and homeowner's insurance?	
			2100 120th		Topic 8. NEPA Review (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)	The question is addressed to the City.
60	31/55	Borgmann, Russeil	PI SE, Bellevue, WA 98005	10-Mar-18	 Why has the City of Bellevue overlooked crucial binding documentation requiring Energize Eastside to submit for NEPA review? 	

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5	32/55	Borgmann, Russell	2100 120th Pi SE, Bellevue, WA 98005	10-Mar-18	Topic 8. NEPA Review (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions) 2. If BPA is not involved in Energize Eastside, why are there BPA Memoranda of Agreement (MOA) included on the City of Bellevue EIS scoping website? http://www.energizeeastsideeis.org/uploads/4/7/3/14045/2015-06- 011 mona.	PSE is part of an integrated system. Appropriate planning with interconnected utilities is a prudent practice. See 2015 letter from BPA to the City of Bellevue.
62	33/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 8. NEPA Review (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions) 3. Why would Seattle City Light pay PSE, if Energize Eastside is solely to address Puget Sound eastside (local) load growth?	The provided statement is incorrect. Seattle City Light is not paying for any part of Energize Eastside.
23	34/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 8. NEPA Review (See attachment Energiae Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 4. Where is the WA Department of Ecology determination of the need for a NEPA review?	WDOE does not implement does not determine the need for review under NEPA.
64	35/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<u>Topic 9. Critique of "5 Independent Studies" (See attachment Energize</u> <u>Eastside Permit Questions 2018-03-09.pdf for detailed background on</u> <u>guestions</u>] 1. Why has the City of Bellevue not hired electrical reliability expertise as recommended in 2012 by EXPONENT?	Question is addressed to the City.
ß	36/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	<u>Iopic 9. Critique of "5 Independent Studies" [See attachment Energize</u> <u>Eastside Permit Questions 2018-03-09.pdf for detailed background on</u> <u>questions]</u> 2. How does the City of Bellevue respond to criticism that the Eastside Needs Assessment Report contains assumptions that far exceed NERC Reliability Standards, while providing no measurable increase in reliability for PSE customers?	Question is addressed to the City. Federal regulations require that utilities plan a reliable system based on forecasted loads. The City of Bellevue's retained Utility System Efficiencies, Inc. (USE), and independent expert in transmission planning to perform an Independent Technical Analysis of Energized Eastside. USE's report, dated April 28, 2015 (Page 4) concluded that PSE has followed industry practice in USE's report, dated April 28, 2015 (Page 4) concluded that PSE has followed industry practice in forecasting its demand load, incorporating the four major components of forecasting. Additionally, exceedance of the 2018 summer peak forecast occurred in 2017, which shows that the forecasts that PSE used in its planning studies are accurate.
66	37/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions] 3. Why isn't the City pressing PSE to provide documented evidence – NERC regulations "chapter and verse" - describing the precise federal requirements that PSE is required to meet?	Question is addressed to the City; however, PSE follows the NERC TPL-001-4 requirements to analyze our transmission system that is part of the Bulk electric system of Western Interconnection. These requirements are publicly available on NERC 's website.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
6	38/22	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions] 4. Why isn't the City pressing PSE to provide evidence of why PSE chose to include N-9 layered assumptions that overly stresses then entire Bulk Electric System (BES), instead of NERC-mandated N-2 requirements?	Question is addressed to the City; however, the need for Energize Eastside has been validated by numerous independent industry experts that PSE followed the appropriate planning procedures. PSE follows the NERC TPL-001-4 requirements to analyze its transmission system as part of the Bulk electric system of Western Interconnection. These requirements are publicly available at NERC website.
80	39/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 5. How does the City of Bellevue respond to criticism that there are less expensive ways to address overloads at the Talbot Hill substation in lieu of building Energize Eastside?	Question is addressed to the City; however, please see the attached Comment Response Summary.
8	40/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on guestions] 6. Quanta, U.S.E and Stantec (PSE consultants) will NOT take a stance against PSE for fear of retaliation in the form of losing future lucrative consulting contracts from PSE and other utilities. How does the City of Bellevue respond to clear conflicts of interest on the part of Quanta (known to do substantial work for PSE's owner, Macquarie), U.S.E., and Stantec?	Opinion is noted. Question is addressed to the Citry; however, it is noted that the comments do not demonstrate that there is a conflict of interest.
70	41/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions) 7. Stantec did not independently analyze PSE's load forecast. Stantec accepted PSE's inputs as fact and verified that PSE had followed an industry- standard process. Why didn't Stantec obtain independent data from unbiased third-parties, rather than rely strictly on data provided by PSE?	Question is addressed to the City. Federal regulations require that utilities plan a reliable system based on forecasted loads. The City of Bellevue's retained Utility System Efficiencies, Inc. (USE), and independent expert in transmission planning to perform an Independent Technical Analysis of Energized Eastside. USE's report, dated April 28, 2015 (Page 4) concluded that PSE has followed industry practice in forecasting its demand load, incorporating the four major components of forecasting. Additionally, exceedance of the 2018 summer peak forecast occurred in 2017, which shows that the forecasts that PSE used in its planning studies are accurate.
r,	42/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions) 8. How will the City of Bellevue ensure they are making the best long-term decisions for residents to provide reliable, "Lowest Reasonable Cost" electricity?	Question is addressed to the City.
72	43/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 10. Corrective Action Plans, NERC Requirements (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 1. Why isn't the City pressing PSE for details about Corrective Action Plans (CAPs) that PSE has already initiated? Has PSE resorted to any CAPs to keep the lights on? The City should report publically exactly what corrective actions (iff any) PSE has already taken.	Question is addressed to the City; however, PSE's corrective action plans are confidential and contain Critical Energy Infrastructure Information (CEII).

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З	44/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 10. Corrective Action Plans, NERC Requirements [See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions] 2. Which specific regulations (NERC Standards "chapter and verse") recently changed that require PSE to increase reliability from an N-2 scenario to an N-9 scenario, Why has PSE layered on assumptions about sending 1,500MW to Canada, simultaneous with weekday morning temperatures below 23F, simultaneous with 2 of 4 transformers offline, all while 6 west-of-Cascade emergency generators owned by PSE - and 5 other non-PSE owned emergency generators - are offline? Where is the NERC requirement thanged that require all of these additional extreme assumptions to be layered upon the WECC 2018 Base Case?	Please see the attached Comment Response Summary. PSE follows the NERC TPL-001-4 requirements to analyze its transmission system that is part of the Bulk electric system of Western Interconnection. These requirements are publicly available on the NERC website. The TPL-001-4 requirement R2.7 states "when the analysis indicates an inability of the System to meet the performance requirements in Table 1, the Planning Assessment shall include Corrective Action Plan(s) addressing how the performance requirements will be met." During the planning process it is required to us to develop CAPs wherever the system would not satisfy the performance requirements. The 1 software contingencies that need to be strided at pash on various sensitivity cases. The adherence to the TPL standard ensures greater grid reliability and mitigates any future grid-wide black-outs.
74	45/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 10. Corrective Action Plans, NERC Requirements (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 3. Why isn't the City insisting on PSE to carefully distinguish between "Path Rating" and "Firm Requirement" for electricity transfers to Canada? Why isn't the City pressing PSE to re-run load flow studies without the additional layered assumptions on the WECC 2018 base case?	Question is addressed to the City; however, the need for Energize Eastside has been validated by numerous independent industry experts that confirm that PSE followed the appropriate pianning procedures. The work of PSE's transmission planners has been validated by independent experts for the City of Bellevue and the Partner Cities' Environmental Impact Statement (EIS) Team. In the Final EIS, the EIS Team noted: "The EIS consultant Team confirmed that the needs assessment was conducted in accordance with industry standards for utility planning. No change in Final EIS. See Key Theme OBJ-2 in Appendix J-1." Final EIS, Section 6.2, page 5-3. Operationally, there are always power flows across the norther intertie. Typically, the power flows from north to south during the summer and south to north in the winter. However, as stated in the report prepared for Bellevue by Utility Systems Efficiencies, Inc. (2015): "The Optional Technical Analysis examined this issue by reducing the Northern Intertie flow to zero (no transfers to Canada). Although this scenario is not actually possible due to extant treaties, it was modeled to provide data on the drivers for the EE project, to examine if regional requirements might be driving the need. The results showed that in winter 2017/18, even with the Northern Intertie adjusted to zero flow, the realishilty, regulations." Again, the projected overloaded by several contingencies (several different outage scenarios). Again, the projected overloaded by several contingencies (several different outage scenarios).
75	46/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 10. Corrective Action Plans, NERC Requirements (See attachment Energize Eastside Permit Questions 2018-03-09, pdf for detailed background on questions) 4. Why isn't the City pressing WECC for straight answers? Has anyone at the City reached out to WECC to get reliable data? Why isn't WECC holding PSE accountable?	Question is addressed to the City and WECC.

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PSE Response	TPL-001-4 standard also requires stressing the system to a reasonable level when evaluating the performance of the system to make sure that the system is robust enough to do system maintenance and also keep the system available for day-to-day operations. Hence the planning process is obligated to analyze the bookends and extreme situations that could happen in reality. In order to satisfy these performance requirements with future load growth, a CAP consisting of rolling black-outs is inevitable if the Energize Eastside project is not put in planer to provide a system that could provide reliable power during day-to-day operations. The operating world is governed by another set of operations NERC standards (TOP, BAL, EOP) that they need to adhere to support the reliability of the grid. It is up-to the operator to when, whether and how to arm the CAPs.	Question is addressed to the City; however, PSE has thoroughly explored various solutions to the Eastside need as evidenced by PSE's Solution Study (2015). PSE has rigorously studied many non-wire new technology solutions as evidenced by the E3 (2014) and Strategen (2015/2018) reports.           sible         (2015/2018) reports.	Question are addressed to the City and BPA; however, PSE lacks knowledge of and cannot speak to or represent BPA's operational data.         i the         i to         cold         da to	Exceedance of the 2018 summer peak forecast occurred in 2017, which shows that the forecasts that PSE used in its planning studies are accurate, although a bit conservative. As stated in the report prepared for Bellevue by Utility Systems Efficiencies, Inc. (2015): "several hypothetical scenarios were studied as part of the Optional Technical Analysis (OTA). Each one showed overloads in the 2017/18 timeframe, indicating project need in order for PSE to meet federal regulatory requirements for system reliability."
Question/Comment	Topic 11. Misleading Threats of "Rolling Blackouts" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)           1. Why does the "backbone" - this particular existing PSE 115kV transmission line – need to be upgraded if we can live without it for 9 months at a time? Mr. Jens Nedrud (former PSE Senior Project Manager on Energize Eastside) stated that this existing line can be taken out of service for up to 9 months without grid ramifications.	Topic 11. Misleading Threats of "Rolling Blackouts" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 2. Are there better ways to handle the other 3 months – periods of possible (not guaranteed) peak demand? Why isn't the City considering other less costly, less environmentally damaging viable alternatives to provide the most reliable electricity at the lowest fair price to consumers?	Topic 1.1. Misleading Threats of "Rolling Blackouts" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 3. Why isn't the City pressing PSE for the facts about BPA's automated curtailment system? How many times has BPA had to use this system in the last 5 years? Last 10 years? What has the trend looked like over the past 10 years? Is usage of this system over the last 10 years increasing or decreasing? Which way is power flowing during peak demand periods (cold weekday mornings below 23F) – from the U.S. to Canada, or from Canada to the U.S.?	Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) 1. During 2017, how close did the Puget Sound Eastside come to experiencing rolling blackouts? How many CAPS did PSE implement to maintain electricity to the region?
Date Submitted	10-Mar-18	10-Mar-18	10-Mar-18	10-Mar-18
Address (If provided)	2100 120th Pl SE, Bellevue, WA 98005	2100 120th PI SE, Bellevue, WA 98005	2100 120th Pl SE, Bellevue, WA 98005	2100 120th Pl SE, Bellevue, WA 98005
Question/Comment Address (If Author provided)	Borgmann, Russell	Borgmann, Russell	Borgmann, Russell	Borgmann, Russell
Multipart question?	47/55	48/55	49/55	50/55
Line #	76	4	78	62

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Line #	Multipart question?	Question/Comment Address (If Author provided)	Address (If provided)	Date Submitted	Question/Comment	PSE Response
	:				Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on guestions)	A portion of the comments are directed at the City; however, exceedance of the 2018 summer peak forecast occurred in 2017, which shows that the forecasts that PSE used in its planning studies are accurate, although a bit conservative. As stated in the report prepared for Bellevue by Utility Systems Efficiencies. Inc. (2014): "Several Norotherical scenarios were studied as part of the Ontional Technical Efficiencies.
80	51/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ol> <li>Which PSE forecast is accurate? How accurate are any of PSE's forecasts? Why isn't the City pressing PSE for the past 10-to-12 years of historical data, so we can see the real trend line? Seattle City Light makes that data readily available to the public. PSE has denied public requests for that data.</li> </ol>	Analysis (OTA). Each one showed overloads in the 2017/18 timeframe, indicating project need in order for PSE to meet federal regulatory requirements for system reliability." The magnitude and or duration of such overloads are not part of the federal planning standards, only that an overload is identified on the system.
						Federal regulations require that utilities plan a reliable system based on forecasted loads. The City of Bellevue's Independent Expert Utility. System Efficiencies, Inc. (USE) reported in Independent Technical Analysis of Energized Eastside, April 28, 2015 Page 4 - USE concluded that PSE has followed industry practice in forecasting its demand load, incorporating the four major components of forecasting.
					Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions)	Question is addressed to the City; however, it should be noted that the commenter confuses electricity use with electricity demand.
81	52/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18		Federal regulations require that utilities plan a reliable system based on forecasted loads. The City of Bellevue's retained Utility System Efficiencies, Inc. (USE), and independent expert in transmission planning to perform an independent Technical Analysis of Energized Eastside. USE's report, dated April 28, 2015 (Page 4). concluded that PSE has followed industry practice in forecasting its demand load, incorporating the four maior commonants of forecasting. Additionally excendance of the 2018 known on Arbitracest
					terry gary, autophy will continue the rate of projected growth in electricity to economic growth will continue: the rate of projected growth in electricity http://www.eia.gov/todayinenergy/detail.cfm?id=10491	occurred in 2017, which shows that the forecasts that PSE used in its planning studies are accurate.
			2100 120th PI SF		Topic 12. Customer Demand Forecast and "Heat Map" [See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions]	The Heat Map shown in the Needs Assessment Section 2.3 - King County Area Description, was used as an illustration of the most densely populated areas of King County. The graphic shows the most densely populated areas in red, which include Kenmore, Kirkland, Redmond, Bellevue, and Renton, nothing more.
82	53/55	Borgmann, Russell	Believue, WA 98005	10-Mar-18	<ol> <li>What would possess PSE to create a "Heat Map" illustration that overly exaggerates a worst case scenario that could never possibly occur in real life?</li> </ol>	
			2100 120th		Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09. pdf for detailed background on questions)	Question is addressed to the City; however, the Heat Map shown in the Needs Assessment Section 2.3 - King County Area Description, was used as an illustration of the most densely populated areas of King County. The graphic shows the most densely populated areas in red, which include Kenmore, Kirkland, Redmond, Bellevue, and Renton, nothing more. The renort does not include inarcurate or misleading
83	54/55	Borgmann, Russell	PI SE, Bellevue, WA 98005	10-Mar-18	<ol> <li>Why isn't the City pressing PSE for an explanation of how PSE created this "Heat Map" graphic, and why is it included in PSE's Eastside Needs Assessment Report? This report provides crucial supporting documentation for PSE's permit application and the EIS. This report should not contain inaccurate or misleading information.</li> </ol>	information.

	PSE Response	Cuestions are addressed to the City. To verify PSE's studies, the City of Bellevue's hired an independent expert, Utility System Efficiencies, Inc. (USE) to prepare an Independent Technical Analysis of Energized Eastside, April 28, 2015 Page 4. USE concluded that PSE has followed industry practice in forecasting its demand load, incorporating the four major components of forecasting.	Please see the attached Comment Response Summary. Section 6.13 of the FEIS states: "Corona noise was analyzed as a part of the Phase 1 Draft EIS and was found to be relatively low for nearby residential environments and virtually the same as existing noise levels, which is well below the limits required by local noise regulations."		Please see the attached Comment Response Summary. Additional information can be found in the EIS.
	Question/Comment	Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions) Why isn't the City requesting 10 years' worth of historical data on peak loads on each of Bellevue's 29 substations to verify the accuracy of PSE's statements? Where are those peak loads? When did those peak loads occur? For how long did they last? How much above the substation transformer nameplate rating were those peak? How would Energize Eastside roameplate rating were those peak load events? How is the City independently verifying PSE's claims?	I am writing to ask that the city NOT approve PSE's application to build Energize Earstide because: 1. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. 2. I'm concerned about noise pollution from the new power lines.	riease notify me when any believue public hearing for this project is announced.	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. 3. It damages communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. 5. PSE and the EIS process have failed to address the risks of this project due to the potential death and damage that these new lines will cause during a major landslide or seismic event. Quoting we follow national standards does not address the fact that the additional height of the lines will result in them falling through a substantial number of homes due to the unique environment and risks we face in the PNW. PSE has a history of claiming it's an act of god and not being held responsible for past events which have resulted in damage to homes by their lines.
nment	Date Submitted	HILI I I I I I I I I I I I I I I I I I I	12-Mar-18		
o Public Con	Address (If provided)	2100 120th Pl SE, Bellevue, WA 98005	13609 NE 28th St, Bellevue WA 98005		4538 Somerset Dr. SE Bellevue, WA 98006
PSE Energize Eastside - Response to Public Comment	Question/Comment Address (If Author provided)	Borgmann, Russell	Bowers, Jarvis		Cox, Sean
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tine #	Multipart question?	Question/Comment Address ()f Author provided)	Address (If provided)	Date Submitted	Question/Comment	PSE Response
8	11	Dehmlow, Sue	1720 140th Ct SE Bellevue 87007	8-Mar-18	<ol> <li>am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>At damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>PSE is in the business of generating income to it's shareholders and doesn't have our interests at heart.</li> <li>Please notify me when any Belevue public hearing for this project is</li> </ol>	Please see the attached Comment Response Summary.
					announced.	
õ	Г/т	Ray, Don	134 130th Ave NE, Bellevus, WA 98005	16-Mar-18	As a former nuclear power plant operator I can tell you PSE has never properly justified the CURRENT need for this expensive expansion. As a former president of a local software firm, I feel this PSE expansion is a business manipulation for profits and not in the long term financial interest of us rate payers. I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is innhecessary and wasteful of ratepayer funds. 3. It damages communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Please notify me when any Bellevue public hearing for this project is announced.	Please see the attached Comment Response Summary. Operation of a power plant is very different than planning and operating the electrical system.

	PSE Response	Please see the attached Comment Response Summary. The Energize Eastside project will replace existing transmission lines in an existing corridor that has been in operation since the late 1920s and early 1930s. Additional information can be found in the EIS.				Please see the attached Comment Response Summary. Additional information can be found in the EIS.			The transmission line project will upgrade existing transmission lines within an existing transmission corridor, avoiding new encroachment into neighboring single-family areas. The vast majority of the area's development has occurred around the transmission corridor, which was established in the 1220s and activity of the area's development.	early autom any autom to the proposed the are arready adjacent to the existing transmission lines.	
	Question/Comment	l would like to be party of record for CUP and CALUP applications. My name is Sirisha Dontireddy and my address is 4617 135th PLSE, Bellevue, WA 98006.	I have serious concerns regarding PSE's Energize Eastside project. 1. Safety concerns: Energize Eastside's proximity to ageing Olympic pipeline. This is earthquake prone area and having high powered transmission lines so close to the pipeline can be disastrous.	impact on my property. Not many people would want to buy a home that's close to high transmission power lines because of the exposure high levels of EMFs. 3. Views: Somerset neighborhood is cherished for its breathtaking views. These very tall, huge powerlines will totally dice the view up.	Thank you for your consideration!	l am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:	<ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> </ol>	Please notify me when any Bellevue public hearing for this project is announced.	Please record Sam and Karen Esayian , 4601 135th Ave SE, Bellevue, WA 98006, as party of record for comments on the PSE Bellevue South Application for Energize Eastside.	Our general concerns are for those also stated in the LUC for Bellevue: protecting single family neighborhoods from encroachment by more intense uses and the proposal to use a design that contradicts the intended character of a neighborhood. In addition, we have concerns about safety during construction adjacent to the pipelines and the inadequate evaluation of non wired alternatives.	Further comments will follow.
ument	Date Submitted		13-Mar-18				13-Mar-18			9-Mar-18	
o Public Cor	Address (If provided)						1861 140th Ave SE, Bellevue, WA 98005			4601 135th Ave SE, Bellevue, WA 98006	
	Question/Comment Address (If Author provided)		Dontireddy, Sirisha				Erskine, Jessica			Esayian, ƙaren and Sam	
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PSE Energize Eastside - Response to Public Comment

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PSE Response	Please see the attached Comment Response Summary. PSE disagrees with the commenter's opinion regarding the project. Additional information about EMF can be found in Section 4.8 of the FEIS.	Please see the attached Comment Response Summary.	Comment is addressed to the City.
Question/Comment	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. 4. There are less communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Please notify me when any Bellevue public hearing for this project is announced. PSE has misrepresented this project from day one—beginning by sending a post card stating that WHO listed exposure to EMF as not having a deleterious effect on the human body. In fact, at that time, WHO listed exposure to EMF as creategor the randet above, their project above.	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. 3. It damages communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Please notify me when any Bellevue public hearing for this project is announced.	Please add me as a party of record for Energize Eastside.
e tted	7-Mar-18	81-Jew-7	5-Mar-18
Address (If provided)	2455 127th Ave NE, Bellevue, WA 98005		3741 122nd Ave NE, Bellevue, WA 98005
Line Multipart Question/Comment Address (If Dat # question? Author provided) Submi	Evans, Alice	Hazen, Lisa	Johnston, Pam
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Line #	6	g	94

Line #	e Multipart question?	Line Multipart Question/Comment Address (If Dat # question? Author provided) Submi	t Address (If provided)	Date Submitted	Question/Comment	PSE Response
8	5	Judkins, Kathy Provide the second s	4324 136th PI SE, Bellevue, WA 98006- 2237	13-Mar-18	<ol> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>I. It is unnecessary and wasteful of ratepayer funds.</li> <li>I. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>I. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>I. There are less costly ways to enhance the reliability and resiliency of the stratide power grid.</li> <li>For me personally this project will place a huge steel pole in my yard within a few feet of my garage and the Olympic Pipeline. My driveway will be damaged as well as the private access to my home. During the project lwill have no automobile access to my home. I am 72 years old and a widow and have a congenital back istue so will not be able to climb up many stairs to get to my house. Also a tree over 50 years old will be cut down.</li> </ol>	Please see the attached Comment Response Summary. Additionally, PSE has reached out, and will confinue to reach out, to property owners along the corridor to discuss and clarify revegetation and access plans.
					announced.	
					I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:	Please see the attached Comment Response Summary.
96	1/1	Kaiboriboon, Kitti	13553 NE 54th Pl, Bellevue, WA 98005	14-Mar-18	<ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> </ol>	
					Please notify me when any Bellevue public hearing for this project is announced.	
					I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:	Please see the attached Comment Response Summary.
67	Ţ	kaner, Rick	6025 Hazelwood Lane SE, Bellevue, WA 98006	12-Mar-18	<ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> </ol>	
					Please notify me when any Bellevue public hearing for this project is announced.	

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86	1/1	Lakshmanan, Valliappa	4552 Somerset Dr. SE , Bellevue WA 98006	10-Mar-18	I am writing to ask that Bellevue NOT approve PSE's application to build Energize Eastside because there are several less expensive ways to provide additional power without destroying thousands of valuable urban trees, increasing risk of petroleum leaks and being an eyesore. I would like to be notified about public hearings.	Comment is addressed to the City.
8	5	Moore, Margaret	4707 135th Place SE Bellevue, WA 98006	9-Mar-18	I would like to be listed as a party of record to preserve my right to file an appeal later if I so desire. We do not want the City of Bellevue to approve the PSE application as it is now configured. PSE must be required to consider alternative solutions to their perceived potential energy disruptions which are more up-to-date, environmentally relevant and less intrusive. Two points in the Bellevue Land Use Code pertain to the current situation: 1. A project must protect single family neighborhoods from encroachment by more intense uses. The disruptions which are used by contained character of the property and the immediate vicinity. Through the 18 mile length of the proposed power lines, both of these elements will be violated and must be considered by both PSE and the Bellevue City Council before any further action is taken.	Please see the attached Comment Response Summary. 1) The transmission line project will upgrade existing transmission lines within an existing transmission corridor, avoiding encroachment into neighboring single-family areas. The vast majority of the area development has occurred around the transmission corridor, which was established in the late 1320s and development that provide adjacent to the proposed line are already adjacent to the early 1390s. Any single family neighboring single-family areas. The vast majority of the area areary 1390s. Any single family neighboring solar adjacent to the proposed line are already adjacent to the existing transmission lines. The utility corridor is part of the existing character of these areas. PSE is proposing to replace the existing 115 kV transmission poles with steel poles to accommodate 230 kV conductors. The poles will generally be installed in the same location or in close proximity to the existing poles. In most cases, the number of poles will be reduced from four to one or two. The consistency of the proposed transmission lines will be "be less-than-significant because [the proposed project] is consistent with city and subarea plans, and would not adversely affect existing or future land use patterns." DEIS at 3.1-37.
100	1/1	Mansfield, Peter	4568 Somerset Place SE, Bellevue, WA 98006	9-Mar-18	Please add my name as a party of record NOT in favor of the City of Bellevue granting a permit to PSE for any portion of their proposed Energize Eastside Project. I do not believe they have made their case for the necessity of this project nor do I believe they have adequately evaluated alternative methods to meet peak electricical power demands. Electrical energy delivery and distribution is in the process of beling completely rethought on a national and international scale. It would be a mistake to allow, at this time, construction of additional high voltage power transmission lines and towers through our city. It is rapidly becoming old technology. I know we can do better. We are leaders after all.	Please see the attached Comment Response Summary. 2) Richards Creek Substation. The property currently serves as a pole storage yard and has a utility corridor with existing transmission lines, water pipelines, and a petroleum pipeline through the center of the site. It is well screened from surrounding uses by mature vegetation. The site is surrounded to the north by PSE's existing Lakeside Switch substation, to the west by industrial development including a water and wastewater supply company. To the south by King County's Factoria Solid Waster Transfer Station, and upslope to the east by a stormwater detention facility tract that is heavily vegetated. The substation, and upslope to the uses in the area and the current use of the site. Located within the Light Industrial (LI) zoning district, the existing site screening will be enhanced with the Richards Creek culvert replacement project and stream restoration and enhancement proposal.

	PSE Response	Please see the attached Comment Response Summary. The comments do not provide specific information to support the claims being made. PSE has provided extensive documentation on the Energize Eastside project. The City's EIS provides numerous independent evaluations on the project.			Please see the attached Comment Response Summary.			Please see the attached Comment Response Summary and the 2015 Fastside System Frenzey Storage	Alternatives Assessment and 2018 Report Update by Strategen Consulting.
	Question/Comment	Dear Mis. Bedwell, The purpose of this letter is to express concerns CENSE has with Puget Sound Energys applications for a Conditional Use Permit and a Critical Areas Land Use Permit to construct a new 230kV to 115kV substation at Richards Creek and replace 18 miles of 115kV transmission lines between Renton and Redmond with 230kV lines. CENSE objects to PSEs project because:	<ol> <li>PSEs data does not substantiate the need for the project. Therefore, the project is not a prudent investment of ratepayer dollars.</li> <li>PSEs study of the safety risks posed by embedding 67 large-diameter power poles within feet of half-century-old pressurized petroleum pipelines is based on flawed assumptions.</li> <li>PSEs evaluation of less-costly technologies available to enhance the reliability and resiliency of the Eastside power grid is inadequate.</li> <li>The removal of thousands of valuable urban trees would damage communities and the environment.</li> </ol>	CENSE will submit additional comments at a later date.	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:	<ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> </ol>	It bothers me that we are a world class city and yet the power lines in my neighborhood (New Port Hills) look like they will fall or come dangerously close to things bellow. I don't understand why we would spend more money on making our neighborhood even more insightly with larger power lines. I will never understand the need for it if we can invest that money and put the power lines in the ground. And I bet that there more people than I who would be willing to support this idea. Please don't force PSF's greedy investors interest on us who have to live with the consequence.	Please add my wife & I to Party of Record for Energize Eastside.	We strongly oppose the City approving the PSE application. PSE provided inadequate evaluation of non-wired alternatives.
mment	Ъ.		13-Mar-18				7-Mar-18		9-Mar-18
to Public Cor						6023 121st	Bellevue, WA 98005 WA 98005	4518	Somerset Dr SE, Bellevue, WA 98006- 3062
PSE Energize Eastside - Response to Public Comment line Multimet Question(Comment Address (If Det	question/comment Author		Marsh, Don			-	Melman, Diana		Mickelson, Dave & Denise
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PSE Energize Eastside - Response to Public Comment

January 2019

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PSE Response	A Construction Stortwwater Pollution Prevention Plan (CSWPPP) has been prepared for the Richards Creek Substation project and will be submitted to the City of Bellevue as part of the Project's Clearing and	urading Permit for Nichards Creek. The CSWPPP contains provisions for onsite stormwater management and flow control (met through the proposed detention vault, and includes calculations for the sediment pond sizing).						
Question/Comment	Please accept our comments on Energize Eastside File Number 17-120556- LB and17-1205657-LO.	The original signed copy is being sent through the US mail to Development Services.	Stormwater comments - Richards Creek 230 kV Substation:	This is an industrial project site, with extensive use of galvanized materials containing zinc. The application incorrectly calls the entire site an "infrequently used maintenance access route".	Minimum Requirement S, onsite stormwater management is required and has not been satisfied.	Minimum Requirement 6, runoff treatment, requires enhanced treatment for metals. There is currently no treatment provided for this industrial site.	Minimum Requirement 7, flow control: There is no documentation of the detention vault sizing and function. The application must include a stormwater report that documents compliance with all minimum requirements and includes hydrologic modeling results for detention sizing and control structure. The lower half of the driveway / access road flows directly into the creek with no flow control, treatment or onsite stormwater management.	The substation fails to meet LUC 20.25H.080.A.3.
Date Submitted					8-Mar-18			
					4700 133rd Avenue SE, Bellevue,	WA 98006		
n/Comment					Nolan, Joan & Robert			
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PSE Response	The City does not have jurisdiction over the Clean Water Act sections 404 and 401 permit processes. Wetland D hydrology has been provided over time by a combination of overbank flooding and shallow, subsurface seepage heading downslope, towards the vicinity of the dead end of S 30th Street. Our subsurface stream channel restruction most of wetland D will not change appreciably due to the proposed stream channel restruction work. Overbank flows tend to occur during the winter when hydrology is already at or near the ground surface. Since the stream channel is angled down the slope, we anticipate that the stream will continue to provide near-surface hydrology to the downslope Wetland D will permeable soils downslope to supply wetland areas, as opposed to re-entering the channel.Mittigation plans along with a monitoring and maintenance plan for the 5-year monitoring period will be permeable soils downslope to supply wetland areas, as opposed to re-entering the channel.Mittigation plans along with a monitoring and maintenance plan for the 5-year monitoring period will be prepared for the project and reviewed/approved by appropriate agencies.Concentrated flows or long-term erosion is not anticipated at the Richards Creek Substation site. Stream and wetland bank revegetation will provide boths and ong-term erosion controls. New native dimensions and flow-carrying vetland and stream buffer functions, along with increased channel hydrology to the wetland A are contiguous with adjacent stream segments, the primary source of hydrology to the wetland is from groundwater seeps. As such, disruptions to hydrology from the stream restoration project are not anticipated. Wetland monitoring will be included in the project's monitoring dual maintenance plan.
Question/Comment	Wetland comments - Richards Creek 230 kV Substation: This project requires a Section 404 permit and a Section 401 Water Quality Certification. Thresholds for Section 404 and 401 permitting require analysis of the entire project impacts, not just a partial phase in one municipality. Wetland D hydrology is provided by overbank flooding from Stream C. The new culvert will eliminate overbank flooding of wetland D. Project must fully mitigate the loss of wetland D. Project must complete a final mitigation report that includes mitigation goals, performance standards, monitoring and maintenance protocols, data sheets and rating forms, and contingencies for 5 year monitoring period. This project would increase storm runoff, by cutting trees on the east side and channels that discharge into wetland A at the NW corner of the development and discharge into Wetland H at the SW corner. These concentrated flow around the project site, and concentrating this runoff into new channels that discharge into Wetland A at the NW corner of the development and discharge into Wetland A at the SW corner. These concentrated flow around the project site, and concentrated flow these wetlands and exacerbate downstream sediment deposition. The project would disrupt the hydrology of slope wetlands both upslope and downslope of the new stream channel. This project will create two upland berms running through the middle of Wetland A. Project is not adequately mitigating for these impacts. Project must include monitoring of the wetland berms running through the new stream channel.
Date Submitted	8.Mar.18
Address (If provided)	4700 133rd Avenue SE, Bellevus, WA 98005
Line Multipart Question/Comment Address (If # question? Author provided)	Nolan, Joan & Robert
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106	3/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	Curvert and stream channel comments - Richards Creek 230 kV Substation: This project's new Culvert and new stream channel require Hydraulic Project Approval (HPA) and 401 Water Quality Certification permits. The long-term impacts and disruption to existing wetlands and streams does not justify the berned stream channel which would be disconnected from adjacent wetlands. The new culvert and stream channel would increase preak flows to downstream systems. Proposed culver thas a sediment trap within the structure. This is an illegal structure. There is no plan or design for maintenance cleaning of sediment, which would dewater the creek and disrupt the aquatic life in the stream. The culvert and stream relocation calls itself a Habitat Improvement Project as part of development of a utility facility. Instead of enhancing fish and wildlife habitat, it would disrupt existing ecosystem functions and create an unnatural bermed stream in the middle of wetland A, in the process cutting many mature trees. The application states the channel would be regraded to assist in sediment transport. This project occurs at an abrupt transition in stream grade, from steep to shallow. The proposed stream relocation would extend the steeper section beyond the project development, facility ing sediment transport through the PSE site and allowing deposition of sediment to occur downstream, impacting downstream parcels. The wetland and stream relocation would removed which are mostly clustered adjacent to the stream. Proposed to be removed which are mostly clustered adjacent to the stream. Proposed to be removed which are mostly clustered adjacent to the stream. Softment, wetland. Project is poland/burffer trees (2 gallon) in what was formely wetland. Project is upland/burffer trees is just 66 small two-gallon wetland berces survive, the twe weland's forset will be a net increase in the number of trees in the welandy frees is in the wall of or decades.	Comments noted. The approvals listed are not under the jurisdiction of the City. Howeve, PSE has been working with WDFW and Tribes to facilitate the stream enhancement project and remove instream flow restrictions that have resulted from the existing undersized culters. PSE is seeking a Section 40.4 Permit for the Richards Creek Substation site. PSE must obtained from Bellevue. The stream that have resulted from the existing undersized culters the stream the stream flow restrictions that have resulted from the existing allenting. Will provide instream flow for the stream, whereas the existing alignment is straight, buffers of substantial width along both sides of the stream, whereas the existing alignment is straight, the mative glaintings will provide inspectionally and native vegetation that could potentially reduce velocity of plantings will provide inspective flows; thereby improving wetland and stream buffer functions, along with increased channel dimensions and flow-carrying capacity. The reprosed replacement culvert for the access route to conveyance for up to the 100-year peak flows; thereby improving wetland and stream buffer functions, along with increased channel dimensions and flow-carrying capacity. The replacement culvert will contain a sediment than access route with a nod-access onte with and for aling and negation that could provide intervent design standards for fish passage (WDFW 2013), provide flow conveyance for up to the 100-year period will provide a net increase in species and structural diversity. Culvert replacement to wetland, and buffer areas will be rehanced with new native plantings, which will provide a net increase in species and structural diversity. Culvert replacement is nod-accessible for and for and habitat tompose in stream matrice plantings, which will provide planting
107	4/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	Forest Canopy losse - Richards Creek 230 kV Substation: Besides the removal of 65 mature wetland trees as part of stream relocation, this project is proposing to remove 205 mature trees for project development, and the cutting (topping at 15' height) of 46 trees as part of a vegetation management area. The 205 trees removed include two 30" diameter maple trees and a 34" diameter maple trees. The 46 trees topped include 48" diameter and 30" diameter maple trees. There is no mitigation proposed to mitigate these impacts as part of the Richard Creek 230KV Substation project. This project fails to maintain existing tree canopy coverage, let alone meet targets.	Mitigation of tree removal will be part of the project. Vegetation Management at this location is for the reliability of a 230 kV substation and not related to the power line phase of the project.

	PSE Response		The pole heights on the photo simulations are approximations. Additionally, the plan height referenced in the comments are for total pole length, not the above ground height.	PSE design meets the appropriate NESC design requirements. Property owner vegetation replacement will be addressed on a property-by-property basis. PSE has made considerable efforts to meet with property owners. If property owners are interested, they can contact PSE. This expected that in most instances, the poles would be installed at a depth that would be greater than the depth of the Olympic pipeline(s). Profile views could be provided as part of the Clear and Grade permit application. Temporary access roads will be developed as necessary to meet construction requirements. PSE will be developed as necessary to meet construction requirements. PSE will be orridor and project duration. Pole finish will be suggested by PSE; however, the permitting jurisdictions will have input into the final decision.	
	Question/Comment	There is no justification to top 46 mature trees in the vegetation management area. This area is not under any new or existing power lines.	Conceptual photo simulations: The conceptual photos do not represent the project as applied for in the plan sheets. Conceptual 30 shows 75' poles, plans show 85' to 100'. Conceptual 38 shows 55' poles, plans show 70' to 80'. Conceptual 39 shows 75' poles, plans show 72' to 92'. Conceptual 18 shows 80' poles, plans show 82' to 90'. Conceptual 18 shows 80' poles, plans show 82' to 90'.	New Monopoles comments: The foundation-style installations require site-specific geotechnical studies. The foundation-style installations require engineered design drawings. The foundation designs must be analyzed for seismic stability. These new monopoles are proposed to be eighty to one hundred twenty- five feet tall, carrying multiple high-voltage lines under tension, which could land directly on residential houses and a middle school if the foundations should fail. Please provide a profile view of the underground portion of each pole, in relation to the pipeline depth. Would foundations be deeper than the adjacent pipeline depth. Would foundations be deeper than the adjacent pipeline depth? How close to the pipeline both vertically and horizontally would these pole installations occur? The Construction Scenarios presented in Appendix B of the plans do not have any scale. How wide would the access road be? Resident's land? Installing a two-gailon tree to replace a full grown tree does not mitigate the long-term hous of shade, visual buffer, and noise reduction benefits we currently enjoy. Ite tande the accurse and pay that cost to the land owner. The Curster proposed to be disturbed and pay that cost to the land owner. The Curster proper should provide not been consulted on the choice of pole	minush. Hins is an important consideration, both for the overall character of the neighborhood, and for residents who will have to look at individual
iment	Date Submitted		8-Mar-18	S.Mar. 8	
to Public Con	Address (If provided)		4700 133rd Avenue SE, Bellevue, WA 98006	4700 133rd Avenue SF, Bellevue, WA 98006	
PSE Energize Eastside - Response to Public Comment	Question/Comment Author		Nolan, Joan & Robert	Nolari, joan & Robert	
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omment Addre			4770				
	Nolan, Joan & Robert			Nolan, Joan & Robert			Nolan, Joan & Robert
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alla #	Munipari question?	Author	provided)	uate Submitted	Question/Comment	PSE Response
113	01/01	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue	8-Mar-18	Alternative Sitting Analysis – Questions: PSE states that the proposed Energize corridor was chosen after extensive study. How can this be when PSE has still not produced any evidence that it has considered EIS comments from at least 2016 onwards?	PSE initiated a Community Advisor Group that met a multitude of times to assess and recommend corridors. Additionally, there are only limited areas zoned as industrial through the City. PSE chose the existing corridor as it is one of only a few north-south existing utility corridors; placing the new lines in the existing 115 kV corridor limits impacts.
			WA 98006		Why has PSE chosen a residential corridor rather than an industrial corridor for Energize? What will PSE do to mitigate the negative impact to the City of Bellevue view corridors?	
114	1/1	Picatti, William	5245 Highland Drive,	14-Mar-18	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because the data that PSE has provided is faulty in oh so many ways. The use of winter-time load factors combined with summer- time derating factors is but one example. Combine the use of faulty information with the lack of acceptance of updated usage / demand	Please see the attached Comment Response Summary.
			Bellevue, WA 98006		numbers and new technologies, and this request doesn't make sense. This proposed project is way too expensive and potentially hazardous to the noriconment and the people that live near the proposed new line. Please, do not support the PSE proposal for this new, dangerous transmission linel	
115	1/1	Rossi, Ralph A.	5933 149th Ave SE, Bellevue, WA 98006	13-Mar-18	I would like to be a party of record, opposing PSE's planned power line expansion in Bellevue.	Comment is addressed to the City.
					As a concerned citizen of Bellevue, I am writing to ask that the city NOT approve PSE's permit application to build high-voltage transmission lines for its Energize Eastside project that will cut through our neighborhoods and schools, and gravely endanger us all.	Please see the attached Comment Response Summary.
					As has already been argued countless times in public meetings on this issue, this project is unnecessary and a waste of ratepayer funds. It was undertaken primarily for the purposes of generating a financial return for the utility's investors.	
116	1/1	Saw, Chit	13809 SE 51st Place, Bellevue, WA 98006	11-Mar-18	Furthermore, it is risky to install tall power poles within feet of two half- century-old petroleum pipelines. A section of PSE's preferred alignment for the new poles will cut right through Tyee Middle School, which my child attends. Why would the city government, which is supposed to represent the interests of its citizens, even consider putting staff and students at risk for a project which brings little benefit to the communy? Not to mention	
					uic demoge that this upgue of the landscape will pring to our communities and the environment by removing thousands of valuable urban trees. After all, aren't we supposed to be a "City in a Park"?	
					There are far less costly ways to enhance the reliability and resiliency of the Eastside power grid. I would urge you to take the concerns of Bellevue citizens seriously and accordingly reject PSE's Energize Eastside permit application. Let's all work together to find real solutions that are more in	

Line #	Multipart question?	Question/Comment Author	: Address (If provided)	Date Submitted	Question/Comment	PSE Response
					line with our values as a city.	
113	Ę	Scott, David & Sherron	4539 Somerset Dr. SE, Bellevue, WA 98006	10-Mar-18	4539 Somerset Dr.S.E. Bellevue Wa. 98006 The above address, our home is situated in close proximity to the gas pipeline on the west and downhill side of the line. We have strong concerns relative to the safety in regards to any intrusion of the environment adjacent to the existing lines by the addition of the proposed power transmission lines.	Please see the attached Comment Response Summary and Section 4.9 of the FEIS.
118	1/1	Stronk, Sue	12917 SE 86th Pl, Newcastle, WA. øssete	12-Mar-18	<ol> <li>am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum piselines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> </ol>	Please see the attached Comment Response Summary and EIS.
					4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Please notify me when any Bellevue public hearing for this project is announced.	
					I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is risky to install tall power poles within feet of two half-century- old petroleum pipelines. 3. It damages communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.	Please see the Comment Response Summary.
113	5	Suurs, Mindy	4562 144th PI SE, Bellevue, WA 98006	8-Mar-18	Why would such a progressive, tech-oriented area (Eatstide) use anything less than the newest, best, most environmentally friendly utilities? Why spend so much money and end up with an outdated eyesore result? Do NOT let the profit motive of this corporation (PSE) dictate this backward- thinking plan. There is no excuse – you can't say you didn't know better because PSE has turned a blind eye toward all the evidence from GENSE and others and wants to plow forward recklessly with their predetermined plan.	
					Please notify me when any Bellevue public hearing for this project is announced.	

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5				the party of records for PSE/EE application;	
				Name: Pen-ho Patrick Tien	Please see the attached Comment Response Summary and EIS.
57 57				Address: 4711 135th PL SE Bellevue, WA 98006-3034	
55		e B	- N m	Here are my comments: 1. The PSE project impacts on our property and make the whole area industrial looking. 2. I have a big concern about safety during construction around pipelines. 3. There is no insufficient proven need for this project.	
Ę		ĥ		I am writing to ask that the city NOT approve PSE's application to build Plea Energize Eastside because:	Please see the attached Comment Response Summary and EIS.
	WA 98006	1 10	7-Mar-118 2.1.13 7.4 Mar-118	<ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> </ol>	
			<u> </u>	Please notify me when any Bellevue public hearing for this project is announced.	
			<u> </u>	I am writing to ask that the city NOT approve PSE's application to build Plea Energize Eastside because:	Please see the attached Comment Response Summary and EIS.
122 1/1 Tong, Loan	13308 SE 144th Pl, Bellevue, WA 98006	ы 006	7-Mar-18 2:	<ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> </ol>	
			<u> </u>	Please notify me when any Bellevue public hearing for this project is announced.	

Line #	Multipart question?	Question/Comment Address (If Author provided)	Address (If provided)	Date Submitted	Question/Comment PSE Response	
					I am writing to ask that the city NOT approve PSE's application to build Please see the atta Energize Eastside because:	Please see the attached Comment Response Summary and EIS.
123	Ę/Ę	Turner, Ingrid	12512 SE 52nd St., Bellevue, WA 98006	13-Mar-18	<ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> </ol>	
					Please notify me when any Bellevue public hearing for this project is announced.	
					1 am writing to ask that the city NOT approve PSE's application to build Please see the atta Energize Eastside because:	Please see the attached Comment Response Summary and EIS.
			4639 133rd		<ol> <li>It is unnecessary and wasteful of ratepayer funds. PSE has not provided evidence that we actually need this big increase in energy capacity. Demand has been relatively stable despite increases in population and jobs.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> </ol>	
124	1/1	Weir, Kristina H.	Ave SE, Bellevue WA 98006	15-Mar-18	3. It damages communities and the environment by removing thousands of valuable urban trees. Also PSE relies on fossil based fuels for 60% of its energy production which adds to GHG's.4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. PSE has admitted it project will not increase reliability.	
					Please notify me when any Bellevue public hearing for this project is announced.	
					I am writing to ask that the city NOT approve PSE's application to build Please see the atta Energize Eastside because:	Please see the attached Comment Response Summary and EIS.
125	1/1	Wilson, Jennifer	14312 SE 45th Street, Bellevue, WA 98006	6-Mar-18	<ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines, especially in such close proximity to schools, daycare facilities, and homes.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Bellevue can and should join the 21st century on this!</li> </ol>	
					Please notify me when any Bellevue public hearing for this project is announced.	

	PSE Response	s of PSE's application is compliant with state and city regulations.	Thank you for these comments, which are posted and answered elsewhere in this document.	ceri       Comments are addressed to the City. PSE is aware of the pipelines in the corridor and works with Olympic end         end       to coordinate work within the corridor. Notably, dozens of poles have been replaced in the corridor over ines         the past decade.       the past decade.         tall       the past decade.         field       th	<ul> <li>PSE is not in agreement with assumption supporting these opinions. Understanding system reliability, ndy other forms of outages (storms) and the difference between energy usage and demand are matters encompassed in the electrical business undertaken by PSE and we are confident in the work of our employees to plan for and ensure reliability at all times. At the request of the public, the City of Bellevue as a did hire a third party expert Utility System Efficiencies (USE) in system planning, who confirmed the need for the project.</li> </ul>		
	Question/Comment	See attachment: 2018-3-9 Bellevue-permit bifurcation.pdf for full details of comments to be addressed.	See attachment: Energize Eastside Permit Questions 11-18-2017.pdf *This is a shorter version of Mr. Borgmann's pdf submitted on March 10, 2018.	PSE clearly stated they care about two things: SAFETY and RELIABILITY. Keri Pravitz reiterated that to me personally during the "Open House" at the end of the meeting. However, those claims ring hollow. The existing power corridor was sublet to the Olympic Pipeline - not visa versa. The power lines were installed first, THEN the pipeline. That order of construction is important. Now PSE wants to go in and dig around aging pipelines to install new poles for a power line to carry 4X more power. This is a recipe for DISASTER. PSE has an abyxmal safety record with gas pipelines (despite their claims to the contrary). Remember the Greenwood neighborhood gresplosion. And those are PSE natural gas pipelines that they own and presumably know where they are located. PSE is not the owner of the Olympic Pipeline. PSE doesn't know the nuances of how the pipelines were installed, and how they oncente. There is more than one pipeline. And those are BIG pipelines (15" diameter and 20" diameter) with JET FUE flowing at 200 PSI. Ethenlines (15" diameter and 20" diameter) with JET FUE flowing at saked to trust PSE? How can the City take PSE's safety claims seriously? The evidence overwhelmingly outweighs PSE filmsy safety claims. Suct unos asked to trust PSE? How can the City take PSE's safety claims seriously? The evidence overwhelmingly outweighs PSE filmsy safety claims. Suct were hein attered Dyeans go, and it matters today.	PSE also spoke about RELABILITY. "We have to keep the lights on." FACT: Energize Eastside will not affect reliability. PSE's own representatives (Andy Swayne) is on record starting that fact. Energize Eastside will neither dictorase the frequency of outgees nor the duration of outges. I urge the dicty to ask PSE to quantify exactly how much reliability will be improved as a result of Energize Eastside. They City owes the public that answer. I've asked. PSE's answer: ZERO increase in reliability. Yet this project will cost ratepayers over \$1BILLION dollars over the next 40 years?! "Keeping the lights on" is a blatant scare tactic. It frightens residents. It threatens businesses by implying they will not be able to grow. It intimidates City Government by leading them to believe they won't be able to continue		
mment	Date Submitted	9-Mar-18	18-Nov-17	18-Nov-17	18-Nov-17		
to Public Col	Address (If provided)	Aramburu & Eustis, LLP 720 Third Avenue, SUITE 2000 Seattle, WA 98104	2100 120th Pl SE, Bellevue, WA 98005	2100 120th Pl SE, Bellevue, WA 98005	2100 120th PI SE, Bellevue, WA 98005		
PSE Energize Eastside - Response to Public Comment	Question/Comment Author	Aramburu, Rick	Borgmann, Russell	Borgmann, Russell	Borgmann, Russell		
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PSE Energize Eastside - Response to Public Comment

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Line Multipart # question?	Line Multipart Question/Comment Address (If Dat # question? Author provided) Submi	r Address (If provided)	Date Submitted		PSE Response Corrective Action Plans (CAPs) are operating procedures utilized by operators to help keep the lights on. CAPs are used in real-time ( <i>L.e.</i> , operations). PSE planning is based on forecasts of which could happen in the future, so the measures can be planned out and taken to avoid such events. The planning requirements are rigorous and do not allow utilities to count on temporary operational measures that may
130 LE	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	18-Nov-17	3. If we don't act soon, we will race rolling blackouts 55. Faid during they meeting that they would have to begin implementing even more complex. Correction Action Plans (CAPs) to keep the lights on. That certainly implies that PSE has already had to resort to CAPs because the situation is so dire. I urge the City to ask PSE exactly how many CAPs they have had to institute in the last 6 years? Dozen years? Please report that information publically. PSE has employed ZERO CAPs to-date. FACT: Borneville Power Administration has an automated system (installed and inuse) information publically. PSE has employed ZERO CAPs to-date. FACT: Borneville Power Administration has an automated system (installed and inuse) PSE. BPA has stated that the lights will stay on - contrary to PSE scare tactics. Borneville Power Administration has an automated system (installed and inuse) backbone ⁴ . Our region's tensmission system resembles more of a "mesh" or "network" not a single centralized line subject to damage by storms or natural disasters. And that transmission GRID has been upgraded multiple times in the past 20 years, including recent upgraded in the past 20 years, including recent upgraded the transmission system in 50 years. The backbone has no the integrated file not, they would be delinquent in their regulated duty to provide the system in 50 years. The backbone hasn't been upgraded in over 50 years' is a good sound bits, but a false argument. Since the City has the region's transmission upgrades and improvements. If they did not, they would be delinquent in their regulated duty to provide reliable electricity to its customers. "The backbone hasn't been upgraded in over 50 years" is a good sound bite, but a false argument. Since argument, fince the City has the regions the public the facts on this point. Please show a map indicating all of the transmission upgrades that PSE has made on the Eastide in the last 20 years. If you don't have the data, i am happy to supply tr. Finally, we have all se	be called on in emergencies. When PSE plans to rigorous performance citeria, then operators in real-time will have options that can keep the lights on, even if the actual real-time operations differ from the studied conditions. So law, the company cannot, and does not, wait for real-time operational problems before it decides to plan a solution.

PSE Response	(b)lic Response to #1 and #2: Please see the Air discussions in Section 4.5 of the Final Environmental Impact Statement (FEIS). Response to #3: PSE is not aware of corona-causing air pollution.	According to ion of the Y (Cornell of No oblise of the Y (Cornell of No oblise of the Project's Clasting and Grading Permit process. Proposed landscaping and re-vegetation will be done in According to ess suit in How much in that the introver of the Project's Clasting and Grading Permit process. Proposed landscaping and re-vegetation will be done in the Project's Clasting and Grading Permit process. Proposed landscaping and re-vegetation will be done in the proving to in that is in the done in the introver of the proving to the proving to the proven           of mature of mature in the introver         Intervelow           of mature of mature in the introver         Intervelow           of mature of mature in the victor and set of mature of mature         Intervelow           of mature of mature in the victor and set of mature         Intervelow           of mature of mature of mature         Intervelow           of mature is find is victor and set of mature         Intervelow	n't addressed PSE has followed the appropriate processes in developing and preparing permit application materials for ot followed Energize Eastside. The comment is noted; however, no specifics are provided regarding what parts of the ure projects design, risks and safety issues were not addressed during the EIS process and the permit application nocess. Until process.
Question/Comment	Please add these comments to the Energize Eastside Permit Public Comments. Please confirm receipt of these comments. Tree Canopy: QUALITY and QUANTITY	PSE has stated that their goal is to have MORE trees, not less, once their project is complete. However, tree canopy is not solely a question of an attributive state of the also QUALITY. According to Professor Timothy Fahey (Cornell University) a mature tree canopy (50 years) can sequester 30,000 hs of carbon dioxide per acre and emit about 22,000 hs of oxygen. According to the EIS, Energite Eastside will denude the equivalent of 327 acres. Destroying over 300 acres of mature native vegetation could result is bestroying over 300 acres of mature native vegetation could result in secalating carbon dioxide per acre and emit about 22,000 hs of oxygen. According to the EIS, Energite Eastside will denude the equivalent of 327 acres. Destroying over 300 acres of mature native vegetation could result in that? That is the equivalent of burning an additional 450,000 gallons of gasoline. With vehicles averaging approximately 25 miles/gallon, that's the equivalent of driving an additional 11 million miles, or adding approximately 900,000 vehicles averaging approximately 25 miles/gallon, that's the equivalent of driving an additional 450,000 gallons of gasoline. With vehicles averaging approximately 25 miles/gallon, that's the equivalent of driving an additional 11 million miles, or adding approximately 900,000 vehicles are for proving expectation and agreenhouse gas emissions will escalate. <u>Tree canopuls is about the QUALITY of mature vegetation.</u> It in increases greenhouse gas emissions by stripping the region of mature vegetation so less carbon emissions by stripping the region of mature vegetation so less carbon emissions are sequestered. It is they mature - requiring SFCRAL DECADES and carbon will the City of Bellevue respond to criticism about tescilar of mature vegetation so less carbon emissions by stripping the region of mature vegetation so less carbon emissions by stripping the region of mature vegetation so less carbon emissions are sequestered ariborne particles, thereby further increasing pollution in the reg	Please address how PSE can apply for permits when they haven't addressed any of the safety and risks identified by residents. They have not followed the process outlined in the states requirements for infrastructure projects and the City of Bellevue has not required them to follow the process. Until all the designs, risks, and safety issues have been addressed all permits should be denied. You can see the risks and safety items that I have submitted at an of the FIS non-exe.
Date Submitted		18-Nov-17	16-Nov-17
		2100 120th PISE, WA 98005	4538 Somerset Dr. SE Bellevue, WA 98006
Question/Comment Address (If Author provided)		Borgmann, Russell	Cox, Sean
Multipart question?			1/1
Line #		ដែ	132

Line Mul # que:	Multipart Question/Comment question? Author	t Address (If provided)	Date Submitted	Question/Comment PSE Response	
				Good morning Heidi, Questions and	Questions and comments are addressed to the City,
				My question and concern is about the Energize Eastside proposal and permit application by PSE. Specifically: commenting on the Conditional Use Permit (File # 17-120556- LB) Critical Areas Land Use Permit (File # 17-120557-LO	
Ë	1/1 Esavian, Karen and Sam	4601 135th Ave SE, Bellevue, WA 98005	15-Nov-17	During the comment periods for Phase I and Phase II of the EIS we were assured that our comments would all be included and reviewed in the FEIS. Now that we are in a 'comment period' for the EE application there is confusion as to whether the comments made by Eastside residents in Phase I and Phase II will definitely be carried over and included in the current comment period. Orust all residents who wish to be a party of record once again submit comments, names and addresses to be included in this process? (These questions were not fully addressed on the City's webpages, see below)	
				My notes are incomplete from the 11/14 meeting as to suggested comment topics. Could you outline them?	
				Thank you for your work on behalf of Bellevue residents. Plesse include an email address for submitting additional comments.	
134	1/1 Fletcher, Sarah		3-Dec-17	tricity cause ards t from? nuch of ple's tpare tks out tks out tks out tks out	The Sound Transit East Link Light Rail will obtain power from both PSE and SCL. Expected loads from the East Link project have already been accounted for in PSE's load studies.

DSD 003518

PSE Response	The FEIS states: "As discussed in the Phase 1 Draft EIS, there are no known health effects from power frequency EMF at the levels expected from the No Action Alternative or PSE's Proposed Alignment." (Section 4.8.5.1) Discrete as the provided Common Bernarie Common and Control 4.8.5.1)					
Question/Comment	Please do not allow PSE to put high voltage power lines near Tyee Middle school. As an engineer myself, I know there are always going to be safety risks by placing them next to fuel lines. There are no measure that can eliminate all safety risks.	According to the National Cancer Institute (https://www.cancer.gov/about- cancer/causes-prevention/risk/radiation/electromagnetic-fields-fact-sheet) the interpretation of the finding of increased childhood leukemia risk among children with the highest exposures (at least 0.3 µT) is unclear. Several studies have analyzed the combined data from multiple studies of power line exposure have found an increase in childhood leukemia(details are listed in the above link).	Extremely low frequency EMFs (ELF-EMFs). Sources of ELF-EMFs include power lines, electrical wiring, and electrical appliances such as shavers, hair dryers, and electric blankets.	In 2002, the international Agency for Research on Cancer (JARC), a component of the World Health Organization, appointed an expert Working Group to review all available evidence on static and extremely low frequency electric and magnetic fields (12). The Working Group classified ELF-EMFs as "possibly carcinogenic to humans," based on limited evidence from human studies in relation to childhood leukemia.	In 2015, the European Commission Scientific Committee on Emerging and Newly Identified Health Risks reviewed electromagnetic fields Exit Disclaimer in general, as well as cell phones in particular. It found that, overall, epidemiologic studies of extremely low frequency fields show an increased risk of childhood leukemia with estimated daily average exposures above 0.3 to 0.4 µT,	Until further studies can eliminate this as a risk, we should assume that this is still a high possibility. Please do not expose the children to these power lines for long periods of time!
e ited				26-Nov-17		
D Public Cor Address (If provided)						
PSE Energize Eastside - Response to Public Comment Line Multipart Question/Comment Address (If Dat # question? Author provided) Submi				1/1 Harris, Brit		
PSE En Line h				55		

Thank you for your support!

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PSE Response	Please see the attached Comment Response Summary. Additionally, PSE has reached out to – and continues to reach out to - property owners along the corridor to discuss and clarify revegetation and access plans.
Date Question/Comment Submitted	Heidi I will be at the meeting tonight. I wish to be a party of against this permit for the EE project. I have two poles in my yard at 4324-136th PI SE Bellevue, WA 9806. The proposed Permit states the new pole will be 80 feet tail with 230kwh lines. This will be an extreme danger to my home in the event of an earthquake or other natural disaster. The pole with that height will fall on my home or my neighbor Kelly Xu's home. We also have the Olympic Pipeline in close proximity to this pole. Also the only access to my driveway. No written details have been mailed to me by Energize the Eastside other than this October 19 Permit Bulletin. I have refused to meet alone with EE people. I asked to have a meeting with my neighbors on the easement and PSE/EE project people but that request was not given. Please list me as a party of record as being against this record. No permit should be issued, I believe that batteries are the answer. Thank you Katty Judkins Former Somerset Community Association President for 3 years Somerset resident since 1983 4324-136th PI SE Bellevue, WA 98006-2237
Date Submitted	14-Nov-17
	4324-136th Pi SE, Bellevue, WA 98006- 2237
Line Multipart Question/Comment Address (If # question? Author provided)	Judkins, Kathy
ine Multipart Questic # question? Author	1/1
Line #	136

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tine #	Multipart question?	Question/Comment Address (If Author provided)	Address (If provided)	Date Submitted	Question/Comment	PSE Response
ğ	5	Watter, Karen	39015 172nd Ave SE, Auburn, WA 98092	71-von-51	Heidi, Thank you again for sending us the link to documents associated with the Eastside Energize Project for the Bellevue portion. We have reviewed the available information and offer additional comments to those we have already provided: With respect to the CAR and mitigation plan (our last comment in the email With respect to the CAR and mitigation plan (our last comment in the email below), it is noted that the plan in mitigation plan force it is approved. For what mitigation is proposed, there is no consideration regarding impacts to future wood recruitment, a key riparian function. The mitigation plan should include details regarding the size, location, and species of trees to be permanently removed within 200 feet of all streams and wetlands. The mative trees that are least 4 inches in diameter and within 200 feet of streams should be placed back into the affected streams to the permanent do so include also mitigate for the permanent loss of native tree growth for trees that grow taller than 15 feet naturally and where the ROW overlaps with these 200 foot zones. Since the applicant cannot do so in the corridor, the applicant should be mitigating for this particular impact offsite. Bellevue/applicant provided written responses to all comments we have sent to date.	Thank you for the comment; we will provide these materials to the Muckleshoot Indian Tribe along with other Section 404 materials concurrent with submittal to the U.S. Army Corps of Engineers.
					Karen Walter Watersheds and Land Use Team Leader	
138	1/1	Smith, Grace	201 S. Jackson St., Seattle, WA	2-Nov-17	Attached, please find King County Wastewater Treatment Division's comments on the Notice of Application for Energize Eastside in Bellevue, WA (17-120556-LB/17-120557-LO).	No attachment was provided.
	-		98104-3855		Thank you for the opportunity to review and comment on this project.	

January 2019

	PSE Response	Questions are addressed to the
	Question/Comment	Hi Heidi, Unfortunately I was unable to attend last night's meeting on Conditional Use
mment	Date Submitted	
to Public Co.	Address (If provided)	
SE Energize Eastside - Response to Public Comment	ine Multipart Question/Comment Address (If Date Question/Comment # question? Author provided) Submitted Question/Comment	
ШS	#	

Line Multipart Question/Comment Address (If Dat # question? Author provided) Submi	Multipart question?	Question/Comment Author	tt Address (If provided)	Date Submitted	Question/Comment	PSE Response
						Questions are addressed to the City.
					Unfortunately I was unable to attend last night's meeting on Conditional Use Permit (File # 17-120556-LB) Critical Areas Land Use Permit (File # 17- 120557-LO) and ask any questions. So if you would, please get back to me on the following questions:	
139	1/1	Nolan, Joan		15-Nov-17	*Are the permit application materials final? *Will new or revised information be submitted? *For last night's presentation on PSE's Energize Eastside Permitting Overview slide 4 Process Overview the timeline does not provide dates. Can you provide these?	
					I'll look forward to hearing back from you on these items, hopefully soon. Thank you for your assistance.	
					*Mr. Lauckhart has 17 attachments with embedded comments/questions.	Many of these comments were provided during the Phase 2 DEIS comment period and were responded to in the FEIS. See Appendix K, starting on page K-141. Operationally, there are always power flows across the Northern Intertie. Typically, the power flows from north to south during the summer and south to north in the winter. However, as stated in the report prepared for Bellevue by Ubility Systems Efficiencies, Inc. (2015): "The Optional Technical Analysis examined this issue by reducing the Northern Intertie flow to zero (no transfers to Canada). Although this scenario is not actually possible due to extant treaties, it was modeled to provide data on the drivers for the EE project, to examine if regional requirements might be driving the need. The results showed that in winter 2017/18, even with the Northern Intertie adjusted to zero flow, the Talbot Hill 230/115 KV transformer #2 would still be overloaded by several contingencies (several different outage scenarios). Again, the projected overloads indicate a project need at the local level to meet reliability regulations."
140	1/1	Lauckhart, Richard	44475 Clubhouse Dr, Davis, CA 95618	11-Dec-17		Whether or not generation was turned on is specific to operational parameters and not federal planning standards. Federal planning standards are used to determine the need for the Energize Eastside project. In addition, as stated in the report prepared for Bellevue by Utility Systems Efficiencies, Inc. (2015): "Several hypothetical scenarios were studied as part of the Optional Technical Analysis (OTA). Each one showed overloads in the 2017/18 timeframe, indicating project need in order for PSE to meet federal regulatory requirements for system reliability. The OTA results showed that reducing the Eastside area growth from 2.4% to 1.5% per year in the period from wither 2013/14 to winter 2017/18 still resulted in project need. Reducing PSE's King County growth while keeping the Eastside growth the same similarly resulted in a project need. Turning on additional generation in the Puget Sound area also resulted in a project need. Therefore, area generation being turned on or off does not change the need for Energize Eastside.
						PSE disagrees with the commenter's conclusions about the continued viability of the existing system to age 100 without improvements. Electric system planning is a complex and rigorous exercise, performed by industry experts with the experience in and understanding of federally mandated system planning requirements. The need for this project has been firmly established several times by multiple independent experts, and is not the conclusion of PSE alone. It is not known what the quality of technical rigor or expert oversite are used to validate Mr. Lauckhart's findings or assumptions.

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Line #	Multipart question?	Question/Comment Author	Address (If Date provided) Submitted	Question/Comment	PSE Response
				<ol> <li>What were actual summer and winter peak demand levels for the Eastside for 2008-20177 Since peak demand is highly correlated to temperature, this 10-year date range will help us understand the growth trend, the influence of weather, and the relative magnitude of summer and</li> </ol>	<ol> <li>P5E does not track specific subsets of peak demand levels across the system. The actual normalized peak demand level that was used to assess transmission system deficiencies was exceeded during the summer of 2017; therefore, the information requested related to relative magnitude of peaks is not relevant.</li> </ol>
141	1/1	Marsh, Don	24-Aug-18	winter peaks.	<ol><li>NERC TPL standards require that firm commitments be included in the planning studies: therefore, the</li></ol>
				2) PSE assumes regional transfers of 1,500 MW in winter and 2,850 MW in summer. What portion of these transfers are firm commitments by PSE or BPA that cannot be curtailed during an N-1-1 outage emergency affecting	questions is not relevant to the application nor the project need.
				the Eastside?	
		,		I ne Lity asked the tor induity records or Eaststide demand for the summer or 2017. However, the applicant is required by LUC 20.20.255 to provide the followine:	p and c) PSE has addressed these topics in section 3.0 or the Arternatives sitting Analysis, which was submitted as part of the CUP application.
				b. Describe how the proposed electrical utility facility provides reliability to	The CUP decision criteria do not require the City to assess demand trends that may be reflected in hour by bound that may be reflected in hour by
				customers served; . Describe components of the proposed electrical utility facility that relate 	nour data, the city's expert, 0.55, has independently vermee the methodology, inputs and conclusions that support PSE's needs assessment. These assessments are not informed by howy use data. As the transformer over activity on the conservence of the conservence of the conservence of the conservence of the
				to system reliability,	required by FEAC/NEAC, FOE currently has Corrective Action Plans of CAPS in place to address such peaks. Additionally, the commenter's statements related to the Lakeside substation are incorrect. The Lakeside
				Information describing both summer and winter peaks is critical to assessing whether rustomer and system reliability is improved by the orbitat. The FFIS	substation is not being replaced as part of the Energize Eastside project.
	2			at page 1-3 states the need for	
747	5/T	Marsn, von	ST-BUA-82		
				for 2008-2011/ so decision makers can assess demand trends during the past decade.	
				The FEIS at page 1-5 says that there is "potential for load shedding (forced power outages) by summer of 2018." Data for peak loads during the summer of 2018 should be provided since the peak warm period for the summer of 2018 has now passed. Since the replacement of the Lakeside substation is also part of the project, PSE should specify the power flowing through the Lakeside substation for the periods the question. (This expands the request in our first letter.)	
				BPA publishes records of electricity transferred between the U.S. and British	Bellevue hired USE to look at the issues raised by the commenter. The USE report states: "The Optional
;	<u>}</u>		2 5 6 7		Technical Analysis examined this issue by reducing the Northern Intertie flow to zero (no transfers to Canada). Although this scenario is not actually possible due to extant treaties, it was modeled to provide data on the drivers for the EE project, to examine if regional requirements might be driving the need. The results showed that in writer 2017(18, even with the Northern Intertie adjusted to zero flow, the Talbot
£	C 77		01-90 		The zoy tab we have the projected overloaded by several contributions (several under on outage scenarios). Again, the projected overloads indicate a project need at the local level to meet reliability regulations." Additional discussion related to planning standards are provided in PSE's CUP application materials.
					PSE cannot provide operational loads for substations to the general public.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
<u>4</u>	3/3	Marsh, Don		28-Aug-18	In the 2013 Eastside Needs Assessment, PSE/Quanta assumed that most local generation plants would be offline during an N-1-1 outage emergency. PSE has since admitted that this situation is unlikely to occur. Apparently, PSE ran a second load flow study with normal levels of local generation. PSE must describe details of this second study. Exactly how much were loads on the Talbot Hill and Sammamish transformers reduced when electricity from local generators was available?	PSE's planning method and planning process has been validated by FERC, USE (Commissioned by Bellevue), and during the EIS process by Stantec. Bellevue hired USE to look at the basis of the commenters question. The USE report states: "The Optional Technical Analysis examined this issue by reducing the Northern Intertie flow to zero (no transfers to Canada). Although this scenario is not actually possible due to extant treaties, it was modeled to provide data on the drivers for the E project, to examine if regional requirements might be driving the need. The results showed that In winter 2017/18, even with the Northern Interine adjusted by Daron Jone, the Tabot Hill 230/115 kV transformer #2 would still be overloaded by several contingencies (several different outage scenarios). Again, the project do overloads indicate a project need at the local level to meet reliability regulations."
145	1/1	Dahlquist, Mary & , Maury	4944 127th Pl SE, Bellevue	6-Apr-18	How responsible are they (PSE) working with others? Who will be responsible? Will there be a response Plan in place for the worst case scenario if a gas leak, or explosion occurs?	PSE works with other utilities on a regular basis.
146	1/1	Aramburu, Rick		4-0ct-18	Northern Intertie, regional power plants, and peak load.	Mr. Aramburu's comments overlook responses provided to the City on September 21: Operationally, there are always power flows across the Northern Intertie. Typically, the power flows from north to south during the summer and south to north in the winter. This topic was addressed in the report prepared for Bellevue by Utility Systems Efficiencies, inc. (USE) (2015): "The Optional Technical Analysis examined this issue by reducing the Northern Intertie flow to zero (no transfers to Garada). Althueth this scenario is not actually possible due to extant treaties, it was modeled to provide data on the drivers for the EE project, to examine if regional requirements might be driving the need. The results showed that in winter 2017/18, even with the Northern Intertie adjusted to zero flow, the Talbot Hill 230/115 kV transformer #2 would still be overloaded by several contingencies (several different outage scenario). Again, the projected overloaded by several contingencies (several different outage scenario). Again the projected overloaded by several contingencies (several different outage scenario). Again the projected overloaded by several contingencies (several different outage scenario). Again the projected overloaded by several contingencies (several different outage scenarios). Again the projected overloaded by several contingencies (several different outage scenarios). Again the projected overloaded by several contingencies (several different outage scenarios). Again the projected overloaded by several contingencies (several different outage scenarios). Again the projected overloaded by several contingencies (several different outage scenarios). Again the projected overloaded by several contingencies (several different outage scenarios). Again the projected overloaded by several contingencies (several different outage scenarios). Again the projected overloaded by several contingencies (several different outage scenarios). Again the projected overloaded by several contingencies (several different outage scenarios)
147	3/1	Marsh, Don		4-Oct-18	State of the electric grid	Mr. Marsh's statement that PSE has claimed that the Eastside electrical grid is on the verge of collapse is incorrect. PSE has never made such a claim. The remainder of Mr. Marsh's comments in this section are conclusory and speculative. PSE's planning methodology has been independently verified by the City's technical experts (including an analysis of Eastside-specific electricity demand) and as part of the EIS process – these demonstrate that the Energize Eastside project is needed. Additionally, the Federal Energy Regulatory Commission confirmed that PSE follows the federal transmission planning nuccess
148	2/6	Marsh, Don		4-Oct-18	Block loads	Yes, the City's consultant, USE, looked at block loads and their application in forecasting. USE stated at p. 31 of that report that "PSE applies a probability factor to the estimated loads to try to address the uncertainty of projects with later in-service dates, and all the forecasted impacts of the block loads on the forecast are only temporary bumps, and are ramped out of the forecast so that they don't affect the overall growth trend."
149	3/6	Marsh, Don		4-0ct-18	Supervisory Control and Data Acquisition	PSE collects data and monitors parameters on electrical lines, generation stations, and major substations. However, PSE does not monitor "Eastside", or any sub-area, actual load in real time (or near-real time) as part of its regular operations. PSE does monitor and track the area and system pask demand. SCADA was set up specifically for the operations of the system in order to monitor and control the system and its components to ensure operation within specific limits (e.g. voltage, Current, Frequency, VARs etc.) and not to validate planning standard requirements. The monitoring points are not conducive to gathering accurate information on sub-areas like the Eastside for planning purposes.

PSE Energize Eastside - Response to Public Comment	Question/Comment Address (If Date Autor) Author provided) Submitted Question/Comment	Seattle City Light Forecasting Seattle City Light Forecasting comment on the reasonableness of their work. Seattle City Light's forecast is not relevant to how PSE plans for its system.	A more detailed explanation of PSE's planning methodology, which has been peer reviewed by the City and FERC, can be found in the USE's Independent Technical Analysis. This report affirmed PSE's forecasting methodology used to determine the need for the project.	Multiple experts in power system engineering and transmission planning have reviewed studies and repeatedly confirmed the need for this project in the Eastside. PSE stands by these conclusions.	Mr. Marsh's assertion that individual substation load data is required to evaluate the overall need for the project is incorrect.	Integrated Resource Planning (IRP)     PSE works within the bounds of the IRP process with the WUTC and stakeholders to meet its regulatory requirements. The IRP process is not used to identify system deficiencies or to validate the need for any particular project, but rather it considers the least cost mix of energy supply. See WAC 480-100-238       Marsh, Don     4-Oct-18       Marsh, Don     Iest cost mix of energy supply resource of that responsibility, common of the resonsibility, each electric utility meet of supply resource plan.").	Marsh, Don (CENSE)       LUC 20.20.255.1 states: "At least one of the alternative sites identified by       PSE has addressed this criterion in the CUP application materials.         Marsh, Don (CENSE)       14-Nov-18       Reveloping Spring District: PSE has not identified an alternative site located in these and the average site and the areas, other utilities have demonstrated that peak demand can be mitigated using some combination of the explored. PSE must show verifiable studies of the combination of the extertion in the cuP application materials.	Marsh, Don (CENSE)     LUC 20.20.255.3.c.i states that the applicant must "Describe whether the electrical utility facility location is a consequence of needs or demands from customers located within the district or area." The proposed transmission line runs sthrough mostly residential neighborhoods in Newport Hills, Somerset, Eastgrate, Jake Hills, and Bridle Trails. PSE has not conclusively shown that the "needs or demands from customers" in these neighborhoods require an ultra-high-voltage transmission line to be instituted within yards of homes, parks, churches, and schools. PSE must demonds from customers" in these neighborhoods require an ultra-high-voltage transmission line to be installed unstrate the need by releasing records of peak demand for each substation. PSE claims that this small set of data would expose confidential customers from 20 data points, when each substation about individual customers from 20 data points, when each substation serves through and brittle require an ultra-high-voltage transmission line to be installed ustomers from 20 data points for each substation and for the past ten years (twenty data points for each substation about individual customers from 20 data points, when each substation serves through and for the past ten years (twenty data points for each substation serves through the information. It is not possible to derive information about individual customers from 20 data points, when each substation serves through the action when each substation serves through the action when each substation serves through the action when each substation about     PSE has addressed this criterion in the CUP application materials.
astside - Response to	Question/Comment Author		Marsh, Don		Marsh, Don	Marsh, Don	Marsh, Don (CENSE)	Marsh, Don (CENSE)
SE Energize E	Line Multipart # question?		150 4/6		152 5/6	153 6/6	154	155 2/5

	PSE Response	PSE has addressed this criterion in the CUP application materials.	PSE has addressed this criterion in the CUP application materials. For more information on construction and the pipeline, refer to Appendix J-1 of the Final EIS.	PSE has addressed this criterion in the CUP application materials. For an explanation of transmission versus distribution reliability, refer to Section 7.5 in USE's Independent Technical Analysis.	Comment is to the City; however, Mr. Lauckhart's comments are focused on the IRP process and PSE's ownership transfer, which are both under the purview of the WUTC not the City of Bellevue. It appears that the commenter is ignoring that the need for this project has been firmly established several times by multiple independent experts, and is not the conclusion of PSE alone. The City of Bellevue retained Utility System Efficiencies, Inc. USD to conduct an independent Technical Analysis of Energize Eastside. USE modeled scenarios in power flow cases, verified that PSE followed industry Practice in forecasting demand load, and concluded the project is needed to address growth and reliability.
	Question/Comment	LUC 20.205.2.4 describes a site selection hierarchy: "The following location selection hierarchy shall be considered during identification of the preferred site alternative: (i) nonresidential land use districts not providing transition, (ii) nonresidential Transition Areas (including the Bel-Red Office/Residential Transition (BR-ORT), and (iii) residential areas." During the site selection process conducted by PSE's Community Advisory Group, PSE never offered alternative sites in the preferred categories. No route by this code by this code by this code by this code by this code by this code by this code by this code by this code by this code by the code areas and by this code by the code by the code areas code to by this code by the code by the code areas code to by the code by the code by the code areas code to by the code by the code by the code areas code to by the code by the code by the code areas code to by the code areas code to by the code areas code code to by the code areas code to be areas areas code to be areas areas code areas code areas code areas code areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas areas a	LUC 20.20.255 D.3.d requires the applicant to "Describe how the proposed facility includes technology best suited to mitigate impacts on surrounding properties." PSE has only described using shorter poles (but more of them), different pole designs, and different colors of paint for the poles. These are, at best, cosmetic mitigations for nearby properties. Bellevue residents are concerned about safety impacts. In October, a natural gas pipeline exploded in Canada, for reasons that aren't yet understood. PSE proposes to "hand dig" the foundations of its transmission poles within feet of 50-year-old performing risk of a pipeline explosion for nearby homes and schools?	LUC 20.20.255 D.3.b-c ensures that electrical facility facility provides reliability: "b. Describe how the proposed electrical utility facility provides reliability to customers served: c. Describe components of the proposed electrical utility facility that relate to system reliability. The question of reliability to the more clearly stated in LUC 20.20.255 E.4; "The applicant shall demonstrate that the proposed electrical utility facility improves reliability to the customers served and reliability of the system as a whole, as certified by the applicant's licensed engineer." In Bellevue's 2016 Electrical Reliability Workshop, PSE representative Andy Swayne clearly stated that "Energize Eastide will not improve [reliability metrics] SAIDI and SAIF1 for any meighborhood in Bellevue or the system as a whole." Although CENSE agrees where the system is "reasonably stressed," PSE has justified the project using a high-stress scenario that is so unlikely to happen, it can't be measured using standard reliability metrics like SAIDI and SAIF1. To allow full understanding of the reliability metrics like SAIDI and SAIF1. To allow full understanding of the reliability scenario burdie's load flow study that address, PSE must provide unability scenarios the measured using standard reliability metrics like SAIDI and SAIF1. To allow full understanding of the reliability actenario Louenta's load flow study that address, PSE must provide unability accenario study that direfitied the reliability suce. We ask that our experts be allowed to perform a critical review of this important study.	IRP planning and ownership transfer proceedings
nment	Date Submitted	14-Nov-18	14-Nov-18	14-Nov-18	17-Nov-18
o Public Col	Address (If provided)				
PSE Energize Eastside - Response to Public Comment	Question/Comment Author	Marsh, Don (CENSE)	Marsh, Don (CENSE)	Marsh, Don (CENSE)	Lauckhart, Rich
Energize Ea	Multipart question?	3/5	4/5	5/5	- 171
PSEL	Line #	136	157		158

PSE Energize Eastside - Response to Public Comment

January 2019

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### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Monday, January 21, 2019 10:23 AM
То:	Bedwell, Heidi
Subject:	Response to Technical Review Letter, Part 3 Addendum
Attachments:	COB CUP Technical Review Response Letter 1-21-19 Part 3 Addendum.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

Attached is PSE's Addendum to the October 17, 2018, Response to Technical Review Letter, Part 3, that addressed a Tree Removal and Vegetation

Management plan for the Energize Eastside Project. The attached Addendum provides additional information on the approach for selection planting locations for replacement vegetation.

Let me know if you have any questions.

Brad



Puget Sound Energy P.O. Box 97034 Bellevue, WA 98009-9734

PSE.com

January 15, 2019

Heidi Bedwell, Environmental Planning Manager City of Bellevue 450 110th Avenue NE Bellevue, WA 98004

### RE: South Bellevue Segment Energize Eastside – Addendum for Response to Technical Review Letter, Part 3 Conditional Use (File# 17-120556-LB) Critical Areas Land Use Permit (File #17-120557-LO)

Dear Ms. Bedwell:

Puget Sound Energy, Inc. (PSE) provides the following information to support the October 17, 2018, Response to Technical Review Letter, Part 3, that addressed a Tree Removal and Vegetation Management plan for the Energize Eastside Project.

### **Adaptive Tree Replacement Approach - Locations**

As stated in our previous response, PSE proposes to use an Adaptive Tree Replacement approach which has been successful on similar 115 kV to 230 kV upgrade projects. An adaptive tree replacement approach is appropriate because, due to the range of underlying property interests, PSE cannot guarantee tree replacement in the utility corridors. Although PSE has easements to operate transmission lines in the corridor, the ability to require property owners to accept tree replacement or mitigation (*i.e.*, additional trees) is not provided for in the easements. Additionally, vegetation replacement is most successful on properties where the owners actually want the additional plantings.

In light of these factors and recognizing that less than half of the affected Bellevue property owners have met with PSE to discuss tree replacement options, an Adaptive Tree Replacement approach is being proposed which, as explained in detail below, sets out the range of tree replacement and mitigation strategies. The approach proposes to first maximize tree replacement and mitigation within the easements in the Energize Eastside corridor. If landowners in the corridor decline to have trees planted in their yards, PSE will then seek out replanting at alternative properties within Bellevue through the Energy Savings Tree program. PSE's proposed mitigation at the Richards Creek and Somerset substations and response from Bellevue residents to date strongly indicates that a combination of these two approaches will likely fully mitigate for any tree impacts to regulated trees. However, if additional mitigation is required, PSE will identify additional properties for planting, as explained in detail below.



Ms. Heidi Bedwell January 15, 2019 Page 2

To support the Adaptive Tree Replacement approach, PSE's preference for tree replacement is to encourage property owners to incorporate additional trees into their draft Tree Replacement and Landscape plans; however, PSE cannot require property owners to do so, nor does the City's code that regulates trees on single-family lots. While some property owners take this as an opportunity to add additional trees to their properties, others decline the offer for replacement trees. As of the end of September 2018, PSE has met with approximately 45% of the property owners who are expected to have vegetation changes along the route in Bellevue – south segment. Thus far, the number or replacement trees proposed for the 45% of the properties where landscape and tree replacement plans have been prepared is around 650 trees¹, or approximately 80% of the approximately 807 replacement trees ultimately proposed as mitigation in Bellevue (see table below). Based on these results, there is a high likelihood that all of the replacement trees will be replanted within the utility corridor.

In addition to individual properties located along the transmission line corridor, PSE proposes to plant replacement trees at two company-owned properties, which are also located along the Energize Eastside corridor. These are the Somerset substation and the proposed Richards Creek substation site, with the latter being developed as part of the project. Using these two sites reflect the City's preferred approach, which is to plant trees along the corridor. The planting plans at these two sites have been previously provided to the City² and show the installation of more than 700 trees, most of which will be native species (see attached).

While the primary focus of the tree replacement efforts will continue to be within the existing transmission line corridor, other locations may be necessary if all of the required replacement trees cannot be accommodated within the corridor. Secondary planting areas will include those areas outside of the managed right-of-way, but within PSE's easement boundaries or on other portions of those properties where trees have been removed as part of the project. However, planting in these areas will only be on those properties where the owners have provided permission. In these areas, PSE will give preference to native plantings for tree replacement, subject to agreement by the property owner.

If the number of tree plantings necessary to mitigate for Energize Eastside-related impacts cannot be met within the project corridor, then additional planting areas will need to be identified. An emphasis will be placed on finding receiving sites within 0.25 miles of the corridor, which was the defined study area used to assess scenic views and aesthetics in the EIS. PSE will identify opportunity replacement areas starting with a GIS-based analysis of:

- 1. Land use: existing land use, such as parks, trails, schools, campuses; critical area or buffer status; open space areas; existing tree cover
- 2. Ownership: PSE-owned, public, private ownerships, such as individuals or Home Owner Associations

¹ As defined by the Energize Eastside 2018 Plant Pallet previously provided to the City and is attached.

² See the Richards Creek Sub-Basin Mitigation Plan and the Somerset Substation Energize Eastside Mitigation Plan.



Ms. Heidi Bedwell January 15, 2019 Page 3

Based on the GIS-based analysis, maps/figures that depict potentially viable planting opportunities will be generated. PSE will assess the viability of the identified sites and will work with the property owners to determine if they would be interested in planting trees on their property. Upon completion of this analysis and property owner communications, the potential planting locations will be proposed to the City prior to initiation of construction.

If additional tree planting is required to meet permit condition, planting programs will be used in locations that are off corridor but within the City. PSE has been participating in the Energy Saving Trees program, which provides trees to those residents that want to add trees to their property in a manner that can help offset energy usage. While it is not guaranteed that these trees will be planted along the project corridor, they are in the City and help buffer potential tree loss due to factors such as mortality and property owner changes (*i.e.*, a new property owner removes existing trees due to landscaping preferences).

PSE began participating in the Energy Saving Trees program in 2018. During the 2018 spring event, PSE and the Arbor Days Foundation provided 551 trees to 300 Bellevue residents. During the 2018 fall event, another 163 trees were provided to Bellevue residents, for a 2018 total of 714 trees. We believe that continued use of this program is the best approach to replacing tree in Bellevue outside of the corridor, as it provides trees to property owners who want additional trees. As stated previously, emphasis will be made to provide trees to property owners within 0.25 miles of the corridor; however, if that is not successful, the program will be expanded city-wide.

The exact number of trees removed may vary slightly during construction (if for example a property owner removes a tree prior to construction) but PSE estimates, which are consistent with the numbers reported as described in the October 17, 2018 letter, Response to Technical Review Letter, Part 3, are provided in the table below.

Tree Size (dbh)	Replacement Ratio	Regulated Trees**	Replacement Trees
< 6"*	As requested by property owner	N/A	TBD
6" to ≤ 12"	1:1	230	230
> 12" to < 30"	2:1	272	544
≥ 30″	3:1	11	33
	Totals	513	807

* Note: Bellevue municipal code identifies trees with a dbh of greater than 8-inches as significant; however, to ensure that impacts associated with the Energize Eastside project are mitigated for equally in all impacted jurisdictions, PSE has used a 6-inch dbh to categorize significance.

** Note: The table includes all significant trees (*i.e.*, regulated trees greater than 6-inches), but does not include those trees in City ROW, which will be mitigated through application of the method outlined in the Council of Tree and Landscape Appraisers, 10th Edition.

Planting of all replacement trees, regardless of location, will occur within two years of project energization. The adaptive tree replacement approach provides a method to help ensure that the necessary trees will be replaced within the City and that PSE fully mitigates for trees removed during project construction.



Ms. Heidi Bedwell January 15, 2019 Page 4

Thank you for your effort in processing our application. Please let us know if additional clarification is needed.

Sincerely,

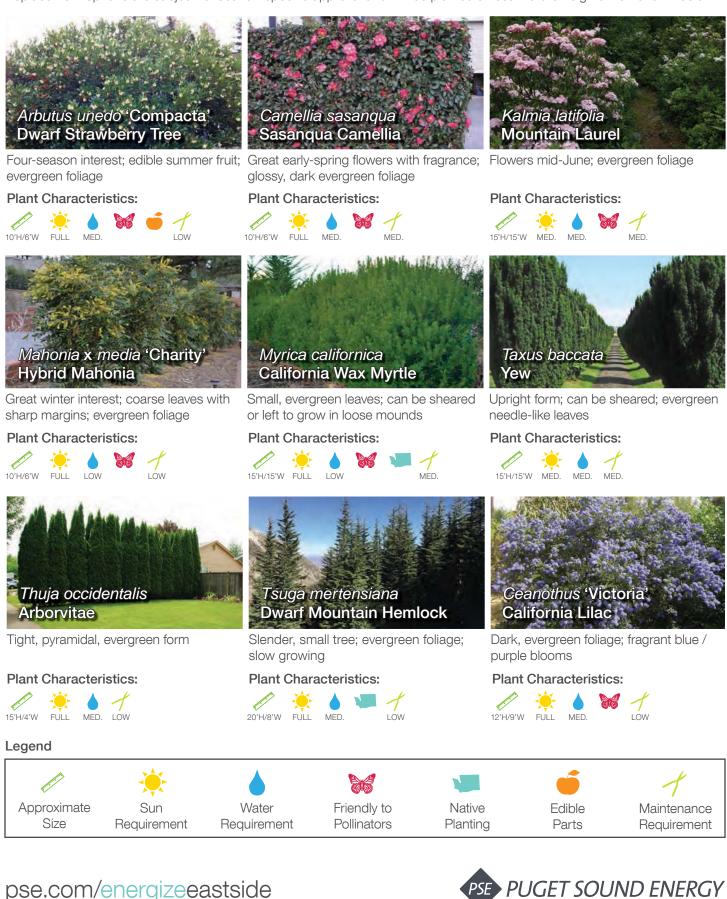
Bul Stat

Brad Strauch Senior Land Planner

Attachments

# Sample plant palette for vegetated screen

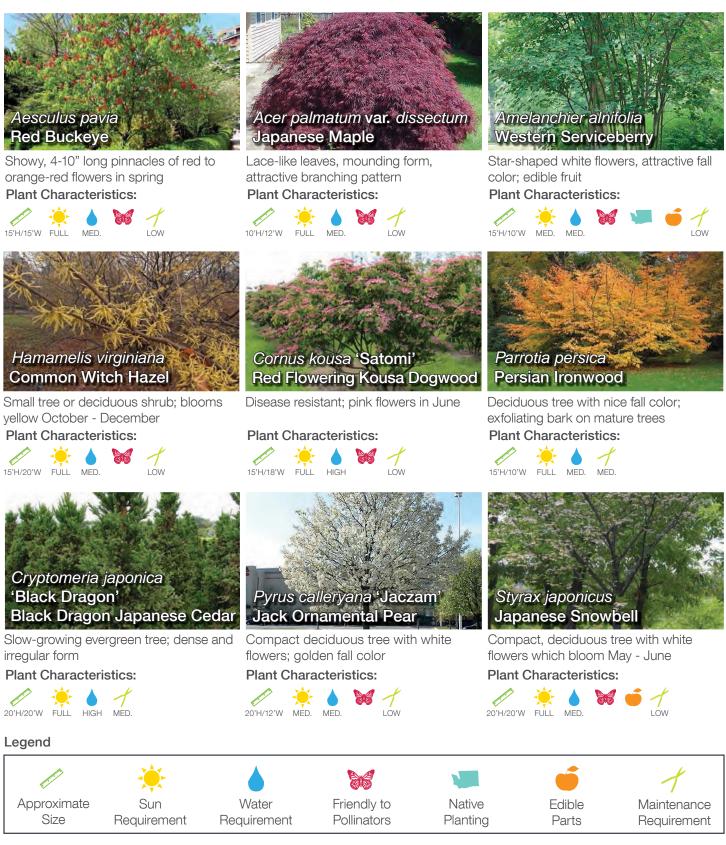
Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



pse.com/energizeeastside

# Sample plant palette for low-growing trees

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



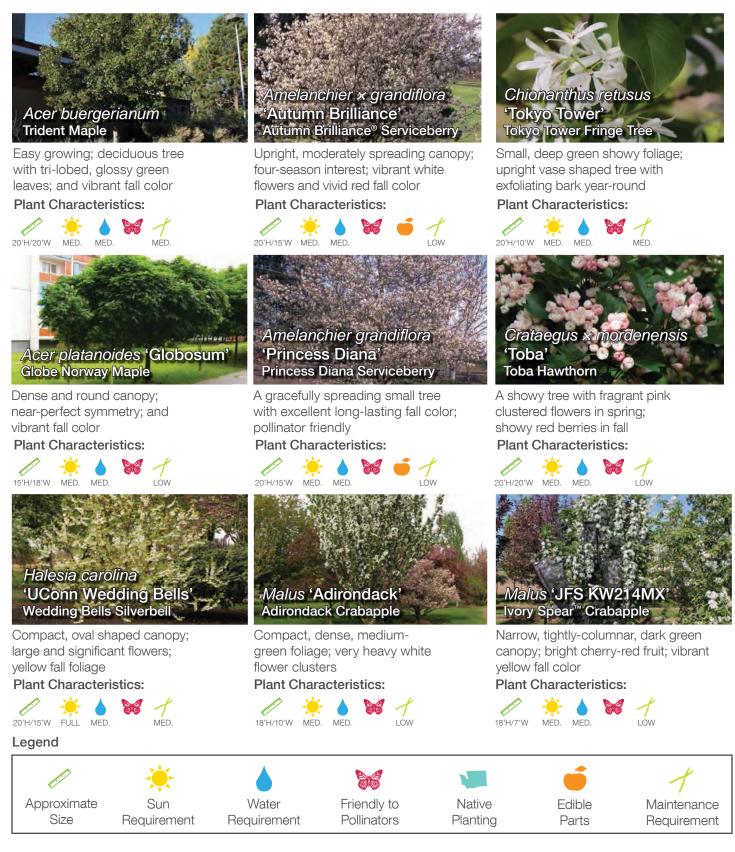
## pse.com/energizeeastside



Updated summer 2018

# Sample plant palette for low-growing trees

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



## pse.com/energizeeastside



Updated summer 2018

# Sample plant palette for low-growing trees

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



Hardy; small upright vase-shaped canopy; medium green foliage with white flower clusters

#### **Plant Characteristics:**





Delicate looking and fine textured leaves; elegant form with slender, vase-shaped limbs

### Plant Characteristics:





Narrow and columnar canopy; ascending branch structure; purple, year-round seasonal foliage interest

### Plant Characteristics:





Bright red, non-edible fruit; upright and pyramidal canopy; white flowers in spring **Plant Characteristics:** 





Rounded dense, purple foliage; light pink and fragrant flowers

### Plant Characteristics:



Legend



pse.com/energizeeastside



Small, rounded, upright spreading canopy; purple foliage; hardy with strong truck and branch form **Plant Characteristics:** 





fight, upright, compact and oval form; dark green foliage; bright yellow fall color **Plant Characteristics:** 





Large, white plumes of flowers smother the branches in early spring; round upright canopy

### Plant Characteristics:





Semi-dwarf; dense, rounded, rounded pyramid canopy; sheared appearance; green foliage

Plant Characteristics:

Native

Planting



Fdible

Parts



Updated summer 2018

6886 0818 DSD 003536

Maintenance

Requirement

# Sample plant palette for edible landscape

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



Multi-stemmed deciduous shrub; cross pollination required

### Plant Characteristics:





Deciduous shrub; spreading form; cross pollination not needed **Plant Characteristics:** 





Deciduous small tree; requires pollination; many proven varieties in PNW **Plant Characteristics:** 





Trained table apple to grow horizontally; great for small spaces **Plant Characteristics:** 





Small, nut-bearing tree with ornamental value **Plant Characteristics:** 



Deciduous dwarf tree; numerous varieties from sweet to bitter (pie cherry) **Plant Characteristics:** 





Deciduous tree; requires cross-pollination Best in acidic, well-drained soils; cross-

Plant Characteristics:





pollination recommended

Vaccinium corymbosum

Northern Highbush Blueberry



Best in rich, well-drained soils; the more sun, the sweeter the fruit

Plant Characteristics:



### Legend

Legenu						
ren -	*		86		<b></b>	+
Approximate Size	Sun Requirement	Water Requirement	Friendly to Pollinators	Native Planting	Edible Parts	Maintenance Requirement

## pse.com/energizeeastside



# Sample plant palette for pollinator landscapes



Herbaceous perennial; attracts butterflies; Herbaceous perennial; attracts birds and blooms June - September Plant Characteristics:





butterflies; blooms June - August Plant Characteristics:





Evergreen shrub; attracts bees; blooms in May; blue berries in fall Plant Characteristics:





Deciduous shrub; attracts bees; blooms June - August

**Plant Characteristics:** 





6'H/6'W



Deciduous shrub; attracts bees; blooms July - August Plant Characteristics:



Herbaceous perennial; attracts bufferflies, bees; blooms June - August Plant Characteristics:





Broadleaf deciduous; attracts bees; blooms May - June

**Plant Characteristics:** 





Herbaceous perennial; attracts butterflies; blooms September - October blooms June - July

### Plant Characteristics:





Deciduous shrub; attracts butterflies;

**Plant Characteristics:** 





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Approxima Size	ate Sun Requirement	Water Requirement	Friendly to Pollinators	Native Planting	Edible Parts	Maintenance Requirement

## pse.com/energizeeastside



Updated summer 2018

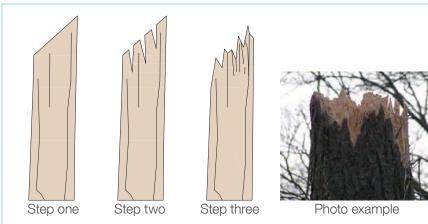
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## Sample habitat snag features



A habitat snag is an alternative where the lower portion of the tree remains. The upper portion of the tree is removed and the tree is then 5 feet to 15 feet above the ground. The coronet cut (see below) at the top of the tree can then provide habitat for birds, amphibians, bees, bats and small mammals as it decomposes in place.

### How the habitats are created



### Coronet cut notes:

- A coronet cut is a technique for producing a natural fracture effect in cut stub ends:
- 1. Cut at an angle to height as individually confirmed in the field by restoration consultant;
- 2. After slicing, cut down into the tree to create crevices at the top; and
- 3. Cut further by "bouncing" the chain saw on the top to create multiple incisions to encourage decay and colonization by insects and fungi.

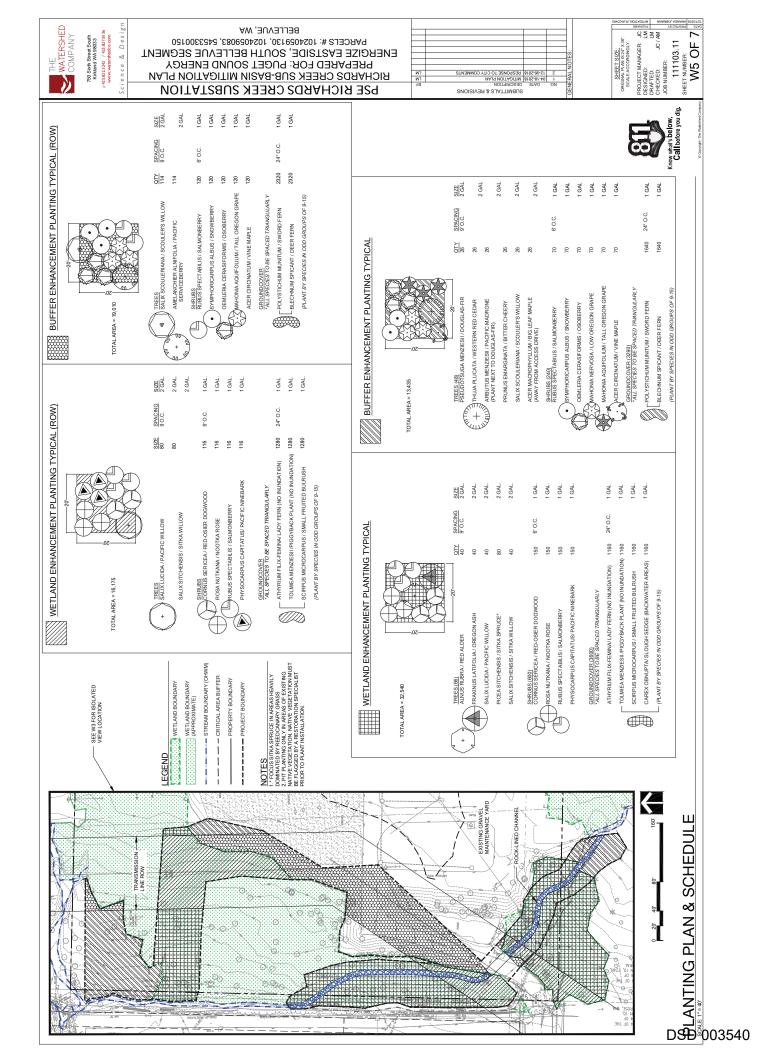
#### Chain saw / tool notes:

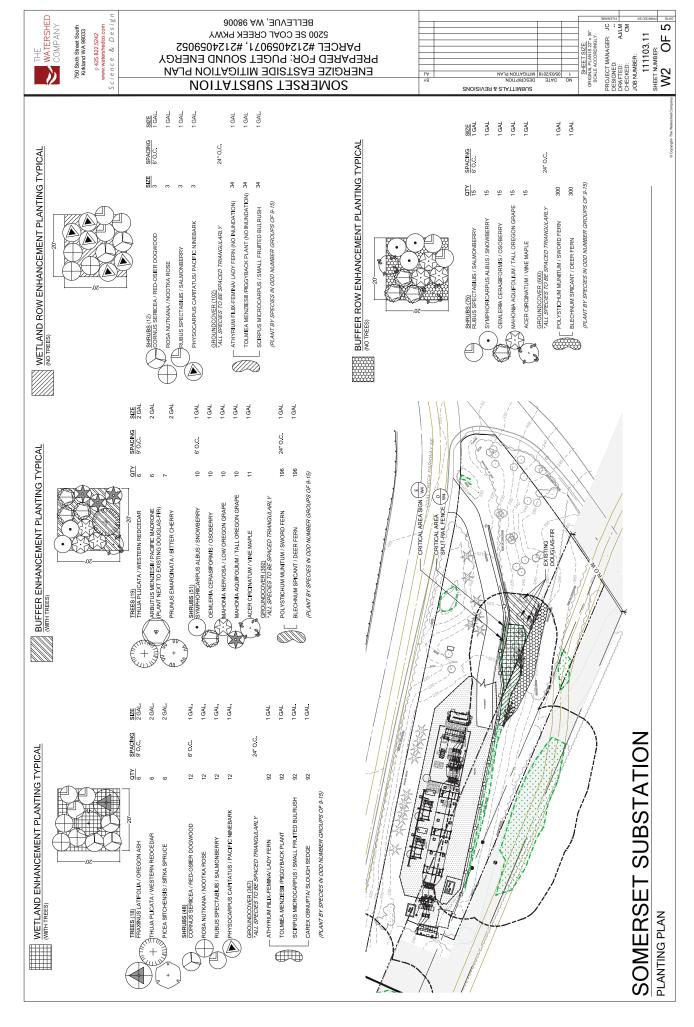
1. Use biodegradable bar and chain oil such as "motion lotion" or "Stihl."

(Brown, Timothy K. 2002. Creating and Maintaining Wildlife, Insect, and Fish Habitat Structures in Dead Wood. U.S. Forest Service Gen. Tech. Rep. PSW-GTR-181; Missouri Department of Conservation. 1994. Forest and Wildlife Benefits on Private Land, Snags and Den Trees.)

### pse.com/energizeeastside







### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Friday, January 11, 2019 4:34 PM
То:	Bedwell, Heidi
Subject:	Review Comments
Attachments:	PSE Proposed Comments on EE230 Draft Conditions Document.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

I apologize for sending the comments so late in the day. That was not my intention, but I had computer difficulties. Thank you once again for all of your hard work on this project. It is definitely appreciated.

Thanks,

Brad



Puget Sound Energy P.O. Box 97034 Bellevue, WA 98009-9734

PSE.com

January 11, 2019

Heidi Bedwell, Environmental Planning Manager City of Bellevue 450 110th Avenue NE Bellevue, WA 98004

RE: Energize Eastside Draft Conditions of Recommendation CUP 17-120556-LB

Dear Heidi,

On behalf of Puget Sound Energy, Inc. (PSE), thank you for providing us a review copy of the draft Conditions of Approval for PSE's Energize Eastside-proposed Conditional Use Permit File No. 17-120556-LB. As you know, PSE is regulated by many different federal and state governmental agencies regarding the development and operation of electrical facilities to ensure the delivery of safe, reliable power to all.

We appreciate the years of review the City of Bellevue and its partner cities have invested in this critical infrastructure project. Since 2015, Bellevue has maintained a comprehensive webpage¹ providing the public with access to project information and status, held multiple public meetings, published and posted myriad public notices and announcements, procured its own independent, third-party needs assessment, prepared a two-phased programmatic/project specific Environmental Impact Statement under Washington's State Environmental Policy Act, Ch. 43.21C RCW, conducted extensive comment periods regarding the above-referenced permit applications, and made numerous Requests for Information to PSE. We believe that the effort made by Bellevue and its partner cities reflects the importance of ensuring that the proposal is thoroughly reviewed and understood before developing recommended conditions that ensure the public's safety, health and welfare are appropriately considered as well as PSE's responsibility to provide safe, reliable power to all customers.

With the foregoing in mind, we have endeavored to carefully review each draft Condition of Approval since we received them on Monday of this week. Our goal is to ensure that each recommendation is functionally achievable for construction and operation, will mitigate potentially significant environmental impacts to a level that is less than significant wherever feasible, and is compliant with all applicable laws and regulations.

In the attached document, PSE provides you with explanatory comments, questions and insights. Where edits are suggested, they are shown using Track Changes. Generally, you will see that we recommend adding language to capture the broad range of applicable federal and state laws and regulations that

¹ <u>https://development.bellevuewa.gov/zoning-and-land-use/public-notices-and-participation/energize-eastside-updates</u>



Ms. Heidi Bedwell January 11, 2019 Page 2

apply to the project, as well as plans the company has adopted (e.g., Avian Protection Plan). PSE would also like to discuss with you the various categories of Best Management Practices that PSE imposes on its contractors in furtherance of the company's top priority, which is always safety. Last, given the technical nature of design, construction and operation of high voltage transmission facilities and the care that goes into ensuring that the conditions fully capture the complexities of such a project, we will continue to review the draft you provided to identify language that merits additional consideration.

Thank you for the opportunity to provide comment on your suggested Conditions of Approval. We appreciate the ability to share our over 100 years of technical experience in electrical infrastructure development and operations, as PSE shares the City's goals for providing electricity to the citizens and businesses in a safe and reliable manner.

Sincerely,

Bul Stat

Brad Strauch Senior Land Planner

### Attachment

Cc: Dan Koch Lorna Luebbe

#### I. RECOMMENDED CONDITIONS OF APPROVAL

Staff recommends imposing the following conditions to ensure compliance with the relevant decision criteria and code requirements. If imposed by the Hearing Examiner, these conditions must be complied with on plans submitted with the construction permits in addition to all design components included in PSE's proposal.

#### Applicable Codes, Standards, and Ordinances

PSE shall comply with all applicable <u>federal state and local laws</u>, regulations and <u>standards</u>, including without limit the following:

Federal laws and regulations:

State laws and regulations:

-Bellevue City Codes, Standards, and Ordinances:

Applicable Codes, Standards, & Ordinances

**Contact Person** 

Clearing & Grading Code – BCC 23.76 Fire Code – BCC 23.11 Land Use Code – BCC Title 20 Noise Control Code – BCC 9.18 Transportation BCC 14.60 Transportation ROW BCC 11.70 & 14.30 Utilities Codes – BCC Title 24 Tom McFarlane <u>tmcfarlane@bellevuewa.gov</u> Sean Nichols <u>snichols@bellevuewa.gov</u> Heidi Bedwell <u>hbedwell@bellevuewa.gov</u> Heidi Bedwell <u>hbedwell@bellevuewa.gov</u> Fay Schafi <u>fschafi@bellevuewa.gov</u> Tim Stever <u>tstever@bellevuewa.gov</u> Art Chi <u>achi@bellevuewa.gov</u>

Adopted PSE standards, Plans and Best Management Plans:

#### A. GENERAL CONDITIONS

**Changes to Pole Location and/or Alignment:** Any changes to the pole location and/or alignment <u>beyond the variability in pole location described on EIS p. 2-12 and submitted as part of this Conditional Use shall be reviewed as a Land Use Exemption to this Conditional Use approval prior to construction.</u>

AUTHORITY: LUC 20.30B.175 REVIEWER: Heidi Bedwell, Land Use

**Conceptual Design Utilities:** Utility Department approval is based on the conceptual design only. Changes to the <u>site Project</u> layout may be required to accommodate the <u>existing utilities</u> after utility engineering is approved.

AUTHORITY: BCC Title 24.02, 24.04, 24.06 REVIEWER: Arturo Chi, <u>Utilities Department</u>

Clearing and Grading Permit Required: <u>PSE must obtain aApproval of this</u> Critical Areas Land Use Permit and clear and grade permit does not constitute an approval of any **Comment [A1]:** We would like to discuss synchronizing with submitted project plan and EIS; PSE has suggested a possible clarification consistent with the submittals and EIS.

**Comment [A2]:** Because PSE has not submitted a conceptual design for this project, we suggest referencing engineering plan review and drainage report.

**Comment [A3]:** PSE would like to discuss the scope of utilities that the City intends for this to address and the approvals referenced.

**Comment [A4]:** PSE would like to discuss which conditions apply to critical areas and which apply to non-critical areas, and the best way to distinguish. construction permit. An application for a clearing and grading permit must be submitted and approved before any construction can begin. Plans submitted as part of any <u>City-issued</u> permit application shall be consistent with the activity permitted underconditions contained in this approval.

AUTHORITY: LUC 20.30P.140; BCC 23.76.035 (Clearing & Grading Code) REVIEWER: Thomas McFarlane, P.E.; Bellevue Development Services; Clearing & Grading Section

Utility Permit and/or Utility Developer Extension Agreements: The water, sewer, and storm drainage systems shall be designed per current-City of Bellevue Utility Codes and Utility Engineering Standards in effect at the time such systems are designed. All design review, plan approval, and field inspection shall be performed under the individual permits and/or any Utility Developer Extension Agreements <u>PSE may require for the Richards</u> <u>Creek Substation</u>, depending on the extented of the work.

AUTHORITY: BCC Title 24.02, 24.04, 24.06 REVIEWER: Arturo Chi, <u>Utilities Department</u>

Sight Distance: All structures installed under terms of this proposal must meet the City's sight distance requirements.

AUTHORITY: BCC 14.60.240, 14.60.241; Transportation Design Manual (RL-1040-1, | RL-110-1, RL-120-1). REVIEWER: Fay Schafi, (425) 452-4574

## B. PRIOR TO ISSUANCE OF ANY BUILDING/ENGINEERING/CLEARING AND GRADING PERMITS

**Right-Of-Way Use Permit:** Prior to issuance of any construction or clearing and grading permit, the applicant shall <u>secure applicablesubmit application/s for required</u> right-of-way use permits from the City's Transportation Department, which may include:

- Designated truck hauling routes.
- Truck loading/unloading activities.
- Location of construction fences.
- Hours of construction and hauling.
- Requirements for leasing of right of way or pedestrian easements.
- Provisions for street sweeping, excavation and construction.
- Location of construction signing and pedestrian detour routes.
- All other construction activities as they affect the public street system.

**Comment [A5]:** Because PSE has submitted a drainage report addressing this condition and Bellevue has already reviewed it, we ask that it reference the existing plan materials.

**Comment [A7]:** We would like to discuss permit and action sequencing. Previous CUP conditions mirror the suggested language

which requires submitting for the right-of-way

Comment [A6]: Please confirm this

suggested cite edit.

use permits

DSD 003546

In addition, the applicant shall submit for review and approval a plan for providing pedestrian access <u>on public property</u> during construction of this project. <u>Pedestrian</u> A<u>a</u>ccess <u>on such public property</u> shall be provided at all times during the construction process, except when specific construction activities such as shoring, foundation work, and construction of frontage improvements, <u>or activities which otherwise pose potential safety risksprevent access</u>. General materials storage and contractor convenience are not reasons for preventing access.

The applicant shall secure sufficient off-street parking for construction workers before the issuance of a clearing and grading, building, a foundation or demolition permit.

AUTHORITY:	BCC 11.70 & 14.30
<b>REVIEWER</b> :	Tim Stever, (425) 452-4294

**Civil Engineering Plans – Transportation:** Civil engineering plans produced by a qualified, <u>licensed</u> engineer must be approved by the Transportation Department prior to issuance of the clearing and grading permit. The design of all street frontage improvements and driveway accesses must be in conformance with the requirements of the Americans with Disabilities Act, the Transportation Development Code, the provisions of the Transportation Department Design Manual, and specific requirements stated elsewhere in this document. All relevant standard drawings from the Transportation Department Design Manual shall be copied exactly into the final engineering plans. Requirements for the engineering plans include, but are not limited to:

- Traffic signs and pavement markings.
- Curb, gutter, sidewalk, and driveway approach design. The engineering plans shall be the controlling document on the design of these features; architectural and landscape plans must conform to the engineering plans as needed.
- Curb ramps and crosswalks constructed per ADA standards.
- Installation or relocation of streetlights and related equipment.
- Show the required sight distance triangles and include any sight obstructions, including those off-site. Sight distance triangles must be shown at all driveway locations and must consider all fixed objects and mature landscape vegetation. Vertical as well as horizontal line of sight must be considered when checking for sight distance.
- Landings on sloping approaches are not to exceed a 7% slope for a distance of 30 feet approaching the back edge of sidewalk. Driveway grade must be designed to prevent vehicles from bottoming out due to abrupt changes in grade.
- Driveway aprons must be constructed in accordance with Design Manual Standard Drawings SW-140-1 through SW-190-1.
- Location of fixed objects in the sidewalk or near the driveway approach.
- Trench restoration within any right of way or access easement.

**Comment [A8]:** Please clarify whether this condition is specific to the Richards Creek substation

**Comment [A9]:** Please clarify that this condition is specific to the Richards Creek substation.

**Comment [A10]:** Please clarify the city's application of the ADA to public property.

The following street and access improvements are required to be designed and shown in the civil engineering plan set:

- Provide a concrete driveway approach at SE 30th Street Per City of Bellevue's Transportation Design Manual. Driveway approach shall be a minimum of 26-feet wide. Minimum of 30-feet distance is required from the right-of-way line to the new gate location.
- No fixed objects, including fire hydrants, trees, and streetlight poles, are allowed within ten feet of a driveway edge, defined as Point A in standard drawings SW-140-1 through SW-190-1. Fixed objects are defined as anything with breakaway characteristics greater than a four-inch by four-inch wooden post.
- A street light analysis is required for SE 30th Street. Street lighting shall meet Bellevue's minimum standards<u>contained at Bellevue Code xxx.xx.xxx</u>.
- The applicant shall be required to provide appropriate clearances as provided for in the most recent National Electric Safety Code ("NESC") and any adopted PSE standards from existing overhead signal equipment for the installation of the overhead transmission lines.
- Construction of all street and access improvements must be completed prior to closing the clear and grade permit and right of way use permit for this project. A Design Justification Form must be provided to the Transportation Department for any aspect of any <u>publicly designated recreational pedestrian routes on public property</u> that are pedestrian route-adjacent to or across any street that cannot feasibly be made to comply with current ADA standards. Design Justification Forms must be provided prior to approval of the clear and grade plans for any deviations from standards that are known in advance. Forms provided in advance may need to be updated prior to project completion. For any deviations from standards that are not known in advance, Forms must be provided prior to project completion.

AUTHORITY:	BCC 14.60, Transportation Department Design Manual, and the
	Americans with Disabilities Act
REVIEWER:	Fay Schafi, (425) 452-4574

**Existing Easements:** Any utility easements contained on any sites which are affected by this development must be identified. Any negative impact that this development has on those easements must be mitigated or easements relinquished.

AUTHORITY:	BCC 14.60.100
REVIEWER:	Tim Stever (425) 452-4294

**Comment [A11]:** Please confirm that this provision accommodates for the existing fixed objects.

**Comment [A12]:** PSE suggests adding a direct reference to the source of appropriate clearance distances for clarity.

**Comment [A13]:** PSE requests the opportunity to discuss the intent and scope of this clause.

State and Federal Permit Compliance: To reduce indirect and direct water quality impacts associated with construction of the new substation and transmission lines, PSE shall comply with applicable state and federal regulatory requirements. Before any direct wetland impacts occur, PSE shall obtain the necessary state and federal authorizations. PSE shall provide the City of Bellevue copies of all required permits from the WDFW and the U.S. Army Corps of Engineers, including any requirements from the U.S. Fish and Wildlife Service and National Marine Fisheries Service prior to issuance of construction permits the pre-construction meeting from the WDFW and the U.S. Army Corps of Engineers, including any requirements from the U.S. Army Corps of Antional Marine Fisheries Service prior to a service and National Marine Fisheries from the U.S. Fish and Wildlife Service and National Marine Fisheries from the U.S. Fish and Wildlife Service and National Marine Fisheries from the U.S. Fish and Wildlife Service and National Marine Fisheries from the U.S. Fish and Wildlife Service and National Marine Fisheries from the U.S. Fish and Wildlife Service and National Marine Fisheries from the U.S. Fish and Wildlife Service and National Marine Fisheries Service.

AUTHORITY:	BCC 24.06.015, 24.06.020; LUC 20.20.255.E.2
REVIEWER:	Heidi Bedwell, Land Use

**Turbidity and pH Monitoring Required:** A turbidity and pH monitoring plan must be submitted and approved prior to issuance of the clearing and grading permit, and the plan must be implemented during site work. The plan must be developed and implemented in accordance with the Turbidity & pH Monitoring Requirements contained in the Bellevue Clearing & Grading Development Standards.

AUTHORITY:	BCC 23.76.160 (Clearing & Grading Code)
<b>REVIEWER</b> :	Thomas McFarlane, P.E.; Bellevue Development Services;
	Clearing & Grading Section

**Drainage Report Required:** Provide a preliminary drainage report for the Richards <u>Creek substation</u> that documents the storm drainage minimum requirements triggered for the site. In the report include either figure 2.2 or 2.3 from the Utilities Surface Water Engineering Standards. PSE shall document if the site qualifies as either new development or redevelopment and include a project summary. Document the amount of new, replaced and pollution generating impervious surface changes on the site. PSE shall also need to document any work within any critical area, wetlands and/or buffers in the report.

AUTHORITY: Title 24.02, 24.04, 24.06 BCC REVIEWER: Arturo Chi

Vegetation Management and Tree Replacement: Where necessary to comply with NERC FAC003-4, all trees, shrubs and plants required for restoration and mitigation, including in critical areas and critical area buffers, shall be transmission line compatible for the appropriate conductor voltage.

AUTHORITY:LUC 20.25H.220; 20.25H.230REVIEWER:Heidi Bedwell, Land Use

**Comment [A14]:** PSE would like to further discuss the timing and sequence of these requirements considering the practices and frequent requests of the agencies involved and the traditional order of permit procurement, NAP issuance and engaging contractors.

**Comment [A15]:** Please clarify that pH monitoring only applies where concrete work is undertaken. Please clarify that NPDES permit conditions control to the extent there is a conflict. We would like to discuss the SWPPP.

**Comment [A16]:** Please reference the existing drainage report as the basis for PSE's compliance with this condition.

**Comment [A17]:** Please clarify that this applies to the Richards Creek substation.

**Final Wetland Enhancement Plan:** PSE shall submit a <u>Final the Attachment I (Critical Areas Report) as the Final Wetland Enhancement Plan with the clear and grade permit application as part of the required construction permits. The Plan shall be consistent with the plans submitted as part of this application in Attachment I (Critical Areas Report). All plant species, size, and spacing shall be consistent with the standard found in the City's Critical Areas Handbook or the Energize Eastside 2018 plant palette.</u>

AUTHORITY:LUC 20.25H.220; 20.25H.230REVIEWER:Heidi Bedwell, Land Use

**Final Stream Habitat Improvement Plan:** PSE shall submit the Attachment I (Critical Areas Report) as the a-Final Stream Habitat Improvement Plan with the clear and grade permit application as part of the required construction permits. The Plan shall be consistent with the plans submitted as part of this application in Attachment I (Critical Areas Report). ATo the extent practicable, PSE shall use native plant species. All plant species, size, and spacing shall be consistent with the standard found in the City's Critical Areas Handbook or the Energize Eastside 2018 plant palette. Plan shall include Construction will be consistent with methods for fish exclusion, construction sequencing, monitoring and maintenance proposed in that report and any other conditions provided for in any required state and federal permits.

 AUTHORITY:
 LUC 20.250H.210, 20.25H.220, 20.25H.230

 REVIEWER:
 Heidi Bedwell, Land Use

Final Critical Area and Critical Area Buffer Mitigation Plan Permanent impacts and Vvegetation cConversion: PSE shall submit Attachment I (Critical Areas Report) as thea final mitigation plan for review and approval by the City of Bellevue prior to issuance of the Clearing and Grading Permit. Plan shall depict tree and other vegetation to be removed within a critical area or critical area buffer. Trees within removed from a critical area or critical area buffer shall be replaced with trees at a 3:1 ratio. Tree replacement for project impacts in critical areas and critical area buffers will occur at the Richards Creek and Somerset substations to the extent practicable. All other areas of permanent vegetation disturbance in critical areas and critical area buffers shall be replaced consistent with the replacement ratios contained in the Final Mitigation Plan (Attachment I), which provide for replacement in-of an equivalent area. Final design shall also include wildlife snags designed as recommended from the State of WA Department of Fish and Wildlife where feasible in coordination with PSE's Avian Protection Program adopted under and consistent with Avian Power Line Interaction Committee (APLIC) standards. The Final Mmitigation plan shall include BMPs and shall be developed consistent with the City's Critical Areas Handbook for species choice, plant size, and spacing or the Energize Eastside 2018 plant palette.

AUTHORITY: Part 20.30P LUC

**Comment [A18]:** Please clarify that PSE has submitted a Final Wetland Enhancement Plan and Critical Areas Report and that activities will be consistent with this plan and the Critical Areas Report.

**Comment [A19]:** We would like to discuss the palette submitted, the Bellevue Critical Areas Handbook and consistency with FAC003-4.

**Comment [A20]:** Please clarify that PSE has submitted a Final Stream Habitat Improvement Plan as part of the City's critical area review and that activities will be consistent with the already reviewed plan.

Comment [A21]: See comment 20 above.

**Comment [A22]:** We would like to discuss a glossary that defines terms where they are not already defined, such as "permanent vegetation disturbance."

Comment [A23]: See comment 20 above.

#### REVIEWER: Heidi Bedwell, Land Use

Avian Protection Program: PSE shall implement their Avian Protection Program, including methods and equipment to reduce avian collisions, electrocution, and problem nests. To reduce impacts to birds, timing of construction work shall occur outside of critical time periods for listed species, such as the nesting season.

AUTHORITY:	Part 20.30P LUC, LUC 20.20.255.G
REVIEWER:	Heidi Bedwell, Land Use

**Final Restoration Plan**-- **Temporary** <u>Vegetation Impacts</u>: PSE shall submit a final restoration plan for temporary construction impacts to vegetation on City-owned property. <u>Vegetation Aa</u>reas outside critical areas or critical area buffers shall be restored to pre-project condition to the extent agreed to by the underlying property owner. Restoration shall be with native plants where <u>acceptable to the property owner</u> and native plants are being removed.

AUTHORITY:	LUC 20.25H.220
REVIEWER:	Heidi Bedwell, Land Use

Maintenance and Monitoring Reports in Critical Areas and Critical Area Buffers: PSE shall submit the Mmitigation plans set forth in Attachment I (Critical Areas Report) shall include that provide the methods for vegetation maintenance and monitoring in critical areas and critical area buffers as part of the clear and grade permit application.— Mitigation plans_sites_are required to be maintained and monitoring reports are required to be submitted to document the plants are meeting approved performance standards. Photos from selected photo points shall be included in the monitoring reports to document the planting. Land Use inspection is required by Land Use staff_at completion of all plant installation and_tote the end of the <u>5-year</u> plant monitoring period. **Comment [A24]:** PSE would like to discuss further clarification in this language.

**Comment [A25]:** Please clarify that this provision is specific to critical areas.

**Comment [A26]:** Please connect this condition to the existing final document.

RAnnual reporting shall be submitted no later than the end of each growing season or by October December 31st, and shall include a site plan and photos from photo points established at the time of the initial Land Use inspection. Reports shall be submitted to Heidi Bedwell or the acting Environmental Planning Manager by the above listed date and can be emailed to hedwell@bellevuewa.gov_or mailed directly to:

Environmental Planning Manager Development Services Department City of Bellevue PO Box 90012 Bellevue, WA 98009-9012

AUTHORITY: Land Use Code 20.30P.140; 20.25H.220 REVIEWER: Heidi Bedwell, Land Use

Assurance Device- Critical Areas Mitigation: As part of the Clearing and Grading Permit the applicant shall submit a cost estimate <u>prepared by a qualified and licensed</u> <u>landscape architect</u> for the proposed planting materials and installation costs. An installation security <u>surety device</u> shall be provided to the City of Bellevue in the amount of 150% of the total cost. After the <u>final</u> mitigation plans <u>in Attachment I (Critical Areas</u> <u>Report</u>) have been <u>executed installed</u> the City shall retain a maintenance surety in the amount of 20% of the total cost estimate. <u>The Each</u> maintenance surety shall be <u>kept</u> by the Cityreleased to PSE within 90 days of meeting <u>until</u>-the performance objectives have been met.

AUTHORITY:	LUC 20.40.490
<b>REVIEWER:</b>	Heidi Bedwell, Land Use

**Geotechnical Review:** <u>A Washington State licensed geotechnical engineer</u> <u>The project</u> <u>geotechnical engineer</u> must review the final construction plans, including all foundation, retaining wall, shoring, cut, and fill designs. A letter from the geotechnical engineer stating that the plans conform to the recommendations in the geotechnical report and any addendums and supplements must be submitted to the clearing and grading section prior to issuance of the construction permit.

AUTHORITY:	BCC 23.76.050 (Clearing & Grading Code)
REVIEWER:	Thomas McFarlane, P.E.; Bellevue Development Services:
	Clearing & Grading Section

Seismic Design: As part of the geotechnical engineer's review set forth in the submitted geotechnical reports and responses to requests for additional information, Tto reduce the potential for impacts associated with erosion, groundshaking, fault rupture, liquefaction, and landslides, the geotechnical engineer must certify that he or **Comment [A27]:** PSE would like to discuss revising the process of providing and administering the surety devices to ensure a smooth application of this condition. she a Washington State licensed geotechnical engineer has conducted geotechnical hazard evaluations for all proposed elements (substation and transmission lines), and that all geotechnical recommendations by GeoEngineers have been incorporated into project design. Provide required certified cation and supporting documentation to the City of Bellevue as part of PSE clearing and grading permit application. The geotechnical report shall address all code requirements and the following:-

- As appropriate uUse the 2012 International Building Code (IBC) parameters for short period spectral response acceleration (SS), 1-second period spectral response acceleration (S1), and Seismic Coefficients FA and FV presented in Table 2 of the geotechnical report
- UConsistent with the licensed geotechnical engineer's recommendation, use site-specific soil input parameters for lateral load design that consider the effects of liquefaction through the application of p-multipliers for LPile parameters (LPile is a computer program used to analyze deep foundations under lateral loading).
- North of the proposed Richards Creek substation, reevaluate the lateral spreading risk to the proposed poles in this area once their final locations, accommodating for the placement variability discussed in the Final EIS transmission line overview, have been selected, to determine appropriate foundation dimensions.
- Where areas subject to liquefaction Where liquefiable deposits are present, extend foundations below the loose to medium density liquefiable deposits into underlying dense, non-liquefiable soils as recommended by a licensed geotechnical engineer.
- Reevaluate the axial capacity of the pole foundations and potential downdrag loads for poles in <u>liquefiable depositsareas subject to liquefaction</u> once <u>approximate</u> final locations are selected, and consider these in the structural design.

AUTHORITY: Part 20.30P LUC, LUC 20.20.255.G REVIEWER: Heidi Bedwell, Land Use

Drilled Shaft Installation Plan: Prior to construction PSE shall submit a detailed drilled shaft installation plan prepared by their construction contractor describing casing and drilled shaft construction methods. The submittal will include a narrative describing the contractor's understanding of the anticipated subsurface conditions, <u>underground gas pipelines</u>, the overall construction sequence, access to the pole locations, and the proposed pole foundation installation equipment. The contractor shall submit a detailed direct embedment pole installation plan describing both uncased and temporary casing methods. If drilled shafts are used where groundwater is present, the concrete for drilled shafts will be placed using the "tremie" method will be considered and evaluated by an on-site licensed geotechnical engineer (described

**Comment [A28]:** PSE would like to discuss revising this language to the best available information at the time of final design.

**Comment [A29]:** Please clarify the code provisions that apply here.

**Comment [A30]:** PSE requests further discussion to ensure the appropriate design parameters are addressed.

Comment [A31]: See comment 31 above.

in geotechnical report). The plan shall be reviewed by the Geotechnical Engineer before construction commences; the plan shall include documentation of this review, which shall be provided to the City of Bellevue.

AUTHORITY: Part 20.30P LUC, LUC 20.20.255.G REVIEWER: Heidi Bedwell, Land Use

### Final Landscape Plan Richard Creek Substation

PSE shall submit a final landscape plan as part of the required construction permitsclear and grade permit consistent with the <u>Draft Landscape Plan (Drawing D-19555 of the Richards Creek Substation Plan) for review and approval by the</u> <u>City.landscape plan submitted as part of this application (Attachment A (Project Plans))</u>. In addition to the vegetation proposed, all disturbed areas not mitigated for critical area impacts shall be planted with low growing native vegetation, including <u>native grasses</u>. Landscape plan shall include plant species, quantity, spacing and cost estimate for plant material and installation. To ensure plant establishment, the applicant shall provide a landscape assurance devicesurety that shall cover 20% of the fair market value of labor and materials for the initial landscape installation of all areas of restoration required for the substation landscaping. This assurance devicesurety will cover the landscape maintenance of the project-approved Landscape Plan for a <u>oneperiod of five (5) yearone years (LUC 20.20.520.K.2). The surety will be released</u> to PSE within 90 days following the from the date of final inspection at the end of the monitoring period.

AUTHORITY: LUC 20.20.520.K.1 & 2, 20.40.490 REVIEWER: Heidi Bedwell, Land Use

**Tree Removal Non-Critical Areas:** PSE shall submit a final Tree Replacement plan <u>consistent with PSE's Response to Technical Review Letter, Part 3 and subsequent</u> <u>Addendum</u>, as part of the required <del>construction permits</del><u>clear and grade permit</u> consistent with the Project Plans submitted as part of this application (see Attachment E to this Staff Report). The final Plan shall include [pending final information from PSE].

AUTHORITY:	LUC 20.20.255.G
REVIEWER:	Heidi Bedwell, Land Use

**Fee in Lieu:** PSE has agreed to mitigate for the loss of trees located the City right-ofway, including trees removed from critical areas in the City right-of-way, using the methods outlined in the Council of Tree and Landscape Appraisers, *Guide for Plant Appraisal*, <u>10th edition</u> and a total value of the trees will be provided to the e<u>C</u>ity of Bellevue for replanting in their right-of-way or other e<u>C</u>ity_-owned parcels. **Comment [A32]:** Revised for consistency with LUC 20.20.520.K.2 (non-critical areas).

PSE shall prepare a final tree removal plan <u>consistent with the Public Tree Removal</u> <u>Maps submitted October 17, 2018</u> depicting trees to be removed in the right-of-way including their size and species. This plan shall be submitted to the City of Bellevue for approval. The removal plan shall also include the details of the Plant Appraisal. The City will confirm the appraisal has been done according the methods outlined in the Council of Tree and Landscape Appraisers before PSE provides the fees for the total value of trees to be removed. No tree removal in City right-of-way is allowed until acceptance of the plan, appraisal, and payment to the City of Bellevue has occurred. PSE is not required to undertake additional replacement or mitigation for trees subject to this fee-in-lieu provision.

AUTHORITY:	LUC 20.20.255.G
REVIEWER:	Heidi Bedwell, Land Use

Installation Surety-Tree Replacement: As provided in the Response to Technical Review Letter, Part 3 and subsequent Addendum, PSE shall submit as part of the required Clearing and Grading permit a cost estimate in the amount of the total trees proposed for replacement. The estimate shall be replace trees based on the following replacement ratios contained in Table VI-1 of the Staff Report:

Tree Size (dbh)	Replacement Ratio
< 6″	As requested by property owner
6" to ≤ 12"	1:1
> 12" to < 30"	2:1
≥ 30″	3:1

The estimate provided by PSE as required by this condition shall be in the amount of 100% of the estimated cost of tree replacement (including materials and labor).

AUTHORITY:	LUC 20.20.255.G
<b>REVIEWER</b> :	Heidi Bedwell, Land Use

#### Pesticides, Herbicides and Fertilizers used in Critical Areas:

Prior to any use of pesticides, herbicides, and/or fertilizers associated with the proposal, the applicant must receive approval from Land Use under the required Clearing and Grading Permit. During construction and the required monitoring and maintenance period, PSE shall submit a list of pesticides, herbicides, and/or fertilizers for City approval that is consistent with the City of Bellevue's "Environmental Best Management Practices" manual. PSE shall only use pesticides, herbicides, and/or fertilizers from the City-approved list. Work involving pesticides, herbicides, and/or fertilizers shall be done in accordance with the City of Bellevue's "Environmental Best Management Practices."

**Comment [A33]:** Thank for including this. PSE would like to discuss whether use of an independent third-party certified arborist could add strength to this condition.

**Comment [A34]:** PSE asks that the City confirm the citation here, as the code provision cited does not apply to single family/private property.

**Comment [A35]:** PSE would like to discuss clarifying language to improve the method of administering. Applicant shall submit written information identifying the pesticide, herbicide and/or insecticide to be used AND written confirmation that the product used has been reviewed and approved by a consulting arborist. Work shall be done in accordance with the City of Bellevue's "Environmental Best Management Practices."

AUTHORITY:	LUC 20.25H.080
REVIEWER:	Heidi Bedwell, Land Use

**Construction Management and Access Plan for <u>Public</u> Recreation Sites: To reduce impacts to <u>public</u> recreation sites as a result of <u>during</u> project construction, PSE shall include in their Construction Access and Management and Access Plan the following:** 

- Steps to coordinate with the City of Bellevue Parks Department.
- Phasing plans to avoid <u>construction</u> activity near recreation sites including, Tyee Middle school, when they are most frequently used.
- Plans for alternative <u>public</u> access points to <u>publicly-owned</u> recreation sites and trail detours where necessary.
- Notification of local schools, or private owners (including the Somerset Recreation Club) identified in the final EIS Section 4.6.5.6 -at least 60 days in advance of workthe commencement of project construction and then again at least 2 weeks in advance of work within the recreation sites.
- Locations forInstall signs notifying users of any temporary closure of trails or recreations sites <u>at least</u> 2 weeks in advance.

The Construction Access and Management <u>and Access</u> Plan shall be submitted to the City of Bellevue prior to the issuance of construction permits.

AUTHORITY: LUC 20.20.255.G REVIEWER: Heidi Bedwell, Land Use

**Pole Finish:** To reduce aesthetic impacts to the surrounding environment and reduce contrast with the surrounding environment, PSE shall implement proposed pole finishes consistent with the recommendations found in Attachment J (Pole Finishes Report-City of Bellevue (South)).

AUTHORITY:	LUC 20.20.255.G
REVIEWER:	Heidi Bedwell, Land Use

#### Final Pipeline Interaction Assessment and Design Report

To protect nearby pipelines from interaction with the new transmission lines due to AC current density, faults caused by lightning strikes, mechanical/equipment failure, or other causes, PSE shall continue to coordinate with Olympic and include safeguards in

**Comment [A37]:** PSE requests additional discussion about this condition, applicable regulatory frameworks and PSE's role in coordinating with Olympic.

**Comment [A36]:** PSE would like to discuss identifying the affected sites consistent with the EIS and clarifying application to public recreation sites.

the project design. Final designs shall include a report detailing how the following have been addressed:

- PSE shall perform an AC Interference Study incorporating the final transmission line route, configuration, and operating parameters to confirm that current densities remain within acceptable levels, and inform provide Olympic with a copy of the reported any locations where additional measures may be needed to protect the pipelines.
- PSE shall obtain, to the best of its ability, and incorporate all of the pipeline parameters required for detailed modeling and study (i.e., locations and details of above-grade pipeline appurtenances/stations, bonds, anodes, mitigation, etc.). This will include a review of the annual test post cathodic protection survey data.
- PSE shall fully assess the safety and coating stress risks for phase-to-ground faults at transmission line structures along the entire area of co-location, including both inductive and resistive coupling.
- PSE shall assess the safety and AC corrosion risks under steady-state operating conditions on the transmission lines.
- PSE shall reassess the safe separation distance at each pole location to minimize arcing risk based on NACE SP0177-2014 and considering the findings in CEA 239T817.
- PSE shallby installing pole grounds at appropriate distances from the pipelines based on the recommendations of a licensed engineering analysis.
- PSE shall ensure that the separation distance between the pipelines and the transmission line <u>structurepole grounding system complies with the separation</u> <u>distances recommended by a licensed engineers</u>-exceeds the safe distance required to avoid electrical arcing. -by installing pole grounds at appropriate <u>distance from the pipelines based on engineering analysis</u>.
- PSE shall incorporate mitigation measures into the project design and <u>coordinate with Olympic</u> to prevent limit potentials for ground fault arcing to the pipelines in areas where the pipelines are within the modeled arcing distance of transmission line pole grounding rods. As recommended by DNV GL 2016, appropriate mitigation measures include, but are not limited to, installing arc shielding protection, consisting of zinc ribbon, copper wire, or other acceptable means extending a minimum of 25 feet past the transmission line pole grounding rods in both directions. The arc shielding protection should be designed so that it is connected to the pipelines through a single direct-current decoupler.
- PSE shall optimize conductor geometry, where a true delta configuration provides the greatest level of field cancellation. <u>To maximize the effects of the</u> <u>optimized conductor geometry</u>, <u>PSE shall operate both transmission lines at</u> <u>equivalent voltage ratings</u>. This shall be certified by an engineer licensed in the state of Washington.

**Comment [A38]:** PSE proposes including this provision in a separate bullet above.

- Provisions providing for changes to pole design and operations of the transmission line where a Washington State <u>n engineer-qualified and licensed</u> in the state of Washingtonengineer certifies that the design and operation changes meet applicable recommendations as identified in consultation with Olympic for A/C interactions.
- PSE shall design monitoring systems to monitor the AC corrosion risks along the pipelines.
- Install an<u>Use of</u> Optical Ground Wire (OPGW) <u>or equivalent</u> shield wire on the transmission line poles.

AUTHORITY:	BCC 22.02.140.B.1, 22.02.140.C
REVIEWER:	Heidi Bedwell, Land Use

Final Substation Plan: Substation Plans shall <u>comply with all local</u>, <u>state and federal</u> regulations to reduce risks of <u>substation fires</u>. include the following to reduce the risk of <u>substation fire</u>:

Install relays and circuit breakers to shut down equipment experiencing a fault or malfunction.

Install systems to conduct lightning to the ground rather than through lines or equipment. Use sulfur hexafluoride (SF6) gas for closely spaced equipment. (SF6 is a

nonflammable gas and an excellent insulator.)

AUTHORITY: LUC 20.20.255.G, 20.20.255.E.6 REVIEWER: Heidi Bedwell, Land Use

**Construction Management and Access Plan Pipeline Safety:** PSE shall develop Construction Management and Access Plan in coordination with Olympic's Damage Prevention Team that are mutually agreed upon by both parties. These plans shall outline the specific actions that PSE will take to protect the pipelines from vehicle and equipment surcharge loads, excavation, and other activities in consideration of Olympic's general construction requirements and in consultation with Olympic on the Energize Eastside project design specifically. The following general measures, at a minimum, shall be included in the construction and access plans:

- Notify-Notification to 'one-call' 811 utility locater service at least 48 hours prior to PSE or PSE-designated contractors conducting excavation work. (Olympic's line marking personnel will then mark the location of the pipelines near the construction areas. These procedures are designed to ensure that excavation will not damage any underground utilities and to decrease potential safety hazards.).
- Field <u>verify-verification of the distance between the pipelines and transmission line pole grounds in coordination with Olympic.</u>
- Addition of the pipeline location and depth to project plans and drawings, and submit to Olympic for evaluation. <u>These plans and drawings will be used in</u>

**Comment [A39]:** PSE would appreciate the opportunity to discuss the existing strict regulatory parameters of the various agencies with jurisdiction, and to capture in this condition the ability to adapt to increased and improved standards over time.

**Comment [A40]:** PSE would like to further discuss this condition.

coordination but not be submitted to the City or available as public documents unless authorized by Olympic.

- Arrange for Olympic representatives to be on-site to monitor construction activities near the pipelines.
- Install temporary fencing or other markers around the pipeline area at OPL's direction.
- Provide all necessary information for Olympic to perform pipe stress calculations for equipment crossings and surface loads (surcharge loads).
   Based on pipe stress calculations and in coordination with Olympic, provide additional cover that may include installing timber mats, steel plating, or temporary air bridging; utilize a combination of these; or avoid crossing in certain identified areas to avoid impacts on the Olympic pipelines. Ensure that mitigation to address potential surcharge load impacts is implemented in accordance with applicable requirements and recommended practices, including the following:
  - o 49 CFR 195, Transportation of Hazardous Liquid by Pipeline.
  - American Petroleum Institute Recommended Practice 1102, Steel Pipelines Crossing Railroads and Highways.
  - American Lifelines Alliance, Guidelines for the Design of Buried Steel Pipe.
- Comply with additional measures related to minimizing surcharge loads included in Olympic's most recent <u>gG</u>eneral <u>eC</u>onstruction <u>and Right of Way</u> <u>Rrequirements</u>.
- Documentation of all mitigation measures implemented, monitoring <u>conducted and identification in coordination with Olympic of</u> any additional <u>steps that may be required.</u>

<u>The Construction Management and Access Plan, omitting any sensitive and/or confidential</u> <u>information identified by Olympic</u>, shall be submitted to the City of Bellevue before construction permit issuance and a Final Plan shall be provided to the City before construction commences.

AUTHORITY: BCC 22.02.140.B.1, 22.02.140.C REVIEWER: Heidi Bedwell, Land Use

Mitigation and Monitoring Report- Olympic Pipeline Coordination: As part of the construction plan, Tto reduce pipeline safety risk during project construction, PSE will file a mitigation and monitoring report with the City of Bellevue that documents consultations with Olympic and mitigation measures to address safety-related issues. The report will include a monitoring plan that identifies how mitigation measures <u>under</u> <u>PSE's control</u> will be monitored to ensure that mitigation related to construction activities is followed. **Comment [A41]:** Please specify what document/resource these can be found in. Do you mean Olympic's right of way management requirements?

**Comment [A42]:** PSE would like to discuss redundancy in this condition and clarify timing.

PSE shall file a mitigation and monitoring report with the City demonstrating that sufficient safety factors have been incorporated into design, and documenting all consultations with Olympic, including the sharing of modeling and engineering information with Olympic<u>as appropriate</u> to assist Olympic in its monitoring and mitigation responsibilities. The report will include a plan that identifies the process for conducting additional field surveys and data collection for identifying mitigation measures following project start-up, and proposed monitoring to ensure that mitigation related to operational issues is followed.

AUTHORITY: BCC 22.02.140.B.1, 22.02.140.C REVIEWER: Heidi Bedwell, Land Use

**Pipeline Protection- Contractor Plan:** To reduce pipeline safety risk during project construction (e.g., excavation activities and surcharge loads), PSE will prepare a preliminary plandocument in detail on the Construction Management and Access Plan detailing the measures it will require of its contractor to protect the pipelines during construction. This plan will be reviewed by Olympic and identify nearby sensitive land uses, appropriately sized construction zones to protect the general public, include construction timing limits, and detail other mitigation measures that will limit the exposure of the general public to potential pipeline incidents. PSE shall coordinate with Bellevue school district to identify the most appropriate time for construction to occur near schools that will minimize exposure to construction-related impacts to students or others in the school facility.

This plan will be reviewed by City of Bellevue staff prior to issuance of the clear and grade construction permit issuance for the project.

AUTHORITY: BCC 22.02.140.B.1, 22.02.140.C REVIEWER: Heidi Bedwell, Land Use

**Coordination with other utility providers affected by proposal:** To ensure protection of other utilities during construction, PSE will coordinate with any affected utility providers, as appropriate, to determine how best to avoid or minimize any impacts. The City of Bellevue will review project designs prior to permit approval to ensure protection of other <u>public</u> utilities. PSE and its contractors will be required to develop construction sequence plans and coordinate schedules for utility work to minimize service disruptions and provide ample advance notice when service disruptions are unavoidable, consistent with utility owner policies. Relocation plans and service disruptions shall be reviewed and approved by the affected utility providers before construction begins. PSE shall develop a plan for public outreach to inform customers of potential <u>electricity</u> service outages and construction schedules. The public outreach effort will be coordinated with other utility service providers.

AUTHORITY: LUC 20.20.255.G REVIEWER: Heidi Bedwell, Land Use **Comment [A43]:** To the extent that the City has specific concerns as to monitoring, PSE has proposed additional conditions in the Construction Management and Access Plan above.

**Comment [A44]:** Please provide the cite to regulatory definition of "sensitive land use."

Comment [A45]: Duplicate; see comment 46.

Comment [A46]: See comment above.

**Comment [A47]:** This condition cannot be implemented prior to the issuance of the clear and grade permit. PSE suggests moving this condition to a subsequent section. Also please clarify that PSE's notification obligation is limited to services that PSE provides. Public Outreach Program: Consistent with PSE's current program meeting with individual property owners to discuss parcel-specific construction impacts, PSE will continue to limplement a public outreach program prior to project construction that provides detailed information about the types and locations of expected construction impacts and mitigation measures. As part of the program, a construction outreach team shall work with affected residents and business owners to minimize construction-related impacts throughout the duration of project construction, and provide a contact person an information line whom community members can contact to address specific concerns both prior to and during project construction. Community members will also be able to continue to access existing public outreach tools, including PSE's project email and website. Public outreach information and project updates shall also be available through PSE's project website and email list.

AUTHORITY:	LUC 20.20.255.G
REVIEWER:	Heidi Bedwell, Land Use

**Cultural Resources Consultation:** PSE shall develop resource-specific mitigation measures during consultation with the Washington Department of Archaeology and Historic Preservation (DAHP), affected Tribes, King County Historic Preservation Program (KCHPP), and other appropriate stakeholders if a protected archaeological resource is identified during the pre-construction archaeological survey or historic property inventory.

PSE shall apply for an archaeological excavation permit from DAHP (WAC 25-48-060) if impacts to a protected archaeological resource cannot be avoided.

PSE shall conduct a historic property inventory. Resulting forms and associated report shall be submitted to DAHP for review. PSE shall request an eligibility determination from DAHP for resources listed as eligible for listing in the National Register of Historic Places (NRHP) (i.e., the Eastside Transmission System and Somerset Neighborhood). If any are determined eligible, mitigation measures specific to those resources shall be developed during consultation with DAHP, affected Tribes, and any other appropriate stakeholders. Final determination and mitigation measures report shall be submitted to the City of Bellevue to the extent allowed under applicable regulations.

Prior to construction PSE shall conduct archaeological resource surveys for the selected route that include subsurface testing and a second pedestrian and subsurface survey to assess staging areas, laydown areas, stringing sites, and access roads once more information on these locations is available.

PSE shall prepare <u>and implement</u> an Inadvertent Discovery Plan (IDP) for the project and discuss the IDP with contractor during pre-construction meeting(s).

AUTHORITY: LUC 20.20.255.G

**Comment [A48]:** This condition cannot be implemented prior to the issuance of the clear and grade permit and we suggest it be moved to a subsequent section.

**Comment [A49]:** To enable greater accessibility to the outreach program, PSE recommends having an information line rather than a specific contact person.

**Comment [A50]:** For this condition, PSE would like to discuss coordination between this provision and other controlling laws and regulations, timing and applicability.

**Comment [A51]:** Modified to reflect applicable non-disclosure laws.

**Comment [A52]:** We would like to discuss coordinating Bellevue code with applicable law.

DSD 003561

REVIEWER: Heidi Bedwell, Land Use

#### C. DURING CONSTRUCTION

**Geotechnical Inspection:** The project geotechnical engineer <u>at the Richards Creek substation</u> and at pole locations where the installation of a foundation is required, must provide geotechnical inspection during project construction, including monitoring and testing of soil cuts and fill to characterize the substrate, subgrades for foundations and footings, and any unusual seepage, slope, or subgrade conditions.

AUTHORITY: BCC 23.76.050, 23.76.160 (Clearing & Grading Code) REVIEWER: Thomas McFarlane, P.E.; Bellevue Development Services; Clearing & Grading Section

**Rainy Season Restrictions:** No <u>unauthorized</u> clearing and grading activity may occur during the rainy season, which is defined as October 1 through April 30, without written authorization of the Development Services Department. Should approval be granted for work during the rainy season, increased erosion and sedimentation measures, representing the best available technology, must be implemented prior to beginning or resuming site work, <u>consistent with the City of Bellevue's 2017 Clearing and Grading Development Standards</u>.

AUTHORITY: BCC 23.76.093.A (Clearing & Grading Code) REVIEWER: Thomas McFarlane, P.E.; Bellevue Development Services; Clearing & Grading Section

Street and Access Improvements: All street and access improvements and other required transportation elements including street lights revisions, must be constructed by the applicant and accepted by the Transportation Department inspector. This includes improvements on SE 30th Street.

All areas disturbed (i.e., pavement, curb and gutter, landscaping, driveways, temporary access roads, etc.) by the project shall be restored after construction to its previous or an improved state per City of Bellevue ROW standards including current ADA standards as applicable.

AUTHORITY: BCC 14.60, Comprehensive Plan Policy UT-39, and the Transportation Department Design Manual. REVIEWER: Fay Schafi, (425) 452-4574

**Pavement Restoration:** A no-street-cut moratorium is in effect on SE 30th Street. Should street cuts prove unavoidable or if the street surface is damaged in the construction process, a half-street or full-street (depending on the extent of street cuts or damage) grind and overlay will be required. **Comment [A53]:** Please confirm that this is the correct citation.

**Comment [A54]:** Please clarify position and department to ensure that PSE contacts the correct City employee if staff changes occur.

The applicant will be required to restore all damaged pavement within City right-of-way caused by construction activities related to this project. Limits and extent of pavement restoration shall be as required by the Right-of-Way use permit.

AUTHORITY: BCC 14.60. 250; Design Manual Design Standard #23 REVIEWER: Tim Stever, (425) 452-4294

**Helicopter or Large Crane Use:** PSE shall identify any areas where a helicopter or large crane, which only applies to cranes larger than 220 tons, will be used to lift foundation rebar and/or poles over adjacent properties and into place, or to facilitate stringing the new transmission lines. PSE or its contractor shall provide copies of the "congested air" permit from the Federal Aviation Administration (FAA). PSE shall also coordinate with the City of Bellevue to determine where this type of construction is allowed.

AUTHORITY: Part 20.30M LUC REVIEWER: Heidi Bedwell, Land Use

**Spill Prevention, Control, and Countermeasures Plan during Construction:** To minimize the potential for spills or leaks of hazardous materials, PSE shall implement a Spill Prevention, Control, and Countermeasures Plan. BMPs in the plan include the following:

- Operating procedures to prevent spills.
- Control measures such as secondary containment to prevent spills from entering nearby surface waters.
- Countermeasures to contain, clean up, and mitigate the effects of a spill.
- Construction vehicle storage and maintenance and fueling of construction equipment will be located away from streams and wetlands.

To avoid groundwater contamination, if any pole installation sites are determined to need dewatering, PSE shall prepare and submit a dewatering plan for City approval, and monitor groundwater withdrawal during excavations.

To reduce the potential for water quality impacts from construction-related excavation and grading, PSE contractors shall monitor soils during construction activities. No refueling or staging shall be allowed within critical area buffers.

AUTHORITY:	Part 20.25H LUC, Chapter 23.76 BCC
<b>REVIEWER</b> :	Heidi Bedwell, Land Use; Thomas McFarlane, P.E.; Bellevue
	Development Services; Clearing & Grading Section

**Traffic Management:** As part of the traffic control plan under the right-of-way use permit. PSE shall ensure that vehicular access to residential and commercial properties is maintained at all times, except when restricted access is required for

**Comment [A55]:** Please clarify position and department to ensure that PSE contacts the correct City employee if staff changes occur.

**Comment [A56]:** PSE would like to discuss clarification to ensure consistency with applicable regulations.

**Comment [A57]:** We would like to discuss the relationship between the SPCC and SWPPP and condition scope.

safety while work is occurring. <u>Where appropriate, for example a</u>At major driveways, <u>split driveways, and in intersections</u>, flagger control may be needed to facilitate alternating enter and exit traffic. <u>Special treatment will be needed for developments</u> with split driveways (with one driveway serving entering traffic and one serving exiting traffic) if traffic cannot easily be shifted to the other driveway for two way operation. The contractor <u>and/or PSE construction manager</u> will be required to coordinate with property owners when driveways or alleys are affected by construction.

#### AUTHORITY: BCC 14.30 REVIEWER: Tim Stever, Transportation/Right-of-Way

Pavement Degradation: Any pAs part of the right-of-way use permit inspection process, pavement degradation in the City's right-of-way that is beyond normal wear and tear _-that results from increased <u>Project-related</u> construction truck traffic or excavation shall be fully restored upon completion of construction activities. <u>The City</u> will document any pavement degradation that it seeks to have restored. This includes, but is not limited to, restoration of streets, curbs, gutters, sidewalks, parking lots, driveways, and traffic signal induction loops where appropriate.

AUTHORITY:	BCC 14.30
REVIEWER:	Tim Stever, Transportation/Right-of-Way

**Cultural Resources Plan:** Develop mitigation measures during consultation with DAHP, affected Tribes, and other appropriate stakeholders if a protected archaeological resource is identified during construction. In accordance with RWC 27.53, an archaeological resource identified during construction is protected until DAHP determines whether it is eligible for listing in the NRHP.

Follow eutlined procedures in the Inadvertent Discovery Plan (IDP) in the event that archaeological resources are identified during construction activities. Under state law (RCW 27.53), archaeological resources identified during construction will need to be evaluated. If the resources are considered significant, any impacts on archaeological resources will require mitigation, which will likely entail archaeological investigation such as scientific excavation and analysis. For any archaeological resources found during construction, an emergency archaeological excavation permit may be issued by DAHP and is typically received within 3 business days. It is possible that archaeological monitoring will be recommended for portions of the project; this work will be conducted under an Archaeological Resources Monitoring Plan.

Vibration monitoring may be conducted at historic buildings to document that vibration does not exceed acceptable levels.

Follow procedures dictated by state law (RCW 27.44) if human skeletal remains are discovered.

**Comment [A58]:** Please clarify to identify where this provision applies and the terms used.

**Comment [A59]:** For clarity PSE would like to discuss the terms used.

**Comment [A60]:** PSE would like to discuss this condition in light of regulatory scope of agencies with jurisdiction and ensuring this condition captures the intent of the city. Obtain an excavation permit from DAHP if unmarked graves will be disturbed.

Follow the procedures identified in the IDP if any cultural resources are encountered during construction.

AUTHORITY:	LUC 20.20.255.G
<b>REVIEWER:</b>	Heidi Bedwell, Land Use

Field Verification of Utility Locations: PSE shall follow regulatory requirements to field-verify utility locations at excavation locations such as gas lines or thas permitted and/or required by Olympic Pipeline system. Field verification of the Olympic Pipeline system shall include potholing using vacuum truck excavation to avoid damage to the pipelines.

AUTHORITY:	BCC 22.02.140.B.1, 22.02.140.C
<b>REVIEWER:</b>	Heidi Bedwell, Land Use

**Pipeline Marking Prior to Construction:** PSE shall coordinate with Olympic to ensure that line marking personnel mark the entire length of <u>any-Olympic's</u> pipeline within 50 feet of any excavation or ground disturbance below original grade, and not only the location of angle points (points of intersection).

AUTHORITY:	BCC 22.02.140.B.1, 22.02.140.C
REVIEWER:	Heidi Bedwell, Land Use

**Grounding System**: Qualified licensed engineer shall verify arc distances once poles are installed and, where necessary, install ground wire or other grounding systems to ensure that all pole grounds are adequately separated from the pipelines. If grounding distances are not adequate, install additional protective measures such as grounding mats, horizontal surface ribbon, and/or deep anode wells based on a detailed mitigation study.

AUTHORITY: BCC 22.02.140.B.1, 22.02.140.C REVIEWER: Heidi Bedwell, Land Use

Olympic's General Construction Requirements: As part of Olympic's <u>most recent</u> <u>General Construction and Right of Way Requirements</u> <del>requirements</del> for all work proposed near the pipelines, PSE shall comply with applicable requirements, including the following:

No excavation or construction activity will be permitted in the vicinity of a
pipeline until appropriate communications have been made with Olympic's field
operations and its Right-of-Way Department. A formal engineering assessment
(conducted by Olympic) may be required.

**Comment [A61]:** PSE would like to discuss clarifying to ensure consistency with Olympic's requirements.

**Comment [A62]:** PSE would like to discuss clarifying to ensure the most effective safety measures are deployed and to address federal regulatory framework.

**Comment [A63]:** Please specify what document/resource these can be found in. Do you mean Olympic's right of way management requirements?

- No excavation or backfilling within the pipeline right-of-way will be permitted for any reason without a representative of Olympic on-site giving permission.
- Utility settlement monitoring points will be established on the Olympic Pipeline system where drilled shafts will be within 15 feet of a pipeline, if requested by Olympic, to monitor settlement during installation of the drilled shafts. Settlement monitoring points will be installed so that baseline readings of the settlement monitoring points may be completed prior to the contractor mobilizing to the site. Monitoring will continue during construction on a daily basis and twice a week in the 3 weeks following construction. The monitoring readings will be reviewed by the Engineer on a daily basis. If measured settlement exceeds 1 inch, or the amount specified by the utility owner, the integrity of the utility will be tested and the contractor required to repair any damage to the utilities as a result of construction.

In some instances, <u>as determined by Olympic</u>, excavation and other construction activities around <u>certain Olympic's</u> pipelines can be conducted safely only when the pipeline operating pressure has been reduced. <u>Where required by Olympic</u>, PSE must inform its designated contractors that excavation that exposes or significantly reduces the cover over a pipeline may have to be delayed until the reduced operating pressures are achieved.

Where required under the most recent General Construction and Right of Way Requirements, Use soft dig methods (e.g., hand excavation, vacuum excavation, etc.) to the depth of the pipeline whenever the pipeline(s) are within 25 feet of any proposed excavation or ground disturbance below original grade.

Coordinate with Olympic to ensure that an Olympic-<u>representative</u>employee, trained in the observation of excavation and pipeline locating, is on-site at all times during excavation and other ground-disturbing activities that occur within 100 feet of the pipelines where the pipelines are co-located with the proposed transmission lines.

Where excavations are within 10 to 20 feet of the Olympic Pipeline system, temporary casing in the upper 10 to 15 feet will be considered to reduce the risk of sloughing under the pipeline.

<u>As required by Olympic, Ssteel plates or mats will be placed over the pipelines to distribute</u> vehicle loads where construction equipment needs to cross over the pipelines.

AUTHORITY: BCC 22.02.140.B.1, 22.02.140.C REVIEWER: Heidi Bedwell, Land Use

D. FOR THE LIFE OF THE PROJECT

**Comment [A64]:** PSE requests discussion to clarify.

**Spill Prevention Control and Countermeasures Plan for Maintenance Activities:** To prevent spills or leaks of hazardous materials, paving materials, or chemicals from contaminating surface or groundwater, PSE shall implement Spill Prevention Control and Countermeasures Plans during maintenance activities (for substation, poles, the transmission line corridor, and access roads).

AUTHORITY: Part 20.25H LUC, Chapter 23.76 BCC, LUC 20.20.255.G REVIEWER: Heidi Bedwell, Land Use; Thomas McFarlane, P.E.; Bellevue Development Services; Clearing & Grading Section

Maintenance and Monitoring Program-Structural Stability: To ensure that no impacts occur as a result of geological hazards, PSE shall develop a monitoring and maintenance program that includes inspection and reporting on structural stability of the transmission lines. As part of PSE's regular inspection of the transmission lines, it shall monitor all improvements for changes in conditions such as cracking foundations, or-slumping slopes or loss of vegetation cover that could reduce the ability of the structures to resist seismic disturbances. This could include regular reporting to permitting agencies to ensure compliance. If changes that materially and adverselynegatively impact the stability of Project structures are identified during inspection and monitoring of conditions, PSE shall implement additional measures to reduce or minimize those impactsaddress those changes under the oversight of a licensed engineer based on the most recent applicable safety standards. - PSE shall monitor all improvements for changes in conditions such as cracking foundations, slumping slopes, or loss of vegetative cover. PSE shall implement inspection and maintenance programs for all improvements to ensure consistent performance and stability.

AUTHORITY: Part 20.30P LUC, 20.20.255.G REVIEWER: Heidi Bedwell, Land Use

**Telecommunication Facilities:** To the extent allowable under applicable state law governing pole attachments, reduce potential land use and visual impacts, PSE shall limit the number of telecommunications facilities installed on the 230 kV poles to the seven locations currently insta ly the same locations as they were previously. Facilities shall be required to get City approval per lled in the corridor to reduce potential land use and visual impacts. Reinstalled facilities shall be in approximately the same locations as they were previously. Facilities shall be required to get City approval per current land use regulations before reinstalling telecommunication equipment; provided, however, PSE shall not be liable for any third party's obligation or failure to obtain such City approval.

AUTHORITY: REVIEWER: LUC 20.20.255.G, 20.20.255.E.6 Heidi Bedwell, Land Use **Comment [A65]:** PSE requests discussion to clarify nomenclature, substantive content and application.

**Comment [A66]:** PSE requests additional discussion to address applicable FERC, NERC and WECC requirements.

**Comment [A67]:** Please specify which permitting agencies and which regulations frame compliance.

**Comment [A68]:** PSE requests additional discussion to address UTC regulations.

**Electromagnetic Fields:** In the event that radio frequency interference is found <u>by a radio</u> <u>operator</u>, PSE shall de-tune pole structures by installing hardware (such as arresters).

AUTHORITY: LUC 20.20.255.G, 20.20.255.E.6 REVIEWER: Heidi Bedwell, Land Use

**Pipeline Safety During Operation:** <u>To the extent that measures are capable of PSE</u> <u>implementation</u>, PSE shall work with Olympic to evaluate and implement appropriate mitigation measures to reduce electrical interference on the Olympic Pipeline system to safe levels. Install and commission the AC mitigation and monitoring systems prior to energization of the 230 kV transmission lines.

PSE shall provide <u>available relevant</u> information to Olympic as necessary <u>and</u> <u>requested by Olympic</u> for Olympic to record AC pipe-to-soil potentials and DC pipe-tosoil potentials during its annual cathodic protection survey. This will help PSE and Olympic detect any unexpected changes to the pipelines and transmission lines.

PSE shall provide Olympic with as much advance notice as practical of when outages are planned on the individual circuits, as the AC induction effects on the pipelines may be magnified when only one circuit (of the double-circuit transmission lines) is energized.

PSE shall provide Olympic with monitoring data on maximum currents under peak winter operating conditions, and provide copies to the City of Bellevue to verify that this condition has been met.

PSE shall conduct an AC Interference Study. If indicated by the study, PSE shall inform Olympic when the electrical system is expected to operate at or near winter peak loading so that Olympic can conduct testing to ensure that AC current densities do not exceed 20 amps per square meter in areas where AC current density has been predicted by the AC Interference Study (DNV GL 2016) to exceed 20 amps per square meter. PSE shall also inform Olympic when loading scenarios are expected to be at their greatest to ensure that Olympic conducts field monitoring and/or mitigation for AC potential greater than 15 volts and AC current density greater than 20 amps per square meter throughout the project corridor.

After energization, PSE shall perform a site survey to ensure that all AC interference risks have been fully mitigated under steady-state operation of the transmission line. PSE shall install additional grounding based on the results of the detailed engineering/mitigation analysis conducted by Olympic. Based on field data collected after the system is energized, PSE will develop additional pipeline safety mitigation measures. Such mitigation may include the installation of additional protective measures such as grounding mats, horizontal surface ribbon, and/or deep anode wells based on the detailed mitigation study.

**Comment [A69]:** PSE requests additional conversation about this condition.

PSE shall monitor oil insulation for evidence of arcing and gassing, and monitor substations for evidence of overloading, overheating, or malfunctions.

PSE shall submit to the City of Bellevue, upon request by the City, documentation sufficient to show compliance with the monitoring and/or mitigation requirements imposed by this condition of approval.

AUTHORITY: BCC 22.02.140.B.1, 22.02.140.C REVIEWER: Heidi Bedwell, Land Use

### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Tuesday, January 08, 2019 10:37 AM
To:	Bedwell, Heidi
Cc:	Stead, Elizabeth
Subject:	RE: Draft Conditions of Approval
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

Thank you for providing the draft conditions of review. PSE will not be able to provide comments by noon today; however, we will be able to provide comments by this Friday.

Thank you.

Brad

From: Bedwell, Heidi [mailto:HBedwell@bellevuewa.gov]
Sent: Monday, January 07, 2019 9:21 AM
To: Strauch, Bradley
Cc: Stead, Elizabeth
Subject: Draft Conditions of Approval

Brad,

Per PSE's request, please find attached the draft Conditions of Approval in Section XI of DSD's Staff Report. Note that we are still finalizing the Pipeline Safety conditions although we anticipate any further edits will be minor and consistent with the recommendations in the FEIS. All of these conditions should also be consistent with our discussions over the course of the land use process. As you are aware, DSD intends to publish the Staff Report on January 10th. Due to this upcoming publication date, please provide any comments from PSE staff on the draft Conditions of Approval by noon tomorrow.

Thank you for your continued cooperation as the City processes PSE's permits.

Heidi

**CAUTION:** This email originated from outside of the organization. Exercise extra caution when responding, opening attachments, and clicking links.

### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Monday, January 07, 2019 10:40 AM
To:	Bedwell, Heidi
Subject:	RE: Sample Plant Palette
Attachments:	0810_EE_Plant_Palette_2018_FINAL.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Please see the attached file.

Brad

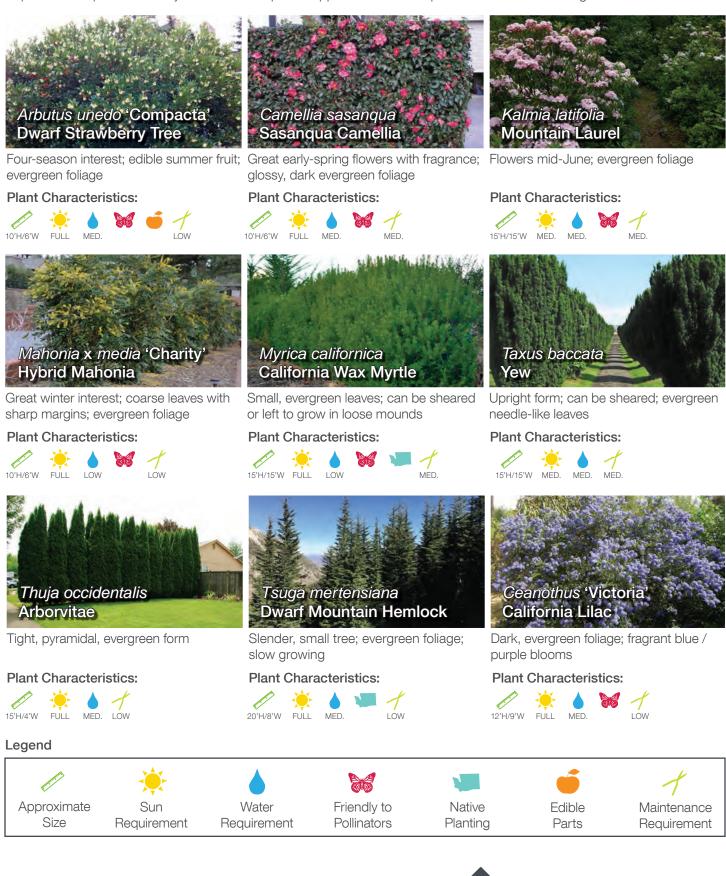
From: Bedwell, Heidi [mailto:HBedwell@bellevuewa.gov]
Sent: Monday, January 07, 2019 10:33 AM
To: Strauch, Bradley
Subject: Sample Plant Palette
Importance: High

I noticed I don't have an electronic copy of this document. You submitted it as part of your Oct submittal but it wasn't included in electronic form. Can you send so I can include in staff report?

**CAUTION:** This email originated from outside of the organization. Exercise extra caution when responding, opening attachments, and clicking links.

# Sample plant palette for vegetated screen

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



## pse.com/energizeeastside

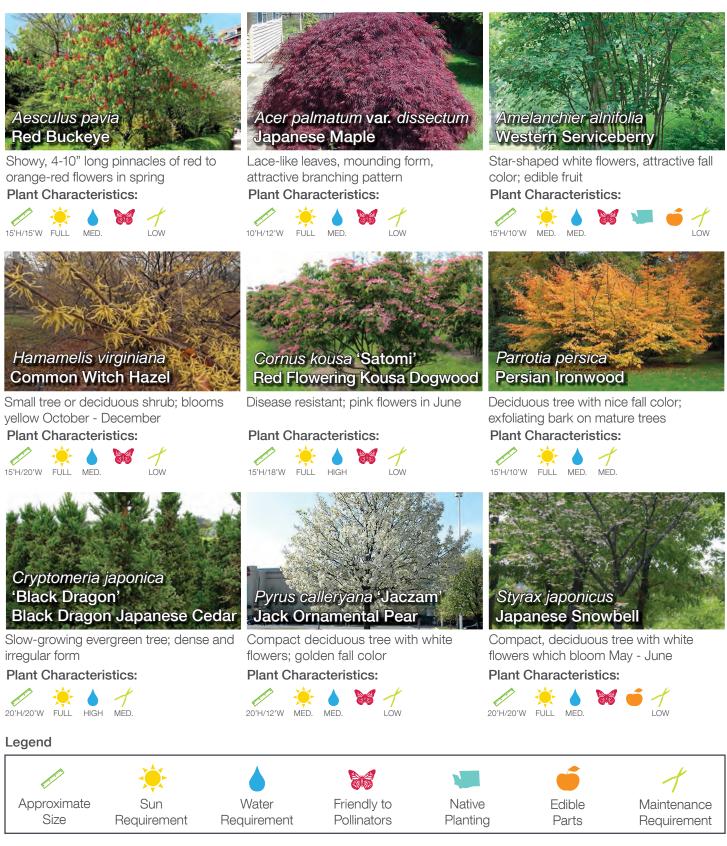


Updated summer 2018

6886 0818 DSD 003572

# Sample plant palette for low-growing trees

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



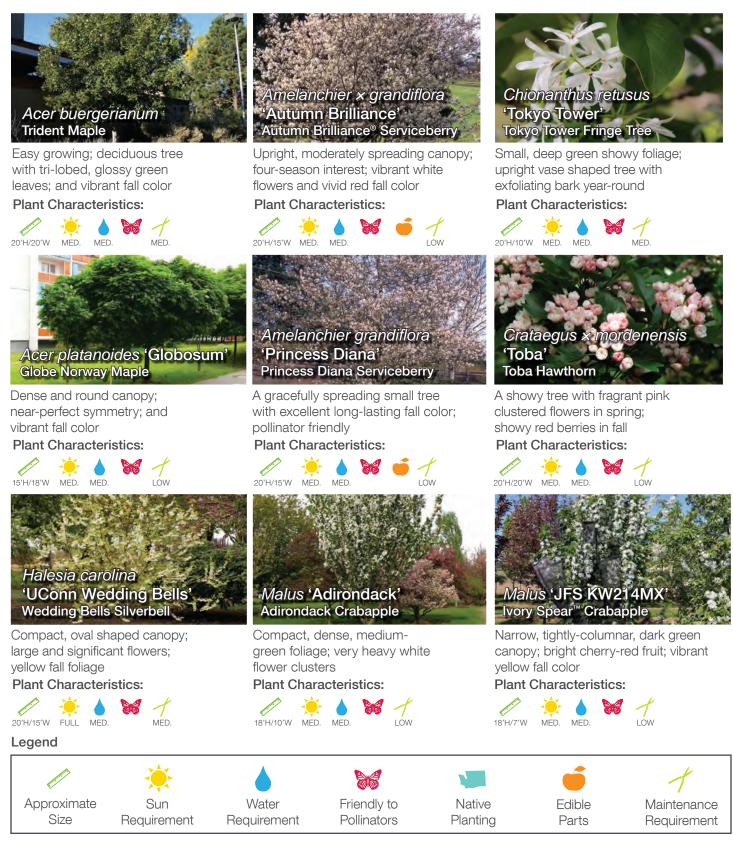
## pse.com/energizeeastside



Updated summer 2018

# Sample plant palette for low-growing trees

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



## pse.com/energizeeastside



Updated summer 2018

# Sample plant palette for low-growing trees

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



Hardy; small upright vase-shaped canopy; medium green foliage with white flower clusters

### **Plant Characteristics:**





Delicate looking and fine textured leaves; elegant form with slender, vase-shaped limbs

### Plant Characteristics:





Narrow and columnar canopy; ascending branch structure; purple, year-round seasonal foliage interest

### **Plant Characteristics:**





Bright red, non-edible fruit; upright and pyramidal canopy; white flowers in spring **Plant Characteristics:** 





Rounded dense, purple foliage; light pink and fragrant flowers

### Plant Characteristics:



Legend





Prunus 'Frankthrees Mt. St. Helens® Plum

Small, rounded, upright spreading canopy; purple foliage; hardy with strong truck and branch form Plant Characteristics:





form; dark green foliage; bright yellow fall color **Plant Characteristics:** 





Large, white plumes of flowers smother the branches in early spring; round upright canopy

### Plant Characteristics:





Semi-dwarf; dense, rounded, rounded pyramid canopy; sheared appearance; green foliage

**Plant Characteristics:** 





## pse.com/energizeeastside



# Sample plant palette for edible landscape

Replacement options are subject to location-specific approval and will be planted at less mature heights than shown below



Multi-stemmed deciduous shrub; cross pollination required

### **Plant Characteristics:**





Deciduous shrub; spreading form; cross pollination not needed Plant Characteristics:





Deciduous small tree; requires pollination; many proven varieties in PNW Plant Characteristics:





Trained table apple to grow horizontally; great for small spaces **Plant Characteristics:** 





Small, nut-bearing tree with ornamental value Plant Characteristics:



Vaccinium corymbosum

Northern Highbush Blueberry



Deciduous dwarf tree; numerous varieties from sweet to bitter (pie cherry) **Plant Characteristics:** 





Deciduous tree; requires cross-pollination Best in acidic, well-drained soils; cross-

**Plant Characteristics:** 





pollination recommended



Best in rich, well-drained soils; the more sun, the sweeter the fruit

**Plant Characteristics:** 



### I egend

	*	•				+
Approximate Size	Sun Requirement	Water Requirement	Friendly to Pollinators	Native Planting	Edible Parts	Maintenance Requirement

## pse.com/energizeeastside



Updated summer 2018

6886 0818 DSD 003576

# Sample plant palette for pollinator landscapes



Herbaceous perennial; attracts butterflies; Herbaceous perennial; attracts birds and blooms June - September Plant Characteristics:





butterflies; blooms June - August Plant Characteristics:





Evergreen shrub; attracts bees; blooms in May; blue berries in fall Plant Characteristics:





Deciduous shrub; attracts bees; blooms June - August

**Plant Characteristics:** 





6'H/6'W



Deciduous shrub; attracts bees; blooms July - August Plant Characteristics: and the second



bees; blooms June - August Plant Characteristics:





Broadleaf deciduous; attracts bees; blooms May - June

**Plant Characteristics:** 





Herbaceous perennial; attracts butterflies; blooms September - October blooms June - July

### Plant Characteristics:





Deciduous shrub; attracts butterflies;

**Plant Characteristics:** 





		•			6	+
Approxim Size	nate Sun Requirement	Water Requirement	Friendly to Pollinators	Native Planting	Edible Parts	Maintenance Requirement

## pse.com/energizeeastside



Updated summer 2018

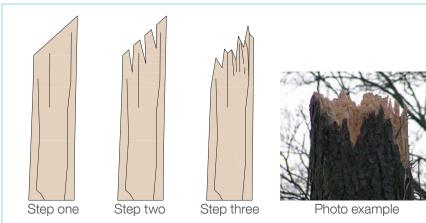
6886 0818 DSD 003577

# Sample habitat snag features



A habitat snag is an alternative where the lower portion of the tree remains. The upper portion of the tree is removed and the tree is then 5 feet to 15 feet above the ground. The coronet cut (see below) at the top of the tree can then provide habitat for birds, amphibians, bees, bats and small mammals as it decomposes in place.

### How the habitats are created



### Coronet cut notes:

A coronet cut is a technique for producing a natural fracture effect in cut stub ends:

- 1. Cut at an angle to height as individually confirmed in the field by restoration consultant;
- 2. After slicing, cut down into the tree to create crevices at the top; and
- 3. Cut further by "bouncing" the chain saw on the top to create multiple incisions to encourage decay and colonization by insects and fungi.

### Chain saw / tool notes:

1. Use biodegradable bar and chain oil such as "motion lotion" or "Stihl."

(Brown, Timothy K. 2002. Creating and Maintaining Wildlife, Insect, and Fish Habitat Structures in Dead Wood. U.S. Forest Service Gen. Tech. Rep. PSW-GTR-181; Missouri Department of Conservation. 1994. Forest and Wildlife Benefits on Private Land, Snags and Den Trees.)

### pse.com/energizeeastside



Updated summer 2018

### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Monday, December 17, 2018 8:03 AM
To:	Bedwell, Heidi
Subject:	EE230 tree breakdown
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

As requested, here is the breakdown of significant trees for the portion of Energize Eastside between Lakeside substation and the Bellevue/Newcastle border.

Richards Creek substation parcel = 108 Remainder of the corridor = 471

Let me know if you have any questions.

### Brad Strauch energize**EASTSIDE**

Infrastructure Program Manager PUGET SOUND ENERGY P.O. Box 97034, PSE-09N Bellevue, WA 98009-9734 Office: 425-456-2556 Cell: 425-214-6250

### DOCUMENT ROUTING FORM

Routed On: 12/20/2018 Prepared by: LSIEGMAN

### Folder: 17 120556 LB

### Target Date: 04/14/2018

Folder Name: PSE Energize Eastside

Site Address: 13625 SE 26th St

Folder Type: Conditional Use

Sub Type: Nonresidential

Work Proposed: Use Approval

**Description:** Upgrade to existing transmission lines from 115kV to 230kV, including pole and conductor replacement. Construction of new 23okV to 115kV substation.

Quick Review?:

Project Contact: Puget Sound Energy Brad Strauch

Phone: (425) 462-3223

Subject: Rev. 5 Intake & Route

### **Materials Routed:**

Pole finish report

Routed On: 12/20/2018

HBEDWELL Land Use



City of Bellevue Permit Processing (425) 452-4898

### **REVISIONS/ADDITIONS** SUBMITTAL FORM

		Tech InitialsRev.#
Permi	<b>t #</b> _ <u>17-120556-LB</u>	Has permit been issued? Yes □ No
Job Ac	ddress: 13600 SE 30th Street, Bellevue	
Project	t Name:PSE Energize Eastside	
Project	t Contact:_Brad Strauch	Phone:(425)_456-2556
		sē.com
Revisio	ons requested by City staff? Yes 🖄 Review	ver: H.BedwellDept_Env. Planning
_	Architectural Plan - sheet #	<u># Sets</u> Structural Calculations Structural Planshoot #
	vrchitectural Plan - sheet #	
B	Boundary/Topo Survey - sheet #	Structural Plan shoot #
	Building Elevations - sheet #	Wetland Report
B		Wetland Report
В С С	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet #	Wetland Report Electrical Plan - sheet #
В С С	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet # Environmental Checklist	<ul> <li>Wetland Report</li> <li>Electrical Plan - sheet #</li> <li>Mechanical Plan - sheet #</li> </ul>
B C C E	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet # Environmental Checklist Exterior Lighting Plan - sheet #	Wetland Report         Electrical Plan - sheet #         Mechanical Plan - sheet #         Plumbing Plan - sheet #
B C E E F	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet # Environmental Checklist Exterior Lighting Plan - sheet # Floor Plan – sheet #	Wetland Report          Wetland Report         Electrical Plan - sheet #         Mechanical Plan - sheet #         Plumbing Plan - sheet #         King County Recording
B C C E E F G	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet # Environmental Checklist Exterior Lighting Plan - sheet # Floor Plan – sheet # Geotechnical Report	Wetland Report         Electrical Plan - sheet #         Mechanical Plan - sheet #         Plumbing Plan - sheet #         King County Recording         Date Recorded:
B C C E E F C L	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet # Environmental Checklist Exterior Lighting Plan - sheet # Floor Plan – sheet # Beotechnical Report Landscape Plan – sheet #	Wetland Report         Electrical Plan - sheet #         Mechanical Plan - sheet #         Plumbing Plan - sheet #         King County Recording         Date Recorded:         Recording Number:
B C C E E F C L N	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet # Environmental Checklist Exterior Lighting Plan - sheet # Floor Plan – sheet # Geotechnical Report Landscape Plan – sheet # Aylar	Wetland Report         Electrical Plan - sheet #         Mechanical Plan - sheet #         Plumbing Plan - sheet #         King County Recording         Date Recorded:         Recording Number:         2         Other:       Explain and include # of sets.
B C C E E F C L R	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet # Environmental Checklist Exterior Lighting Plan - sheet # Floor Plan – sheet # Geotechnical Report Landscape Plan – sheet # Aylar Road Plan – sheet #	Wetland Report         Electrical Plan - sheet #         Mechanical Plan - sheet #         Plumbing Plan - sheet #         King County Recording         Date Recorded:         Recording Number:         2       Other: Explain and include # of sets.         Pole Finish Report - City of Bellevue (South)
B C E E F G L R S	Building Elevations - sheet # C & G Temporary Erosion Control Civil Plan - sheet # Environmental Checklist Exterior Lighting Plan - sheet # Floor Plan – sheet # Geotechnical Report Landscape Plan – sheet # Aylar	Wetland Report         Electrical Plan - sheet #         Mechanical Plan - sheet #         Plumbing Plan - sheet #         King County Recording         Date Recorded:         Recording Number:         2       Other: Explain and include # of sets.         Pole Finish Report - City of Bellevue (South)

### Describe the nature of the changes:

Provide supporting information related to pole finishes.

December 14, 2018

## **PUGET SOUND ENERGY**

### **Energize Eastside Project**

Pole Finishes Report-City of Bellevue (South)

**PROJECT NUMBER:** 132155

PROJECT CONTACT: Darrin Gilbert- Senior Visual Resource Specialist EMAIL: darrin.gilbert@powereng.com PHONE: 208-288-6123



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### Pole Finishes Report-City of Bellevue (South)

**PREPARED FOR:** PUGET SOUND ENERGY **PREPARED BY:** DARRIN GILBERT, SENIOR VISUAL RESOURCE SPECIALIST 208-288-6123 DARRIN.GILBERT@POWERENG.COM This page intentionally left blank.

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#### ACRONYMS AND ABBREVIATIONS

FEIS	Final Environmental Impact Statement
FHWA	Federal Highway Administration
I-90	Interstate 90
KOP	Key Observation Point
kV	kilovolt
Project	Energize Eastside Project
PSE	Puget Sound Energy
ROW	right-of-way

## 1.0 INTRODUCTION AND SUMMARY

Puget Sound Energy (PSE) proposes to upgrade approximately 16 miles of existing transmission line in the state of Washington through the cities of Redmond, Bellevue, Newcastle, and Renton. The Energize Eastside Project (Project) will consist of the rebuilding of an existing 115 kilovolt (kV) corridor to 230 kV and includes the construction of the new Richards Creek Substation, located in central Bellevue. The Project has completed the environmental review process required under the State Environmental Policy Act, concluding with the publication of the Final Environmental Impact Statement (FEIS) in March 2018 (City of Bellevue 2018). The Project is currently in the final design and permitting stage.

In support of the Project final design and permitting, POWER Engineers, Inc. has developed this report at the request of PSE to identify proposed transmission line structure ("pole") finishes to mitigate visual impacts created as a result of the Project, specifically, the visual contrast created by the presence of new structures. PSE has incorporated the results of the visual analysis contained in the FEIS, methodologies utilized by the Federal Highway Administration (FHWA), and industry accepted visual mitigation methodologies. The results of this study are preliminary recommendations to be reviewed and further developed with each jurisdiction and will be incorporated into the final design specifications. Final field review and refinement of pole finishes will occur that may further refine or change the results of this study.

Pole finish options reviewed for the project include those identified in the FEIS; each of these finishes exhibit a different color that would blend or contrast with the visual setting of the Project depending on the existing viewing conditions and surrounding features. Pole finishes (and associated colors) considered in this study include:

- Galvanized steel-dulled (light gray)
- Self-weathering steel (reddish-brown to brown, depending on age)
- Pigmented surface coating, consisting of either a powder coat or liquid application (variable, depending on setting and appropriate/available color)

The existing setting within the entire Project area includes the presence of a 115 kV H-frame, wood pole corridor consisting of two structures within an existing right-of-way (ROW). This existing transmission line heavily influences the visual character of the corridor. The Project would replace the H-frame, wood pole structures with a fewer number of either: 1) duel single-circuit steel structures, or 2) single double-circuit monopole steel structures. The existing setting within the study area is dominated by:

- Single family, moderate density residential land use settings and viewpoints that would have open, direct and generally unobstructed views of the Project against a lightly to moderately vegetated backdrop.
- Naturalistic landscape settings where recreationists or traveler views would see the Project against a forested backdrop.
- Variable residential landscape settings that allow for skylined or backdropped views against a distant, light colored landscape.
- Single family, moderate density residential settings that allows for Project views from elevated positions above the line and backdropped against distant, scenic views.
- Mixed commercial/industrial or residential/institutional landscape settings where views would be set against a dark, vegetated, and tall backdrop that also provides substantial screening.

All these settings currently contain views from nearby sensitive viewers of the existing 115 kV H-frame, wood pole corridor.

Pole finishes selected for this Study Area include dulled galvanized steel and self-weathering steel denoted along three segments (A though C). No powder coated or painted structures are proposed. Segment A is proposed to be finished with 20 self-weathering steel, and includes Structure 5/8 (TAL-RIC) to Structure 7/2 (TAL-RIC) from the 128th Avenue SE located to the Forest Hill Neighborhood Park; Segment B is proposed to be finished with 16 dulled galvanized steel, and includes Structure 7/3 (TAL-RIC) to Structure 8/2 (TAL-RIC) between 132nd Avenue SE and SE 43rd St.; and Segment C is proposed to be finished with 35 self-weathering steel, and includes Structure 8/3 (TAL-RIC) to Structure 7/5 (SAM-RIC) between SE 43rd St. and SE 26th Street.

## 2.0 METHODOLOGY

#### 2.1 Approach

How structures blend with the existing visual environment, background and setting is expressed as visual contrast. Visual contrast occurs from differences in form, line, color, or texture of vegetation, landform and structural (architectural) components of the landscape, and color is accepted as the most influential visual property of surfaces. The FHWA Guidelines for the Visual Impact Assessment of Highway Projects (FHWA 2015), the system utilized in the Project FEIS to determine the potential visual impacts of the Project, measures the loss of Visual Quality resulting from a project in terms of compatibility of, degree of, and sensitivity to, a project's impact. For the purposes of selecting pole finishes, the visual setting is primarily influenced by the existing architectural features, surrounding vegetation, landscape position of the project (e.g., ridgeline crossing), existing infrastructure, and backdrop. The visual setting determines the potential for Project visual contrast and its effect on visual quality.

The Project was segmented into five "jurisdictional" segments (Study Areas) for analysis of potential contrast and visual setting: Renton, Newcastle, South Bellevue, North Bellevue, and Redmond. The City of Bellevue is broken out into two Study Areas within the municipality: North Bellevue and South Bellevue. With the exception of North Bellevue and South Bellevue, these jurisdictional segments are located exclusively within the associated city. The Study Area detailed in this report is located within the City of Bellevue (South) as shown in Figure 1.

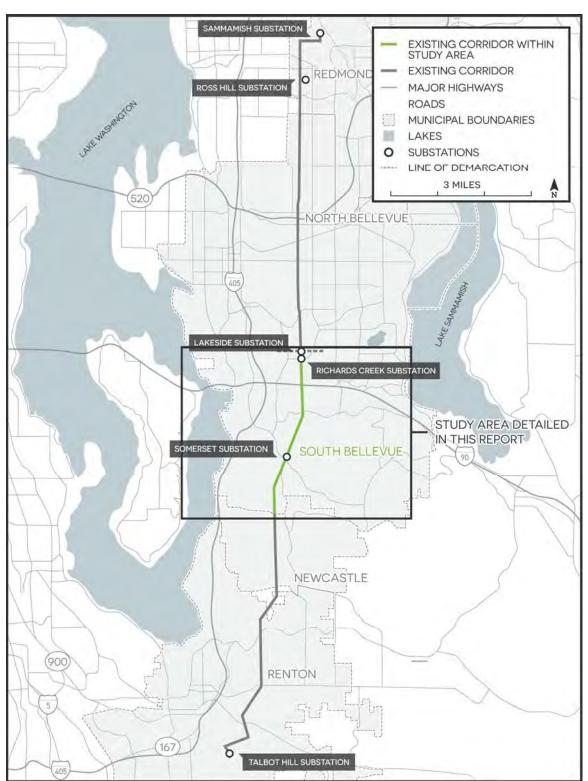
Visual resource specialists who have visited the Project area to develop photo simulations and conduct previous visual assessments participated and conducted this study. Photography taken of the Project area for these efforts, as well as secondary data sources such as Google Earth Street View, were utilized to determine pole finishes described in this study.

The following visual setting conditions were evaluated along the corridor to determine potential contrast and determine pole finish along Project segments (if applicable):

- Location of nearby sensitive viewers and visibility of the Project.
- Project position in the landscape.
- Background color.
- Color of surrounding features.
- Surrounding land use or land cover.

• Visual dominance of existing transmission line infrastructure remaining post-Project.

There may be differing visual settings along the corridor that may suggest conflicting potential pole finishes. For example, structures may be seen against a forested setting for some sensitive viewers adjacent to the Project but would also be seen against the skyline under some viewing conditions. In these cases, the dominant viewing condition affecting the greater number of viewers were assumed through a qualitative analysis. When viewed from a single viewpoint, variation in pole color, height and form can increase visual contrast and visual clutter in the corridor, potentially resulting in a higher visual impact in comparison to poles that are visually consistent. For this reason, changes in pole finish were proposed only where a different color would be beneficial for a lengthy segment of the proposed transmission line and the benefit of the different color outweighed the contrast created at the location where the color change is made. Changes in pole finish were not proposed for single poles or small groups of poles because the benefit of the color change would not outweigh the contrast created. Table 1 details the criteria used in the selection of final pole finishes.



#### FIGURE 1 STUDY AREA

Specific color selection for pigmented surface coating was considered only where the proposed color would differ substantially enough from a dulled-galvanized (light gray) or self-weathering (dark reddish brown to brown) finish to reduce visual (color) contrasts. The anticipated vendor, Trinity Meyer Utility Structures, utilizes the Carboline 8812 polyurethane powder coating system (Carboline 2018). The Carboline 8812 polyurethane powder coating system (Carboline 2018), which is available in 104 colors, was reviewed and a preliminary Color Logic color was selected and compared against the existing condition in areas where dulled galvanized or weathering steel finish selection would potentially not be sufficient to minimize color contrasts. Refer to Appendix C for the Carboline Color Logic color palette.

#### TABLE 1 POLE FINISH SELECTION CRITERIA

DOMINANT VIEWING CONDITION	FINISH
Background Color	
Project views are dominated by a backdrop of dark color or mix of colors due to presence of vegetation or development.	Weathering steel or powder coated*
Project views are dominated by a backdrop of light color or mix of colors due to absence of vegetation or development; or views of Project would occur predominantly against the sky.	Galvanized (dulled) or powder coated*
Surrounding Feature Color	
Project views are dominated by surrounding features that are a similar height or taller than the proposed structures and are darker in color.	Weathering steel or powder coated*
Project views are dominated by no surrounding features, are lighter in color, or are substantially shorter in height as the proposed structures.	Galvanized (dulled) or powder coated*
Surrounding Land Uses/Land Cover	
Natural/Naturalistic -Coniferous Dominated; No Potential Skylining; Views Primarily from Adjacent Viewers.	Weathering steel or powder coated*
Natural/Naturalistic Landscape-Grass/Shrub Dominated; Direct views.	Galvanized (dulled) or powder coated*
Natural/Naturalistic -Coniferous Dominated; Skylined Views Primarily from Distant Viewers.	Galvanized (dulled) or powder coated*
Developed-Existing Transmission Infrastructure; Project views are dominated by a backdrop of dark color or mix of colors due to presence of vegetation or development and are dominated by surrounding features that are a similar height or taller than the proposed structures and are darker in color.	Weathering steel or powder coated*
Developed-Existing Transmission Infrastructure; Project views are dominated by a backdrop of light color or mix of colors due to absence of vegetation or development; or views of Project would occur predominantly against the sky and are dominated by no surrounding features, are lighter in color, or are substantially shorter in height as the proposed structures.	Galvanized (dulled) or powder coated*
Developed-Residential-Low to Moderate Density/Low-Rise; Project views are dominated by a backdrop of dark color or mix of colors due to presence of vegetation or development and are dominated by surrounding features that are a similar height or taller than the proposed structures and are darker in color.	Weathering steel or powder coated*
Developed-Residential-Low to Moderate Density/Low-Rise; Project views are dominated by a backdrop of light color or mix of colors due to absence of vegetation or development; or views of Project would occur predominantly against the sky and are dominated by no surrounding features, are lighter in color, or are substantially shorter in height as the proposed structures.	Galvanized (dulled) or powder coated*
Developed-Residential-High Density/High Rise; Project views are dominated by a backdrop of dark color or mix of colors due to presence of vegetation or development and are dominated by surrounding features that are a similar height or taller than the proposed structures and are darker in color.	Weathering steel or powder coated*

DOMINANT VIEWING CONDITION	FINISH
Developed-Residential-High Density/High Rise; Project views are dominated by a backdrop of light color or mix of colors due to absence of vegetation or development; or views of Project would occur predominantly against the sky and are dominated by no surrounding features, are lighter in color, or are substantially shorter in height as the proposed structures.	Galvanized (dulled) or powder coated*
Developed-Commercial or Industrial; Project views are dominated by a backdrop of dark color or mix of colors due to presence of vegetation or development and are dominated by surrounding features that are a similar height or taller than the proposed structures and are darker in color.	Weathering steel or powder coated*
Developed-Commercial or Industrial; Project views are dominated by a backdrop of light color or mix of colors due to absence of vegetation or development; or views of Project would occur predominantly against the sky and are dominated by no surrounding features, are lighter in color, or are substantially shorter in height as the proposed structures.	Galvanized (dulled) or powder coated*

*See powder coating discussion below. Powder coated poles are proposed only where the proposed color would differ enough from dulled galvanized or weathering steel to substantially reduce color contrast.

### 2.2 Potential Pole Finish Options

Finishes have been specified by location to better blend with the surrounding environment using the methodology discussed above. In some areas, where there are few trees as tall as the transmission line poles (and therefore the poles would be mostly viewed against the sky), or where the background is otherwise light in color, dulled galvanized poles could have lower contrast than poles with self-weathering finish.

#### 2.2.1 Galvanized Steel

Hot-dip galvanizing is the process of coating fabricated steel by immersing it in a bath of molten zinc to create a zinc barrier that will protect the underlying base steel. Benefits of hot-dip galvanizing include corrosion protection, durability, abrasion resistance, longevity in varied environments and aesthetics. Hot-dip galvanizing is a total immersion process meaning the steel is fully submerged into cleaning solutions and the molten zinc coating all interior and exterior surfaces. This complete coverage ensures even the insides of hollow and tubular structures and the threads of fasteners are coated. As corrosion tends to occur at an increased rate on the inside of hollow structures where humidity and condensation occur, interior coverage is very beneficial. Hollow structures that are painted have no corrosion protection on the inside. Hot-dip galvanizing produces a gray finish. As the galvanized steel weathers and the zinc patina forms, the coating becomes a uniform matte gray. Galvanized steel is initially very shiny and will dull with age. However, the poles can be "dulled" to be non-reflective and contrast less with their surroundings. Dulled, galvanized steel typically results in a lower level of contrast with the sky or lighter backgrounds than darker finish options.

In harsh environments where there is a lot of moisture mixed with pollutants such as salts, the zinc can be consumed quickly leaving the steel unprotected. In these situations, some type of barrier coating applied over the zinc is needed.

#### 2.2.2 Self-Weathering Steel

Weathering steels are formulated, using alloying metals such as nickel, copper and molybdenum to create a steel that will oxidize and create its own barrier coating. Unlike regular carbon steels that can rust and flake away until nothing is left, weathering steels rust to a point and stop. The oxide that is formed by the rusting process adheres tightly to the underlying steel, forming a patina that seals the pole against further moisture penetration that can cause further rusting. Self-weathering steel poles start out with the expected gray coloring. As the steel poles oxidize, they progress to an orange coloring and eventually to a deep dark brown coloring. The time it takes for this color transition is dependent on the climate where the poles are installed. In warm, humid climates the process may take a year or less, but in cold, dry climates it may take many years. Any incidental damage to this oxide coating heals itself, reducing the need for any type of maintenance.

Self-weathering steel provides a more organic look that galvanized steel that helps poles to blend into wooded areas. It has been proposed for sections of this project where forested conditions occur, and the deep brown coloring would blend well with the surrounding vegetation and background.

Self-weathering steel does not perform well in areas that would keep the steel continuously wet or where there are a lot of pollutants such as salts. Self-weathering steel should not be buried in soil without some type of barrier coating.

#### 2.2.3 Powder Coated Steel

A pigmented surface coating could potentially be used on structures under certain circumstances where the contrasts created by a dulled galvanized structure or self-weathering steel structure could be substantially decreased. Currently, the standard practice for applying color to the surfaces of tubular steel transmission poles at the factory is a process known as powder coating. In this process, a fine, granular material containing binders, resins, pigments, fillers and additives is electrostatically applied to the surface of the steel. The steel is then baked, during which time the powder melts and flows, eventually fusing to the metal and creating a hard and non-porous coating. Powder coating can be applied on galvanized surfaces or can be used on ungalvanized steel.

Advantages of powder coating are that finishes are available in a variety of colors, it provides barrier to protect from corrosion, and it is chemical and abrasion resistant. Disadvantages include fading due to sun exposure as the ultraviolet rays break down the color pigments. Powder coating offers barrier protection, but if the finish is scratched, punctured or otherwise compromised, corrosion will occur.

Application of powder coating over galvanized steel can extend corrosion protection longer than either process used independently. As previously noted, the he anticipated vendor, Trinity Meyer Utility Structures, utilizes Carboline 8812 polyurethane powder coating system (Carboline 2018) for their colorized transmission structures.

#### 2.2.4 Painted Steel

There are a variety of paint systems that can be used on steel poles. Most are multi-coat systems using a zinc-rich primer and a barrier topcoat. Paint systems are generally chosen to provide a choice of color. Paint is typically the least durable finish option with the shortest corrosion protection life span. Paint will eventually degrade, resulting in fading and potentially flaking from the poles, resulting in a potentially unsightly finish and requiring reapplication of paint in the field. Painted structures pose additional challenges from a maintenance perspective, such as potential line operation "outages" during periodic repainting and the presence of maintenance vehicles within the ROW during repainting for extended periods of time.

Due to the lower level of durability and long-term corrosion protection in comparison to the other pole finish options, painted steel was eliminated from consideration and powder coating was carried forward as a colorized surface coating option along with the galvanized steel finish and self-weathering steel options.

## 3.0 POLE FINISH SEGMENTS

#### 3.1 Overview

This Section discusses each Pole Finish Segment proposed within the City of Bellevue (South). There is a total of three Pole Finish Segments: Segment A, Segment B, and Segment C (see Figure 2 at the end of this report). Proposed pole finishes, dominant viewing condition, and associated reference points for each structure within the City of Bellevue (South) is detailed in Appendix A. The table contained within Appendix A generally progresses from south to north, starting from the City's southern border.

#### 3.2 Segment A

#### 3.2.1 Viewing Conditions and Setting

Segment A begins at the City of Bellevue's southern border with the City of Newcastle and extends to the structure adjacent to Forest Hill Park Neighborhood Park (see Figure 3 [at the end of this report] and Appendix B-Key Observation Point [KOP] Central 38). This section of the Project is dominated by one of two conditions: 1) single family, moderate density residential land use that would have open, direct and generally unobstructed views of the Project against a lightly to moderately vegetated setting and not typically be skylined; or 2) views that would be seen against a forest backdrop from recreationists or travelers using Coal Creek Park and trails or Coal Creek Parkway. There would be some potential skylining of the Project along this segment by viewers that are offset from the Project, but typically only the highest portions of structures would be seen against the sky. Most of the views would be direct and adjacent from the ROW and seen against sections of landscape or against forested landscape elements that are darker in color. Currently, the existing 115 kV H-frame, wood pole structures substantially influence the character of the area, deviating from the moderate density, single family and naturalistic landscape settings by introducing industrialized features into the landscape.

#### 3.2.2 Proposed Pole Finish and Rationale

Because dominant views are against a mixed forested or highly vegetated backdrop with taller, darker landscape elements, and because there is limited opportunity for skylined views, self-weathering steel would help blend the structures against the backdrop while minimizing potential contrasts. Optionally, the use of a powder coated structure, may further reduce contrasts with the surrounding landscape, but opinions expressed by the municipality and general public makes this option less desirable and would not significantly reduce impacts. Dulled galvanized structures would minimize contrasts for skylined views under some viewing conditions, but the use of this finish would create stronger structural contrasts for adjacent sensitive viewers. A total of 20 structures are proposed to be finished with self-weathering steel.

#### 3.3 Segment B

#### 3.3.1 Viewing Conditions and Setting

Segment B begins at Forest Hill Park Neighborhood Park and extends to SE 43rd Street, and would be seen from moderate density, single family residences and by public and private recreational viewers (see Figure 4 at the end of this report). The vicinity of the ROW typically has low to moderate densities of landscape vegetation, and the vegetation that does occur is dominated by lower growing trees and shrubs that do not provide significant backdrop.

POLE FINISH SEGMENT	STRUCTURE # RANGE	PROPOSED FINISH	NO. OF STRUCTURES WITH FINISH
A- S. Bellevue	5/8 (TAL-RIC) though 7/2 (TAL-RIC)	Self-Weathering	20
B- S. Bellevue	7/3 (TAL-RIC) though 8/2 (TAL-RIC)	Dulled Galvanized	16
C-S. Bellevue	8/3 (TAL-RIC) though 7/5(SAM-RIC)	Self-Weathering	35

#### TABLE 2 SUMMARY OF POLE FINISHES

The topography in the area allows for skylined (see Appendix B, KOP Central 15, KOP Central 18, KOP Central 30, KOP Central 39 and KOP Central 40) or backdropped views against a distant, lighter colored landscape. The Project would be elevated in the landscape and would be seen by a high number of viewers that are positioned above the line (e.g., superior views) backdropped against views of Lake Washington, the downtown Bellevue skyline, the downtown Seattle skyline, and Puget Sound in the distance. Currently, the existing 115 kV H-frame, wood pole structures substantially influence the character of the area, deviating from the moderate density, single family setting by introducing industrialized features into the landscape.

#### 3.3.2 Proposed Pole Finish and Rationale

Because dominant views would be against the sky for adjacent and distant viewers and because there is minimal tall, dark adjacent vegetative backdrop, a dulled-galvanized steel structure is proposed. This finish would be lighter in color and would typically create weaker contrasts than darker colored structures with a self-weathering steel finish. A total of 16 structures would be finished with dulled galvanized steel. Changing from self-weathering steel structures to dulled galvanized structures would cause minimal visual impacts because views of the two differing structures finish at the transition area between Segment A and Segment B and would not typically occur within the same viewshed. The last self-weathering structure (7/2 TAL-RIC) within Segment A would be viewed primarily from sensitive locations adjacent to the corridor (e.g. Forest Hill Park Neighborhood Park). Views of the first dulled galvanized structure (7/3 TAL-RIC) within Segment B would primarily occur from positions where the structured would be viewed against the sky for a majority of viewers.

#### 3.4 Segment C

#### 3.4.1 Viewing Conditions and Setting

This segment begins north of SE 43rd Street and extends to the Lakeside Substation, crossing an area of moderate density single family residential and institutional land use south of Interstate 90 (I-90) (see Figure 5 at the end of this report). North of I-90, the corridor becomes mixed commercial and industrial in character. Topography flattens as compared to Segment B, and the opportunity for skyline views of structures minimizes. Much of the landscape surrounding the ROW corridor has substantial tall vegetation. Views of the project, such as those from Tyee Middle School (see Appendix B- KOP South 24 and KOP South 25), would be set against this darker vegetated backdrop, and some skylining of the Project may occur. However, views such as the one shown in Appendix B- KOP South 25 would be the dominant condition. North of I-90, direct, but partially screened views from the commercial and industrial area would be seen against a substantially forested landscape. Currently, the existing 115 kV H-frame, wood pole structures substantially influence the character of the area, deviating from the single-family residential setting by introducing industrialized features into the landscape south of the I-90 corridor. The

existing transmission lines substantially contribute to the industrial character of the area in the vicinity of the Lakeside and Richards Creek Substations.

#### 3.4.2 Proposed Pole Finish and Rationale

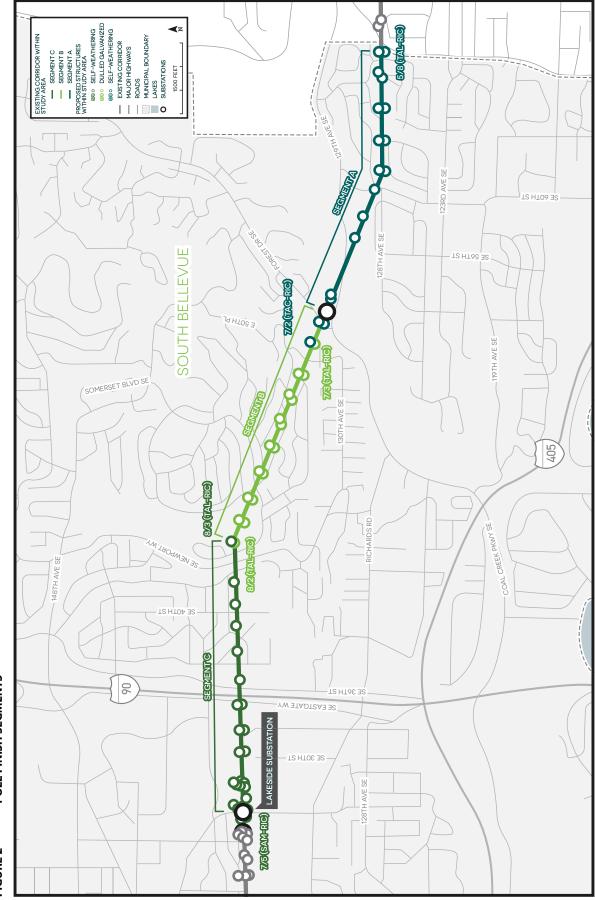
Because the Project would typically be viewed against a taller, darker backdrop, because sensitive viewers would directly see the structures, and because there would be minimal skylining occurring along the Segment, self-weathering steel structures are the most appropriate finish for Segment C. Galvanized structures would minimize contrasts for skylined views but would create stronger color contrasts for adjacent sensitive viewers. A total of 35 structures are proposed to be finished with self-weathering steel. Changing from dulled galvanized structures to self-weathering steel structures would cause minor visual impacts because views of the two differing structures at the structure finish transition area between Segment B and Segment C could occur within the same viewshed for nearby sensitive viewers. However, the selection of the structure finishes within the two Segments mitigates impacts for viewers that would have the highest visibility and that would potentially be impacted to the greatest extent.

## 4.0 REFERENCES

City of Bellevue. 2018. Energize Eastside Project Final Environmental Impact Statement. Volume 1 through 4. March 2018.

Federal Highway Administration (FHWA). 2015. Visual Impact Assessment for Highway Projects.

Carboline Paint System. 2018. <u>http://www.carboline.com/products/product-details/?prod=8812</u>. Accessed multiple occasions, September/October 2018





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BOI 364-1335 152508.10.02 (REV 1 2018-12-14) DG

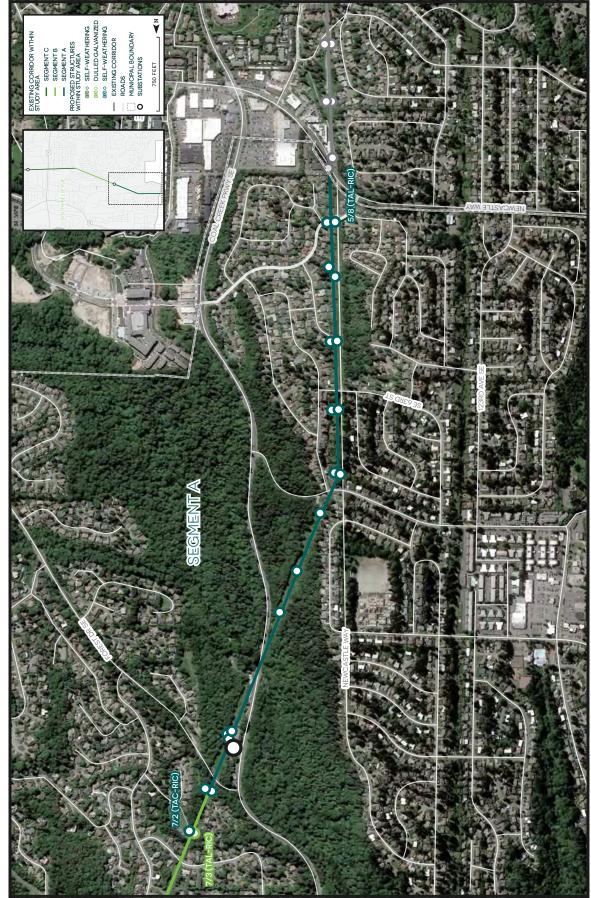
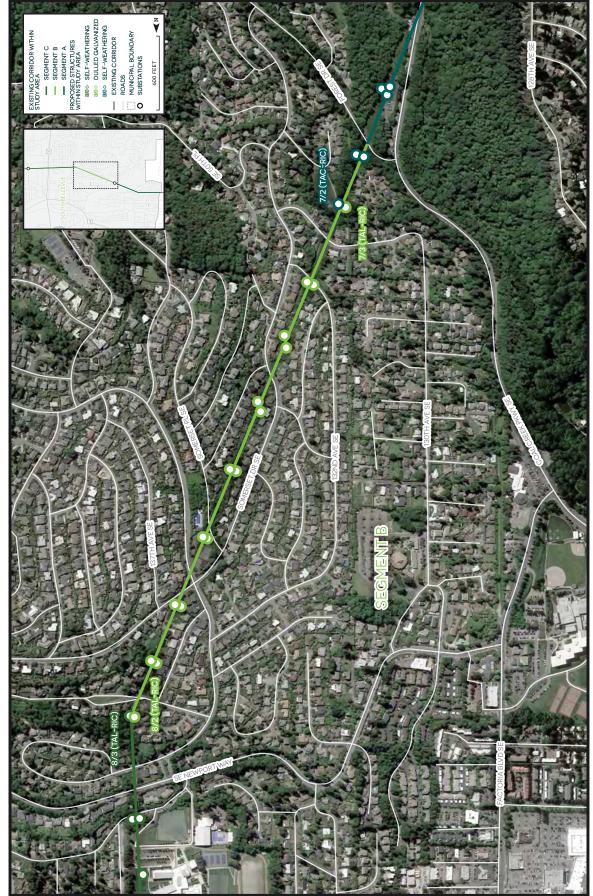


FIGURE 3 SEGMENT A

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BOI 364-1335 152508.10.02 (REV 1 2018-12-14) DG

PAGE 17



FIGURE 5 SEGMENT C

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BOI 364-1335 152508.10.02 (REV 1 2018-12-14) DG

# APPENDIX A FINISHES FOR ALL STRUCTURES WITHIN BELLEVUE (SOUTH)

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STRUCTURE #	REFERENCE POINT	DOMINANT VIEWING CONDITION	PROPOSED FINISH		
Pole Finish Segment A					
5/8 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately to highly vegetated right-of-way (ROW) edge/residential structure.	Self-Weathering		
5/9 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately to highly vegetated ROW edge/residential structure.	Self-Weathering		
6/1 (TAL-RIC #1 & #2)	SE 63 rd St Crossing	Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately to highly vegetated ROW edge/residential structure.	Self-Weathering		
6/2 (TAL-RIC #1 & #2)	SE 63 rd St Crossing	Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately to highly vegetated ROW edge/residential structure.	Self-Weathering		
6/3 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately to highly vegetated ROW edge/residential structure.	Self-Weathering		
6/4 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately to highly vegetated ROW edge/ residential structure.	Self-Weathering		
6/5 (TAL-RIC #1 & #2)		Heavily forested landscape, direct views from travel corridor and recreationists; minimal or no skylining.	Self-Weathering		
6/6 (TAL-RIC #1 & #2)	Coal Creek Parkway Crossing	Heavily forested landscape, direct views from travel corridor and recreationists; minimal or no skylining.	Self-Weathering		
6/7 (TAL-RIC #1 & #2)	Coal Creek Parkway Crossing; Somerset Substation	Heavily forested landscape, direct views from travel corridor and recreationists; minimal or no skylining.	Self-Weathering		
7/1 (TAL-RIC #1 & #2)		Heavily forested landscape, direct views from travel corridor and recreationists; minimal or no skylining.	Self-Weathering		
7/2 (TAL-RIC #1 & #2)	Forest Hill Neighborhood Park	Moderate-heavily vegetated landscape, direct views from travel corridor and recreationists; minimal or no skylining.	Self-Weathering		
Pole Finish Segment B					
7/3 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; to minimal vegetative screening; partial to full structure potentially visible against sky for adjacent and distant viewers; moderately vegetated, low vegetation along ROW	Dulled Galvanized		

STRUCTURE #	REFERENCE POINT	DOMINANT VIEWING CONDITION	PROPOSED FINISH
7/4 (TAL-RIC #1 & #2)	Somerset Dr. SE Crossing	Adjacent to moderate density residential; to minimal vegetative screening; partial to full structure potentially visible against sky for adjacent and distant viewers; moderately vegetated, low vegetation along ROW.	Dulled Galvanized
7/5 (TAL-RIC #1 & #2)	Somerset Dr. SE Crossing	Adjacent to moderate density residential; to minimal vegetative screening; partial to full structure potentially visible against sky for adjacent and distant viewers; moderately vegetated, low vegetation along ROW.	Dulled Galvanized
7/6 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; to minimal vegetative screening; partial to full structure potentially visible against sky for adjacent and distant viewers; moderately vegetated, low vegetation along ROW.	Dulled Galvanized
7/7 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; to minimal vegetative screening; partial to full structure potentially visible against sky for adjacent and distant viewers; moderately vegetated, low vegetation along ROW.	Dulled Galvanized
7/8 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; to minimal vegetative screening; partial to full structure potentially visible against sky for adjacent and distant viewers; moderately vegetated, low vegetation along ROW.	Dulled Galvanized
8/1 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; to minimal vegetative screening; partial to full structure potentially visible against sky for adjacent and distant viewers; moderately vegetated, low vegetation along ROW.	Dulled Galvanized
8/2 (TAL-RIC #1 & #2)	Sumerset Blvd./SE Newport Way Crossing	Adjacent to moderate density residential; to minimal vegetative screening; partial to full structure potentially visible against sky for adjacent and distant viewers; moderately vegetated, low vegetation along ROW.	Dulled Galvanized
Pole Finish Segmen	t C		Т
8/3 (TAL-RIC #1 & #2)	Sumerset Blvd./SE Newport Way Crossing	Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately vegetated ROW edge/residential structures; minimal skylining.	Self-Weathering
8/4 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately vegetated ROW edge/residential structures; minimal skylining.	Self-Weathering
8/5 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately vegetated ROW edge/residential structures; minimal skylining.	Self-Weathering
8/6 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; minimal vegetative screening; partial to full	Self-Weathering

STRUCTURE #	REFERENCE POINT	DOMINANT VIEWING CONDITION	PROPOSED FINISH
		structure potentially backdropped against moderately vegetated ROW edge/residential structures; minimal skylining.	
8/7 (TAL-RIC #1 & #2)		Adjacent to moderate density residential; minimal vegetative screening; partial to full structure potentially backdropped against moderately vegetated ROW edge/residential structures; minimal skylining.	Self-Weathering
8/8 (TAL-RIC #1 & #2)	I-90 crossing	Adjacent to transportation/commercial; minimal vegetative screening; partial to full structure potentially backdropped against moderately vegetated ROW edge.	Self-Weathering
8/9 (TAL-RIC #1 & #2) 0/5B (LAK- GOO)	I-90 crossing	Adjacent to transportation/commercial; minimal vegetative screening; partial to full structure potentially backdropped against moderately vegetated ROW edge.	Self-Weathering
8/10 (TAL-RIC #1 & #2) 0/5A (LAK- GOO)		Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
9/1 (TAL-RIC #1 & #2)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
9/2 (TAL-RIC #1 & #2)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
0/5C (LAK-GOO)	I-90 crossing	Adjacent to commercial/industrial and existing transmission infrastructure (light color/galvanized; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
0/5 (LAK-GOO)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
0/4 (LAK-GOO)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
0/3 (LAK-GOO)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately- highly vegetated ROW edge.	Self-Weathering
0/2 (LAK-GOO)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
0/1 (LAK-GOO)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial and existing transmission infrastructure (light color/galvanized); minimal vegetative	Self-Weathering

STRUCTURE #	REFERENCE POINT	DOMINANT VIEWING CONDITION	PROPOSED FINISH
		screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	
7/9 (SAM-RIC #2)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
7/8 (SAM-RIC #1&. #2)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
7/7 (SAM-RIC #1 & #2) 0/1 (RIC-LAK #1)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
7/6 (SAM-RIC #1)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
7/5 (SAM-RIC #1)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial and existing transmission infrastructure (light color/galvanized); minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
0/2 (RIC-LAK#1)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial; minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
8/7 (SHU-LAK)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial and existing transmission infrastructure (light color/galvanized); minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
8/8 (SHU-LAK)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial and existing transmission infrastructure (light color/galvanized); minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
8/9 (SHU-LAK)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial and existing transmission infrastructure (light color/galvanized); minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering
8/10 (SHU-LAK)	Richards Creek Substation/Lakeside Substation Area	Adjacent to commercial/industrial and existing transmission infrastructure (light color/galvanized); minimal vegetative screening; partial to full structure potentially backdropped against moderately-highly vegetated ROW edge.	Self-Weathering

## APPENDIX B PHOTO SIMULATIONS WITHIN BELLEVUE (SOUTH)





Address	13233 SE 51st PI, Bellevue
Date	7/24/2017
Time	2:21 PM
Viewing Direction	Northwest
Existing Pole Heights	~55 feet
Proposed Pole Heigh	nts ~65 feet

energizeeastside

## KOP CENTRAL 38 SEGMENT 2







HOUSE - CARLES AND A CONTRACT OF A STATE	AND A DOWN AND AND AND AND AND AND AND AND AND AN
Address	4489 137th Ave SE, Bellevue
Date	4/10/2014
Time	9:32 AM
Viewing Direction	North
Existing Pole Heigh	ts ~55 feet
Proposed Pole Heig	ghts ~80 feet

# KOP CENTRAL 15 SEGMENT 2

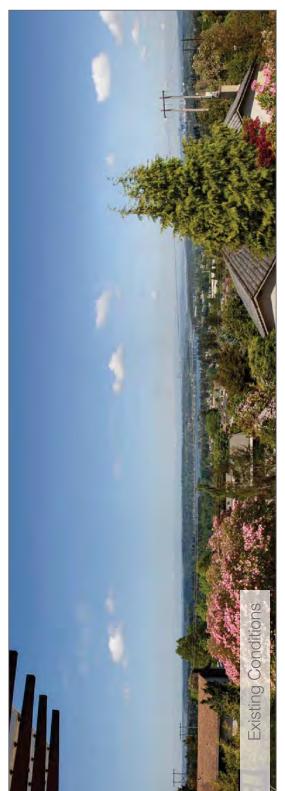
energizeeastside



# KOPCENTRAL 18 SEGMENT 2

Bellevi	
Ave SE,	
137th	
4411	
ddress	

Address 4411 13/th Ave SE, Bellevue	5/7/2014	10:53 AM	Direction Northwest	Existing Pole Heights ~55 feet	Proposed Pole Heights ~80 feet	
Address	Date	Time	Viewing Direction	Existing Pol	Proposed P	





energizeEASTSIDE PSE PUGET SOUND ENERGY

DSD 003616





Address	4730 134th Place SE, Bellevue
Date	8/24/2016
Time	3:28 PM
Viewing Direct	ion West
Existing Pole H	leights ~44 feet
Proposed Pole	e Heights ~75 feet

## KOP CENTRAL 30 SEGMENT 2









Address	4411 Somerset Dr SE, Bellevue	ə
Date	7/24/201	7
Time	9:26 AN	Λ
Viewing Direc	tion Sout	n
Existing Pole	Heights ~55 fee	t
Proposed Po	le Heights ~75 fee	t

## KOP CENTRAL 39 SEGMENT 2

energize**eastside** 







Address	13300 SE 44th PI, Bellevue
Date	7/24/2017
Time	2:05 PM
Viewing Direction	East
Existing Pole Height	s ~55 feet
Proposed Pole Heig	hts ~75 feet

# KOP CENTRAL 40 SEGMENT 2





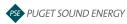




Address	13030 SE Allen Ra, Bellevue
Date	3/30/2016
Time	1:44 PM
Viewing Direction	Northeast
Existing Pole Heights	s ~60 feet
Proposed Pole Heig	hts ~95 feet

# KOP SOUTH 24 SEGMENT 2

energizeeastside







Address	13744 SE Allen Rd, Bellevue
Date	3/30/2016
Time	1:42 PM
Viewing Direction	Northeast
Existing Pole Heigl	hts ~65 feet
Proposed Pole He	ights ~90 feet

# KOP SOUTH 25 SEGMENT 2

energizeeastside



# APPENDIX C CARBOLINE 8812 COLOR LOGIC



# Color Logic

# **Intelligent Color Selection**

							DSD 003623

# directions

### new color developments and trends

1864	Vestal White	0832	Aviation White	0820	Carrera White	A882	Daybreak	C132	Blue Ice
G248	Sandcastle	8525	Classical	G171	Stratus Blue	G170	Viola	G169	Lapis Blue
7801	Constitution	G760	Grey Fog	J749	Louisiana Gray	4755	Pearl Gray	6225	Dark Beige
5255	Basket Weave	0855	Bamboo	0217	Desert Tan	B223	Cinnamon Kiss	7594	Merlot
F186	Window Pane	0381	Aleutian Green	4372	Hunter Green	F304	Wimbledon Green	2380	Rain Forest Green
									_
1143	Nautilus	2127	Cyanine Blue	F193	Engine Blue	F140	Sapphire Blue	A700	Past Midnight

# utility toolbox

### maintenance and safety standards

A826	White Lotus	S800	Safety White	2133	Aquarius Blue	5141	Open Sky	S150	Safety Blue
C705	Light Gray	2716	Edison Gray	2713	Gull Gray	C703	Medium Gray	0754	Machine Gray
1675	Ignition Yellow	N625	Sun Yellow	6666	Safety Yellow	4444	Safety Orange	5555	Safety Red
1898	Aden White	9225	Cashew	G245	Dunes Tan	G250	Weathered Copper	F235	Dark Bronze
2394	Green Back	2383	Safety Green	D337	Offshore Green	C900	Black		

Colors shown are ink representation of actual color standards. Actual product appearance may vary slightly due to product, gloss, surface texture or method of application. Vibrant colors may require additional coats or a primer similar in color to the finish coat for optimum color rendition.

# ovations

### historical mainstays and timeless classics

A881	Veil White	A825	Haze White	3848	Eggshell	5803	Parchment	0808	Medium Buff
8882	Tank White	1867	Oyster Glow	0780	Neutral Gray	0794	Meridian Gray	2761	Mist Gray
6731	Sterling Gray	2758	Granite Gray	9750	Confederate Gray	0746	Midway Gray	4753	Gray Flannel
J343	Spring Green	J359	Greenhouse	5384	Patio Green	E369	Green Briar	0388	Vernal Green
0110	Silver Blue	1192	Blue Mist	4169	Atomic Blue	4184	Caribbean Blue	6164	National Blue
B775	Prestige	8285	Mobile Beige	2248	Walnut Grove	2277	Falcon Brown	0516	Tile Red

# earthscapes

### reflections of nature's own palette

G185	Skyward	G186	Cirrus Cloud	1315	Benicia Green	2332	Courtyard	9341	Lancaster Green
0895	River Reed	3216	Alpaca	K349	New Leaf	6797	French Gray	9218	Cocoa Brown
1606	Autumn Peak	8516	Copper Smith	8517	Potter's Clay	8528	Walnut Burl	3157	Moon Water
1000	Autumn Peak	0110	Copper Smith	001/	Poller's Clay	0520	Wathut Burt	3137	MOOU Marei

DSD 003625

# **GLOBAL COATINGS LEADERS**

RIGHT PEOPLE · RIGHT PRODUCTS · RIGHT LOCATIONS



## **GLOBAL MANUFACTURING PLANTS**

#### CARBOLINE COMPANY

GLOBAL HEADQUARTERS 2150 SCHUETZ ROAD ST. LOUIS, MO 63146 USA PH: +1-314-644-1000 WWW.CARBOLINE.COM

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SOUTH KOREA - BUSAN 43-1, JINYOUNG-RI JINYOUNG-EUB KIMHAE-CITY, 621-800 KYOUNGSANGNAMDO, KOREA PHONE: 82-55-343-6441/5 FAX: 82-55-343-6414

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UAE - DUBAI P.O. BOX 3034 DUBAI, UAE PHONE: 971-4-347-0460 FAX: 971-4-347-0242

USA - DAYTON 95 AIRPARK VISTA BLVD. DAYTON, NV 89403 PHONE: 775-246-0760 FAX: 775-230-8859

### USA - GREEN BAY

2122 ANGIE AVENUE, BUILDING 7, SECTION 2 GREEN BAY, WI 54302 PHONE: 920-437-6561 X4208 FAX: 920-469-0358

#### USA – LAKE CHARLES 2425 FRUGE STREET LAKE CHARLES, LA 70601 PHONE: 337-205-8410 FAX: 337-439-5296

USA - LOUISA 321 DUKE ST. LOUISA VA 23093 PHONE: 540-967-5119 FAX: 540-967-5120

#### VENEZUELA - CARACAS URBANIZACION INDUSTRIAL "EL TIGRE' AVENIDA PRINCIPAL, GALPÓN "H" VALENCIA EDO. CARABOBO VENEZUELA

PHONE: 58-245-4000400 FAX: 58-245-5642011 VIETNAM - HO CHI MINH CITY

R00M N0.63B, 6 PHUNG KHAC KHOAN ST., DAKAO WARD, DISTRICT 1 HO CHI MINH CITY, VIETNAM PHONE: (84) 08-3822-7684

# DOCUMENT ROUTING FORM

Routed On: 12/14/2018 Prepared by: JSTAMS

# Folder: 17 120556 LB

# Target Date: 04/14/2018

Folder Name: PSE Energize Eastside

Site Address: 13625 SE 26th St

Folder Type: Conditional Use

Sub Type: Nonresidential

Work Proposed: Use Approval

**Description:** Upgrade to existing transmission lines from 115kV to 230kV, including pole and conductor replacement. Construction of new 23okV to 115kV substation.

**Quick Review?:** 

Project Contact: Puget Sound Energy Brad Strauch

Phone: (425) 462-3223

Subject: Rev. 4 Intake & Route

Materials Routed:

historical and cultural resource mitigation summary

Routed On: 12/14/2018

HBEDWELL Land Use



City of Bellevue Permit Processing (425) 452-4898	REVISIONS/ADDITIONS SUBMITTAL FORM
Permit Processing (+20) 102 1011	Tech InitialsRev.#
Permit # _17-120556-LB Job Address:13600 SE 30th Street, Bellevue	Has permit been issued? Yes □ No 🖄
Project Name: PSE Energize Eastside	Phone:(425)_456-2556
Project Contact: <u>Brad Strauch</u> Project Contact Email Address: <u>bradley.strauch@pse.co</u>	om
Revisions requested by City staff? Yes ⊠ Reviewer: No □	

On the line provided, write in the number of sets of each item that you are submitting and identify the sheet numbers. (Note: You <u>must</u> provide the same number of documents/plans as originally submitted.)

# Sets	Received
--------	----------

# Describe the nature of the changes:

Response to City request.

# **Bermit Processing**



Puget Sound Energy P.O. Box 97034 Bellevue, WA 98009-9734

PSE.com

December 13, 2018

Heidi Bedwell, Environmental Planning Manager City of Bellevue 450 110th Avenue NE Bellevue, WA 98004

### RE: South Bellevue Segment Energize Eastside – Historic and Cultural Resources Conditional Use (File# 17-120556-LB)

Dear Ms. Bedwell:

Puget Sound Energy, Inc. ("PSE") submits the following letter to summarize our progress in assessing and, to the extent necessary, addressing potential impacts to cultural resources. The Energize Eastside Project Final Environmental Impact Statement ("EIS") found that there are no protected archaeological sites at or adjacent to the Bellevue South Segment (as described in the EIS) and the sensitivity for these resources is very low. EIS at 4.7-12. The EIS further found that the South Segment contains or is adjacent to unevaluated historic resources, including potentially detached single family residences built in the 1950s and 1960s, a historic district, and the corridor itself. *Id.* The EIS explains that the eligibility of these resources will be evaluated by the Department of Archaeology and Historic Preservation ("DAHP") and that, to the extent resources are eligible, it is probable that any impacts could be mitigated.

On June 21, 2017, PSE sent a letter to DAHP and potentially affected Tribes, notifying them of the project. A subsequent email on that day from PSE's consultant Historical Research Associates, Inc. ("HRA") transmitted an Area of Potential Effects ("APE") cover letter, proposed archaeological inventory plan, as well as other relevant documents for DAHP's review. The project was assigned DAHP Project number 2016-03-01689. PSE requested comments on the proposed APE and Archaeological Inventory Plan within 30 days. HRA contacted DAHP approximately a month later to ask about any comments on the APE and associated materials. Following additional email exchange, DAHP indicated that they would be awaiting contact from the U.S. Army Corps of Engineers ("Corps"), the federal lead on the Clean Water Act Section 404 permit that ultimately triggers review under Section 106 of the National Historic Preservation Act of 1966 ("NHPA"). PSE will pursue full consultation with DAHP under the State Environmental Policy Act ("SEPA") after the Corps has formally defined the portion of the project under their jurisdiction.

This has not slowed PSE's progress in completing a full inventory of the corridor, including those areas subject to Corps jurisdiction, and in moving forward with other mitigation-related activities contemplated in the EIS. HRA drafted one cultural and historic resources report for the section of the project proposed for Corps jurisdiction. HRA drafted two cultural and historic resources reports for the segments of the alignment outside of the proposed area of Corps jurisdiction, which would be subject to SEPA. At this time, HRA has not identified any potential impact to resources recommended as eligible for the National Register of Historic Places ("NRHP") that cannot be mitigated. The following is a list of activities contemplated in the EIS and a summary of progress that PSE and their consultant (HRA) have taken to address those concerns, to date.

### FEIS Cultural Resources Mitigation/Regulatory Requirements — Prior to Construction

- ✓ Develop resource-specific mitigation measures during consultation with DAHP, affected Tribes, KCHPP, and other appropriate stakeholders if a protected archaeological resource is identified during pre-construction archaeological survey or historic property inventory. (Regulatory Requirements)
  - HRA identified two archaeological sites during their survey for cultural resources: the Columbia and Puget Sound Railroad, which was previously recorded, and a foundation from the 1930s or 1940s.
    - The Columbia and Puget Sound Railroad site will be avoided by project activities.
    - The foundation site falls within Corps jurisdiction. HRA has recommended the site not eligible for listing in the NRHP. The Corps will review this recommendation during their Section 106 review. No action may be taken in this area until PSE has received required approvals from the Corps.
- ✓ Apply for an archaeological excavation permit from DAHP (WAC 25-48-060) if impacts to a protected archaeological resource cannot be avoided. (Regulatory Requirements).
  - The previously recorded railroad will be avoided by the project. The foundation is recommended by HRA as not eligible for listing in the NRHP. This recommendation will be addressed as part of the Corps Section 106 review.
  - If additional survey of access routes or access denial pole locations results in identification of a previously unidentified archaeological site(s) and impacts to that resource cannot be avoided, PSE will consult with required agencies and comply with this provision.
- ✓ Request an eligibility determination from DAHP for resources listed as eligible for listing in the NRHP (Eastside Transmission System, Somerset Neighborhood, Newcastle Cemetery, Mt. Olivet Cemetery, and the Columbia & Puget Sound Railroad). If any are determined eligible, mitigation measures specific to those resources will be developed during consultation with DAHP, affected Tribes, and any other appropriate stakeholders. (Regulatory Requirements)

- HRA recommended 37 resources individually eligible for listing in the NRHP. HRA also recommends 153 resources qualify for listing in the NRHP under Criterion C as contributing resources to one of three potential neighborhood historic districts through which the project's Area of Impacts (AI) passes: the Somerset neighborhood, Bridle Trails neighborhood, and Monthaven neighborhood.
- HRA recommended that the only potential for significant impacts are to the Sammamish-Lakeside-Talbot Hill Transmission Lines #1 and #2.
- Following further review HRA determined that while the replacement of the existing transmission lines will impact the transmission line itself, the impact will be minimized by PSE's decision to route the new lines through the existing transmission corridor, to typically place new transmission poles within 25 feet of existing poles, and to maintain the lines' original use and purpose. HRA recommends that the Project, as planned, will have no significant impact on historic architectural properties. If mitigation is required, HRA recommends a limited public education effort, including, potentially, public signage along the route or other means of sharing the history of the Eastside's electrification with the public.
- Somerset was identified as potentially eligible for listing in the NRHP under Criterion C, as a midcentury neighborhood built by merchant builders and developers in a collection of architectural styles typical of the time. HRA determined that, as the neighborhood was designed around the existing transmission corridor, and PSE proposes to retain the original corridor, the neighborhood will also retain its existing relationship to the transmission lines. HRA recommends that the Project, as proposed, will retain the original transmission corridor and does not impact a potential Somerset neighborhood historic district or the contributing resources within it.
- The Newcastle Cemetery is listed in the Washington Heritage Register. It is outside of, but adjacent to the AI for the project.
- Mt. Olivet Cemetery is also outside of the AI.
- ✓ Obtain a Certificate of Appropriateness (COA) from KCHPP (KCC 20.62) if there are potential impacts to a designated KC Landmark. (Regulatory Requirements)
  - HRA did not identify any designated KC Landmarks within the AI.
- ✓ Avoid cemeteries in accordance with state law (Chapters 68.60 RCW and 68.50 RCW).
  - Property owned by the Sunset Hills Memorial Park encompasses a portion of PSE's corridor, where SAM-RIC proposed poles 6/4 through 6/7 are located. It appears that the developed cemetery is on property upslope to the east of the ROW and will not be impacted. It is also located in the North Bellevue segment and not part of the City's current CUP review process.
  - Additional cemeteries are outside of the ROW and so will not be impacted.
- ✓ Avoid graves outside of the dedicated boundaries of a cemetery in accordance with state law (Chapters 27.44 RCW and 68.60.050).

- There are no known graves outside the dedicated boundaries of a cemetery. Archaeological monitoring is recommended at pole locations on Sunset Hills Memorial Park property, in the vicinity of the Newcastle Cemetery, and adjacent to Greenwood Memorial Park.
- HRA prepared an Inadvertent Discovery Plan (IDP) for the portion of the project under Corps jurisdiction.
- HRA drafted a monitoring and inadvertent discovery plan (MIDP) for the portion of the project subject to the State Environmental Policy Act ("SEPA"). This MIDP will be revised based on the results of additional survey for access routes and access denial properties.
- PSE will implement both plans and follow specified procedures to the extent any unmarked graves are encountered.
- ✓ Conduct a historic property inventory (field work is complete; resulting forms and associated report are being submitted to DAHP for review).
  - HRA completed a historic property inventory for project resources both within and outside of the Corps' jurisdiction.
  - Submission of these reports to DAHP will occur after the Corps has formally taken jurisdiction over their portion of the project. The Corps confirmed receipt of the application on November 26, 2018.
- ✓ Conduct archaeological resource surveys for the selected route that include subsurface testing (pedestrian and subsurface survey of the 16-mile alignment and specific proposed pole locations began in August 2017 and is still ongoing as of the writing of this [December 2017]; PSE will conduct a second pedestrian and subsurface survey to assess staging areas, laydown areas, stringing sites, and access roads once more information on these locations is available; as of this writing this has not started).
  - The initial archaeological survey was completed in October 2017.
  - Additional survey associated with the Richards Creek wetland mitigation, and stringing areas and access roads on the Richards Creek parcels was completed in August 2018.
  - PSE has submitted the Richards Creek report to the Corps (confirmation from Corps on November 26, 2018).
  - HRA returned to conduct survey of poles and access routes in the wetland south of the Sammamish Substation in October 2018.
  - Upon selection of the construction contractor, PSE will survey of access routes, stringing locations, and access denial properties as appropriate.
- ✓ Consult with DAHP and any other appropriate stakeholders to develop resource-specific mitigation measures for impacts to significant cultural resources.
  - Consultation with DAHP under Section 106 and SEPA will occur during the Corps' Section 106 review.
- ✓ Preserve or add screening at proposed pole sites to minimize potential impacts to the viewsheds of historic cemeteries.

- This mitigation option will be considered by DAHP during their review.
- ✓ Adjust the proposed pole locations to reduce potential direct impacts to historic cemeteries.
  - At this time, there are no poles that are expected to directly impact historic cemeteries. As set forth above, the only impacts are to lands adjacent to historic cemeteries.
- ✓ If the selected alternative presents potential operational impacts to eligible or listed historic properties, mitigation measures would depend upon the nature of the property and the characteristics contributing to its significance. If impacts to a designated King County Landmark are proposed, the project will be subject to the COA process with the King County Landmarks.
  - HRA did not identify any designated KC Landmarks within the AI.
- ✓ Operational impacts to aboveground resources may include noise, vibration, and views. The impacts to each identified historic resource will need to be assessed individually to determine mitigation measures, which may include redesign options or measures to minimize noise and vibration impacts.
  - The FEIS did not identify any potential significant noise or vibration impacts to South Bellevue cultural resources. *See* Energize Eastside Project Phase I Draft EIS at Ch. 9.1.
- FEIS Cultural Resources Mitigation/Regulatory Requirements During Construction
  - □ Develop mitigation measures during consultation with DAHP, affected Tribes, and any other appropriate stakeholders if a protected archaeological resource is identified during construction. In accordance with RWC 27.53, an archaeological resource identified during construction is protected until DAHP determines whether it is eligible for listing in the NRHP. (Isolated (single) artifacts, either precontact or historic, are not protected because they do not meet the definition of a "site" under state law (WAC 25-48-020(9)).
    - HRA prepared an IDP for the portion of the project under Corps jurisdiction.
    - HRA drafted a monitoring and inadvertent discovery plan (MIDP) for the portion of the project subject to SEPA. This MIDP will be revised based on the results of additional survey for access routes and access denial properties.
  - □ Follow procedures dictated by state law (RCW 27.44) if human skeletal remains are discovered.
    - PSE is aware of and will comply with this law.
  - □ Obtain an excavation permit from DAHP if unmarked graves would be disturbed.
    - PSE is aware of and will comply with this law.
  - □ Follow the procedures identified in the IDP if any cultural resources are encountered during construction.

- HRA prepared an Inadvertent Discovery Plan (IDP) for the portion of the project under Corps jurisdiction.
- HRA drafted a monitoring and inadvertent discovery plan (MIDP) for the portion of the project subject to SEPA. This MIDP will be revised based on the results of additional survey for access routes and access denial properties.
- PSE will implement both plans and follow specified procedures to the extent any unmarked graves are encountered.

Please let me know if you need any additional information on PSE's cultural resource planning and consultations.

Sincerely,

Bul Stat

Brad Strauch Senior Land Planner

### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Thursday, November 29, 2018 9:33 AM
To:	Bedwell, Heidi
Subject:	RE: Tree spreadsheet
Attachments:	Tree Comparison Table_REV1_2018-11-28_PSE Update.xlsx
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

Attached is the updated tree table you requested. Please let me know if you have any questions.

Brad

From: Bedwell, Heidi [mailto:HBedwell@bellevuewa.gov]
Sent: Monday, November 19, 2018 7:22 AM
To: Strauch, Bradley
Subject: FW: Tree spreadsheet

See Jessica's message below. Please address the discrepancies. Thanks, Heidi Bedwell

From: Jessica Conquest <JConquest@esassoc.com> Sent: Sunday, November 18, 2018 6:41 PM To: Bedwell, Heidi <HBedwell@bellevuewa.gov> Subject: RE: Tree spreadsheet

The highlighted rows are the trees that are shown in the Public Tree Removal Maps (see attached). The highlighted cells that do not have tree information weren't documented in the table at the end of the original Vegetation Management Plan. During the tree canopy GIS exercise, we did find that some of the public trees weren't in the tree inventory shapefiles from last year.

From: Heidi Bedwell Sent: Sunday, November 18, 2018 12:00 PM To: Jessica Conquest <<u>JConquest@esassoc.com</u>> Subject: RE: Tree spreadsheet

Can you clarify what the highlighted rows represent? I think I know but would like to confirm.

From: Jessica Conquest <<u>JConquest@esassoc.com</u>> Sent: Friday, November 16, 2018 1:39 PM To: Bedwell, Heidi <<u>HBedwell@bellevuewa.gov</u>> Subject: RE: Tree spreadsheet

Hi Heidi –

Please see the attached spreadsheet. Let me know if you have any questions.

#### Jessica

From: Heidi Bedwell Sent: Friday, November 16, 2018 1:27 PM To: Jessica Conquest <<u>JConquest@esassoc.com</u>> Subject: Tree spreadsheet

Would you be able to send me the tree spreadsheet we discussed yesterday? Thanks, Heidi



Heidi M. Bedwell Energize Eastside EIS Project Manager Environmental Planning Manager, Land Use Division Development Services Department 425-452-4862 www.bellevuewa.gov and www.mybuildingpermit.com

**CAUTION:** This email originated from outside of the organization. Exercise extra caution when responding, opening attachments, and clicking links.

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1801000 000000000000000000000000000000000	15	0	1024059083	Pinus nigra	Austrian pine	27					4 - Poor	Retain
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27       0       1024059083       Finus nigra       Austrian pine       19       4 - Poor       Retain         28       0       1024059083       Pinus nigra       Austrian pine       19       4 - Poor       Retain         29       0       1024059083       Betula pendula       European white birch       11       4 - Poor       Retain         30       0       1024059083       Pinus nigra       Austrian pine       20.7       4 - Poor       Retain	26	0	1024059083	Pinus nigra	Austrian pine	14					4 - Poor	Retain
28     0     1024059083     Betula pendula     European white birch     11     4 - Poor     Retain       29     0     1024059083     Betula pendula     European white birch     11     4 - Poor     Retain       30     0     1024059083     Pinus nigra     Austrian pine     20.7     4 - Poor     Retain	27	0	1024059083	Pinus nigra	Austrian pine	18					4 - Poor	Retain
29     0     1024059083     4 - Poor     Retain       30     0     1024059083     Pinus nigra     Austrian pine     20.7     4 - Poor     Retain	28	0	1024059083	Pinus nigra	Austrian pine	19					4 - Poor	Retain
30 U 1024059083 20.7 4 - POOT Retain	29	0	1024059083	Betula pendula	European white birch	11					4 - Poor	Retain
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	31	0	1024059083	Betula pendula	European white birch	9.5					4 - Poor	Retain

34010240508Pinus nigraAustrian pine2 $4$ -PeorePinus $35$ 0102405088Pinus nigraAustrian pine $20.5$ $4$ -Peore $4$ -Peore $36$ 0102405088Pinus nigraAustrian pine $20.5$ $4$ -Peore $4$ -Peore $37$ 0102405088Pinus nigraAustrian pine $20.5$ $4$ -Peore $4$ -Peore $37$ 0102405083Pinus nigraAustrian pine $20.5$ $4$ -Peore $4$ -Peore $38$ 219212405001Acer pistanoldesNorway maple $21.6$ $3.5$ Air $3.5$ Air $39$ 176067200160Pinus sylvestrisScots pine $91.1$ $3.5$ $3.5$ Air $3.5$ Air $41$ 37760124059130Alnus rubraRed alder $9.7$ $8.2$ $3.5$ Air $3.5$ Air $3.5$ Air $42$ 37781024059130Alnus rubraRed alder $9.7$ $8.2$ $3.5$ Air $3.5$ Air $44$ 37791024059130Alnus rubraRed alder $9.7$ $8.2$ $3.5$ Air $3.5$ Air $45$ $3774$ 1024059130Alnus rubraRed alder $9.7$ $8.2$ $3.5$ Air $3.5$ Air $45$ $3774$ 1024059130Alnus rubraRed alder $9.7$ $8.2$ $3.5$ Air $3.5$ Air $45$ $3774$ 1024059130Alnus rubraRed alder $9.7$ $3.2$ $3.5$ Air $3.5$ Air $46$ $3.73$ 1024059130Alnus r	etain
34 $10$ $12x459303$ Pinus nigra       Austrian pine $12$ $41$ Poor       Ref $35$ $0$ $1024659303$ Pinus nigra       Austrian pine $205$ $44$ Poor       Ref $37$ $0$ $1024059033$ Pinus nigra       Austrian pine $205$ $44$ Poor       Ref $37$ $0$ $1024059033$ Pinus nigra       Austrian pine $12$ $44$ Poor       Ref $38$ $219$ $212405901$ Acer platanoides       Norway maple $12$ $377$ $31x6300000000000000000000000000000000000$	
16       10       10       10       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11 <t< td=""><td>etain</td></t<>	etain
30 $0$ 12x03903Pinus nigraAustrian pine $17$ $4 + Poor$ <td>etain</td>	etain
3710121414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414 <td>etain</td>	etain
38 $129$ $11203001$ $3 + Fail$ $3 + Fail$ $3 + Fail$ $6 + Fa$	etain
1331769672100100Robina pseudoacadaBlack locust12.53.1 ard6.7 ard6.7 ard401770672100160Robina pseudoacadaBlack locust12.53.6 ard6.7 a	move
$43$ $176$ $0710100$ $3^{3}$ rai $3^{$	etain
4157701024059130Alnus rubraRed alder9.78.23. FairRed4237771024059130Alnus rubraRed alder98.23. FairRed4437791024059130Alnus rubraRed alder98.23. FairRed4437791024059130Alnus rubraRed alder1088663. Fair4537721024059130Salix scoulerianaScouler's willow15.53. FairRedRed4637751024059130Alnus rubraRed alder10.53. FairRedRed4737741024059130Alnus rubraRed alder953. FairRed4837711024059130Alnus rubraRed alder953. FairRed4937721024059130Salix scoulerianaScouler's willow15.53. FairRed4937721024059130Alnus rubraRed alder953. FairRed4937721024059130Alnus rubraRed alder953. FairRed5039141024059130Alnus rubraRed alder953. FairRed61218212405901Alnus rubraRed alder953. FairRed7039141024059130Alnus rubraRed alder953. FairRed711024059130Alnus rubra <td>etain</td>	etain
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S0     3914     1024059130     9     2 - Good     Ref       51     218     2124059001     Acer platanoides     Norway maple     9.5     3 - Fair     Ref	etain
51         218         2124059001         5.5         5 - Fail         Re           Describe follow: Four         Disclosetterwood         5.5         5 - Fail         Re	etain
Populus balsamifera Black cottonwood	move
52 242 1024059130 Populus baisamirera Black cottonwood 20.3 0 3 - Fair Re	etain
53 246 1024059130 Populus balsamifera Black cottonwood 22 0 3 - Fair Re	etain
54 3807 1024059130 Alnus rubra Red alder 12 8 3 - Fair Red	move
55         3770         1024059130         Acer macrophyllum         Bigleaf maple         40         15         15         3 - Fair         Ref	etain
56         3805         1024059130         Salix lasiandra         Pacific willow         18         4 - Poor         Re	move
57     3803     1024059130     Alnus rubra     Red alder     8.4     8.2     4 - Poor     Red	move
58         3804         1024059130         Salix lasiandra         Pacific willow         13         3 - Fair         Re	move
59         3808         1024059130         Acer macrophyllum         Bigleaf maple         23         14         8         3 - Fair         Recent	move
60         3809         1024059130         Acer macrophyllum         Bigleaf maple         13.5         13.5         3 - Fair         Res	move
	move
62         3814         1024059130         Acer macrophyllum         Bigleaf maple         24         20         12.8         12         3 - Fair         Re	move
	move
64 3821 1024059130 Salix lasiandra Pacific willow 9 4 - Poor Re	etain

65	3810	1024059130	Acer macrophyllum	Bigleaf maple	15					3 - Fair	Remove
66	3813	1024059130	Acer macrophyllum	Bigleaf maple	17.3					3 - Fair	Remove
67	3811	1024059130	Acer macrophyllum	Bigleaf maple	21					3 - Fair	Remove
68	3817	1024059130	Thuja plicata	Western red cedar	24					3 - Fair	Remove
69	3818	1024059130	Thuja plicata	Western red cedar	32.4					3 - Fair	Remove
70	3826	1024059130	Thuja plicata	Western red cedar	8.7	5				3 - Fair	Remove
71	3819	1024059130	Thuja plicata	Western red cedar	9					3 - Fair	Remove
72	3826	1024059130	Malus domestica	Apple	11					3 - Fair	Remove
73	3747	1024059130	Alnus rubra	Red alder	11.7					3 - Fair	Retain
74	3748	1024059130	Alnus rubra	Red alder	14.7					4 - Poor	Retain
75	3757	1024059130	Alnus rubra	Red alder	29.7					4 - Poor	Retain
76	3764	1024059130	Acer macrophyllum	Bigleaf maple	16					4 - Poor	Retain
77	3763	1024059130	Acer macrophyllum	Bigleaf maple	23					4 - Poor	Retain
78	3767	1024059130	Acer macrophyllum	Bigleaf maple	24					3 - Fair	Retain
79	3769	1024059130	Acer macrophyllum	Bigleaf maple	24	15	15			4 - Poor	Retain
80	3768	1024059130	Acer macrophyllum	Bigleaf maple	15					4 - Poor	Retain
81	3753	1024059130	Alnus rubra	Red alder	16	9	8			3 - Fair	Retain
82	3754	1024059130	Alnus rubra	Red alder	13	11	9			4 - Poor	Retain
83	3755	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
84	3756	1024059130	Alnus rubra	Red alder	20					4 - Poor	Retain
85	3752	1024059130	Alnus rubra	Red alder	10	5				4 - Poor	Retain
86	3751	1024059130	Alnus rubra	Red alder	10.6					3 - Fair	Retain
87	3750	1024059130	Alnus rubra	Red alder	11.6					4 - Poor	Retain
88	3749	1024059130	Alnus rubra	Red alder	8					4 - Poor	Retain
89	3730	1024059130	Alnus rubra	Red alder	24					4 - Poor	Retain
90	3729	1024059130	Alnus rubra	Red alder	22					4 - Poor	Retain
91	3759	1024059130	Alnus rubra	Red alder	16.5					4 - Poor	Retain
92	3758	1024059130	Alnus rubra	Red alder	16.5					4 - Poor	Retain
93	3746	1024059130	Alnus rubra	Red alder	12	12	10	9	8	4 - Poor	Retain
94	3745	1024059130	Alnus rubra	Red alder	9					3 - Fair	Retain
95	3743	1024059130	Alnus rubra	Red alder	18	10	10			4 - Poor	Retain
96	3742	1024059130	Salix sitchensis	Sitka willow	10					3 - Fair	Retain
97	3741	1024059130	Alnus rubra	Red alder	20	9				4 - Poor	Retain

9495.0095.0095.0096.0096.0096.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097.0097	98	3740	1024059130	Acer macrophyllum	Bigleaf maple	12	12	11			3 - Fair	Retain
nin         nin <td>99</td> <td>3738</td> <td>1024059130</td> <td>Acer macrophyllum</td> <td>Bigleaf maple</td> <td>18</td> <td>18</td> <td>11</td> <td></td> <td></td> <td>3 - Fair</td> <td>Retain</td>	99	3738	1024059130	Acer macrophyllum	Bigleaf maple	18	18	11			3 - Fair	Retain
10       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       1/14       <	100	3737	1024059130	Alnus rubra	Red alder	11.5					3 - Fair	Retain
Alt       Alt devices       Alt devics       Alt devices <t< td=""><td>101</td><td>3739</td><td>1024059130</td><td>Alnus rubra</td><td>Red alder</td><td>9</td><td></td><td></td><td></td><td></td><td>3 - Fair</td><td>Retain</td></t<>	101	3739	1024059130	Alnus rubra	Red alder	9					3 - Fair	Retain
1415.0AkkoustableAkkoustableAkkoustableAkkoustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuustableAkkuu	102	3731	1024059130	Acer macrophyllum	Bigleaf maple	26	14				4 - Poor	Retain
14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14 <t< td=""><td>103</td><td>3735</td><td>1024059130</td><td>Alnus rubra</td><td>Red alder</td><td>8</td><td></td><td></td><td></td><td></td><td>3 - Fair</td><td>Retain</td></t<>	103	3735	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
Index       Index <th< td=""><td>104</td><td>3734</td><td>1024059130</td><td>Alnus rubra</td><td>Red alder</td><td>11</td><td></td><td></td><td></td><td></td><td>4 - Poor</td><td>Retain</td></th<>	104	3734	1024059130	Alnus rubra	Red alder	11					4 - Poor	Retain
11       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12 <th12< th="">       12       12       <th< td=""><td>105</td><td>3698</td><td>1024059130</td><td>Acer macrophyllum</td><td>Bigleaf maple</td><td>16.5</td><td>15</td><td>10</td><td>8</td><td>8</td><td>3 - Fair</td><td>Retain</td></th<></th12<>	105	3698	1024059130	Acer macrophyllum	Bigleaf maple	16.5	15	10	8	8	3 - Fair	Retain
101 $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $101$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $1010$ $10100$ $10100$ $10100$ $10100$ $10100$ $10100$ $10100$ $10100$ $10100$ $10100$ $10100$ $10100$ $10100$ $101000$ $1010000$ $1010000000000000000000000000000000000$	106	3732	1024059130	Alnus rubra	Red alder	13					4 - Poor	Retain
10         3/3         100000500         Primus energy and solutions of the series of the s	107	161	7856420060	Pseudotsuga menziesii	Douglas-fir	11.3					3 - Fair	Remove
100 $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ <th< td=""><td>108</td><td>3825</td><td>1024059130</td><td>Crataegus monogyna</td><td>Common hawthorn</td><td>9</td><td></td><td></td><td></td><td></td><td>3 - Fair</td><td>Remove</td></th<>	108	3825	1024059130	Crataegus monogyna	Common hawthorn	9					3 - Fair	Remove
10       8/7       124/05/30       Arr macrophylum       liger maple       10       14       12       12       3 - Rei       Reinove         112       383       120.05/30       Arr macrophylum       liger maple       20       15       -       -       -       -       -       Reinove         113       383       120.05/30       Arr macrophylum       Biger maple       20       10       -       -       -       -       Reinove         114       382       120.05/30       Arr macrophylum       Biger maple       20       10       -       -       -       -       Reinove         115       383       120.05/30       Arr macrophylum       Biger maple       21 $32$ $12$ $30$ $4$ -Root       Reinove         115       383       120.05/30       Arr macrophylum       Biger maple $12$ $32$ $12$ $32$ $12$ $4$ -Root       Reinove         116       383       120.05/30       Arr macrophylum       Biger maple $13$ $12$ $12$ $3$ -Root       Reinove         116       383       120.05/30       Arr macrophylum       Reidaler $13$ $1$	109	3823	1024059130	Prunus emarginata	Bitter cherry	9.2					4 - Poor	Retain
1112131313131313141314141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414141414 <td>110</td> <td>3827</td> <td>1024059130</td> <td>Acer macrophyllum</td> <td>Bigleaf maple</td> <td>20.5</td> <td></td> <td></td> <td></td> <td></td> <td>4 - Poor</td> <td>Remove</td>	110	3827	1024059130	Acer macrophyllum	Bigleaf maple	20.5					4 - Poor	Remove
112       384       124/09130       Acr macrophyllum       Bigler maple       24       13       13       14 root       Remove         113       383       102409130       Acr macrophyllum       Bigler maple       24       0       -       -       -       Remove         114       383       102409130       Acr macrophyllum       Bigler maple       24       9       -       -       -       Remove         115       383       102409130       Acr macrophyllum       Bigler maple       21       31       12       12       10       4.Poor       Remove         116       380       102409130       Acr macrophyllum       Bigler maple       17       13       12       12       10       4.Poor       Remove         117       389       102409130       Ans rubra       Red afer       13       -       12       3.Pair       Red afer       16       -       3.Pair       Red afer       16       -       3.Pair       Red afer       16       -       -       3.Pair       Red afer       16       -       -       -       -       -       -       -       -       -       -       -       -       -       -	111	3828	1024059130	Acer macrophyllum	Bigleaf maple	18	16	14	12	12	3 - Fair	Remove
113       3833       Lockesside       124       10       15       15       16       16       17       16       1024059130       Aer macrophyllum       Bigled maple       2       4       9       4       40       84       40       84       9       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90       4       90 </td <td>112</td> <td>3834</td> <td>1024059130</td> <td>Acer macrophyllum</td> <td>Bigleaf maple</td> <td>20</td> <td>15</td> <td></td> <td></td> <td></td> <td>4 - Poor</td> <td>Remove</td>	112	3834	1024059130	Acer macrophyllum	Bigleaf maple	20	15				4 - Poor	Remove
114 $333$ $102405310$ Acr macrophyllumBiglef maple $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ <t< td=""><td>113</td><td>3833</td><td>1024059130</td><td>Acer macrophyllum</td><td>Bigleaf maple</td><td>24</td><td>10</td><td></td><td></td><td></td><td>3 - Fair</td><td>Remove</td></t<>	113	3833	1024059130	Acer macrophyllum	Bigleaf maple	24	10				3 - Fair	Remove
1.133.811.0x 0/9 1.00Arr macrophyllumBiglef maple1.4911.21.21.04.PoorRemove1.173.8291024059130Acer macrophyllumBiglef maple1.7.53.FairRemove1.183.7191024059130Anus rubraRed alder1.333.FairRetain1.193.7201024059130Anus rubraRed alder1.333.FairRetain1.193.7201024059130Anus rubraRed alder1.34.Poor4.PoorRetain1.203.7211024059130Anus rubraRed alder1.04.Poor4.PoorRetain1.213.7221024059130Anus rubraRed alder1.13.FairRetain1.223.7231024059130Anus rubraRed alder1.13.FairRetain1.223.7241024059130Anus rubraRed alder1.13.FairRetain1.233.7241024059130Anus rubraRed alder20.74.PoorAretain1.243.751024059130Anus rubraRed alder3.64.PoorAretain1.253.781024059130Anus rubraRed alder3.64.PoorAretain1.263.711024059130Anus rubraRed alder3.64.PoorAretain1.263.711024059130Anus rubraRed alder3.64.PoorAretain1.273.70	114	3832	1024059130	Acer macrophyllum	Bigleaf maple	22					4 - Poor	Remove
116       380       102405130       Acer macrophyllum       Bigleaf maple       17.5       12       12       10       4roor       Remove         117       3829       1024059130       Acer macrophyllum       Bigleaf maple       17.5       3 Fair       Remove         118       37.9       1024059130       Anus rubra       Red alder       13       3       3       3 Fair       Retain         119       37.0       1024059130       Anus rubra       Red alder       13       3       4 Poor       Retain         120       37.1       1024059130       Anus rubra       Red alder       10       4 Poor       Retain         121       37.2       1024059130       Anus rubra       Red alder       10       4 Poor       Retain         122       37.3       1024059130       Anus rubra       Red alder       10       4 Poor       Retain         123       37.4       1024059130       Anus rubra       Red alder       20.7       4 Poor       Retain         124       37.2       1024059130       Anus rubra       Red alder       3.       4 Poor       Retain         125       37.8       1024059130       Anus rubra       Re	115	3831	1024059130	Acer macrophyllum	Bigleaf maple	24	9				4 - Poor	Remove
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120     3720     1024059130     Alnus rubra     Red alder     9     7     3 - Fair     Retain	127	3700	1024059130	Alnus rubra	Red alder	13.3					4 - Poor	Retain
129 3/26 1024059130 9 / 3 - Fair Retain	128	3728	1024059130	Alnus rubra	Red alder	11					3 - Fair	Retain
130         3727         1024059130         Alnus rubra         Red alder         8         3 - Fair         Retain	129	3726	1024059130			9	7				3 - Fair	Retain
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1111972003010Max alorNotoring1911100010000010Max alorNotoring10000010100000001000000010000000100000001000000010000000100000001000000010000000100000001000000010000000100000001000000001000000001000000001000000000000000000000000000000000000	131	3699	1024059130	Alnus rubra	Red alder	16.7					3 - Fair	Retain
13         13         14         13         14         14         14         14         14         14         14         14         14         14         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         14         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15	132	3697	1024059130	Alnus rubra	Red alder	14					4 - Poor	Retain
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1.10       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20       1.20	134	3695	1024059130	Alnus rubra	Red alder	11					3 - Fair	Retain
1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1	135	160	7856640010	Thuja plicata	Western red cedar	22					2 - Good	Remove
113       113       113       113       113       113       113       113       113       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114 <th1< td=""><td>136</td><td>148</td><td>2206500400</td><td>Pinus sylvestris</td><td>Scots pine</td><td>11</td><td></td><td></td><td></td><td></td><td>4 - Poor</td><td>Remove</td></th1<>	136	148	2206500400	Pinus sylvestris	Scots pine	11					4 - Poor	Remove
13         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         12         13         12         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         13         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14 <th14< th="">         14         14         14&lt;</th14<>	137	145	8135300020	Quercus sp.	Oak	10.8					3 - Fair	Remove
1.53         1.633         1.0400-120         Arr marcedphylum         Biget maple         2.4         1.6         1.5         1.2         3.4 Arr         Bitter markedphylum         Biget maple         8.6         2.4         1.0         1.0         1.6 arr         Bitter markedphylum         Biget maple         8.6         2.4         1.0         1.0         1.6 arr         Bitter markedphylum         Bitter markedphylum </td <td>138</td> <td>151</td> <td>2206500400</td> <td>Prunus domestica</td> <td>Plum</td> <td>13.5</td> <td></td> <td></td> <td></td> <td></td> <td>4 - Poor</td> <td>Remove</td>	138	151	2206500400	Prunus domestica	Plum	13.5					4 - Poor	Remove
14       16       13       13       12       14       16       15       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       17       18       17       17       18       17       18       17       18       17       18       17       18       17       18       17       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18       18 <th18< th="">       18       18       <th< td=""><td>139</td><td>3835</td><td>1024059130</td><td>Acer macrophyllum</td><td>Bigleaf maple</td><td>30</td><td></td><td></td><td></td><td></td><td>4 - Poor</td><td>Remove</td></th<></th18<>	139	3835	1024059130	Acer macrophyllum	Bigleaf maple	30					4 - Poor	Remove
14       357       10       10       3 - 14       Methods         142       566       81330000       Tulp plicit       Western decker $12$ $4$ -Peor       Renove         143       477       20050000       Peurid Stugge methods       Douglos fr $12$ $4$ -Peor       Renove         144       133       81330000       Peurid Stugge methods       Douglos fr $10$ $2$ $3$ - Fair       Renove         145       132       81330000       Peurid Stugge methods       Douglos fr $10$ $2$ $3$ - Fair       Renove         146       338       124693130       Acr macrophylum       Biglar majol $2$ $3$ - Fair       Renove         147       383       1204693130       Acr macrophylum       Biglar majol $2$ $2$ $3$ - Fair       Renove         148       131       0.20459310       Anna rubra       Rel affer $2$ $2$ $3$ - Fair       Renove         150       383       120409310       Anna rubra       Rel affer $2$ $2$ $3$ - Fair       Renove         151       387       120409310       Anna rubra       Rel affer $1$	140	3836	1024059130	Acer macrophyllum	Bigleaf maple	24	16	15	15	12	3 - Fair	Remove
12       12       12       12       14       14       14       14       14       14       14       14       12       14       12       14       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16 <t< td=""><td>141</td><td>3837</td><td>1024059130</td><td>Acer macrophyllum</td><td>Bigleaf maple</td><td>36</td><td>36</td><td>24</td><td>10</td><td>10</td><td>3 - Fair</td><td>Remove</td></t<>	141	3837	1024059130	Acer macrophyllum	Bigleaf maple	36	36	24	10	10	3 - Fair	Remove
147       220050000       Peudotage mentalesi       Douglas fir       12.2       31.5 $31.750000$ $31.7500000$ Remove         148       132       813530002       Peudotage mentalesi       Douglas fir $0.9$ $3.7500000$ $3.75000000000000000000000000000000000000$	142	146	8135300020	Thuja plicata	Western red cedar	12					4 - Poor	Remove
14       13       8 is succe       12       6 is state       6 is the definition         145       132       81350000       Peudotage menticeii       Boglas-fir       10.9       3.5 fair       Remove         146       9380       1024059130       Acer macrophyllum       Biglef maple       36 $3c$ 3.5 fair       Remove         147       9390       1024059130       Acer macrophyllum       Biglef maple       24 $2o$ 3.5 fair       Remove         148       18       1024059120       Peudotage menticeii       Douglas-fir $11.4$ 4.7 boor       Remove         149       131       813500020       Peudotage menticeii       Douglas-fir $12.9$ 3.5 fair       Remove         150       852       1024059130       Alms rubra       Rel difer $9$ $8$ $7$ $3.5 fair       Remove         151       352       1024059130       Alms rubra       Rel difer       9 8 7 3.5 fair       Remove         152       351       1024059130       Alms rubra       Rel difer       12 12 3.5 fair       Remove         153       3847       1024059130       Al$	143	147	2206500400	Pinus sylvestris	Scots pine	13.2					4 - Poor	Remove
118       122       6.3 state       119       5.4 raf       Henore         146       838.       1024059130       Acr macrophyllum       Biglet maple       36       36       3.7 rafr       Remove         146       838.       1024059130       Acr macrophyllum       Biglet maple       36       36       3.7 rafr       Remove         148       18       1024059130       Acr macrophyllum       Biglet maple       20       3.7 rafr       Remove         148       18       024059130       Acr macrophyllum       Biglet maple       20       3.7 rafr       Remove         149       131       013300020       Pseudotsuga mentelsi       Douglas-fir       1.2 s       3.7 rafr       Remove         150       3852       1024059130       Almus rubra       Red alder       9       8       7       3.7 rafr       Remove         153       3850       1024059130       Almus rubra       Red alder       12       -       3.7 rafr       Remove         154       3849       1024059130       Almus rubra       Red alder       12       -       3.7 rafr       Remove         155       3847       1024059130       Almus rubra       Red alder       13.5	144	133	8135300020	Pseudotsuga menziesii	Douglas-fir	12					3 - Fair	Remove
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147 $359$ $1024059123$ Pseudotsuga menziesiDuglas-fir $11.4$ $10$ $4$ - PoorRenove $148$ $131$ $81330002$ Pseudotsuga menziesiDuglas-fir $12.9$ $3$ - FairRenove $149$ $131$ $81330002$ Pseudotsuga menziesiDuglas-fir $12.9$ $3$ - FairRenove $150$ $3853$ $1024059130$ Alnus rubraRed alder $9$ $8$ $7$ $3$ - FairRenove $151$ $3852$ $1024059130$ Alnus rubraRed alder $9$ $8$ $7$ $3$ - FairRenove $152$ $3851$ $1024059130$ Alnus rubraRed alder $9$ $8$ $7$ $3$ - FairRenove $153$ $3850$ $1024059130$ Alnus rubraRed alder $9$ $8$ $7$ $3$ - FairRenove $154$ $3849$ $1024059130$ Alnus rubraRed alder $9$ $8$ $7$ $3$ - FairRenove $154$ $3849$ $1024059130$ Alnus rubraRed alder $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ $14$ <td>146</td> <td>3838</td> <td>1024059130</td> <td>Acer macrophyllum</td> <td>Bigleaf maple</td> <td>36</td> <td>36</td> <td></td> <td></td> <td></td> <td>3 - Fair</td> <td>Remove</td>	146	3838	1024059130	Acer macrophyllum	Bigleaf maple	36	36				3 - Fair	Remove
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13956421024059130Alnus rubraRed alder83 - FairRemove16038411024059130Pseudotsuga menziesiiDouglas-fir144 - PoorRemove161191024059123Pseudotsuga menziesiiDouglas-fir144 - PoorRemove	155 156	3849 3847 3846	1024059130 1024059130 1024059130	Alnus rubra Alnus rubra Alnus rubra	Red alder Red alder Red alder Red alder	9 12 14 10.5	8 14				3 - Fair 3 - Fair 3 - Fair 3 - Fair	Remove Remove Remove Remove
160     3841     1024059130     8     3 - Fair     Remove       161     19     1024059123     Pseudotsuga menziesii     Douglas-fir     14     4 - Poor     Remove	155 156 157	3849 3847 3846 3845	1024059130 1024059130 1024059130 1024059130	Alnus rubra Alnus rubra Alnus rubra Alnus rubra	Red alder Red alder Red alder Red alder Red alder	9 12 14 10.5 15	8 14				3 - Fair 3 - Fair 3 - Fair 3 - Fair 3 - Fair	Remove Remove Remove Remove Remove
	155 156 157 158	3849 3847 3846 3845 3843	1024059130 1024059130 1024059130 1024059130 1024059130	Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra	Red alder Red alder Red alder Red alder Red alder Red alder Red alder	9 12 14 10.5 15 12	8 14				3 - Fair 3 - Fair 3 - Fair 3 - Fair 3 - Fair 3 - Fair	Remove Remove Remove Remove Remove Remove
162 20 1024059123 Pseudotsuga menziesii Douglas-fir 13.2 4 - Poor Remove	155 156 157 158 159	3849 3847 3846 3845 3843 3843 3842	1024059130 1024059130 1024059130 1024059130 1024059130 1024059130	Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra	Red alder Red alder Red alder Red alder Red alder Red alder Red alder Red alder	9 12 14 10.5 15 12 14	8 14				3 - Fair 3 - Fair	Remove Remove Remove Remove Remove Remove Remove
	155 156 157 158 159 160	3849 3847 3846 3845 3843 3843 3842 3841	1024059130 1024059130 1024059130 1024059130 1024059130 1024059130 1024059130	Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra Pseudotsuga menziesii	Red alder Red alder Red alder Red alder Red alder Red alder Red alder Red alder Douglas-fir	9 12 14 10.5 15 12 14 8	8 14				3 - Fair 3 - Fair	Remove Remove Remove Remove Remove Remove Remove Remove
163         21         1024059123         Pseudotsuga menziesii         Douglas-fir         16.1         4 - Poor         Remove	155 156 157 158 159 160 161	3849 3847 3846 3845 3843 3842 3842 3841 19	1024059130 1024059130 1024059130 1024059130 1024059130 1024059130 1024059130 1024059130	Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra Alnus rubra Pseudotsuga menziesii Pseudotsuga menziesii	Red alder Red alder Red alder Red alder Red alder Red alder Red alder Red alder Douglas-fir	9 12 14 10.5 15 12 14 8 14	8 14				3 - Fair 3 - Fair 4 - Poor	Remove       Remove

164	22	1024059123	Pseudotsuga menziesii	Douglas-fir	14.1				4 - Poor	Remove
165	23	1024059123	Pseudotsuga menziesii	Douglas-fir	14				4 - Poor	Remove
166	24	1024059123	Pseudotsuga menziesii	Douglas-fir	20.5				4 - Poor	Remove
167	3840	1024059130	Alnus rubra	Red alder	12	10	8		3 - Fair	Remove
168	3716	1024059130	Alnus rubra	Red alder	15				3 - Fair	Retain
169	3715	1024059130	Salix lasiandra	Pacific willow	12	12	12		3 - Fair	Retain
170	3714	1024059130	Alnus rubra	Red alder	16				3 - Fair	Retain
171	3713	1024059130	Alnus rubra	Red alder	9	8	8	7	3 - Fair	Retain
172	3712	1024059130	Alnus rubra	Red alder	9				4 - Poor	Retain
173	3710	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
174	3711	1024059130	Alnus rubra	Red alder	8				3 - Fair	Retain
175	3708	1024059130	Alnus rubra	Red alder	11				4 - Poor	Retain
176	3704	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
177	3705	1024059130	Alnus rubra	Red alder	10				3 - Fair	Retain
178	3706	1024059130	Alnus rubra	Red alder	12.4				4 - Poor	Retain
179	3707	1024059130	Alnus rubra	Red alder	12				3 - Fair	Retain
180	3709	1024059130	Alnus rubra	Red alder	8				4 - Poor	Retain
181	3703	1024059130	Alnus rubra	Red alder	15				3 - Fair	Retain
182	3702	1024059130	Alnus rubra	Red alder	13				3 - Fair	Retain
183	3701	1024059130	Alnus rubra	Red alder	8				4 - Poor	Retain
184	1954	324059066	Alnus rubra	Red alder	12.4				2 - Good	Retain
185	3694	1024059130	Alnus rubra	Red alder	18.3	8.7			3 - Fair	Retain
186	3396	1024059130	Salix lasiandra	Pacific willow	12				3 - Fair	Retain
187	3395	1024059130	Salix lasiandra	Pacific willow	12	10	6		3 - Fair	Retain
188	3393	1024059130	Alnus rubra	Red alder	10.8				3 - Fair	Retain
189	3398	1024059130	Alnus rubra	Red alder	10				3 - Fair	Retain
190	3397	1024059130	Alnus rubra	Red alder	8				3 - Fair	Retain
191	3394	1024059130	Salix lasiandra	Pacific willow	8				3 - Fair	Retain
192	3401	1024059130	Acer macrophyllum	Bigleaf maple	15.8				3 - Fair	Retain
193	3854	1024059130	Alnus rubra	Red alder	9				3 - Fair	Remove
194	3392	1024059130	Alnus rubra	Red alder	10	10	9	6	3 - Fair	Retain
195	3391	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
196	3389	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain

197	3384	1024059130	Alnus rubra	Red alder	10	9	7	5		3 - Fair	Retain
198	3383	1024059130	Acer macrophyllum	Bigleaf maple	10					3 - Fair	Retain
199	3380	1024059130	Alnus rubra	Red alder	9	9	7			4 - Poor	Retain
200	3378	1024059130	Alnus rubra	Red alder	11	9				3 - Fair	Retain
201	3377	1024059130	Alnus rubra	Red alder	9					3 - Fair	Retain
202	3376	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
203	3369	1024059130	Alnus rubra	Red alder	10	10	9	6		3 - Fair	Retain
204	3375	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
205	3374	1024059130	Salix lasiandra	Pacific willow	12					3 - Fair	Retain
206	3373	1024059130	Alnus rubra	Red alder	13					3 - Fair	Retain
207	3388	1024059130	Alnus rubra	Red alder	9.5					4 - Poor	Retain
208	3379	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
209	3386	1024059130	Alnus rubra	Red alder	9.5					3 - Fair	Retain
210	3385	1024059130	Alnus rubra	Red alder	9.5					3 - Fair	Retain
211	3400	1024059130	Alnus rubra	Red alder	8.5					4 - Poor	Retain
212	3856	1024059130	Alnus rubra	Red alder	8					3 - Fair	Remove
213	3855	1024059130	Alnus rubra	Red alder	12	8	5	5		3 - Fair	Remove
214	3857	1024059130	Alnus rubra	Red alder	14					3 - Fair	Remove
215	3858	1024059130	Acer macrophyllum	Bigleaf maple	8				:	2 - Good	Remove
216	25	1024059123	Acer macrophyllum	Bigleaf maple	13.4					3 - Fair	Remove
217	3859	1024059130	Alnus rubra	Red alder	9					3 - Fair	Remove
218	3860	1024059130	Alnus rubra	Red alder	10					3 - Fair	Remove
219	111	1024059123	Alnus rubra	Red alder	8.5					4 - Poor	Retain
220	110	1024059123	Populus balsamifera	Black cottonwood	9					4 - Poor	Retain
221	115	1024059123	Acer rubrum	Red maple	13.7					2 - Good	Remove
222	116	2206500435	Acer palmatum	Japanese maple	8.5					2 - Good	Retain
223	117	2206500435	Prunus avium	Sweet cherry	9.1					3 - Fair	Remove
224	3861	1024059130	Alnus rubra	Red alder	10	8				3 - Fair	Remove
225	27	3425059010	×Hesperotropsis leylandii	Leyland cypress	8.3					2 - Good	Remove
226	3864	1024059130	Alnus rubra	Red alder	18					3 - Fair	Remove
227	3863	1024059130	Acer macrophyllum	Bigleaf maple	8					3 - Fair	Remove
228	3862	1024059130	Alnus rubra	Red alder	16.5	7				3 - Fair	Remove
229	3876	1024059130	Alnus rubra	Red alder	12.5					3 - Fair	Remove

230	3878	1024059130	Alnus rubra	Red alder	8			3 - Fair	Remove
231	3879	1024059130	Alnus rubra	Red alder	14			3 - Fair	Remove
232	3880	1024059130	Acer macrophyllum	Bigleaf maple	9.5	5.5		3 - Fair	Remove
233	3877	1024059130	Acer macrophyllum	Bigleaf maple	10			3 - Fair	Remove
234	3368	1024059130	Alnus rubra	Red alder	11	7		3 - Fair	Retain
235	3367	1024059130	Alnus rubra	Red alder	9	7		3 - Fair	Retain
236	3366	1024059130	Alnus rubra	Red alder	11			3 - Fair	Retain
237	3365	1024059130	Alnus rubra	Red alder	14.9			3 - Fair	Retain
238	3364	1024059130	Alnus rubra	Red alder	10			3 - Fair	Retain
239	3362	1024059130	Alnus rubra	Red alder	8			3 - Fair	Retain
240	3361	1024059130	Alnus rubra	Red alder	9	8	7	3 - Fair	Retain
241	3358	1024059130	Alnus rubra	Red alder	16.5			3 - Fair	Retain
242	3372	1024059130	Alnus rubra	Red alder	12	10	6	3 - Fair	Retain
243	3371	1024059130	Alnus rubra	Red alder	11.3			4 - Poor	Retain
244	3360	1024059130	Alnus rubra	Red alder	11.6			3 - Fair	Retain
245	3359	1024059130	Alnus rubra	Red alder	17.8			4 - Poor	Retain
246	3363	1024059130	Alnus rubra	Red alder	12.2			3 - Fair	Retain
247	124	1024059123	Acer rubrum	Red maple	15.5			2 - Good	Remove
248	29	3425059010	×Hesperotropsis leylandii	Leyland cypress	12.3			2 - Good	Remove
249	62	2225059272	Prunus cerasifera	Flowering plum	9.5			2 - Good	Retain
250	2590	1024059101	Arbutus menziesii	Pacific madrone	17.3			2 - Good	Remove
251	2591	1024059101	Arbutus menziesii	Pacific madrone	11.7			3 - Fair	Remove
252	2595	8135300020	Prunus serrulata	Japanese flowering cherry	8.3			4 - Poor	Remove
253	2596	8135300020	Quercus sp.	Oak	10.8			3 - Fair	Remove
254	2597	8135300020	Thuja plicata	Western red cedar	12			4 - Poor	Remove
255	2602	8135300020	Fraxinus sp.	Ash species	8			2 - Good	Remove
256	2601	8135300020	Pseudotsuga menziesii	Douglas-fir	12.9			3 - Fair	Remove
257	2600	8135300020	Pseudotsuga menziesii	Douglas-fir	10.9			3 - Fair	Remove
258	2599	8135300020	Pseudotsuga menziesii	Douglas-fir	12			3 - Fair	Remove
259	2497	1024059123	Pinus sylvestris	Scots pine	13.1			3 - Fair	Remove
260	2494	1024059123	Thuja occidentalis	Eastern arborvitae	8.3			3 - Fair	Remove
261	2495	1024059123	Thuja plicata	Western red cedar	11.6			4 - Poor	Remove
262	2532	1024059123	Acer rubrum	Red maple	13.7			2 - Good	Remove

263	2530	1024059123	Alnus rubra	Red alder	8.5	4 - Poor	Remove
264	2505	1024059123	Pinus sylvestris	Scots pine	9.5	3 - Fair	Remove
265	2501	1024059123	Pinus sylvestris	Scots pine	9.2	4 - Poor	Remove
266	2535	1024059123	Acer rubrum	Red maple	15.5	2 - Good	Remove
267	2507	1024059123	Thuja plicata	Western red cedar	8	4 - Poor	Remove
268	2506	1024059123	Pinus sylvestris	Scots pine	9.4	4 - Poor	Remove
269	2515	1024059123	Pseudotsuga menziesii	Douglas-fir	16.1	4 - Poor	Remove
270	2510	1024059123	Pseudotsuga menziesii	Douglas-fir	10	3 - Fair	Remove
271	2512	1024059123	Pseudotsuga menziesii	Douglas-fir	11.4	4 - Poor	Remove
272	2511	1024059123	Pseudotsuga menziesii	Douglas-fir	10	4 - Poor	Remove
273	2513	1024059123	Pseudotsuga menziesii	Douglas-fir	14	4 - Poor	Remove
274	2514	1024059123	Pseudotsuga menziesii	Douglas-fir	13.2	4 - Poor	Remove
275	2546	2206500020	Arbutus menziesii	Pacific madrone	18.7	2 - Good	Remove
276	2545	2206500020	Abies grandis	Grand fir	12.1	4 - Poor	Remove
277	2516	1024059123	Pseudotsuga menziesii	Douglas-fir	14.1	4 - Poor	Remove
278	2520	1024059123	Acer macrophyllum	Bigleaf maple	13.4	3 - Fair	Remove
279	2544	2206500020	Pinus nigra	Austrian pine	8.5	4 - Poor	Remove
280	2541	2206500025	Pseudotsuga menziesii	Douglas-fir	20.6	2 - Good	Retain
281	2543	2206500020	Thuja plicata	Western red cedar	13	4 - Poor	Remove
282	2540	2206500025	Pseudotsuga menziesii	Douglas-fir	31.8	2 - Good	Remove
283	2538	2206500025	Acer macrophyllum	Bigleaf maple	10.5	3 - Fair	Remove
284	2542	2206500020	Pseudotsuga menziesii	Douglas-fir	12.3	4 - Poor	Remove
285	2548	2206500220	Malus domestica	Apple	12	3 - Fair	Retain
286	2558	2206500230	Prunus domestica	Plum	14.6	3 - Fair	Remove
287	2587	2206500255	Acer platanoides	Norway maple	18	2 - Good	Remove
288	2574	2206500435	Platanus occidentalis	American sycamore	18	2 - Good	Remove
289	2573	2206500435	Magnolia stellata	Star magnolia	12.4	3 - Fair	Remove
290	2575	2206500435	Platanus occidentalis	American sycamore	13	2 - Good	Remove
291	2576	2206500435	Platanus occidentalis	American sycamore	22.1	2 - Good	Remove
292	2577	2206500435	Acer palmatum	Japanese maple	8.5	2 - Good	Retain
293	2578	2206500435	Prunus avium	Sweet cherry	9.1	3 - Fair	Remove
294	2579	2206500435	Prunus domestica	Plum	12	4 - Poor	Remove
295	2603	2206500425	Prunus avium	Sweet cherry	15.6	3 - Fair	Remove

909109240000Prova sketter9400009400000940000094000009400000940000094000009400000940000094000009400000094000000940000000940000000940000000009400000000094000000000094000000000009400000000000000094000000000000000000000000000000000000	296	2586	2206500435	Prunus domestica	Plum	8.2	3 - Fair	Retain
1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	297	2610	2206500420	Prunus avium	Sweet cherry	8.3	2 - Good	Remove
$1/10$ $1/10^{10}$ $1/10^{10}$ $1/10^{10}$ $1/10^{10}$ $1/10^{10}$ $1/10^{10}$ $1/10^{10}$ $1/20$ $223^{10}$ $1/200^{10}$ $Naccord/01$	298	2608	2206500425	Prunus avium	Sweet cherry	9.1	3 - Fair	Remove
100       1.5.0       2.1000000       Ref marge from right may       1.6.1       Marked       1.5.1       Marked         101       5.10       2.000000       Are marge from right may       0.6       3.1 Air       Marked         102       5.17       2.0000000       Are marge from right may       0.6       3.1 Air       Marked         103       5.10       1.000000       Are marge from right may       0.6       3.1 Air       Marked         104       5.21       1.0000000       Are marked       Marked       0.2       0.2 Good       Marked         105       5.21       1.0000000       Marked from row of the marked       9       0.1 Air Marked       Marked         106       5.21       1.0000000       Marked from row of the marked       9       0.1 Air Marked       Marked         105       5.41       1.0000000       Marked from row of the marked       1.0       1.0       Marked         106       5.42       1.000000       Marked from row of the marked       1.0       Marked       1.0       Marked         107       5.43       1.000000       Marked from row of the marked       1.0       Marked       1.0       Marked         108       6.40       1.0000000<	299	2611	2206500420	Prunus avium	Sweet cherry	28	3 - Fair	Remove
11       1.1.3       1.1.3       1.1.4       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1.1.4.3       1	300	2620	2206500390	Sequoia sempervirens	Redwood	38	4 - Poor	Remove
All       Allow       Allow       Allow       Allow       Allow       Allow       Allow       Allow         100       255       10.000012       Arrohum       Met angle       1.7       2.600       Arrohum       Arrohum         101       251       10.000112       Poolus blander       Met cellsow       9       Arrohum       Arrohum       Arrohum       Poolus blander       Poolus blander       Poolus blander       Poolus blander       Arrohum       Poolus blander	301	2538	2206500025	Acer macrophyllum	Bigleaf maple	10.5	3 - Fair	Remove
100       133       100000000000       10000000000       10000000000       10000000000000000       1000000000000000000000000000000000000	302	2617	2206500415	Prunus serrulata	Japanese flowering cherry	10.4	3 - Fair	Retain
a  a  a  a  a  a  a  a  a  a  a  a  a	303	2535	1024059123	Acer rubrum	Red maple	15.5	2 - Good	Remove
180       231       1 Automatical       Apple       3       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <td>304</td> <td>2532</td> <td>1024059123</td> <td>Acer rubrum</td> <td>Red maple</td> <td>13.7</td> <td>2 - Good</td> <td>Remove</td>	304	2532	1024059123	Acer rubrum	Red maple	13.7	2 - Good	Remove
100       2.14       2.14000410       1.1400041       1.140004       1.140004         107       254       152405005       Olestus palluttis<	305	2531	1024059123	Populus balsamifera	Black cottonwood	9	4 - Poor	Remove
103       133       134       134       134       134       14 work       16 work         108       154       1546/5005       Points struitita       Apales flowering chrry       12       3.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.       8.	306	2618	2206500410	Malus domestica	Apple	8	1 - Excellent	Remove
120 $124$ $124$ $124$ $124$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$ $1140$	307	2654	1524059005	Quercus palustris	Pin oak	15.3	2 - Good	Remove
100       2683       152405005       Pluis 50-2 accelibs       Pluis 10-2 accecelibs       Pluis 10-2 accelibs	308	2662	1524059005	Prunus serrulata	Japanese flowering cherry	12	3 - Fair	Remove
12.5 $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$	309	2663	1524059005	Malus domestica	Apple	8.6	3 - Fair	Retain
311       24/3       122405003       Pinus ponderota       Pinde rota pine       12.8       3 - Pair       Aenove         1312       2676       1524059005       Pinus ponderota       Pine tree, 2 needle       12.3       3 - Pair       Aenove         1313       2678       1524059005       Pinus ponderota       Pine tree, 2 needle       12.3       3 - Pair       Remove         1315       2660       1524059005       Pinus ponderota       Pine tree, 2 needle       10.3       3 - Fair       Remove         1315       2660       1524059005       Pinus ponderota       Douglas-fir       12       3 - Fair       Remove         1316       2682       1524059005       Pinus sp. <2 needle>       Pine tree, 2 needle       10.3       4 - Poor       Remove         1318       2686       1524059005       Pinus sp. <2 needle>       Pine tree, 2 needle       11.8       3 - Fair       Remove         1319       2685       1524059005       Pinus sp. <2 needle>       Pine tree, 2 needle       11.8       4 - Poor       Aenove         1319       2685       152405902       Pine tree, 2 needle       13       13       4 - Poor       Remove         1320       2010       152405902       Pine tree, 2 n	310	2679	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	12.5	3 - Fair	Remove
$120^{\circ}$ $1524055005$ Pite sp. 22 needle       Pite tree, 2 needle $12.3$ $16.4^{\circ}$ $16.4^{\circ}$ $16.4^{\circ}$ $16.4^{\circ}$ $131$ $2678$ $1524055005$ Pite sp. 22 needle $12.3$ $3.6^{\circ}$ $3.6^{\circ}$ $3.6^{\circ}$ $8.000e$ $1315$ $2680$ $1524055005$ Pite sp. 22 needle $10.3$ $4.9eor$ $4.9eor$ $8.000e$ $1316$ $2682$ $1524055005$ Pite tree, 2 needle $10.3$ $4.9eor$ $8.000e$ $1315$ $2680$ $1524055005$ Pite tree, 2 needle $10.3$ $4.9eor$ $8.000e$ $1315$ $2684$ $1524055005$ Pite tree, 2 needle $10.5$ $4.9eor$ $8.000e$ $1318$ $2685$ $1524055005$ Pite tree, 2 needle $11.8$ $6.96$ $4.9eor$ $8.000e$ $1320$ $270^{\circ}$ $1524055005$ Pite tree, 2 needle $11.8$ $6.96$ $4.9eor$ $8.000e$ $1220$ $270^{\circ}$ $152405502$ Pite tree, 2 needle $10.8$ $4.9eor$ $8.000e$ $1220$ $270^{\circ}$ $152405502$	311	2675	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	12.6	3 - Fair	Remove
313287812403003First Price (2 headle)Pine tree, 2 headle12.36 her hore31426831524059005Pinus Sp2 headlePine tree, 2 headle10.3- A Poor- A PoorRemove31526801524059005Pinus Sp2 headleDouglas-fir12- A Poor- A PoorRemove31626821524059005Pinus Sp2 headleDouglas-fir12- A Poor- A PoorRemove31726841524059005Pinus Sp2 headlePine tree, 2 headle10.5- A Poor- A PoorRemove31826851524059005Pinus Sp2 headlePine tree, 2 headle11.8- A Poor- A Poor- Remove31926851524059005Pinus Sp2 headlePine tree, 2 headle11.8- A Poor- A Poor- Remove3192685152405903Pinus Sp2 headlePine tree, 2 headle10.5- A Poor- Remove- Remove3192685152405903Pinus Sp2 headlePine tree, 2 headle10.3- A Poor- Remove- Remove3122710152405903Pinue Sp2 headlePine tree, 2 headle11.3- A Poor- Remove- Remove3122711152405903Pinue Sp2 headlePinue Sp2 headle9.3- A Poor- Remove- Remove3122707152405903Pinue Sp2 headleDouglas-fir9.3- A Poor- Remove- Remove3122708152	312	2676	1524059005	Pinus ponderosa	Ponderosa pine	16.4	4 - Poor	Remove
314263152405003Pinz spo. 2 needle>Pine tree, 2 needle1.0.36.1 move3152680152405003Pinus spo. 2 needle>Pine tree, 2 needle1.23.64.Poor3172684152405003Pinus spo. 2 needle>Pine tree, 2 needle10.54.Poor4.Poor3182686152405003Pinus spo. 2 needle>Pine tree, 2 needle11.83.FairRemove3192686152405003Pinus spo. 2 needle>Pine tree, 2 needle11.83.FairRemove3192685152405003Pinus spo. 2 needle>Pine tree, 2 needle11.83.FairRemove3192685152405003Pinus spo. 2 needle>Pine tree, 2 needle11.83.FairRemove3202709152405003Pine spo. 2 needle>Pine tree, 2 needle11.84.PoorRemove3212710152405003Pine spo. 2 needle>Pine tree, 2 needle11.84.PoorRemove3222710152405003Pine distant menziesiDouglas-fir10.34.PoorRemove3222707152405003Pine distant menziesiDouglas-fir9.34.Poor4.PoorRemove3242708152405003Pine distant menziesiDouglas-fir9.34.Poor4.PoorRemove3252688152405903Pine distant menziesiDouglas-fir10.84.Poor4.PoorRemove32626981524059030Pinus distant m	313	2678	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	12.3	3 - Fair	Remove
315260015200500Peeudotsuga menziesiiDouglas-fir1214-1001Keinove316268215200500Pinus sp2 needle>Pinu tee, 2 needle1054-PoorRemove318268615200500Arbutus menziesiiPeidfic madrone11.83-FairRemove3192685152405903Pinus sp2 needle>Pine tee, 2 needle11.83-FairRemove3202709152405903Pieudotsuga menziesiiDouglas-fir1554-PoorRemove3212710152405903Tuja plicataDouglas-fir104-PoorRemove3232707152405903Pieudotsuga menziesiiDouglas-fir134-PoorRemove3242708152405903Pieudotsuga menziesiiDouglas-fir134-PoorRemove3252707152405903Pieudotsuga menziesiiDouglas-fir134-PoorRemove3262708152405903Pieudotsuga menziesiiDouglas-fir134-PoorRemove3262708152405903Pieudotsuga menziesiiDouglas-fir14.54-PoorRemove3262698152405903Pieudotsuga menziesiiDouglas-fir16.84-PoorRemove3262698152405903Pieudotsuga menziesiiDouglas-fir16.83-FairRemove3262698152405903Pieudotsuga menziesii10.83-FairRemove32726991524059	314	2683	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	14.6	3 - Fair	Remove
3.102.6621.54005005Pinus sp. <2 medile>Pine tree, 2 medile1.12S + rainS + rainRemove3.172.6641.524055005Arbutus merziesiiPine tree, 2 medile10.54. PoorRemove3.182.6651.524055005Arbutus merziesiiPine tree, 2 medile11.83. FairRemove3.192.6651.524055002Pinus sp. <2 medile>Pine tree, 2 medile11.83. FairRemove3.202.7091.524055032Pieudotsug merziesiiDuglas-fir15.54. PoorRemove3.222.7111.524055032Tuja pilcataWestern red cedar10.34. PoorRemove3.232.7071.524055032Pieudotsug merziesiiDuglas-fir9.34. PoorRemove3.242.7081.524055032Pieudotsug merziesiiDuglas-fir9.34. PoorRemove3.242.7081.524055032Pieudotsug merziesiiDuglas-fir9.34. PoorRemove3.242.7081.524055032Pieudotsug merziesiiDuglas-fir9.34. PoorRemove3.242.7081.524055032Pieudotsug merziesiiDuglas-fir10.84. PoorRemove3.252.6991.524055032Tuja pilcataVestern red cedar10.83. FairRemove3.252.6991.524055080Tuja pilcataVestern red cedar10.83. FairRemove3.252.6991.524055080Tuja pilcata <t< td=""><td>315</td><td>2680</td><td>1524059005</td><td>Pinus sp. &lt;2 needle&gt;</td><td>Pine tree, 2 needle</td><td>10.3</td><td>4 - Poor</td><td>Remove</td></t<>	315	2680	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	10.3	4 - Poor	Remove
3.72.64152405005Arbuts menziesiPacific madrone11.6.54 - PoorRemove3.182.6661524059005Arbuts menziesiPacific madrone11.83 - FairRemove3.192.6651524059032Pieudotsuga menziesiDouglas-fir15.54 - PoorRemove3.202.7091524059032Paeudotsuga menziesiDouglas-fir15.54 - PoorRemove3.212.7101524059032Tulja plicataWestern red cedar104 - PoorRemove3.222.7111524059032Tulja plicataWestern red cedar11.34 - PoorRemove3.222.7021524059032Paeudotsuga menziesiDouglas-fir9.34 - PoorRemove3.242.7081524059032Paeudotsuga menziesiDouglas-fir9.34 - PoorRemove3.242.7081524059032Paeudotsuga menziesiDouglas-fir9.34 - PoorRemove3.262.6981524059030Tulja plicataWestern red cedar10.84 - Poor3 - FairRemove3.272.6991524059080Tulja plicataWestern red cedar10.33 - FairRemove3.272.6991524059080Tulja plicataWestern red cedar10.83 - FairRemove3.282.0001524059080Tulja plicataWestern red cedar10.33 - FairRemove3.282.0001524059080Tulja plicataWestern red cedar	316	2682	1524059005	Pseudotsuga menziesii	Douglas-fir	12	3 - Fair	Remove
318266152405005Find sp. <2 needle11.83 - FairRemove31926551524059032Pinu sp. <2 needle	317	2684	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	10.5	4 - Poor	Remove
313263152405003Peeddtsga merziesiiDougla-fir15.5A - PoorRemove32027001524059032Tuja plicataWestern red cedar104 - PoorRemove32127101524059032Tuja plicataWestern red cedar1.34 - PoorRemove32327071524059032Tuja plicataWestern red cedar1.34 - PoorRemove32327071524059032Pseudotsuga menziesiiDougla-fir9.34 - PoorRemove32427081524059032Pseudotsuga menziesiiDougla-fir10.84 - PoorRemove32626981524059030Tuja plicataWestern red cedar10.83 - FairRemove32726991524059080Tuja plicataWestern red cedar10.83 - FairRemove32827001524059080Tuja plicataWestern red cedar10.83 - FairRemove3291524059080Tuja plicataWestern red cedar10.83 - FairRemove3201524059080Tuja plicataWestern red cedar10.83 - FairRemove3201524059080Tuja plicataWestern red ceda	318	2686	1524059005	Arbutus menziesii	Pacific madrone	11.8	3 - Fair	Remove
32027091524059032Tuja plicataWestern red cedar104 - PoorRemove32127101524059032Thuja plicataWestern red cedar1.34 - PoorRemove32227111524059032Thuja plicataWestern red cedar1.34 - PoorRemove32327071524059032Pseudotsuga menziesiiDouglas-fir9.34 - PoorRemove32427081524059032Pseudotsuga menziesiiDouglas-fir14.54 - PoorRemove32626981524059080Thuja plicataWestern red cedar10.83 - FairRemove32726991524059080Thuja plicataWestern red cedar10.33 - FairRemove32827001524059080Prunus cerasiferaFlowering plum1.83 - FairRetain	319	2685	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	11.8	3 - Fair	Remove
32127101324059032Thuig plicataWestern red cedar1.04 - PoorRemove32227071524059032Pseudotsuga menziesiiDouglas-fir9.34 - PoorRemove32427081524059032Pseudotsuga menziesiiDouglas-fir14.54 - PoorRemove32626981524059080Thuig plicataWestern red cedar10.83 - FairRemove32726991524059080Thuig plicataWestern red cedar10.33 - FairRemove32827001524059080Prunus cerasiferaFlowering plum11.83 - FairRemove	320	2709	1524059032	Pseudotsuga menziesii	Douglas-fir	15.5	4 - Poor	Remove
32227111324050024 Foor4 entroe32327071524059032Pseudotsuga menziesiiDouglas-fir9.34 - PoorRemove32427081524059032Pseudotsuga menziesiiDouglas-fir14.54 - PoorRemove32626981524059080Thuja plicataWestern red cedar10.83 - FairRemove32726991524059080Thuja plicataWestern red cedar10.33 - FairRemove32827001524059080Prunus cerasiferaFlowering plum11.83 - FairRetain	321	2710	1524059032	Thuja plicata	Western red cedar	10	4 - Poor	Remove
3232707122030221122030224 - PoorRemove3242708152059032Pseudotsuga menziesiiDouglas-fir14.54 - PoorRemove3262698152059080Thuja plicataWestern red cedar10.83 - FairRemove3272699152059080Thuja plicataWestern red cedar10.33 - FairRemove3282700152059080Prunus cerasiferaFlowering plum11.83 - FairRetain	322	2711	1524059032	Thuja plicata	Western red cedar	11.3	4 - Poor	Remove
324     2708     1324059032     14.3     4 - Fold     Kellinge       326     2698     1524059080     Thuja plicata     Western red cedar     10.8     3 - Fair     Remove       327     2699     1524059080     Thuja plicata     Western red cedar     10.3     3 - Fair     Remove       328     2700     1524059080     Prunus cerasifera     Flowering plum     11.8     3 - Fair     Retain	323	2707	1524059032	Pseudotsuga menziesii	Douglas-fir	9.3	4 - Poor	Remove
326     268     1324059080     Thuja plicata     Western red cedar     10.3     3 - Fair     Remove       327     2699     1524059080     Prunus cerasifera     Flowering plum     10.3     3 - Fair     Remove       328     2700     1524059080     Prunus cerasifera     Flowering plum     11.8     3 - Fair     Retain	324	2708	1524059032		Douglas-fir	14.5	4 - Poor	Remove
327     269     1524059080     Prunus cerasifera     Flowering plum       328     2700     1524059080     Prunus cerasifera     Flowering plum       11.8     Arright Control and Control an	326	2698	1524059080			10.8	3 - Fair	Remove
328 2700 1524059080 - 11.8 3 - Fair Retain	327	2699	1524059080			10.3	3 - Fair	Remove
329 2697 1524059080 Thuja plicata Western red cedar 3 - Fair Remove	328	2700	1524059080	Prunus cerasifera		11.8	3 - Fair	Retain
	329	2697	1524059080	Thuja plicata	Western red cedar	16.5	3 - Fair	Remove

330	2716	1524059032	Picea pungens	Colorado spruce	9.5	3 - Fair	Remove
331	2696	1524059080	Thuja plicata	Western red cedar	18	3 - Fair	Remove
332	2695	1524059080	Thuja plicata	Western red cedar	20	3 - Fair	Remove
333	2694	1524059080	×Hesperotropsis leylandii	Leyland cypress	11.5	3 - Fair	Remove
334	2688	1524059080	×Hesperotropsis leylandii	Leyland cypress	12	3 - Fair	Retain
335	2690	1524059080	×Hesperotropsis leylandii	Leyland cypress	9	3 - Fair	Retain
336	2722	1524059032	×Hesperotropsis leylandii	Leyland cypress	12	3 - Fair	Retain
337	2723	1524059032	×Hesperotropsis leylandii	Leyland cypress	11.8	3 - Fair	Remove
338	2724	1524059032	×Hesperotropsis leylandii	Leyland cypress	11	3 - Fair	Remove
339	2726	1524059032	Pinus sylvestris	Scots pine	11.2	4 - Poor	Remove
340	2743	1524059145	Prunus cerasifera	Flowering plum	9.3	3 - Fair	Retain
341	2742	1524059145	Prunus cerasifera	Flowering plum	10.7	3 - Fair	Retain
342	2746	7856640010	Thuja plicata	Western red cedar	17.3	2 - Good	Remove
343	2747	7856640010	Thuja plicata	Western red cedar	13.4	2 - Good	Remove
344	2748	7856640010	Thuja plicata	Western red cedar	16	2 - Good	Remove
345	2749	7856640010	Picea pungens	Colorado spruce	8.4	3 - Fair	Remove
346	2817	7856420080	Populus balsamifera	Black cottonwood	13	3 - Fair	Remove
347	2820	7856420080	Populus balsamifera	Black cottonwood	15	3 - Fair	Remove
348	2819	7856420080	Thuja plicata	Western red cedar	11	2 - Good	Remove
349	2821	7856420080	Pseudotsuga menziesii	Douglas-fir	12.3	3 - Fair	Remove
350	2823	7856420080	Thuja plicata	Western red cedar	9.7	3 - Fair	Remove
351	2822	7856420080	Pseudotsuga menziesii	Douglas-fir	9.8	3 - Fair	Remove
352	2824	7856420080	Arbutus menziesii	Pacific madrone	9.5	3 - Fair	Remove
353	2831	7856420050	Salix scouleriana	Scouler's willow	12.5	3 - Fair	Remove
354	2825	7856420080	Pseudotsuga menziesii	Douglas-fir	11.9	4 - Poor	Remove
355	2826	7856420080	Pseudotsuga menziesii	Douglas-fir	8.6	4 - Poor	Remove
356	2826	7856420080	Pseudotsuga menziesii	Douglas-fir	8.6	4 - Poor	Remove
357	2830	7856420080	Arbutus menziesii	Pacific madrone	11.6	3 - Fair	Remove
358	2832	7856420050	Salix scouleriana	Scouler's willow	13.5	3 - Fair	Remove
359	2753	7856640010	Thuja plicata	Western red cedar	22	2 - Good	Remove
360	2767	7856640020	Pseudotsuga menziesii	Douglas-fir	17.2	3 - Fair	Remove
361	2756	7856640010	Thuja plicata	Western red cedar	10.4	2 - Good	Remove
362	2762	7856640020	Thuja plicata	Western red cedar	9.7	3 - Fair	Remove

363	2766	7856640020	Pseudotsuga menziesii	Douglas-fir	13.7	3 - Fair	Remove
364	2765	7856640020	Thuja plicata	Western red cedar	11.2	3 - Fair	Remove
365	2772	7856640020	Thuja plicata	Western red cedar	10.1	3 - Fair	Remove
366	2764	7856640020	Thuja plicata	Western red cedar	9	3 - Fair	Remove
367	2768	7856640020	Pseudotsuga menziesii	Douglas-fir	11.6	3 - Fair	Remove
368	2769	7856640020	Pseudotsuga menziesii	Douglas-fir	12.8	3 - Fair	Remove
369	2770	7856640020	Pseudotsuga menziesii	Douglas-fir	13.6	3 - Fair	Remove
370	2775	7856640020	Pseudotsuga menziesii	Douglas-fir	11.7	3 - Fair	Remove
371	2777	7856640020	Thuja plicata	Western red cedar	11	3 - Fair	Remove
372	2778	7856640020	Thuja plicata	Western red cedar	8.7	3 - Fair	Remove
373	2779	7856640020	Pseudotsuga menziesii	Douglas-fir	11.3	3 - Fair	Remove
374	2780	7856640020	Pseudotsuga menziesii	Douglas-fir	11.2	3 - Fair	Remove
375	2835	7856420050	Thuja plicata	Western red cedar	23.5	2 - Good	Remove
376	2781	7856640020	Pseudotsuga menziesii	Douglas-fir	9.5	3 - Fair	Remove
377	2782	7856640020	Pseudotsuga menziesii	Douglas-fir	9.9	4 - Poor	Remove
378	2783	7856640020	Pseudotsuga menziesii	Douglas-fir	9.6	4 - Poor	Remove
379	2788	7856640020	Pseudotsuga menziesii	Douglas-fir	9.5	4 - Poor	Remove
380	2786	7856640020	Pinus sylvestris	Scots pine	12.1	4 - Poor	Remove
381	2789	7856640020	Pseudotsuga menziesii	Douglas-fir	17.9	4 - Poor	Remove
382	2790	7856640020	Pseudotsuga menziesii	Douglas-fir	13.2	4 - Poor	Remove
383	2792	7856640020	Pseudotsuga menziesii	Douglas-fir	16.7	4 - Poor	Remove
384	2804	7856640020	Pseudotsuga menziesii	Douglas-fir	24.6	4 - Poor	Remove
385	2795	7856640020	Pseudotsuga menziesii	Douglas-fir	10.3	4 - Poor	Remove
386	2797	7856640020	Pseudotsuga menziesii	Douglas-fir	13.5	4 - Poor	Remove
387	2796	7856640020	Pseudotsuga menziesii	Douglas-fir	11.4	4 - Poor	Remove
388	2803	7856640020	Pseudotsuga menziesii	Douglas-fir	12.6	4 - Poor	Remove
389	2798	7856640020	Thuja plicata	Western red cedar	13.6	4 - Poor	Remove
390	2806	7856640030	Pseudotsuga menziesii	Douglas-fir	16.7	4 - Poor	Remove
391	2802	7856640020	Pseudotsuga menziesii	Douglas-fir	15.5	4 - Poor	Remove
392	2805	7856640030	Pseudotsuga menziesii	Douglas-fir	15.3	4 - Poor	Remove
393	2836	7856420050	Acer macrophyllum	Bigleaf maple	8.6	3 - Fair	Remove
394	2863	7856640430	Tsuga mertensiana	Mountain hemlock	8.3	3 - Fair	Remove
395	2867	7856640430	Prunus cerasifera	Flowering plum	10.5	3 - Fair	Remove

396	2882	7855000230	Prunus serrulata	Japanese flowering cherry	19	2 - Good	Retain
397	2877	7856640430	Prunus cerasifera	Flowering plum	8.5	4 - Poor	Remove
398	2868	7856640430	Prunus cerasifera	Flowering plum	11.5	3 - Fair	Remove
399	2869	7856640430	Prunus cerasifera	Flowering plum	9.2	3 - Fair	Remove
400	2872	7856640430	Prunus cerasifera	Flowering plum	10.1	3 - Fair	Remove
401	2881	7855000230	Liquidambar styraciflua	American sweetgum	14.1	3 - Fair	Remove
402	2891	7855000240	×Hesperotropsis leylandii	Leyland cypress	26	3 - Fair	Remove
403	2888	7855000240	Callitropsis _T ánootkatensis	Alaska cedar	13.3	3 - Fair	Remove
404	2887	7855000240	Cedrus deodara	Deodar cedar	9.4	3 - Fair	Remove
405	2901	7855000240	Chamaecyparis obtusa	Hinoki Falsecypress	14.1	2 - Good	Retain
406	2885	7855000240	×Hesperotropsis leylandii	Leyland cypress	26	2 - Good	Remove
407	2886	7855000240	×Hesperotropsis leylandii	Leyland cypress	22.9	2 - Good	Remove
408	2928	1524059142	Crataegus monogyna	Common hawthorn	10.4	3 - Fair	Remove
409	2934	7855000270	Prunus armeniaca	Apricot	9	3 - Fair	Remove
410	2941	1524059142	Pinus nigra	Austrian pine	18.5	4 - Poor	Remove
411	2942	1524059142	Pinus nigra	Austrian pine	19	4 - Poor	Remove
412	2944	7855000290	Pinus nigra	Austrian pine	15.5	4 - Poor	Remove
413	2945	7855000290	Pseudotsuga menziesii	Douglas-fir	9.1	4 - Poor	Remove
414	2946	7855000290	Sequoiadendron giganteum	Giant sequoia	31.5	4 - Poor	Remove
415	2947	7855000290	Sequoiadendron giganteum	Giant sequoia	22.5	4 - Poor	Remove
416	2948	7855000290	Sequoiadendron giganteum	Giant sequoia	27	4 - Poor	Remove
417	2950	7855000290	Pinus sylvestris	Scots pine	11	4 - Poor	Remove
418	3163	7855800120	Malus domestica	Apple	9	4 - Poor	Remove
419	3183	7855800140	Prunus domestica	Plum	8.5	3 - Fair	Remove
420	3268	7856410120	Picea pungens	Colorado spruce	14.7	4 - Poor	Remove
421	3431	7855801670	Acer palmatum	Japanese maple	8.4	3 - Fair	Retain
422	3428	7855801670	Picea pungens	Colorado spruce	9.8	4 - Poor	Remove
423	3423	7855801670	Myrica californica	Pacific waxmyrtle	8.4	3 - Fair	Retain
424	3442	7855801680	Pinus nigra	Austrian pine	10.3	3 - Fair	Remove
425	3439	7855801680	Pinus contorta	Shore pine	8.6	3 - Fair	Remove
426	3444	7855801680	Pinus nigra	Austrian pine	12.2	 3 - Fair	Remove
427	3504	7855801590	Pinus contorta	Shore pine	18.8	 4 - Poor	Remove
428	3506	7855801590	Arbutus menziesii	Pacific madrone	9	2 - Good	Remove

429	3449	7855801700	Cornus florida	Flowering dogwood	9.4	3 - Fair	Remove
430	3526	7855801570	Pseudotsuga menziesii	Douglas-fir	9.5	3 - Fair	Remove
431	3543	7855801570	Pseudotsuga menziesii	Douglas-fir	8.5	3 - Fair	Remove
432	3538	7855801570	Pseudotsuga menziesii	Douglas-fir	19.2	3 - Fair	Remove
433	3546	7855801560	Picea pungens	Colorado spruce	13.4	4 - Poor	Remove
434	3547	7855801560	Picea pungens	Colorado spruce	9.5	4 - Poor	Remove
435	3548	7855801560	Picea pungens	Colorado spruce	10.5	4 - Poor	Remove
436	3472	7855801720	Chamaecyparis obtusa	Hinoki Falsecypress	11	3 - Fair	Retain
437	3470	7855801720	Chamaecyparis obtusa	Hinoki Falsecypress	9	3 - Fair	Remove
438	3549	7855801560	Picea pungens	Colorado spruce	9.4	4 - Poor	Remove
439	3550	7855801560	Picea pungens	Colorado spruce	12.5	4 - Poor	Remove
440	3477	7855801720	Prunus domestica	Plum	11	2 - Good	Remove
441	3552	7855801560	Picea pungens	Colorado spruce	13.3	4 - Poor	Remove
442	3564	7855801550	Liquidambar styraciflua	American sweetgum	11.2	3 - Fair	Remove
443	3563	7855801550	Picea pungens	Colorado spruce	16.4	4 - Poor	Remove
444	3561	7855801550	Picea pungens	Colorado spruce	10.5	4 - Poor	Remove
445	3560	7855801550	Picea pungens	Colorado spruce	14.5	4 - Poor	Remove
446	3559	7855801550	Picea pungens	Colorado spruce	12.1	4 - Poor	Remove
447	3493	7855801730	Malus domestica	Apple	9.7	3 - Fair	Retain
448	3571	7855801550	Arbutus menziesii	Pacific madrone	11.6	3 - Fair	Remove
449	3557	7855801550	Pseudotsuga menziesii	Douglas-fir	18.6	4 - Poor	Remove
450	3558	7855801550	Pseudotsuga menziesii	Douglas-fir	22.1	4 - Poor	Remove
451	3498	7855801740	Prunus domestica	Plum	9	4 - Poor	Remove
452	3604	7855801540	Cedrus deodara	Deodar cedar	18.4	4 - Poor	Remove
453	3600	2600010630	Pseudotsuga menziesii	Douglas-fir	23	4 - Poor	Remove
454	3599	2600010630	Pseudotsuga menziesii	Douglas-fir	13.5	4 - Poor	Remove
455	3598	2600010630	Pseudotsuga menziesii	Douglas-fir	16.8	4 - Poor	Remove
456	3610	2600010580	Pseudotsuga menziesii	Douglas-fir	10.6	4 - Poor	Remove
457	3612	2600010580	Pseudotsuga menziesii	Douglas-fir	13	4 - Poor	Remove
458	3613	2600010580	Pinus nigra	Austrian pine	17	4 - Poor	Remove
459	3614	2600010580	Pinus nigra	Austrian pine	11.7	4 - Poor	Remove
460	3615	2600010580	Pinus nigra	Austrian pine	18	4 - Poor	Remove
461	3618	2600010580	Pinus nigra	Austrian pine	14	4 - Poor	Remove

462	3616	2600010580	Pinus nigra	Austrian pine	10	4 - Poor	Remove
463	3617	2600010580	Pinus nigra	Austrian pine	19	4 - Poor	Remove
464	3621	2600010670	Pyrus sp.	Pear tree	8	3 - Fair	Remove
465	3629	2268400290	Prunus domestica	Plum	9.4	3 - Fair	Retain
466	3626	2268400290	Prunus serrulata	Japanese flowering cherry	12.8	4 - Poor	Retain
467	3636	2268400280	Pinus nigra	Austrian pine	16.5	2 - Good	Remove
468	3639	2268400280	Acer rubrum	Red maple	11.4	3 - Fair	Remove
469	3642	2268400280	Pinus nigra	Austrian pine	10.4	3 - Fair	Remove
470	3643	2268400280	Prunus serrulata	Japanese flowering cherry	8.3	3 - Fair	Retain
471	3650	2268400280	Acer rubrum	Red maple	9.3	3 - Fair	Remove
472	3656	2268400280	Pinus nigra	Austrian pine	12.2	4 - Poor	Remove
473	3660	2268400280	Quercus palustris	Pin oak	8.3	3 - Fair	Remove
474	3662	2268400280	Betula pendula	European white birch	9.2	3 - Fair	Remove
475	441	1951700130	Malus domestica	Apple	9	3 - Fair	Remove
476	443	1951700130	Prunus avium	Sweet cherry	12	2 - Good	Remove
477	445	1951700120	Prunus avium	Sweet cherry	9.5	3 - Fair	Remove
478	455	1951700010	Malus domestica	Apple	8	2 - Good	Retain
479	452	1951700010	Ilex aquifolium	English holly	12	3 - Fair	Remove
480	451	1951700010	Prunus cerasifera 'thundercloud'	Cherry plum	16	2 - Good	Remove
481	2490	1024059123	Pseudotsuga menziesii	Douglas-fir	19.1	4 - Poor	Remove
482	2492	1024059123	Thuja plicata	Western red cedar	11.3	3 - Fair	Remove
483	8506	1524059080	×Hesperotropsis leylandii	Leyland cypress	8 7	2 - Good	Remove
484	2840	7856420060	Abies sp.	Fir species	16.8	4 - Poor	Remove
485	2841	7856420060	Thuja plicata	Western red cedar	17.5	3 - Fair	Remove
486	2842	7856420060	Malus domestica	Apple	11	3 - Fair	Remove
487	2844	7856420060	Pseudotsuga menziesii	Douglas-fir	11.3	3 - Fair	Remove
488	2851	7856420070	Prunus avium	Sweet cherry	16	2 - Good	Remove
489	2852	7856420070	Acer macrophyllum	Bigleaf maple	32.4	3 - Fair	Remove
490	2943	7855000290	Picea pungens	Colorado spruce	17	4 - Poor	Remove
491	2944	7855000290	Pinus nigra	Austrian pine	15.5	4 - Poor	Remove
492	2957	7855000300	Prunus domestica	Plum	15	2 - Good	Remove
493	2958	7855000300	Prunus domestica	Plum	10.5	2 - Good	Remove

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447       2461       1783000310       Purus listhan       Portgurs listhan       1.3       3.1       4.1       4.1         447       2561       735560230       Purus listhan       Portgurs listhan       1.6.1       4.1       4.1       4.1       4.1         449       2564       735560230       Purus listhan       Portgurs listhan       1.6.1       4.1       4.1       6.0       4.0       6.0         500       271       735560230       Arbits menorial       Partin matrone       1.5.1       4.1       4.0       4.0       4.0       4.0         501       256       735560230       Arbits menorial       Partin matrone       5.1       4.1       4.0       4.0       4.0         503       270       735560230       Arbits menorial       Partin matrone       5.1       4.1       4.0       4.0       4.0         504       270       735500235       Purus startulera       Partin matrone       5.2       4.0       3.1       4.0       4.0         505       277       78550025       Purus startulera       Falser matrone       5.2       4.0       3.1       4.0         504       279       785500255       Laborum n vaterren       5.	ve
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517     5014     7855000360     Juniperus scopulorum     Rocky Mountain Juniper       518     3017     7855000360     Juniperus scopulorum     Rocky Mountain Juniper       8.6     3 - Fair     Remove	/e
518 301/ /855000360 8.6 3 - Fair Kemove	/e
	/e
519     3023     7855801770     Laburnum x watereri     Goldenchain Tree     9.4     3 - Fair     Remove	/e
520         3027         7855801770         Prunus emarginata         Bitter cherry         13.1         3 - Fair         Retain	n
521         3028         7855801770         Arbutus menziesii         Pacific madrone         16.5         3 - Fair         Remove	/e
52230357855800010Pseudotsuga menziesiiDouglas-fir 16.316.34 - PoorRemove	/e
52330387855800010Pseudotsuga menziesiiDouglas-fir 10.810.84 - PoorRemove	/e
524     3037     7855800010     Cedrus deodara     Deodar cedar     14.1     4 - Poor     Remove	/e
52530397855800010Pseudotsuga menziesiiDouglas-fir 13.913.94 - PoorRemove	/e
526         3041         7855800010         Pinus sylvestris         Scots pine         11         4 - Poor         Remove	/e

527	3032	7855801770	Salix scouleriana	Scouler's willow	17	4 - Poor	Remove
528	3031	7855801770	Arbutus menziesii	Pacific madrone	9	3 - Fair	Remove
529	3042	7855800010	Pseudotsuga menziesii	Douglas-fir	19.4	4 - Poor	Remove
530	3043	7855800010	Cedrus deodara	Deodar cedar	20.1	4 - Poor	Remove
531	3044	7855800010	Pseudotsuga menziesii	Douglas-fir	20.4	4 - Poor	Remove
532	3045	7855800010	Cedrus deodara	Deodar cedar	21.4	4 - Poor	Remove
533	3046	7855800010	Pseudotsuga menziesii	Douglas-fir	12.9	4 - Poor	Remove
534	3048	7855800010	Pseudotsuga menziesii	Douglas-fir	18	4 - Poor	Remove
535	3047	7855800010	Pseudotsuga menziesii	Douglas-fir	20	4 - Poor	Remove
536	3049	7856410010	Arbutus menziesii	Pacific madrone	13.1	3 - Fair	Remove
537	3051	7856410010	Pseudotsuga menziesii	Douglas-fir	11	4 - Poor	Remove
538	3050	7856410010	Pseudotsuga menziesii	Douglas-fir	13.4	4 - Poor	Remove
539	3054	7856410010	Arbutus menziesii	Pacific madrone	10	4 - Poor	Remove
540	3084	7855800020	Arbutus menziesii	Pacific madrone	12	3 - Fair	Remove
541	3086	7855800020	Acer macrophyllum	Bigleaf maple	17.2	3 - Fair	Remove
542	3056	7856410010	Pseudotsuga menziesii	Douglas-fir	9.6	4 - Poor	Remove
543	3057	7856410010	Arbutus menziesii	Pacific madrone	12	3 - Fair	Remove
544	3055	7856410010	Arbutus menziesii	Pacific madrone	8	3 - Fair	Remove
545	3095	7855800030	Pseudotsuga menziesii	Douglas-fir	20.5	4 - Poor	Remove
546	3060	7856410010	Arbutus menziesii	Pacific madrone	10.9	4 - Poor	Remove
547	3094	7855800030	Pseudotsuga menziesii	Douglas-fir	16.5	4 - Poor	Remove
548	3059	7856410010	Arbutus menziesii	Pacific madrone	13.7	3 - Fair	Remove
549	3093	7855800030	Pseudotsuga menziesii	Douglas-fir	15.8	4 - Poor	Remove
550	3097	7855800030	Thuja plicata	Western red cedar	12.9	4 - Poor	Remove
551	3108	7855800040	Picea pungens	Colorado spruce	10.6	4 - Poor	Remove
552	3109	7855800040	Picea pungens	Colorado spruce	13.5	4 - Poor	Remove
553	3096	7855800030	Pseudotsuga menziesii	Douglas-fir	19	4 - Poor	Remove
554	3061	7856410010	Cladrastis kentukea	American yellowwood	11.5	3 - Fair	Remove
555	3063	7856410010	Pseudotsuga menziesii	Douglas-fir	22.3	3 - Fair	Remove
556	3062	7856410010	Cladrastis kentukea	American yellowwood	20	3 - Fair	Remove
557	3115	7855800040	Pseudotsuga menziesii	Douglas-fir	12.4	4 - Poor	Remove
558	3117	7855800040	Picea pungens	Colorado spruce	11.4	 4 - Poor	Remove
559	3114	7855800040	Pseudotsuga menziesii	Douglas-fir	15.1	4 - Poor	Remove

101       9.0.0000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.00000       9.000000       9.00000       9.000000       9.000000       9.000000       9.000000       9.000000       9.000000       9.000000       9.0000000       9.0000000       9.0000000       9.0000000       9.0000000       9.0000000       9.0000000       9.00000000       9.00000000       9.00000000       9.00000000       9.000000000       9.000000000       9.000000000000000000000000000000000000	560	3113	7855800040	Pseudotsuga menziesii	Douglas-fir	15.1	4 - Poor	Remove
121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       121       1	561	3064	7856410010	Prunus avium	Sweet cherry	9.3	3 - Fair	Remove
Alt       Alt       Alt       Alt       Alt       Alt       Alt         141       543       Alt       Auxona       Baakafa       Auxona       Alt       Altera       Altera         142       343       Auxona       Baakafa       Auxona       Auxona       Altera       Altera         143       343       Auxona       Baakafa       Altera       Altera       Altera         144       343       Auxona       Baakafa       Altera       Altera       Altera         144       343       Auxona       Baakafa       Altera       Altera       Altera         145       343       Auxona       Baakafa       Altera       Altera       Altera         145       Auxona       Baakafa       Altera       Altera       Alt	562	3102	7855800040	Pseudotsuga menziesii	Douglas-fir	12.7	4 - Poor	Remove
36       30.07       Arbitron       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1	563	3101	7855800040	Pseudotsuga menziesii	Douglas-fir	20.5	4 - Poor	Remove
136 $1130$ $1230$ $1240$ $1240$ $1100$ $156$ $131$ $125203$ $1240$ $126401g molell126401g126167016701571321252033126401g molell126401g121670167016701501301250300126401g molell126401g121670167016701521251250126000012600000127012701670000000167000000000000000000000000000000000000$	564	3099	7855800040	Pseudotsuga menziesii	Douglas-fir	12.9	4 - Poor	Remove
14.3       143.000/1       143.000/1       143.000/1       143.000/1       143.000/1         150       3152       1750.000/1       Netodog model       ApP       0.5       0.4 Nor       Netodog         150       3128       1750.000/1       Netodog model       Degle fr       12       1.6 Nor       Netodog         170       315       1750.000/1       Netodog model       Degle fr       12       1.6 Nor       Netodog         171       315       1750.000/1       Netodog model       Degle fr       12       1.6 Nor       Netodog         172       314       1750.000/1       Netodog model       Degle fr       12       1.6 Nor       Netodog         173       312       1750.000/1       Netodog model       Degle fr       13       1.6 Nor       Netodog         174       312       1750.000/1       Netodog model       Degle fr       1.6       1.6       1.6 Nor       Netodog         175       070       705.000/0       Netodog model       Degle fr       1.6       1.6       1.6 Nor       Netodog         176       120       Netodog model       Degle fr       1.6       1.6       1.6 Nor       Netodog         176	565	3100	7855800040	Pseudotsuga menziesii	Douglas-fir	20.8	4 - Poor	Remove
103       110       110       110       110       110       1100       1100       1100         128       88       765500000       Main formeria       Bauglas fr       12       12       14 Ford       Henne         137       1325       755500000       Postafotog mented       Bauglas fr       15       4. Foor       Henne         137       1326       75550000       Postafotog mented       Bauglas fr       12       4. Foor       Henne         137       1326       75550000       Postafotog mented       Bauglas fr       20       4. Foor       Henne         137       1372       75550000       Postafotog mented       Bauglas fr       20       4. Foor       Henne         138       137       75550000       Postafotog mented       Bauglas fr       20       4. Foor       Henne         138       137       75550000       Postafotog mented       Bauglas fr       20       4. Foor       Henne         138       137       75550000       Postafotog mented       Bauglas fr       13       4. Foor       Henne         137       294       75550000       Postafotog mented       Bauglas fr       14       4. Foor       Henne	566	3133	7855800050	Pseudotsuga menziesii	Douglas-fir	8.2	4 - Poor	Remove
13.6         13.6         1.1.1         1.1.1         1.1.1         1.1.1           13.6         13.20         Packdrage matter         Daglas fr         1.1         4.9cor         Memore           13.7         13.6         7.5530050         Packdrage matters         Daglas fr         8.8         4.9cor         Memore           13.7         13.6         7.5530050         Packdrage matters         Daglas fr         8.8         4.9cor         Memore           13.7         13.26         7.5530050         Packdrage matters         Daglas fr         1.8         4.9cor         Memore           13.8         7.5530050         Packdrage matters         Daglas fr         1.8         4.9cor         Memore           13.9         7.5530050         Packdrage matters         Daglas fr         1.4         4.9cor         Memore           13.7         7.5530050         Packdrage matters         Daglas fr         1.6         4.9cor         Memore           13.7         7.5530050         Packdrage matters         Daglas fr         1.6         4.9cor         Memore           13.7         29.4         7.5530050         Packdrage matters         Daglas fr         1.6         4.9cor         Memore	567	3132	7855800050	Pseudotsuga menziesii	Douglas-fir	10.5	4 - Poor	Remove
a       1.12       1.13       1.14       1.14       1.14       1.14       1.14         570       13.2       78.500000       Peeddtug mentelil       Dougles fr       1.2       1.2       1.4 Poor       Renove         571       13.12       78.500000       Peeddtug mentelil       Dougles fr       1.8       1.7       1.4 Poor       Renove         572       13.12       78.500000       Peeddtug mentelil       Dougles fr       1.8       1.7       1.4 Poor       Renove         574       13.13       78.500000       Peeddtug mentelil       Dougles fr       1.8       1.4 Poor       Renove         574       13.13       78.500000       Peeddtug mentelil       Dougles fr       1.6       4. Poor       Renove         575       29.12       78.500000       Peeddtug mentelil       Dougles fr       1.5       4. Poor       Renove         577       2070       78.540000       Peeddtug mentelil       Dougles fr       1.5       4. Poor       Renove         579       294       78.540000       Peeddtug mentelil       Dougles fr       1.5       4. Poor       Renove         570       297       78.540000       Peeddtug mentelil       Dougles fr       1.5	568	3068	7856410010	Malus domestica	Apple	9.8	3 - Fair	Remove
11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2	569	3128	7855800050	Pseudotsuga menziesii	Douglas-fir	12	4 - Poor	Remove
1 No.       1 No.       1 No.       No. No.         1 1 No.       1 No.       1 No.       No. No.         1 1 No.       1 No.       1 No.       1 No.       1 No.         1 1 No.       1 No.       1 No.       1 No.       1 No.       1 No.         1 1 No.         1 1 No.         1 1 No.         1 1 No.         1 1 No.         1 1 No.         1 1 No.         1 1 No.         1 1 No.         1 1 No.	570	3127	7855800050	Pseudotsuga menziesii	Douglas-fir	15.2	4 - Poor	Remove
312 $71530000$ Pleudotuga mentiesi       Dougles fr       1.1.1       1.1.1       1.1.10       1.4.100       Netrole $573$ $3123$ $735500000$ Pleudotuga mentiesi       Dougles fr       1.8.0       4.1.000       At-Poor       Remove $574$ $3122$ $735500000$ Pleudotuga mentiesi       Dougles fr       1.8       4.1.000       At-Poor       Remove $575$ $322$ $735500000$ Pleudotuga mentiesi       Dougles fr       1.8       4.1.000       At-Poor       Remove $577$ $370$ $735500000$ Pleudotuga mentiesi       Dougles fr       1.8       4.1.000       At-Poor       Remove $577$ $370$ $735500000$ Pleudotuga mentiesi       Dougles fr       1.6       4.1.000       At-Poor       Remove $578$ $278$ $735500000$ Celons dodara       Dougles fr       1.6       4.1.000       At-Poor       Remove $581$ $382$ $755500000$ Pleudotuga mentiesi       Dougles fr       1.2       4.1.000       At-Poor       Remove $582$ $785500000$ Pleudotuga mentiesi       Dougles fr       1.2 <td< td=""><td>571</td><td>3126</td><td>7855800050</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>8.8</td><td>4 - Poor</td><td>Remove</td></td<>	571	3126	7855800050	Pseudotsuga menziesii	Douglas-fir	8.8	4 - Poor	Remove
13 a       11 a       11 a       11 a       11 a       11 b	572	3124	7855800050	Picea pungens	Colorado spruce	11.7	4 - Poor	Remove
31.3 $11.3$ $11.3$ $11.3$ $11.3$ $11.3$ $11.3$ $11.3$ $11.3$ $11.3$ $11.3$ $11.3$ $11.00$ $11.00$ $11.00$ $11.00$ $57$ $3122$ $785580050$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$ $11.00$	573	3123	7855800050	Pseudotsuga menziesii	Douglas-fir	18.8	4 - Poor	Remove
3       3.12       7.43       6.4 Pool       6.4 Pool       6.4 Pool       6.4 Pool       6.4 Pool         76       2993       7.65500000       Prous cersafera       Boering plum       13       3 - Fair       Remove         57       3070       7.65540000       Pice sp.       Spruc species       8       3 - Fair       Remove         578       294       7.65580000       Pice sp.       Spruc species       8       3 - Fair       Remove         579       294       7.65580000       Pice dars       Boedar cedar       16       4 - Poor       Remove         580       298       7.65580000       Pice dars       Boedar cedar       112       4 - Poor       Remove         581       298       7.65580000       Sequidadrion giganteum       Gaint sequida       34       34       4 - Poor       Remove         582       2981       7.65580000       Sequidadrion giganteum       Gaint sequida       32       34       3 - Fair       Remove         583       2900       7.65580000       Sequidadrion giganteum       16       3 - Fair       Remove         584       3070       7.65540000       Pice dars       Joering plum       16       4 - Poor       Re	574	3119	7855800050	Pseudotsuga menziesii	Douglas-fir	20	4 - Poor	Remove
3762993ArssendedArssended3 - FairArstA - PoorRetain57730707856410010Pleaudotsuga menriesiDouglas fir16.54 - PoorRemove5782994785580060Cefrus deadraDeodar cedar16.54 - PoorRemove5802984785580060Cefrus deadraDeodar cedar11.64 - PoorRemove5812983785580060Cedrus deadraDeodar cedar11.64 - PoorRemove5822981785580060Cedrus deadraDeodar cedar11.24 - PoorRemove5822981785580060Sequoladendron giganteumGiant sequola32.73 - FairRemove5832960785641007Pseudotsuga menziesiiDouglas fir12.33 - FairRemove5843071785641007Pseudotsuga menziesiiDouglas fir16.54 - PoorRemove5853070785641007Pseudotsuga menziesiiDouglas fir9.93 - FairRemove5863144785580080Puruus censifieraPowering plum154 - PoorRemove58820287856410050Puruus censifieraApple10.63 - FairRemove58930707856410050Puruus serulutaApple10.63 - FairRemove58830287856410050Puruus serulutaApple10.63 - FairRemove58930297856410050P	575	3122	7855800050	Pseudotsuga menziesii	Douglas-fir	14	4 - Poor	Remove
377 $307$ $730$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ $740$ <t< td=""><td>576</td><td>2993</td><td>7855800060</td><td>Prunus cerasifera</td><td>Flowering plum</td><td>13</td><td>3 - Fair</td><td>Retain</td></t<>	576	2993	7855800060	Prunus cerasifera	Flowering plum	13	3 - Fair	Retain
5782994783500000Cefrus decidarDecidar cedar14.6A - PoorA - PoorRemove559298785500060Pseudotsuga menziesiiDouglas-fir11.64 - PoorRemove581298785500060Cefrus decidarDecidar cedar11.24 - PoorRemove5822981785500060Sequivadendrin giganteumGiant sequiva3434343 - FairRemove5822981785500060Sequivadendrin giganteumGiant sequiva32.73 - FairRemove5832980785600060Sequivadendrin giganteumDouglas-fir12.33 - FairRemove58430707856410020Pseudotsuga menziesiiDouglas-fir16.54 - PoorRemove58530707856410010Pseudotsuga menziesiiDouglas-fir9.93 - FairRemove586314785500080Piruns serulatiaJapanee flowering cherry14.24 - PoorRemove58832087856410060Piruns serulatiaJapanee flowering cherry14.24 - PoorRemove58932077856410060Piruns serulatiaApple10.63 - FairRemove58932087856410060Piruns serulatiaSweet cherry11.83 - FairA - PoorRemove58932087856410060Piruns aroutatiaSweet cherry11.83 - FairA - PoorRemove58932087856410060Pi	577	3070	7856410010	Pseudotsuga menziesii	Douglas-fir	16.5	4 - Poor	Remove
3.732.847.83500060Peudotsuga menziesiiDouglas-fir1.64.1-001Keintore5.802.987.85500060Cedrus deodaraDeodar cedar1.24.1-0014.1-001Remove5.812.9817.85500060Sequidadendron giganteumGiant sequida3.43.43.1-FairRemove5.822.9817.85500060Sequidadendron giganteumGiant sequida3.2.78.800008.800000Remove5.830.9717.856410020Peudotsuga menziesiiDouglas-fir12.33.1-FairRemove5.843.0717.856410020Peudotsuga menziesiiDouglas-fir16.54.1-PoorRemove5.853.0707.856410010Peudotsuga menziesiiDouglas-fir16.54.1-PoorRemove5.863.147.85500050Prunus cerasifieraFlowering pluru154.1-PoorRemove5.863.087.85610060Prunus cerasifieraFlowering pluru164.1-PoorRemove5.893.077.85610060Prunus serulataApple10.64.1-PoorRemove5.893.087.85610060Prunus serulataApple10.63.1-FairRemove5.893.097.85610060Prunus serulataApple10.63.1-FairRemove5.893.097.85610060Prunus serulataApple10.63.1-FairRemove5.803.097.85610060Prunus serulataApple10.6<	578	2994	7855800060	Picea sp.	Spruce species	8	3 - Fair	Remove
1.1.61.1.61.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.71.1.7	579	2984	7855800060	Cedrus deodara	Deodar cedar	14.6	4 - Poor	Remove
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Sol     Sol     Sol     Sol     Sol     Sol     Sol       591     3203     7856410060     Picea pungens     Colorado spruce     11     4 - Poor     Remove	589	3207	7856410060			10.6	3 - Fair	Remove
591         5205         /650410000         11         4 - P001         Relitive	590	3205	7856410060			11.8	3 - Fair	Remove
592     3154     785580010     Prunus domestica     Plum       9.1     3 - Fair     Remove	591	3203	7856410060			11	4 - Poor	Remove
	592	3154	7855800110	Prunus domestica	Plum	9.1	3 - Fair	Remove

593	3156	7855800110	Malus domestica	Apple	8.3	3 - Fair	Retain
594	3160	7855800120	Pseudotsuga menziesii	Douglas-fir	23.5	4 - Poor	Remove
595	3161	7855800120	Cedrus deodara	Deodar cedar	24.9	4 - Poor	Remove
596	3219	7856410080	Magnolia	Loebner Magnolia	9.1	3 - Fair	Remove
597	3162	7855800120	Cedrus deodara	Deodar cedar	21.7	4 - Poor	Remove
598	3235	7856410090	Prunus domestica	Plum	12	3 - Fair	Remove
599	3263	7856410120	Prunus avium	Sweet cherry	13.4	4 - Poor	Remove
600	3802	2124059001	Alnus rubra	Red alder	10.2	4 - Poor	Remove
601	3786	2124059001	Salix lasiandra	Pacific willow	8.4	3 - Fair	Retain
602	214	2124059001	Pseudotsuga menziesii	Douglas-fir	19	3 - Fair	Remove
603	213	2124059001	Thuja plicata	Western red cedar	9	3 - Fair	Remove
604	3788	2124059001	Acer macrophyllum	Bigleaf maple	12	4 - Poor	Remove
605	3790	2124059001	Acer macrophyllum	Bigleaf maple	16.2	4 - Poor	Remove
606	220	2124059001	Acer platanoides	Norway maple	12	3 - Fair	Remove
607	221	2124059001	Calocedrus decurrens	Incense cedar	14.5	3 - Fair	Remove
608	222	2124059001	Thuja plicata	Western red cedar	17	2 - Good	Remove
609	223	2124059001	Betula pendula	European white birch	13.5	3 - Fair	Remove
610	224	2124059001	Thuja plicata	Western red cedar	14	2 - Good	Remove
611	226	2124059001	Pseudotsuga menziesii	Douglas-fir	11	2 - Good	Remove
612	225	2124059001	Acer macrophyllum	Bigleaf maple	8.5	2 - Good	Remove
613	234	2124059001	Alnus rubra	Red alder	8.5	2 - Good	Remove
614	228	2124059001	Pseudotsuga menziesii	Douglas-fir	13.5	3 - Fair	Remove
615	308	6071900180	Thuja plicata	Western red cedar	18.5	4 - Poor	Remove
616	309	6071900180	Ilex aquifolium	English holly	8	4 - Poor	Retain
617	303	6071900140	Fagus sylvatica 'purpurea'	European beech (purple)	29	3 - Fair	Remove
618	304	6071900150	Thuja plicata	Western red cedar	29	4 - Poor	Remove
619	306	6071900160	Pseudotsuga menziesii	Douglas-fir	34.5	2 - Good	Retain
620	305	6071900160	Thuja plicata	Western red cedar	27.5	4 - Poor	Remove
621	301	6071900140	Acer platanoides	Norway maple	11	3 - Fair	Remove
622	300	6071900140	Pinus sylvestris	Scots pine	16.5	4 - Poor	Remove
623	297	6071900130	Malus domestica	Apple	8	3 - Fair	Remove
624	333	6072200350	Prunus sp.	Plum or cherry	14.5	2 - Good	Remove
625	326	6072200350	Malus domestica	Apple	12.5	3 - Fair	Remove

626	330	6072200350	Prunus sp.	Plum or cherry	11		2 - Good	Remove
627	337	6072200360	Magnolia grandiflora	Southern Magnolia	18		2 - Good	Remove
628	336	6072200360	×Hesperotropsis leylandii	Leyland cypress	9		2 - Good	Retain
629	338	6072200360	×Hesperotropsis leylandii	Leyland cypress	9		2 - Good	Remove
630	342	6072200360	×Hesperotropsis leylandii	Leyland cypress	11		2 - Good	Remove
631	344	6072200360	×Hesperotropsis leylandii	Leyland cypress	14		2 - Good	Remove
632	347	6072200370	Malus sp. <flowering></flowering>	Flowering crabapple	10		2 - Good	Remove
633	352	6072200370	Malus sp. <flowering></flowering>	Flowering crabapple	8.5		2 - Good	Retain
634	353	6072200380	Prunus sp.	Plum or cherry	10		3 - Fair	Remove
635	364	6072200400	Cornus sp.	Ornamental dogwood	11		2 - Good	Remove
636	365	6072200400	Prunus avium	Sweet cherry	11.5		3 - Fair	Remove
637	369	6072200410	Acer palmatum	Japanese maple	9		2 - Good	Remove
638	368	6072200410	Prunus serrulata	Japanese flowering cherry	18		2 - Good	Remove
639	371	6072200410	Malus domestica	Apple	11		3 - Fair	Remove
640	370	6072200410	Malus domestica	Apple	11.5		3 - Fair	Remove
641	373	6072200410	Magnolia	Loebner Magnolia	9.5		3 - Fair	Retain
642	377	6072200420	Ilex aquifolium	English holly	14		3 - Fair	Retain
643	378	6072200420	Corylus avellana	European filbert	15.5		2 - Good	Retain
644	376	6072200420	Acer platanoides	Norway maple	25		2 - Good	Remove
645	381	6072200430	Pseudotsuga menziesii	Douglas-fir	25		4 - Poor	Remove
646	381	6072200430	Pseudotsuga menziesii	Douglas-fir	25		4 - Poor	Remove
647	379	6072200420	Fagus sylvatica 'purpurea'	European beech (purple)	21		2 - Good	Remove
648	384	6072200430	Magnolia grandiflora	Southern Magnolia	8		2 - Good	Remove
649	404	6072200440	Abies alba	European silver fir	19.5		4 - Poor	Remove
650	394	6072200440	Malus domestica	Apple	11.5	6.5	3 - Fair	Remove
651	397	6072200440	Tsuga heterophylla	Western hemlock	19		3 - Fair	Remove
652	407	6072200440	Abies alba	European silver fir	12.5		4 - Poor	Remove
653	403	6072200440	Abies alba	European silver fir	17		3 - Fair	Remove
654	398	6072200440	Tsuga heterophylla	Western hemlock	16		3 - Fair	Remove
655	399	6072200440	Abies alba	European silver fir	8.5		3 - Fair	Remove
656	400	6072200440	Abies alba	European silver fir	12.5		3 - Fair	Remove
657	402	6072200440	Abies alba	European silver fir	13.5		 3 - Fair	Remove
658	401	6072200440	Abies alba	European silver fir	12		4 - Poor	Remove

feld       effet       fers       fers       fers       fers       fers       fers       fers         feld       440       000000000000000000000000000000000000	659	406	6072200440	Abies alba	European silver fir	15					3 - Fair	Remove
non-       non-       non-       non-       non-       non-       non-       non-         164       10       00220000       Tabalata       Nacan reada       1       12.00000       12.0000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.00000       12.	660	405	6072200440	Abies alba	European silver fir	18					3 - Fair	Remove
Ref       All       Marxin Mark       Harrie       All       All<	661	410	6072200440	Prunus avium	Sweet cherry	13					3 - Fair	Remove
and bisand bisbisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bisand bis<	662	411	6072200440	Malus domestica	Apple	12					3 - Fair	Remove
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143 $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ <th< td=""><td>664</td><td>420</td><td>6072200440</td><td>Thuja plicata</td><td>Western red cedar</td><td>32</td><td></td><td></td><td></td><td></td><td>3 - Fair</td><td>Remove</td></th<>	664	420	6072200440	Thuja plicata	Western red cedar	32					3 - Fair	Remove
att       bit	665	422	6072200440	Pinus nigra	Austrian pine	16					3 - Fair	Remove
10       11       0012 (MMM)       Number for the plotter       14       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       13       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14 <td>666</td> <td>421</td> <td>6072200440</td> <td>Thuja plicata</td> <td>Western red cedar</td> <td>22</td> <td></td> <td></td> <td></td> <td></td> <td>3 - Fair</td> <td>Remove</td>	666	421	6072200440	Thuja plicata	Western red cedar	22					3 - Fair	Remove
abs       boundary of the particulation       boundary of the	667	414	6072200440	Thuja plicata	Western red cedar	14					3 - Fair	Remove
100       100       100       100       100       100         100       100       100       100       100       100       100         101       101       100       100       100       100       100       100       100         101       101       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       1	668	415	6072200440	Thuja plicata	Western red cedar	15	13				3 - Fair	Remove
1 mile         671       473       6072200660       Aber plantam       Appreter maple       1/5       1 - Good       Remove         672       431       1951700130       Paudotsaga mentelil       Dougles fri       21       4 - Poor       Remove         673       432       1951700130       Paudotsaga mentelil       Dougles fri       21       4 - Poor       Remove         674       432       1951700130       Paudotsaga mentelil       Dougles fri       21       4 - Poor       Remove         676       433       1951700130       Paudotsaga mentelil       Dougles fri       21       4 - Poor       Remove         677       463       1951700200       Asculus california       California buckaye       65       3 - Good       Asculus california       6 - Remove         678       467       1951700800       Asculus california       California buckaye       6 - Remove       3 - fair       Remove         679       466       1951700800       Asculus california       California buckaye       12 - Good       Asculus california       6 - Remove         640       1951700800       Asculus california <td>669</td> <td>416</td> <td>6072200440</td> <td>Thuja plicata</td> <td>Western red cedar</td> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td>3 - Fair</td> <td>Remove</td>	669	416	6072200440	Thuja plicata	Western red cedar	9					3 - Fair	Remove
1       4/3       01720000       Punus avium       Sweet cherry       1/3       1/3       1.5 elellent       Remove         672       432       1351700130       Pseudotauga mendesi       Douglas-fr       21       4.7 eoor       Remove         673       433       1951700130       Pseudotauga mendesi       Douglas-fr       1.5       4.7 eoor       Remove         674       432       1951700130       Pseudotauga mendesi       Douglas-fr       1.5       4.7 eoor       Remove         675       433       1951700300       Resulta california       California buckeye       10       3       3       3       2.6 ood       Remove         676       68       1951700800       Resulta california       California buckeye       10       3       3       3       2.6 ood       Remove         677       68       1951700800       Aesolus california       California buckeye       12.5       3.7 air       Remove         678       647       1951700800       Robina paedocacia       Back locust       12.5       3.7 air       Remove         680       646       1951700800       Robina california       California buckeye       12.5       3.7 air       Remove	670	418	6072200440	Thuja plicata	Western red cedar	16					4 - Poor	Remove
10       10       10       1.1 Statulet       1	671	425	6072200450	Acer palmatum	Japanese maple	17.5					2 - Good	Remove
673       431       1931/0020       Peudotuga mentesi       Douglos fri 15.       15.       41. Poor       Remove         674       432       1951/0020       Peudotuga mentesi       Douglos fri 15.       15.       42. Poor       Remove         675       433       1951/0020       Hex aquifolium       Engloh holy       10       3       3       3       2.Good       Remove         676       646       1951/0080       Acculus california buckeye       10       3       3       3       2.Good       Remove         677       468       1951/0080       Acculus california buckeye       10       3. Fair       Retain         678       467       1951/0080       Acculus california buckeye       12       3. Fair       Retain         679       456       1951/0080       Acculus california buckeye       12       3. Fair       Retain         680       466       1951/0080       Acculus california buckeye       12       3. Fair       Retain         681       463       1951/0080       Acculus california buckeye       12       3. Fair       Retain         682       533       1951/0080       Acculus california buckeye       13       3. Fair       Remove	672	428	1951700140	Prunus avium	Sweet cherry	10					1 - Excellent	Remove
15.7       15.2       15.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.6       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.5       16.4       16.4	673	431	1951700130	Pseudotsuga menziesii	Douglas-fir	21					4 - Poor	Remove
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93     93     93000000     Pacebar an eddal     Departs     93     4 here     Harrad       64     937     93000000     Pice a     5900 90000     13     4 here     Kanna       64     635     41000000     Pice a     5900 90000     10     4 here     Kanna       64     53     41000000     Macchar an eddal     Dopto 1     10     4 here     Kanna       64     53     41000000     Macchar an eddal     Dopto 1     10     4 here     Manna       64     53     11000000     Macchar an eddal     Dopto 1     10     4 here     Manna       76     53     11000000     Pice from 1     Dopto 1     10     4 here     Manna       76     53     11000000     Pice from 1     10     10     10     Manna       76     53     11000000     Pice from 1     10     10     10     Manna       76     53     11000000     Pice from 1     10     10     10     10       76     53     11000000     Pice from 1     10     10     10     10       76     53     110000000     Pice from 1     10     10     10     10       76     53 <th>692</th> <th>534</th> <th>1951700770</th> <th>Prunus avium</th> <th>Sweet cherry</th> <th>13</th> <th>3 - Fair</th> <th>Remove</th>	692	534	1951700770	Prunus avium	Sweet cherry	13	3 - Fair	Remove
141       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2         152       2.1.2       1.2.2       1.1.2       1.1.2       1.1.2       1.1.2         163       2.1.2       1.2.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2         164       3.0       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2       1.1.2	693	538	6308000370	Pseudotsuga menziesii	Douglas-fir	10	4 - Poor	Remove
10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <th< td=""><td>694</td><td>537</td><td>6308000370</td><td>Picea sp.</td><td>Spruce species</td><td>10.5</td><td>4 - Poor</td><td>Remove</td></th<>	694	537	6308000370	Picea sp.	Spruce species	10.5	4 - Poor	Remove
10       10       11       11       11       11       11       11       11         161       50       1517020       Nedflag metal       Degle fr       31       14.00       14.00       16.00         161       50       1517020       Nedflag metal       Degle fr       31       14.00       16.00         170       53       1517020       Nedflag metal       Degle fr       32       14.00       16.00         170       53       1517020       Nag letterphyle       Weten releast       32       14.00       16.00         170       53       1517020       Nag letterphyle       Weten releast       12       16.00       14.00       16.00         170       54       1517020       Nag letterphyle       Weten releast       12       16.00       16.00       16.00         170       54       1517020       Nag letter       16.00       16.00       16.00       16.00       16.00         171       54       1517020       Nag letter       16.00       16.00       16.00       16.00       16.00       16.00       16.00       16.00       16.00       16.00       16.00       16.00       16.00       16.00       16.00 </td <td>695</td> <td>536</td> <td>6308000370</td> <td>Picea sp.</td> <td>Spruce species</td> <td>11</td> <td>4 - Poor</td> <td>Remove</td>	695	536	6308000370	Picea sp.	Spruce species	11	4 - Poor	Remove
100     120     120     120     120     120       101     120     120     120     120     120       102     511     521     120     120     120     120       100     52     1537000     100 ap data     12     14.9ar     1400a       100     52     1537000     100 ap data     12     14.9ar     1400a       101     52     1537000     100 ap data     12     14.9ar     1400a       102     52     1537000     100 ap data     12     14.9ar     1400a       102     52     1537000     100 ap data     12     14.9ar     1400a       103     52     1537000     100 ap data     12     1400a     14.9ar     1400a       102     52     1537000     100 ap data     1400a     12     1400a     1400a       104     53     53     1537000     100 ap data     1400a     12     1400a       105     52     1537000     100 ap data     100 ap data     12     1400a     1400a       105     153800     100 ap data     100 ap data     12     1400a     1400a     1400a       105     153800     100 ap data     100 ap	696	535	6308000370	Pseudotsuga menziesii	Douglas-fir	13	3 - Fair	Remove
ass       iss       iss       iss       iss       iss       iss       iss         66       51       61000       Alege       Good Iss       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610       610	697	549	1951700740	Thuja plicata	Western red cedar	32	4 - Poor	Remove
abs       iss	698	550	1951700740	Pseudotsuga menziesii	Douglas-fir	24	4 - Poor	Remove
11     13     11     11     11     11     11     11     11       121     52     15110000     Tugh hetergopuk     Wetern henkok     14     4. hoot     Hencore       123     52     15110000     Tugh hetergopuk     Wetern henkok     14     4. hoot     Hencore       134     54     15110000     Tugh hetergopuk     Wetern henkok     12     4. hoot     Hencore       136     54     15110000     Tugh hetergopuk     Wetern henkok     12     4. hoot     Hencore       136     56     15110000     Tugh hetergopuk     Wetern henkok     13     4. hoot     Hencore       137     52     155110000     Tugh hetergopuk     Metern et dedat     14     4. hoot     Hencore       138     56     155110000     Tugh hetergopuk     14     5.     Hencore       139     52     15511000     Tugh hetergopuk     4. hoot     Hencore       141     41     41. hoot     Hencore     4. hoot     Hencore       142     53     15511000     Tugh hetergopuk     4. hoot     Hencore       143     54     15511000     Tugh hetergopuk     4. hoot     Hencore       141     54     15511000 <td< td=""><td>699</td><td>551</td><td>1951700740</td><td>Abies grandis</td><td>Grand fir</td><td>15.5</td><td>4 - Poor</td><td>Remove</td></td<>	699	551	1951700740	Abies grandis	Grand fir	15.5	4 - Poor	Remove
11       3.0       1.321/3010       Taige herrophyla       Vector herriods       1         12       531       1351/0070       Taige herrophyla       Vector herriods       12       4.1000       Herrophyla         13       531       1351/0070       Taige herrophyla       Vector herriods       12       4.1000       Herrophyla         14       541       1351/0070       Taige herrophyla       Vector Herriods       12       4.1000       Herrophyla         174       543       1351/0070       Taige herrophyla       Vector Herriods       13       4.1000       Herrophyla         174       543       1351/0070       Taige herrophyla       Vector Herriods       13       4.1000       Herrophyla         174       543       1351/0070       Taige herrophyla       Vector Herriods       13       4.1000       Herrophyla         174       543       1351/0070       False herrophyla       Daigles/fr       13       4.1000       Herrophyla       Herrophyla         174       543       1351/0070       False herrophyla       Allele herrophyla       14       3.1200       Herrophyla       Herrophyla         171       341       573       13511/000       False herrophyla       1004	700	552	1951700740	Picea sp.	Spruce species	12	4 - Poor	Remove
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136 $135$ $135$ $135$ $1400$ $1400$ $1400$ $706$ $56$ $155$ $155$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $10000$ $10000$ $100000$ $1000000$ $1000000000000000000000000000000000000$	703	563	1951700740	Tsuga heterophylla	Western hemlock	12	4 - Poor	Remove
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Area       Area       Area       Area         1708       569       195180000       Thula sp.       Cedar species       9       2. Good       Retain         1709       578       195180000       Prus pyrifolia       Alain pear       8       3. Fair       Retain         1711       581       195180000       Salix Laiandra       Pacific willow       10       3. Fair       Remove         1712       580       195180000       Salix Laiandra       Pacific willow       17       3. Fair       Remove         1713       577       195180000       Salix Laiandra       Pacific willow       17       2.4       Remove         1714       615       195180100       Thuja occidentalis       Eastern arborvitae       8       2. Good       Remove         1715       615       195180100       Thuja occidentalis       Eastern arborvitae       8       2. Good       Remove         1714       616       195180100       Thuja occidentalis       Eastern arborvitae       8       2. Good       Remove         1715       615       195180100       Prus ordientalis       Douglas-fir       8.4       3. Fair       Anove         1718       66       195180100	707	572	1951810080	Pseudotsuga menziesii	Douglas-fir	10	4 - Poor	Remove
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1.1       3.1 al       Junction       3.1 al       3.1 al       Minitor         1/2       3.87       Junction       Aller of the del after       1.3       3.1 al       Aller of the del after         1/2       3.87       Junction       Aller of the del after       1.3       3.1 al       Aller of the del after         1/2       3.89       Junction       Aller of the del after       1.3       3.1 al       Aller of the del after         1/2       3.89       Junction       Aller of the del after       1.2       3.1 al       Aller of the del after         1/2       3.89       Junction       Aller of the del after       1.2       3.1 al       Aller of the del after         1/2       3.81       Junction       Aller of the del after       1.2       3.1 al       Aller of the del after         1/2       3.81       Junction       Aller of the del after       1.2       3.1 al       Aller of the del after       1.2	730	85	1024059089	Salix babylonica	Weeping willow	10				3 - Fair	Retain
123 $201$ $101$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ $11 + 201$ <	731	3872	1024059130	Alnus rubra	Red alder	12				3 - Fair	Remove
13       36.0       Luestration       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1       10.1	732	3871	1024059130	Alnus rubra	Red alder	10				3 - Fair	Remove
13       368       1000 (000000000000000000000000000000000	733	3870	1024059130	Alnus rubra	Red alder	10.5				3 - Fair	Remove
13       368       10.00000330       Aburu ubur       Relation       14.5       9       3.1 and       Method         736       16.64       10.000330       Aburu ubur       Relation       1.6       1.6 int       Remove         737       94       342592010       Metaperatropoli leylandi       Leyland opresi       9       2.0 cood       Remove         738       93       345592010       Metaperatropoli leylandi       Leyland opresi       9       2.0 cood       Remove         739       31       345592010       Metaperatropoli leylandi       Leyland opresi       9       2.0 cood       Remove         740       88       345592010       Metaperatropoli leylandi       Leyland opresi       9       2.0 cood       Remove         741       92       345592010       Metaperatropoli leylandi       Leyland opresi       9       2.0 cood       Remove         742       3475       0.305330       Abaru adra       Relation       9       4.0 cood       Remove         744       10.405310       Abaru adra       Relation       10       4.0 cood       Remove         745       377       10.3059310       Abaru adra       Relation       10       2.0 cood       Rem	734	3869	1024059130	Alnus rubra	Red alder	10				3 - Fair	Remove
1A3       1A3       1A3       1A3       1A4       1A4       1A4       1A4         737       94       34250500       Metaperotrops keyndl       Leyndr typres       9       2.6od       Renove         738       93       342505010       Metaperotrops keyndl       Leyndr typres       9       2.6od       Renove         740       89       342505010       Metaperotrops keyndl       Leyndr typres       9       2.6od       Renove         741       92       342505010       Metaperotrops keyndl       Leyndr typres       9       2.6od       Renove         742       97       124059330       Anna noha       Red alor       8       2.6od       Renove         743       22       342505010       Mana noha       Red alor       8       2.6od       Renove         744       387       124059330       Anna noha       Red alor       8       2.6od       Renove         744       387       1024059130       Anna noha       Red alor       10       2.6od       Renove         745       32       324505010       Anna noha       Red alor       10       2.6od       Renove         746       70       12405930       Anna	735	3866	1024059130	Alnus rubra	Red alder	12.5	9			3 - Fair	Remove
$13^\circ$ $34^\circ$ $12 \times 108^\circ$ $14^\circ$	736	3868	1024059130	Alnus rubra	Red alder	14.5				3 - Fair	Remove
33 $34$ Second $4$ -based $4$ -based $4$ -based $4$ -based $4$ -based $739$ $31$ $342503010$ $4$ -begretorpois leylandi       Leyland cyress $9$ $2$ -Good       Remove $740$ $92$ $342503010$ $4$ -begretorpois leylandi       Leyland cyress $9$ $2$ -Good       Remove $741$ $92$ $342503010$ $4$ -begretorpois leylandi       Leyland cyress $9$ $2$ -Good       Remove $742$ $387$ $102459130$ Alms ruhra       Red alder $8$ $4$ -beor       Remove $743$ $322$ $342503010$ $4$ -begretorpois leylandi       Leyland cyress $14$ $2$ -Good       Remove $743$ $322$ $342503010$ $4$ -begretorpois leylandi       Red alder $10$ $2$ -Good       Remove $744$ $3874$ $102459130$ Alms ruhra       Red alder $10$ $4$ -beor       Remove $745$ $3873$ $102459130$ Alms ruhra       Red alder $10$ $4$ -beor       Retain $747$ $70$ $122559272$ Menodryme	737	94	3425059010	×Hesperotropsis leylandii	Leyland cypress	10				2 - Good	Remove
$13^{1}$ $34239301$ $10^{10}$ $10^{10}$ $10^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$	738	93	3425059010	×Hesperotropsis leylandii	Leyland cypress	9				2 - Good	Remove
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ha $ha$	740	89	3425059010	×Hesperotropsis leylandii	Leyland cypress	8				2 - Good	Remove
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744 $3874$ $1024053130$ $Ans rubra$ $Red alder$ $12$ $4 + root$ $4 + root$ $Red nove$ $745$ $3873$ $1024059130$ $Ans rubra$ $Red alder$ $10$ $4 + Poor$ $Remove$ $746$ $71$ $1024059130$ $Salix babylonica$ $Weeping willow$ $20$ $3 + Fait$ $Retain$ $747$ $70$ $2225059272$ $Pseudotsuga menziesi$ $Douglas-fir134 - PoorRetain74839061024059130Are macrophyllumBigleg maple102 - GoodRetain74939021024059130Anus rubraRed alder93 - FairRetain75038981024059130Anus rubraRed alder9.53 - FairRetain7512148781121080Pseudotsuga menziesiDouglas-fir13.34 - PoorRetain75238991024059130Salix lasiandraPacfic willow1263 - FairRetain75339001024059130Salix lasiandraRed alder9.203 - FairRetain75339001024059130Anus rubraRed alder9.2103 - FairRetain75439001024059130Anus rubraRed alder9.2103 - FairRetain75439001024059130Anus rubraRetaider9.210$	743	32	3425059010	×Hesperotropsis leylandii	Leyland cypress	14				2 - Good	Remove
1433873122059130Salk babylonicaWeeping willow203 - FairRetain74671122059227Pieudotsuga menziesiiDouglas-fir134 - PoorRemove7483906122059130Acer macrophyllumBigleaf maple102 - GoodRetain74939021024059130Anor rubraRed alder92 - GoodRetain74939021024059130Alnus rubraRed alder93 - FairRetain74939021024059130Alnus rubraRed alder9.53 - FairRetain7512148781120180Pieudotsuga menziesiiDouglas-fir13.34 - PoorRetain75238991024059130Salk lasiandraPacific willow1263 - FairRetain75339001024059130Salk lasiandraPacific willow1412103 - FairRetain75439041024059130Alnus rubraRed alder9.253 - FairRetain7552631024059130Alnus rubraRed alder9.253 - FairRetain7552631024059130Alnus rubraRed alder9.253 - FairRetain7552631024059130Alnus rubraRed alder9.22 - GoodRetain7552631024059130Alnus rubraRed alder9.22 - GoodRetain7552631024059140 <td>744</td> <td>3874</td> <td>1024059130</td> <td>Alnus rubra</td> <td>Red alder</td> <td>12</td> <td></td> <td></td> <td></td> <td>4 - Poor</td> <td>Remove</td>	744	3874	1024059130	Alnus rubra	Red alder	12				4 - Poor	Remove
AsABotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossitsBotossits </td <td>745</td> <td>3873</td> <td>1024059130</td> <td>Alnus rubra</td> <td>Red alder</td> <td>10</td> <td></td> <td></td> <td></td> <td>4 - Poor</td> <td>Remove</td>	745	3873	1024059130	Alnus rubra	Red alder	10				4 - Poor	Remove
AAAS22203272A cer macrophyllumBiglest maple10A cer macrophyllumBiglest maple10A cer macrophyllumBiglest maple10A cer macrophyllumBiglest maple10A cer macrophyllumRetain74939021024059130Alnus rubraRed alder93 - FairRetain75038981024059130Alnus rubraRed alder9.53 - FairRetain75121487811210180Pseudotsuga menziesiiDouglas-fir13.34 - PoorRetain75238991024059130Salix lasiandraPacific willow1263 - FairRetain75339001024059130Salix lasiandraPacific willow1412103 - FairRetain75439441024059130Alnus rubraRed alder93 - FairRetainRetain75439041024059130Alnus rubraRed alder93 - FairRetain755226332405906Alnus rubraRed alder9.22 - GoodRetain	746	71	1024059119	Salix babylonica	Weeping willow	20				3 - Fair	Retain
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756         3908         1024059130         Acer macrophyllum         Bigleaf maple         18         3 - Fair         Retain	755	2263	324059066			9.2				2 - Good	Retain
	756	3908	1024059130	Acer macrophyllum	Bigleaf maple	18				3 - Fair	Retain

757	3907	1024059130	Acer macrophyllum	Bigleaf maple	9.8				3 - Fair	Retain
758	3911	1024059130	Alnus rubra	Red alder	12				4 - Poor	Remove
759	3910	1024059130	Arbutus menziesii	Pacific madrone	10				2 - Good	Remove
760	2295	324059066	Alnus rubra	Red alder	8.4				3 - Fair	Retain
761	2296	3425059010	×Hesperotropsis leylandii	Leyland cypress	14				2 - Good	Remove
762	2297	3425059010	×Hesperotropsis leylandii	Leyland cypress	14				2 - Good	Remove
763	2298	3425059010	×Hesperotropsis leylandii	Leyland cypress	18				2 - Good	Remove
764	2299	3425059010	×Hesperotropsis leylandii	Leyland cypress	12.5				2 - Good	Remove
765	3347	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
766	2153	7811210180	×Hesperotropsis leylandii	Leyland cypress	8.8				3 - Fair	Retain
767	2154	7811210180	Prunus serrulata	Japanese flowering cherry	8.6				3 - Fair	Retain
768	3884	1024059130	Alnus rubra	Red alder	9				2 - Good	Remove
769	3885	1024059130	Alnus rubra	Red alder	8				4 - Poor	Retain
770	3886	1024059130	Alnus rubra	Red alder	8.9				4 - Poor	Retain
771	3887	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
772	3889	1024059130	Alnus rubra	Red alder	11	5			3 - Fair	Retain
773	3888	1024059130	Alnus rubra	Red alder	8.5				3 - Fair	Retain
774	3894	1024059130	Alnus rubra	Red alder	8				3 - Fair	Retain
775	3893	1024059130	Acer macrophyllum	Bigleaf maple	8				3 - Fair	Retain
776	3892	1024059130	Alnus rubra	Red alder	9	4			3 - Fair	Retain
777	3891	1024059130	Alnus rubra	Red alder	11				3 - Fair	Retain
778	3895	1024059130	Acer macrophyllum	Bigleaf maple	10				2 - Good	Retain
779	3881	1024059130	Acer macrophyllum	Bigleaf maple	10				2 - Good	Retain
780	3890	1024059130	Alnus rubra	Red alder	10	8			3 - Fair	Retain
781	3896	1024059130	Alnus rubra	Red alder	14				3 - Fair	Retain
782	3897	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
783	3348	1024059130	Alnus rubra	Red alder	8	5			3 - Fair	Retain
784	3350	1024059130	Alnus rubra	Red alder	12	11			3 - Fair	Retain
785	3349	1024059130	Alnus rubra	Red alder	8	8			3 - Fair	Retain
786	3352	1024059130	Alnus rubra	Red alder	9	8			3 - Fair	Retain
787	3353	1024059130	Alnus rubra	Red alder	10	8	6	5	3 - Fair	Retain
788	3354	1024059130	Alnus rubra	Red alder	8	7			3 - Fair	Retain
789	3355	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain

790	3356	1024059130	Alnus rubra	Red alder	10	3 - Fair	Retain
791	3357	1024059130	Alnus rubra	Red alder	9	3 - Fair	Retain
792	33	9538900020	Malus domestica	Apple	8	2 - Good	Remove
793	46	9538900030	Prunus serrulata	Japanese flowering cherry	13.7	3 - Fair	Remove
794	48	9538900020	Malus domestica	Apple	11.1	3 - Fair	Retain
795	2655	1524059005	Quercus palustris	Pin oak	13.2	2 - Good	Retain
796	2677	1524059005	Pinus pungens	Table mountain pine	10.8	3 - Fair	Retain
797	2714	1524059032	Pinus nigra	Austrian pine	12.7	2 - Good	Retain
798	2562	2206500240	Malus domestica	Apple	12.4	3 - Fair	Retain
799	2531	1024059123	Populus balsamifera	Black cottonwood	9	4 - Poor	Retain
800	2758	7856640010	Thuja plicata	Western red cedar	8.4	3 - Fair	Retain
801	2760	7856640020	Pseudotsuga menziesii	Douglas-fir	12.4	3 - Fair	Retain
802	2787	7856640020	Thuja plicata	Western red cedar	10.8	4 - Poor	Retain
803	2776	7856640020	Prunus avium	Sweet cherry	11.8	3 - Fair	Retain
804	2800	7856640020	Pseudotsuga menziesii	Douglas-fir	14.6	4 - Poor	Retain
805	2801	7856640020	Acer macrophyllum	Bigleaf maple	8	4 - Poor	Retain
806	2815	7856640030	Acer macrophyllum	Bigleaf maple	8.6	3 - Fair	Retain
807	2814	7856640030	Acer macrophyllum	Bigleaf maple	10.2	3 - Fair	Retain
808	3609	2600010580	Pseudotsuga menziesii	Douglas-fir	16.6	4 - Poor	Retain
809	3575	2600010620	Cedrus deodara	Deodar cedar	19.8	4 - Poor	Retain
810	3574	2600010620	Cedrus deodara	Deodar cedar	16.7	4 - Poor	Retain
811	3579	2600010620	Cedrus deodara	Deodar cedar	26	4 - Poor	Retain
812	3584	2600010620	Acer macrophyllum	Bigleaf maple	9	3 - Fair	Retain
813	3587	2600010630	Arbutus menziesii	Pacific madrone	10.9	3 - Fair	Retain
814	3588	2600010630	Acer macrophyllum	Bigleaf maple	8.6	2 - Good	Retain
815	3591	2600010630	Pseudotsuga menziesii	Douglas-fir	9	4 - Poor	Retain
816	3592	2600010630	Pseudotsuga menziesii	Douglas-fir	15.5	4 - Poor	Retain
817	3603	7855801540	Acer platanoides	Norway maple	13.1	3 - Fair	Retain
818	3602	7855801540	Acer platanoides	Norway maple	12	3 - Fair	Retain
819	440	1951700130	Thuja plicata	Western red cedar	28.5	2 - Good	Retain
820	568	1951810080	Populus balsamifera	Black cottonwood	47 34	2 - Good	Retain
821	620	1951810120	Betula pendula	European white birch	10.1	2 - Good	Remove
822	256	2124059001	Alnus rubra	Red alder	8.5	2 - Good	Retain

								-	
823	241	2124059001	Pseudotsuga menziesii	Douglas-fir	11			3 - Fair	Remove
824	237	2124059001	Alnus rubra	Red alder	9.5			2 - Good	Remove
825	218	2124059001	Acer platanoides	Norway maple	9.5			3 - Fair	Remove
826	219	2124059001	Acer platanoides	Norway maple	12			3 - Fair	Retain
827	3785	2124059001	Pseudotsuga menziesii	Douglas-fir	9.3			4 - Poor	Retain
828	3784	2124059001	Alnus rubra	Red alder	11.1			3 - Fair	Retain
829	3783	2124059001	Alnus rubra	Red alder	11.8			3 - Fair	Retain
830	3780	2124059001	Alnus rubra	Red alder	9.3			3 - Fair	Retain
831	3782	2124059001	Alnus rubra	Red alder	12.1			3 - Fair	Retain
832	3787	2124059001	Salix lasiandra	Pacific willow	9.7			4 - Poor	Retain
833	3792	2124059001	Acer macrophyllum	Bigleaf maple	13			4 - Poor	Remove
834	3794	2124059001	Alnus rubra	Red alder	9.3			4 - Poor	Retain
835	3793	2124059001	Acer macrophyllum	Bigleaf maple	11			4 - Poor	Remove
836	3797	2124059001	Alnus rubra	Red alder	12.7			4 - Poor	Retain
837	3798	2124059001	Acer macrophyllum	Bigleaf maple	11.7			3 - Fair	Retain
838	3789	2124059001	Alnus rubra	Red alder	16			3 - Fair	Retain
839	665	1951830100	Salix scouleriana	Scouler's willow	12.9			2 - Good	Remove
840	694	1951830100	Salix scouleriana	Scouler's willow	8			3 - Fair	Retain
841	335	6072200360	Juniperus communis	Common juniper	23			3 - Fair	Retain
842	375	6072200410	Picea pungens var. glauca	Colorado blue spruce	19			2 - Good	Remove
843	392	6072200440	Pinus nigra	Austrian pine	16			4 - Poor	Remove
844	3089	7855800030	Arbutus menziesii	Pacific madrone	16.7			3 - Fair	Retain
845	3103	7855800040	Pseudotsuga menziesii	Douglas-fir	19.5			4 - Poor	Remove
846	3106	7855800040	Pseudotsuga menziesii	Douglas-fir	12.2			4 - Poor	Retain
847	3107	7855800040	Pseudotsuga menziesii	Douglas-fir	17.6			4 - Poor	Retain
848	3058	7856410010	Pinus contorta	Shore pine	9.3			4 - Poor	Retain
849	3337	7856410100	Pinus thunbergii	Japanese black pine	15.3	 		2 - Good	Remove
850	2959	7855000310	Chamaecyparis lawsoniana	Lawson falsecypress	12.5			2 - Good	Remove
851	2568	2206500435	Prunus serrulata	Japanese flowering cherry	8			2- Good	Remove
852	2705	1524059032	Prunus serrulata	Japanese flowering cherry	8			1- Excellent	Remove
853	2706	1524059032	Laurus nobilis	Bay laurel	9			4- Poor	Remove
854	2725	1524059032	Prunus domestica	Common plum	8			4- Poor	Remove
855	3403	7855801670	×Hesperotropsis leylandii	Leyland cypress	11			1- Excellent	Remove

856	3404	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
857	3405	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
858	3406	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
859	3407	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
860	3408	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
861	3409	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
862	3410	7855801670	×Hesperotropsis leylandii	Leyland cypress	10			1- Excellent	Remove
863	3411	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
864	3412	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
865	3413	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
866	3414	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
867	3415	7855801670	×Hesperotropsis leylandii	Leyland cypress	11			1- Excellent	Remove
868	3416	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
869	3417	7855801670	×Hesperotropsis leylandii	Leyland cypress	10			1- Excellent	Remove
870	3418	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
871	3419	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
872	3420	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
873	3801	2124059001	Alnus rubra	Red alder	8			1- Excellent	Remove
874	3799	2124059001	Acer macrophyllum	Bigleaf maple	8.2			1- Excellent	Remove
875	20271	No parcel number (ROW)	Acer macrophyllum	Bigleaf maple	10			1- Excellent	Remove

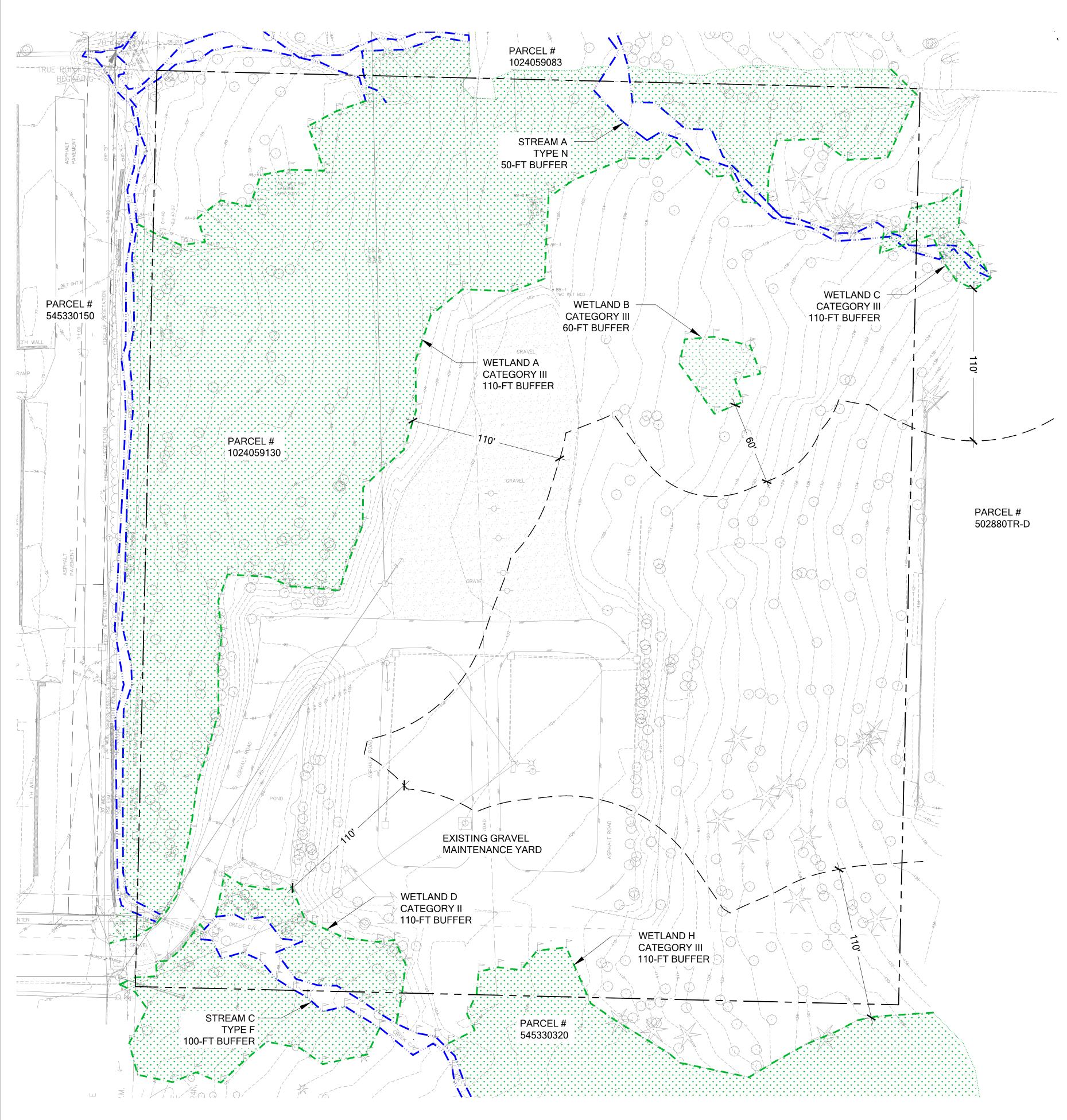
From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Thursday, November 08, 2018 10:29 AM
To:	Bedwell, Heidi
Subject:	Richards Creek substation mitigation plans
Attachments:	RIC_Mitigation_Plan.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

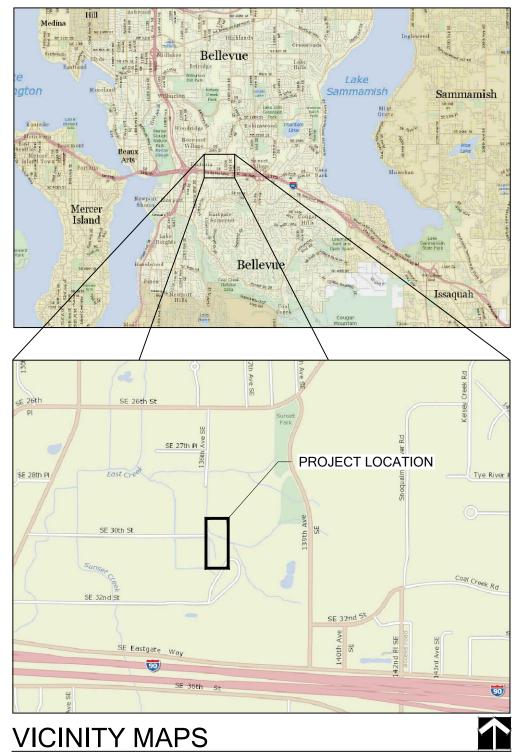
As discussed, attached are the mitigation plans for the Richards Creek substation site. Let me know if you need hard copies?

Thanks,

Brad



#### **EXISTING CONDITIONS** SCALE: 1" = 40'



#### <u>LEGEND</u>

WETLAND BOUNDARY
WETLAND BOUNDARY (APPROXIMA
——————————————————————————————————————
— — — — CRITICAL AREA BUFFER
—— — — — PROPERTY BOUNDARY

#### NOTES

- 1. CRITICAL AREAS DELINEATED BY THE WATERSHED COMPANY IN OCTOBER 2016, FEBRUARY 2017 AND APRIL 2017.
- SURVEY RECEIVED FROM APS SURVEY & MAPPING. 13221 S.E. 26TH STREET, SUITE A, BELLEVUE, WA 98005. PHONE: (425) 746-3200.

### SHEET INDEX W1 EXISTING CONDITIONS

- W2 SITE PREPARATION & TESC PLAN W3 GRADING & LARGE WOODY DEBRIS PLAN
- W4 ENHANCEMENT PLAN
- W5 PLANTING PLAN & SCHEDULE W6 PLANTING NOTES & DETAILS W7 MITIGATION NOTES

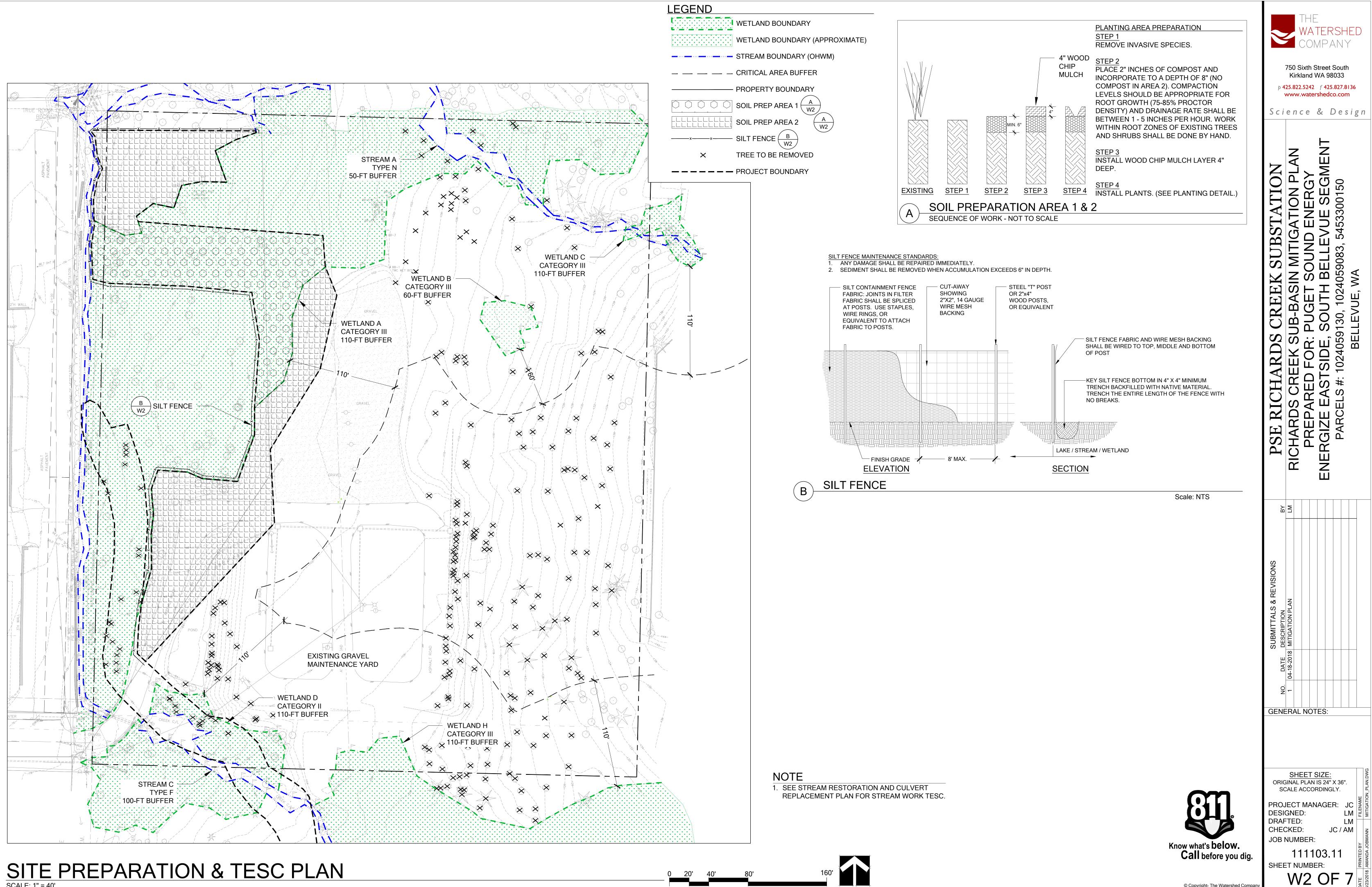




ATE)

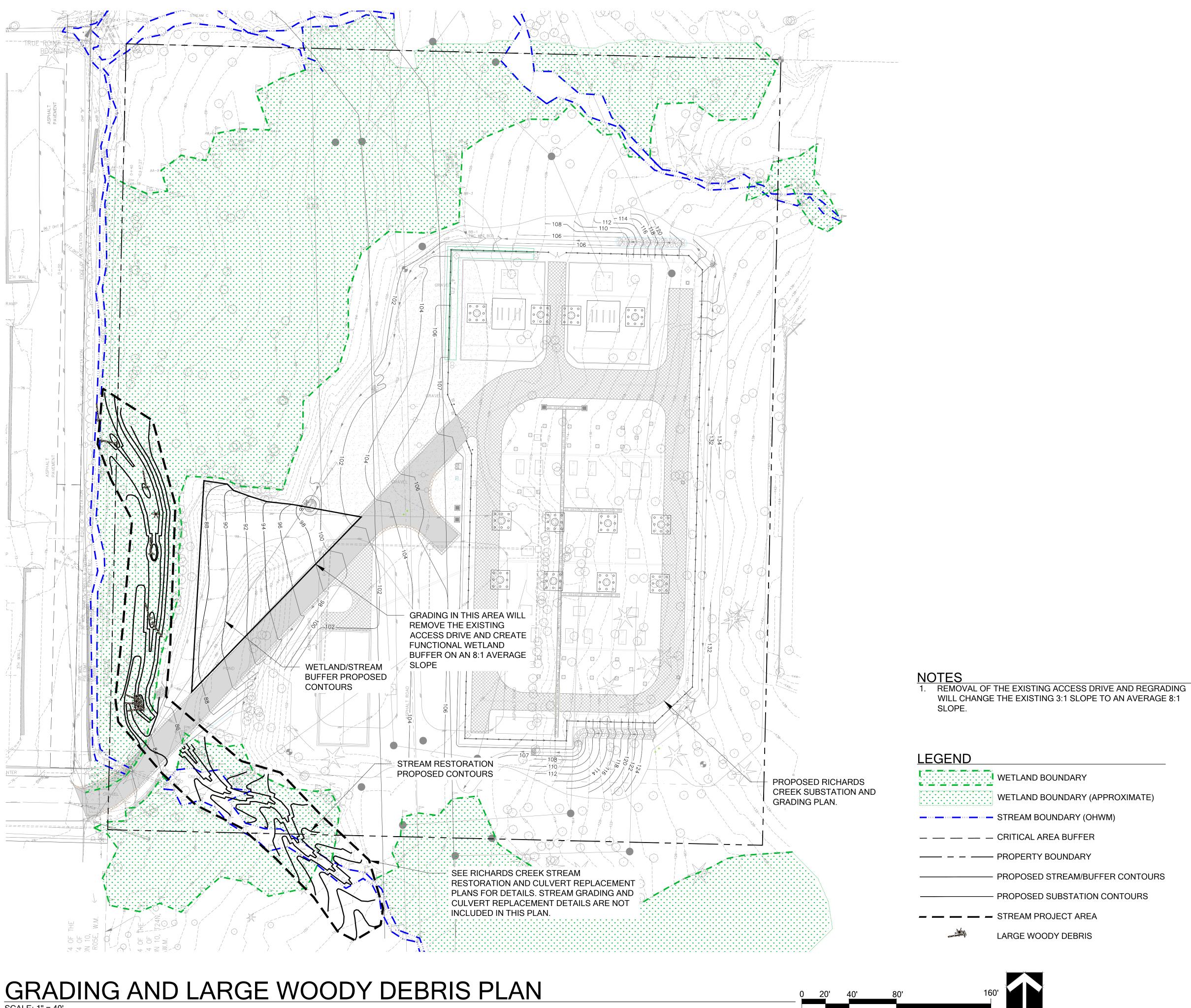
	p 4	THE WATERSHED COMPANY 750 Sixth Street South Kirkland WA 98033 25.822.5242 f 425.827.8136 www.watershedco.com ence & Desig	
	PSE RICHARDS CREEK SUBSTATION	RICHARDS CREEK SUB-BASIN MITIGATION PLAN PREPARED FOR: PUGET SOUND ENERGY ENERGIZE EASTSIDE, SOUTH BELLEVUE SEGMENT PARCELS #: 1024059130, 1024059083, 5453300150 BELLEVUE, WA	
	BY		
	SUBMITTALS & REVISIONS NO. DATE DESCRIPTION	1       04-18-2018       MITIGATION PLAN         1       04-18-2018       MITIGATION PLAN         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1	
	GENE	RAL NOTES:	
pany	PROJ DESI DRAF CHEC JOB I	SHEET SIZE: SINAL PLAN IS 24" X 36". CALE ACCORDINGLY. HECT MANAGER: JC GNED: LM TED: LM CKED: JC / AM NUMBER: 111103.11 T NUMBER: WIOF 7	018 AMANDA JOBMANN



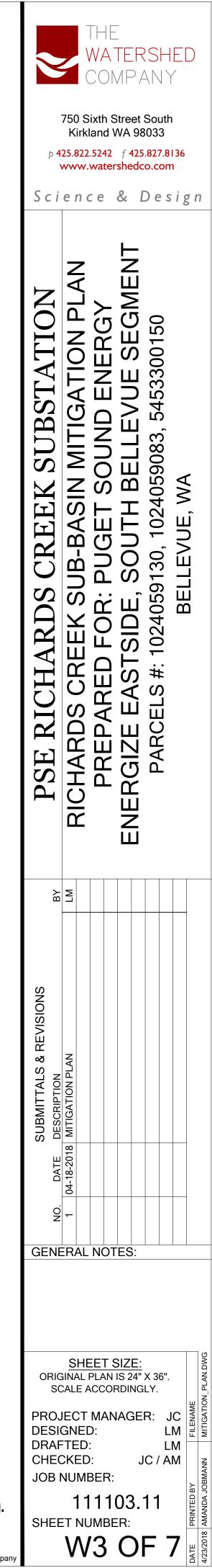


SCALE: 1" = 40'

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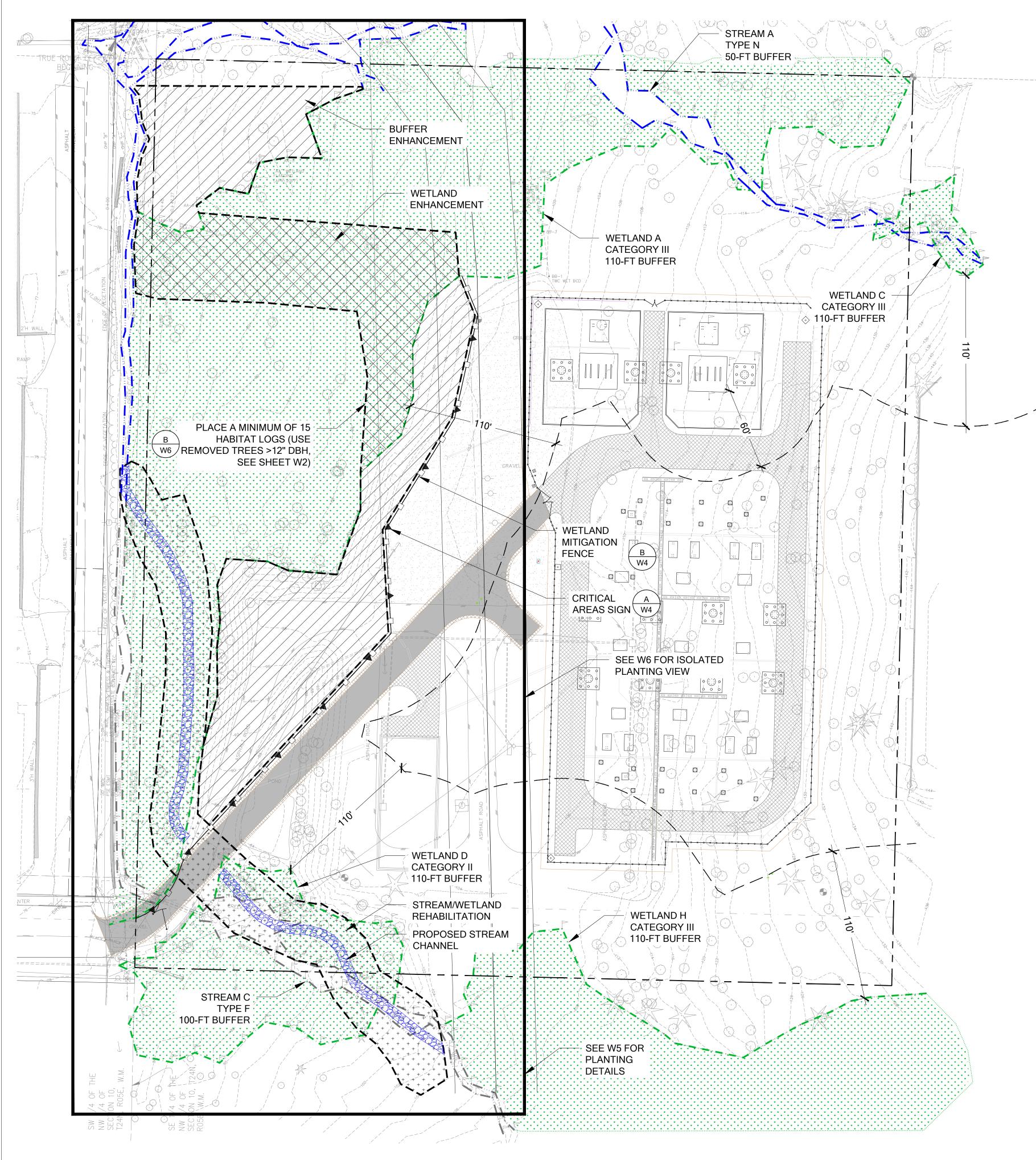


GRADING AND LARGE WOODY DEBRIS PLAN SCALE: 1" = 40'



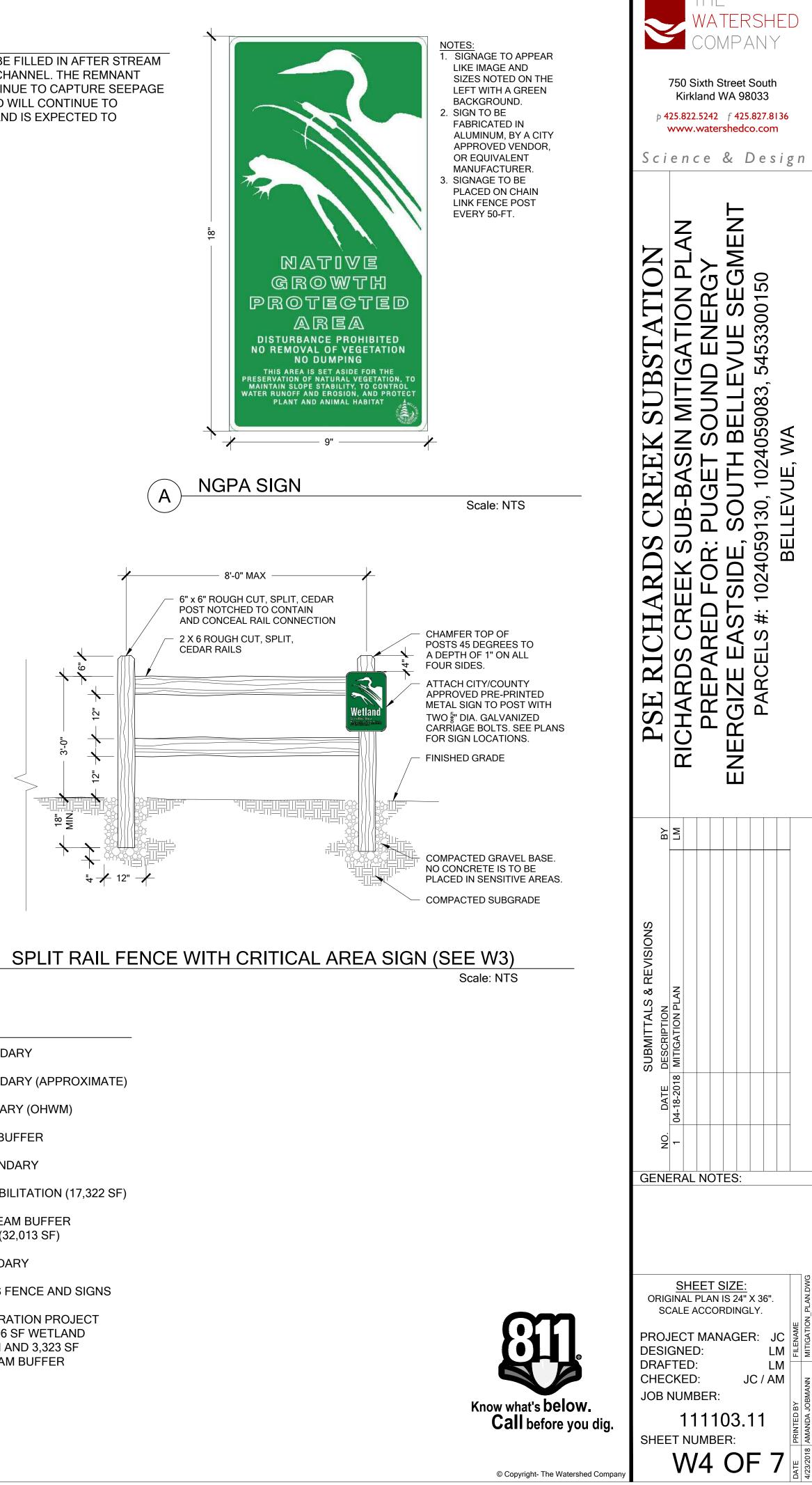
Know what's **below. Call** before you dig.

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ENHANCEMENT PLAN SCALE: 1" = 40'

NOTES 1. THE EXISTING CHANNEL WILL NOT BE FILLED IN AFTER STREAM FLOW IS DIVERTED INTO THE NEW CHANNEL. THE REMNANT CHANNEL IS ANTICIPATED TO CONTINUE TO CAPTURE SEEPAGE AND SHALLOW GROUNDWATER AND WILL CONTINUE TO PROVIDE ECOLOGICAL DIVERSITY AND IS EXPECTED TO FUNCTION AS WETLAND.



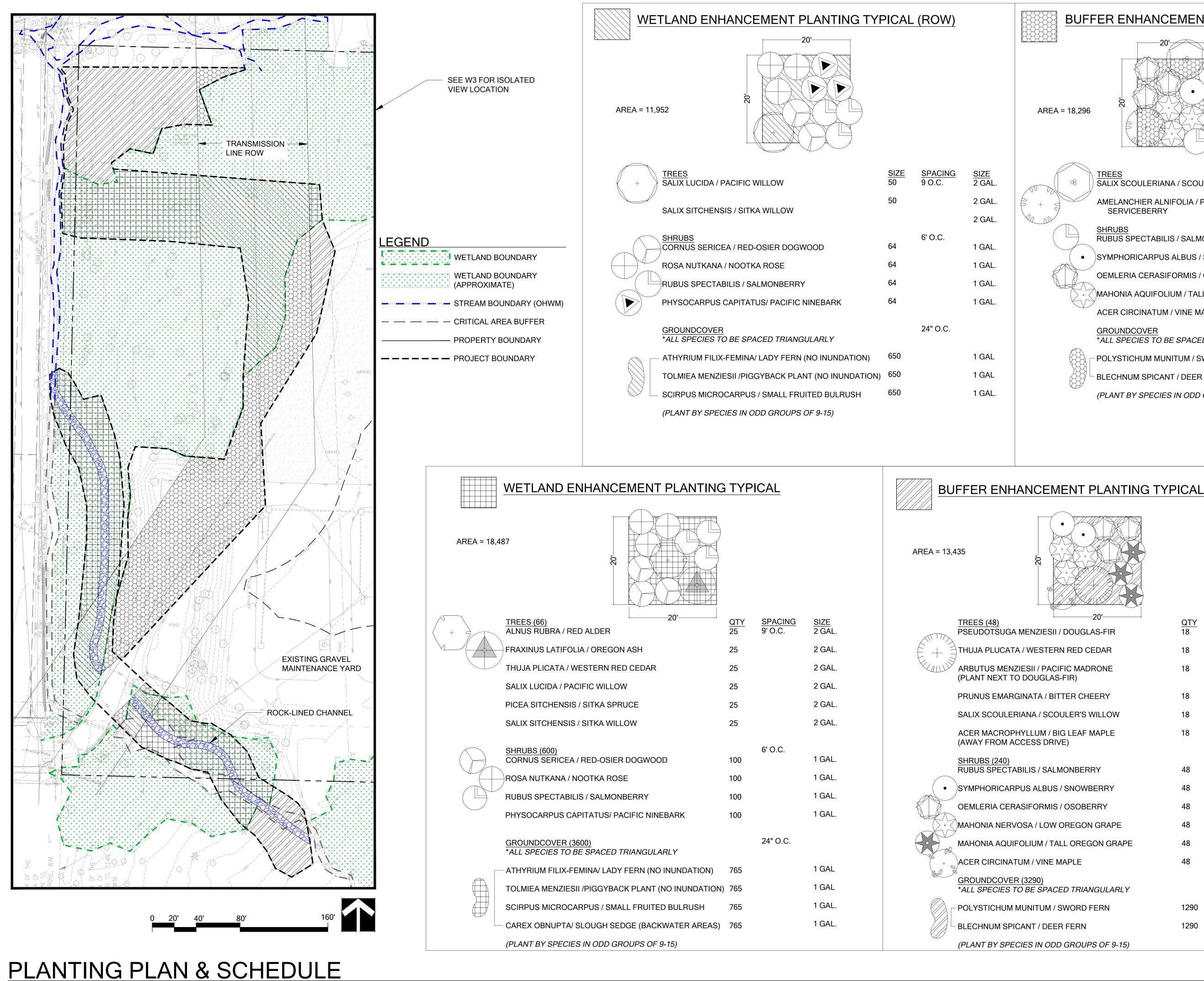
## B

#### <u>LEGEND</u>

WETLAND BOUNDARY
WETLAND BOUNDARY (APPROXIMATE)
 STREAM BOUNDARY (OHWM)
 CRITICAL AREA BUFFER
 PROPERTY BOUNDARY
WETLAND REHABILITATION (17,322 SF)
WETLAND / STREAM BUFFER ENHANCEMENT (32,013 SF)
 PROJECT BOUNDARY
 CRITICAL AREAS FENCE AND SIGNS
STREAM RESTORATION PROJECT (INCLUDES 13,396 SF WETLAND REHABILITATION AND 3,323 SF WETLAND/STREAM BUFFER ENHANCEMENT)



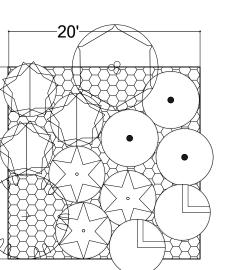
DSD 003668



SCALE: 1" = 40'

ES (66) JS RUBRA / RED ALDER	<u>QTY</u> 25	<u>SPACING</u> 9' O.C.	<u>SIZE</u> 2 GAL.
(INUS LATIFOLIA / OREGON ASH	25		2 GAL.
JA PLICATA / WESTERN RED CEDAR	25		2 GAL.
X LUCIDA / PACIFIC WILLOW	25		2 GAL.
A SITCHENSIS / SITKA SPRUCE	25		2 GAL.
X SITCHENSIS / SITKA WILLOW	25		2 GAL.
<u>JBS (600)</u> NUS SERICEA / RED-OSIER DOGWOOD	100	6' O.C.	1 GAL.
A NUTKANA / NOOTKA ROSE	100		1 GAL.
JS SPECTABILIS / SALMONBERRY	100		1 GAL.
SOCARPUS CAPITATUS/ PACIFIC NINEBARK	100		1 GAL.
<u>UNDCOVER (3600)</u> SPECIES TO BE SPACED TRIANGULARLY		24" O.C.	
RIUM FILIX-FEMINA/ LADY FERN (NO INUNDATION)	765		1 GAL
IEA MENZIESII /PIGGYBACK PLANT (NO INUNDATION)	765		1 GAL
PUS MICROCARPUS / SMALL FRUITED BULRUSH	765		1 GAL.
EX OBNUPTA/ SLOUGH SEDGE (BACKWATER AREAS)	765		1 GAL.
NT BY SPECIES IN ODD GROUPS OF 9-15)			

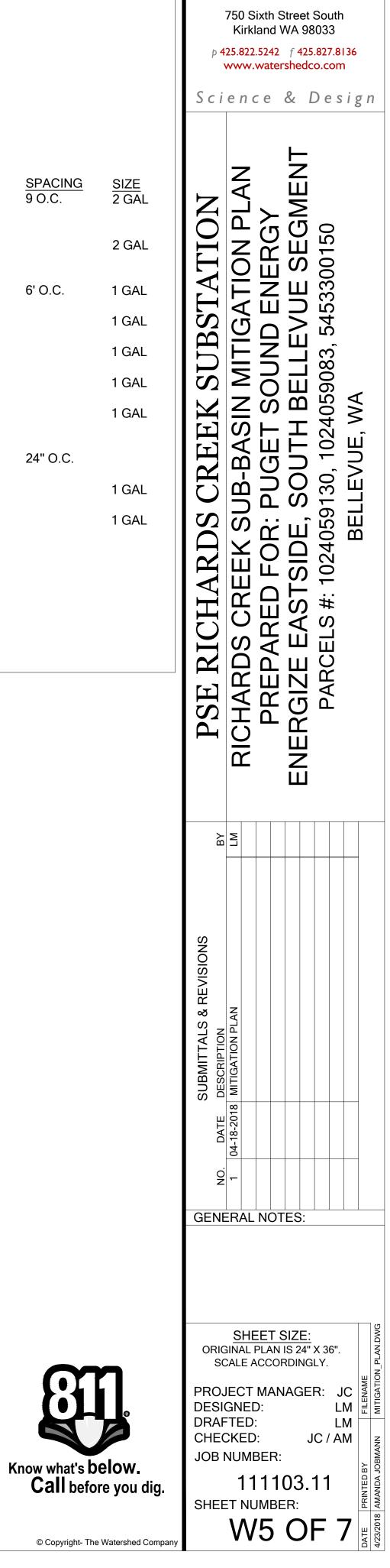
#### BUFFER ENHANCEMENT PLANTING TYPICAL (ROW)



	TREES SALIX SCOULERIANA / SCOULER'S WILLOW	<u>QTY</u> 75	<u>SPACING</u> 9 O.C.
	AMELANCHIER ALNIFOLIA / PACIFIC SERVICEBERRY	75	
	<u>SHRUBS</u> RUBUS SPECTABILIS / SALMONBERRY	80	6' O.C.
,	SYMPHORICARPUS ALBUS / SNOWBERRY	80	
	OEMLERIA CERASIFORMIS / OSOBERRY	80	
	MAHONIA AQUIFOLIUM / TALL OREGON GRAPE	80	
L	ACER CIRCINATUM / VINE MAPLE	80	
	<u>GROUNDCOVER</u> *ALL SPECIES TO BE SPACED TRIANGULARLY		24" O.C.
)   [	POLYSTICHUM MUNITUM / SWORD FERN	1490	
ĴĹ	BLECHNUM SPICANT / DEER FERN	1490	
	(PLANT BY SPECIES IN ODD GROUPS OF 9-15)		

ACING .C.	<u>SIZE</u> 2 GAL
	2 GAL
).C.	1 GAL
	1 GAL
O.C.	
	1 GAL
	1 GAL

20'			
UGLAS-FIR	<u>QTY</u> 18	<u>SPACING</u> 9' O.C.	<u>SIZE</u> 2 GAL
ED CEDAR	18		2 0 41
MADRONE )	18		2 GAL 2 GAL
R CHEERY	18		ZGAL
R'S WILLOW	18		2 GAL
EAF MAPLE	18		2 GAL
		6' O.C.	
BERRY	48		1 GAL
OWBERRY	48		1 GAL
OBERRY	48		1 GAL
GON GRAPE	48		1 GAL
REGON GRAPE	48		1 GAL
.E	48		1 GAL
RIANGULARLY		24" O.C.	
ORD FERN	1290		1 GAL
RN	1290		1 GAL
OUPS OF 9-15)			



WATERSHED

OMPANY

#### PLANT INSTALLATION SPECIFICATIONS

#### GENERAL NOTES

#### QUALITY ASSURANCE

- PLANTS SHALL MEET OR EXCEED THE SPECIFICATIONS OF FEDERAL, STATE, AND LOCAL LAWS REQUIRING INSPECTION FOR PLANT DISEASE AND INSECT CONTROL
- 2. PLANTS SHALL BE HEALTHY, VIGOROUS, AND WELL-FORMED, WITH WELL DEVELOPED, FIBROUS ROOT SYSTEMS, FREE FROM DEAD BRANCHES OR ROOTS. PLANTS SHALL BE FREE FROM DAMAGE CAUSED BY TEMPERATURE EXTREMES, LACK OR EXCESS OF MOISTURE, INSECTS, DISEASE, AND MECHANICAL INJURY. PLANTS IN LEAF SHALL BE WELL FOLIATED AND OF GOOD COLOR. PLANTS SHALL BE HABITUATED TO THE OUTDOOR ENVIRONMENTAL CONDITIONS INTO WHICH THEY WILL BE PLANTED (HARDENED-OFF)
- TREES WITH DAMAGED, CROOKED, MULTIPLE OR BROKEN LEADERS WILL BE REJECTED. WOODY PLANTS WITH ABRASIONS OF THE BARK OR SUN SCALD WILL BE REJECTED.
- 4. NOMENCLATURE: PLANT NAMES SHALL CONFORM TO FLORA OF THE PACIFIC NORTHWEST BY HITCHCOCK AND CRONQUIST UNIVERSITY OF WASHINGTON PRESS, 1973 AND/OR TO A FIELD GUIDE TO THE COMMON WETLAND PLANTS OF WESTERN WASHINGTON & NORTHWESTERN OREGON, ED. SARAH SPEAR COOKE, SEATTLE AUDUBON SOCIETY, 1997

#### DEFINITIONS

- 1. PLANTS/PLANT MATERIALS. PLANTS AND PLANT MATERIALS SHALL INCLUDE ANY LIVE PLANT MATERIAL USED ON THE PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO CONTAINER GROWN, B&B OR BAREROOT PLANTS; LIVE STAKES AND FASCINES (WATTLES); TUBERS, CORMS, BULBS, ETC.,; SPRIGS, PLUGS, AND LINERS
- 2. CONTAINER GROWN. CONTAINER GROWN PLANTS ARE THOSE WHOSE ROOTBALLS ARE ENCLOSED IN A POT OR BAG IN WHICH THAT PLANT GREW.

#### SUBSTITUTIONS

- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN SPECIFIED MATERIALS IN ADVANCE IF SPECIAL GROWING, MARKETING OR OTHER ARRANGEMENTS MUST BE MADE IN ORDER TO SUPPLY SPECIFIED MATERIALS.
- 2. SUBSTITUTION OF PLANT MATERIALS NOT ON THE PROJECT LIST WILL NOT BE PERMITTED UNLESS AUTHORIZED IN WRITING BY THE **RESTORATION CONSULTANT.**
- 3. IF PROOF IS SUBMITTED THAT ANY PLANT MATERIAL SPECIFIED IS NOT OBTAINABLE, A PROPOSAL WILL BE CONSIDERED FOR USE OF THE NEAREST EQUIVALENT SIZE OR ALTERNATIVE SPECIES, WITH CORRESPONDING ADJUSTMENT OF CONTRACT PRICE.
- 4. SUCH PROOF WILL BE SUBSTANTIATED AND SUBMITTED IN WRITING TO THE CONSULTANT AT LEAST 30 DAYS PRIOR TO START OF WORK UNDER THIS SECTION.

#### INSPECTION

- 1. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE **RESTORATION CONSULTANT FOR CONFORMANCE TO** SPECIFICATIONS, EITHER AT TIME OF DELIVERY ON-SITE OR AT THE GROWER'S NURSERY. APPROVAL OF PLANT MATERIALS AT ANY TIME SHALL NOT IMPAIR THE SUBSEQUENT RIGHT OF INSPECTION AND REJECTION DURING PROGRESS OF THE WORK.
- 2. PLANTS INSPECTED ON SITE AND REJECTED FOR NOT MEETING SPECIFICATIONS MUST BE REMOVED IMMEDIATELY FROM SITE OR RED-TAGGED AND REMOVED AS SOON AS POSSIBLE
- 3. THE RESTORATION CONSULTANT MAY ELECT TO INSPECT PLANT MATERIALS AT THE PLACE OF GROWTH. AFTER INSPECTION AND ACCEPTANCE, THE RESTORATION CONSULTANT MAY REQUIRE THE **INSPECTED PLANTS BE LABELED AND RESERVED FOR PROJECT** SUBSTITUTION OF THESE PLANTS WITH OTHER INDIVIDUALS, EVEN OF THE SAME SPECIES AND SIZE, IS UNACCEPTABLE.

#### MEASUREMENT OF PLANTS

- 1. PLANTS SHALL CONFORM TO SIZES SPECIFIED UNLESS
- SUBSTITUTIONS ARE MADE AS OUTLINED IN THIS CONTRACT 2. HEIGHT AND SPREAD DIMENSIONS SPECIFIED REFER TO MAIN BODY OF PLANT AND NOT BRANCH OR ROOT TIP TO TIP. PLANT
- DIMENSIONS SHALL BE MEASURED WHEN THEIR BRANCHES OR ROOTS ARE IN THEIR NORMAL POSITION WHERE A RANGE OF SIZE IS GIVEN, NO PLANT SHALL BE LESS THAN
- THE MINIMUM SIZE AND AT LEAST 50% OF THE PLANTS SHALL BE AS LARGE AS THE MEDIAN OF THE SIZE RANGE. (EXAMPLE: IF THE SIZE RANGE IS 12" TO 18", AT LEAST 50% OF PLANTS MUST BE 15" TALL.).

#### SUBMITTALS

#### PROPOSED PLANT SOURCES

1. WITHIN 45 DAYS AFTER AWARD OF THE CONTRACT, SUBMIT A COMPLETE LIST OF PLANT MATERIALS PROPOSED TO BE PROVIDED DEMONSTRATING CONFORMANCE WITH THE REQUIREMENTS SPECIFIED. INCLUDE THE NAMES AND ADDRESSES OF ALL GROWERS AND NURSERIES.

#### **PRODUCT CERTIFICATES**

- 1. PLANT MATERIALS LIST SUBMIT DOCUMENTATION TO CONSULTANT AT LEAST 30 DAYS PRIOR TO START OF WORK UNDER THIS SECTION THAT PLANT MATERIALS HAVE BEEN ORDERED. ARRANGE PROCEDURE FOR INSPECTION OF PLANT MATERIAL WITH CONSULTANT AT TIME OF SUBMISSION.
- 2. HAVE COPIES OF VENDOR'S OR GROWERS' INVOICES OR PACKING SLIPS FOR ALL PLANTS ON SITE DURING INSTALLATION. INVOICE OR PACKING SLIP SHOULD LIST SPECIES BY SCIENTIFIC NAME. QUANTITY, AND DATE DELIVERED (AND GENETIC ORIGIN IF THAT INFORMATION WAS PREVIOUSLY REQUESTED).

## PLANTING NOTES & DETAILS

#### **DELIVERY, HANDLING, & STORAGE**

#### NOTIFICATION

CONTRACTOR MUST NOTIFY CONSULTANT 48 HOURS OR MORE IN ADVANCE OF DELIVERIES SO THAT CONSULTANT MAY ARRANGE FOR INSPECTION.

#### PLANT MATERIALS

- TRANSPORTATION DURING SHIPPING, PLANTS SHALL BE PACKED TO PROVIDE PROTECTION AGAINST CLIMATE EXTREMES, BREAKAGE AND DRYING. PROPER VENTILATION AND PREVENTION OF DAMAGE TO BARK, BRANCHES, AND ROOT SYSTEMS MUST BE **ENSURED**
- 2. SCHEDULING AND STORAGE PLANTS SHALL BE DELIVERED AS CLOSE TO PLANTING AS POSSIBLE. PLANTS IN STORAGE MUST BE PROTECTED AGAINST ANY CONDITION THAT IS DETRIMENTAL TO THEIR CONTINUED HEALTH AND VIGOR.
- HANDLING PLANT MATERIALS SHALL NOT BE HANDLED BY THE TRUNK, LIMBS, OR FOLIAGE BUT ONLY BY THE CONTAINER, BALL BOX, OR OTHER PROTECTIVE STRUCTURE, EXCEPT BAREROOT PLANTS SHALL BE KEPT IN BUNDLES UNTIL PLANTING AND THEN HANDLED CAREFULLY BY THE TRUNK OR STEM.
- 4. LABELS PLANTS SHALL HAVE DURABLE, LEGIBLE LABELS STATING CORRECT SCIENTIFIC NAME AND SIZE. TEN PERCENT OF CONTAINER GROWN PLANTS IN INDIVIDUAL POTS SHALL BE LABELED. PLANTS SUPPLIED IN FLATS, RACKS, BOXES, BAGS, OR BUNDLES SHALL HAVE ONE LABEL PER GROUP.

#### WARRANTY

#### PLANT WARRANTY

PLANTS MUST BE GUARANTEED TO BE TRUE TO SCIENTIFIC NAME AND SPECIFIED SIZE, AND TO BE HEALTHY AND CAPABLE OF VIGOROUS GROWTH.

#### REPLACEMENT

- 1. PLANTS NOT FOUND MEETING ALL OF THE REQUIRED CONDITIONS AT THE CONSULTANT'S DISCRETION MUST BE REMOVED FROM SITE AND REPLACED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- 2. PLANTS NOT SURVIVING AFTER ONE YEAR TO BE REPLACED AT THE CONTRACTOR'S EXPENSE.

#### PLANT MATERIAL

GENERAL

- 1. PLANTS SHALL BE NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO OR MORE SEVERE THAN THOSE OF THE PROJECT SITE
- 2. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY OR SUBSPECIES NO CULTIVARS OR NAMED VARIETIES SHALL BE USED UNLESS SPECIFIED AS SUCH.

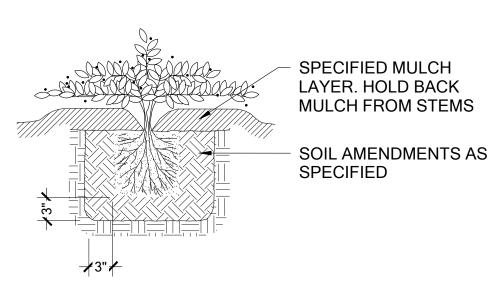
#### QUANTITIES

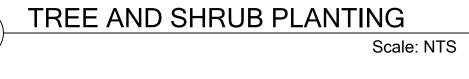
SEE PLANT LIST ON ACCOMPANYING PLANS AND PLANT SCHEDULES.

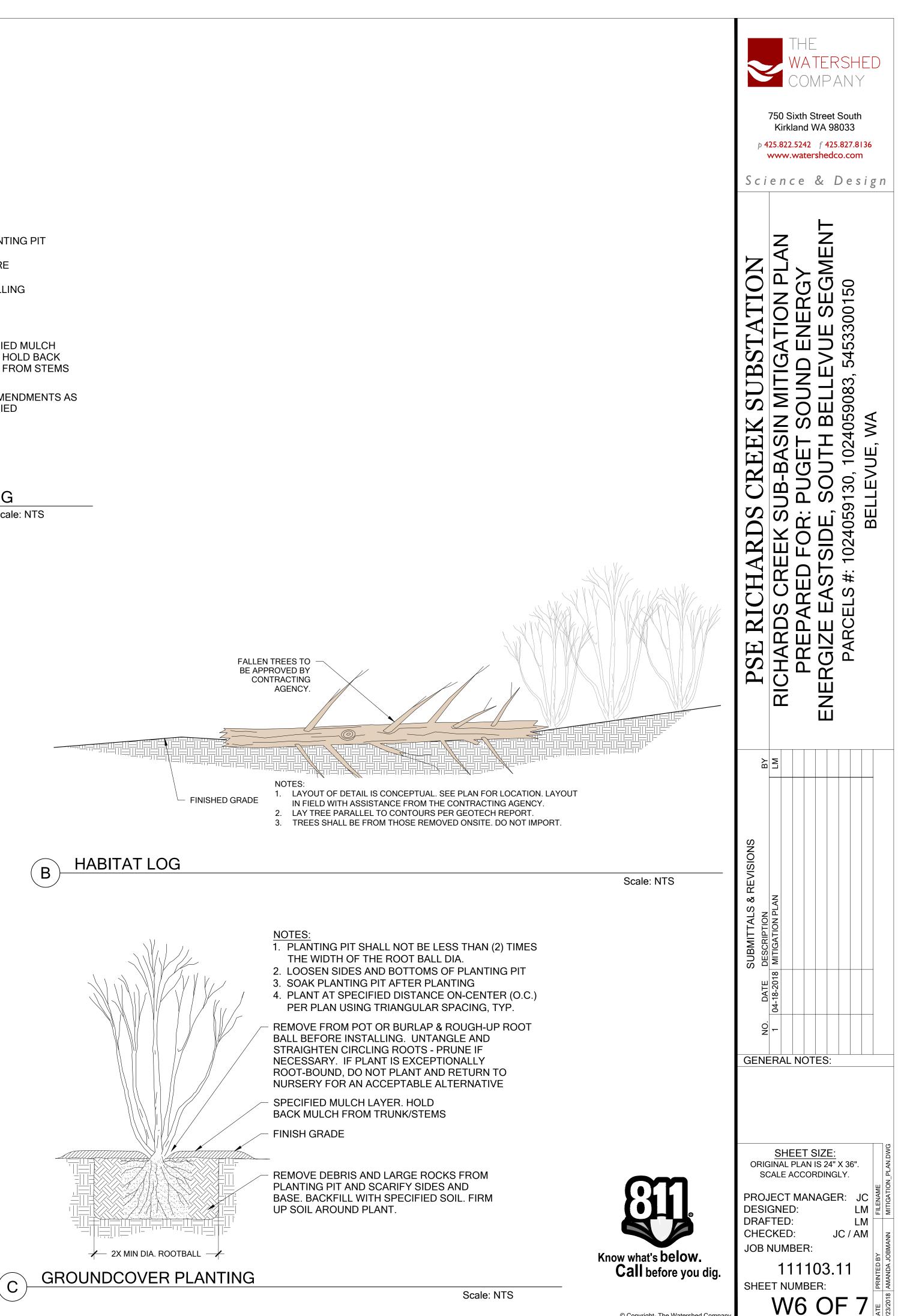
#### **ROOT TREATMENT**

- 1. CONTAINER GROWN PLANTS (INCLUDES PLUGS): PLANT ROOT BALLS MUST HOLD TOGETHER WHEN THE PLANT IS REMOVED FROM THE POT. EXCEPT THAT A SMALL AMOUNT OF LOOSE SOIL MAY BE ON THE TOP OF THE ROOTBALL.
- 2. PLANTS MUST NOT BE ROOT-BOUND; THERE MUST BE NO CIRCLING ROOTS PRESENT IN ANY PLANT INSPECTED.
- ROOTBALLS THAT HAVE CRACKED OR BROKEN WHEN REMOVED FROM THE CONTAINER SHALL BE REJECTED.

- PLANT GROUNDCOVER AT SPECIFIED **DISTANCE ON-CENTER (O.C.) USING** TRIANGULAR SPACING, TYP.
- 2. LOOSEN SIDES AND BOTTOM OF PLANTING PIT AND REMOVE DEBRIS
- 3. LOOSEN ROOTBOUND PLANTS BEFORE INSTALLING
- 4. SOAK PIT BEFORE AND AFTER INSTALLING PLANT







#### MITIGATION PLAN NOTES

#### MITIGATION AND MONITORING NOTES

EXECUTIVE SUMMARY

PSE'S ENERGIZE EASTSIDE PROJECT (THE PROJECT) PROPOSES TO UPGRADE EXISTING TRANSMISSION LINES IN SOUTH BELLEVUE IN ORDER TO INCREASE TRANSMISSION SYSTEM CAPACITY TO 230KV POWER. PROJECT ELEMENTS, EXISTING CONDITIONS, MITIGATION SEQUENCING, AND PROJECT IMPACTS TO CRITICAL AREAS ARE DISCUSSED IN THE CITY OF BELLEVUE CRITICAL AREAS REPORT: PUGET SOUND ENERGY-ENERGIZE EASTSIDE PROJECT SOUTH BELLEVUE SEGMENT (SOUTH BELLEVUE CAR) PREPARED BY THE WATERSHED COMPANY. AUGUST 2017. THIS MITIGATION PLAN IS INTENDED TO REPRESENT THE FINAL RICHARDS CREEK SUBBASIN MITIGATION PLAN REFERENCED IN THE SOUTH BELLEVUE CAR. IT HAS BEEN DESIGNED TO APPROPRIATELY MITIGATE FOR PROJECT IMPACTS OCCURRING IN WETLANDS AND WETLAND AND STREAM BUFFERS IN THE RICHARDS CREEK SUBBASIN, AS DESCRIBED IN THE SOUTH BELLEVUE CAR AND REQUIRED BY THE BELLEVUE MUNICIPAL CODE (BMC). A SEPARATE MITIGATION PLAN IS PROPOSED FOR PROJECT IMPACTS OCCURRING IN THE COAL CREEK BASIN.

PROPOSED PROJECT ACTIVITIES IMPACT WETLANDS AND BUFFERS IN ONE OF FOUR WAYS: PERMANENT FILL RESULTING FROM DEVELOPMENT OF THE RICHARDS CREEK SUBSTATION AND TRANSMISSION POLE INSTALLATION/REPLACEMENT (PERMANENT), PERMANENT VEGETATION CONVERSION FROM A FORESTED VEGETATION TYPE DUE TO VEGETATION MANAGEMENT REQUIREMENTS (CONVERSION), DEVELOPMENT OF AN ALREADY IMPACTED, NON-FUNCTIONAL BUFFER AREA (REDEVELOPMENT), AND TEMPORARY IMPACTS ASSOCIATED WITH CONSTRUCTION ACTIVITIES (TEMPORARY). PERMANENT AND CONVERSION BUFFER IMPACTS REQUIRE MITIGATION AS SUMMARIZED IN THE TABLE BELOW.

IMPACTS									
Critical Area	Name	Category	Type of Activ	vity	Quantity	(SF)	Mitigation Ratio	Mitigation Required (SF)	
Wetland A (Rid	chards)	m	Conversion		9,945	5	2:1	19,890	
Wetland A (Rid	chards)	Ш	Permanent		397		4:1	1,588	
Wetland B (Rid	hards)	Ш	Permanent		2,060	)	4:1	8,240	
Wetland D (Rid	chards)	11	Conversion		100		3:1	300	
Wetland D (Rid	chards)	11	Permanent		41		6:1	246	
Wetland H (Ri	chards)	Ш	Conversion		73		2:1	146	
Wetland H (Ri	chards)	Ш	Permanent		77		4:1	308	
Combined Buf	fers	na	Permanent		23,89	3	1:1	23,893	
Combined Buf	fers	na	Conversion		22,88	22,886		11,443	
Combined Buffers na		Redevelopmer	nt ² 47,512 ²		na²	0 ²			
RESTORATIO	ON								
Critical Area Name Category		Ту	pe of A	Activity		Quar	ntity (SF)		
Stream C		na	Restoration (Realignment) ³		3,557				
Wetland A		111	Rehabilitation				30	0,718	
Combined Buf	fers	na	Restoration		35,336				
IMPACT & F	ESTOR	ATION SUM	MARY						
					Total		Mitigation P	roposed	
Critical Area Type			Qty (SF)		itigation Juired (SF)		Туре	Qty (SF)	
Wetland	Conver	sion	10,118		Wetla		Wetland rehabilitation		
	Permanent		2,575	]	30,718	Stream enhancement		3,557	
Buffer	Conver	sion	22,886						
	Perma	nent	23,893	] .	35,336	Buffer	r enhancement	35,336	
	Redeve	elopment ²	47,512 ²	1					

1. Only activities resulting in a long-term change are included. Temporary impacts will be restored in place and are not shown in this table.

This buffer area is already developed and is considered non-functioning, therefore, no mitigation is required Existing stream channel will be abandoned (not filled) with stream restoration/realignment activities.

MITIGATION FOR IMPACTS, PRESENTED IN THE TABLE ABOVE, IS PLANNED ON THE RICHARDS CREEK SUBSTATION SITE. AS DISCUSSED IN THE SOUTH BELLEVUE CAR, THIS LOCATION WAS SELECTED FOR MITIGATION ACTIVITIES BASED UPON THE LOCATION OF PROJECT IMPACTS, OPPORTUNITY PRESENT, PROPERTY OWNERSHIP, AND PROXIMITY TO OTHER REGULATED CRITICAL AREAS.

THIS FINAL MITIGATION PLAN PROPOSES TO COMPENSATE FOR PROJECT IMPACTS THROUGH WETLAND REHABILITATION AND BUFFER ENHANCEMENT IN AND ADJACENT TO WETLAND A AND A PROPOSED REALIGNED TRIBUTARY TO RICHARDS CREEK. THESE MITIGATION ACTIVITIES ARE INTENDED TO INCREASE NATIVE PLANT COVER, DECREASE INVASIVE SPECIES PREVALENCE, IMPROVE NATIVE SPECIES DIVERSITY, AND PROVIDE FOOD AND OTHER HABITAT RESOURCES FOR WILDLIFE.

THE PLAN INCLUDES A COMPREHENSIVE FIVE-YEAR MAINTENANCE AND MONITORING PLAN. DETAILED BELOW. THESE SPECIFICATIONS AND STANDARDS WILL ENSURE THAT REHABILITATION/RESTORATION PLANTINGS WILL BE MAINTAINED, MONITORED, AND SUCCESSFULLY ESTABLISHED WITHIN THE FIRST FIVE YEARS FOLLOWING IMPLEMENTATION.

GOALS

- 1. ENHANCE THE UNNAMED TRIBUTARY OF RICHARDS CREEK BY ESTABLISHING A NEW CHANNEL WITH IMPROVED HABITAT FEATURES AND FUNCTIONAL RIPARIAN BUFFER.
- 2. REHABILITATE APPROXIMATELY 30.718 SF OF WETLAND AREA ALONG THE NEW STREAM CHANNEL AND ELSEWHERE IN WETLAND A.
- 3. ENHANCE APPROXIMATELY 35,336 SF OF COMBINED WETLAND/STREAM BUFFER AREA.
- 4. CREATE A DENSE, NATIVE, TREE AND SHRUB COMMUNITY THROUGHOUT RESTORED AREAS OF THE SITE WHICH ARE COMPATIBLE WITH THE POWERLINE INFRASTRUCTURE WHERE APPROPRIATE.

PERFORMANCE STANDARDS

THE FOLLOWING PERFORMANCE STANDARDS WILL BE USED TO GAUGE THE SUCCESS OF THE PROJECT OVER TIME. IF ALL PERFORMANCE STANDARDS HAVE BEEN SATISFIED BY THE END OF YEAR FIVE, THE PROJECT SHALL BE CONSIDERED COMPLETE.

- 1) SURVIVAL STANDARDS:
- THE REQUIRED NUMBERS.
- THE REQUIRED NUMBERS.
- IMPLEMENTED.

- FAC OR WETTER. 2) NATIVE VEGETATION COVER STANDARDS:
- MAY COUNT TOWARDS THIS STANDARD.
- MAY COUNT TOWARDS THIS STANDARD.
- 3) INVASIVE SPECIES COVER STANDARD:
- MONITORING YEAR.
- 4) STREAM CHANNEL STANDARDS:
- **BIOLOGIST VISUAL INSPECTION.**
- ASSESSMENT

MAINTENANCE

- ASSOCIATED PLANT REPLACEMENT COSTS.
- PLANT INSTALLATION.
- PLANTS.

- MONITORING METHODS

THE MONITORING PROGRAM IS DESIGNED TO TRACK THE SUCCESS OF THE MITIGATION PLAN OVER TIME BY MEASURING THE DEGREE TO WHICH THE PLAN IS MEETING THE PERFORMANCE STANDARDS LISTED ABOVE. PRIOR TO THE COMMENCEMENT OF THE MONITORING PHASE, AN AS-BUILT PLAN DOCUMENTING THE SUCCESSFUL INSTALLATION OF THE PROJECT WILL BE SUBMITTED TO THE CITY OF BELLEVUE AND OTHER PERMITTING AGENCIES AS REQUESTED. IF NECESSARY, THE AS-BUILT REPORT MAY INCLUDE A MARK-UP OF THE ORIGINAL PLAN THAT NOTES ANY SIGNIFICANT CHANGES OR SUBSTITUTIONS THAT OCCURRED. DURING THE AS-BUILT INSPECTION, THE RESTORATION SPECIALIST WILL ESTABLISH AT LEAST FOUR PERMANENT PHOTO-POINTS, BASELINE PLANT INSTALLATION QUANTITIES, AND TRANSECTS AS DETAILED BELOW.

## MITIGATION NOTES

A. 100% SURVIVAL OF INSTALLED PLANTINGS IN ALL AREAS AT THE END OF YEAR 1. THIS STANDARD MAY BE MET THROUGH ESTABLISHMENT OF INSTALLED PLANTS OR BY REPLANTING AS NECESSARY TO ACHIEVE

B. 80% SURVIVAL OF INSTALLED PLANTINGS IN ALL AREAS AT THE END OF YEAR 2. THIS STANDARD MAY BE MET THROUGH ESTABLISHMENT OF INSTALLED PLANTS OR BY REPLANTING AS NECESSARY TO ACHIEVE

C. SURVIVAL BEYOND YEAR 2 IS DIFFICULT TO TRACK. THEREFORE, A DIVERSITY STANDARD SHALL BE

C.1. ESTABLISHMENT OF AT LEAST TWO NATIVE TREE SPECIES, FOUR NATIVE SHRUB SPECIES AND TWO NATIVE EMERGENT SPECIES IN PLANTING AREAS.

C.2. ESTABLISHMENT OF A HYDRIC PLANT COMMUNITY IN ALL PLANTED WETLAND AREAS. THE COMBINATION OF INSTALLED AND VOLUNTEER PLANTS SHALL HAVE A WETLAND INDICATOR STATUS OF

A. ACHIEVE 60% AERIAL COVER OF NATIVE WOODY VEGETATION BY THE END OF YEAR 3. NATIVE VOLUNTEERS

B. ACHIEVE 80% AERIAL COVER OF NATIVE WOODY VEGETATION BY THE END OF YEAR 5. NATIVE VOLUNTEERS

A. NO MORE THAN 10% AERIAL COVER OF NON-NATIVE, INVASIVE SPECIES IN ANY PLANTING AREA IN ANY

A. STREAM BANK STABILITY: ANY BANK EROSION OR INSTABILITY FROM THE PREVIOUS WET SEASON IS TO BE SHALLOW AND LIMITED TO LESS THAN 5% OF RESTORED STREAM BANK LENGTH PER REACH AS DETERMINED BY FISHERIES BIOLOGIST VISUAL INSPECTION. THIS STANDARD MAY INCLUDE AN ADDITIONAL 5% IN STAGES OF RECOVERY AND PARTIALLY REVEGETATED FROM PREVIOUS YEARS.

B. IN-STREAM LOG STRUCTURE STABILITY AND FUNCTION: IN-STREAM WOODY DEBRIS TO REMAIN ANCHORED AND IN CONTACT WITH STREAM FLOW UNDER BASE FLOW CONDITIONS DURING THE MONITORING PERIOD. AT LEAST ½ OF LOG STRUCTURES TO SHOW POSITIVE HYDRAULIC FUNCTION (MAINTENANCE OF POOLS, BANK TOE PROTECTION AND HABITAT COVER, TAIL OUT GRAVEL, ETC.) AS DETERMINED BY FISHERIES

C. STREAM CHANNEL CAPACITY: CHANNEL CROSS SECTIONS TO REMAIN FREE OF SIGNIFICANT FLOOD OBSTRUCTIONS AS SCREENED BY FISHERIES BIOLOGIST VISUAL INSPECTION. QUESTIONABLE OBSTRUCTIONS MAY NEED ADDITIONAL CONSULTATION WITH A PROFESSIONAL ENGINEER AS NEEDED FOR

THE SITE SHALL BE MAINTAINED IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS FOR FIVE YEARS FOLLOWING SUCCESSFUL COMPLETION OF THE CONSTRUCTION.

1. REPLACE EACH PLANT FOUND DEAD IN YEAR ONE.

FOLLOW THE RECOMMENDATIONS NOTED IN THE PREVIOUS MONITORING SITE VISIT'S REPORT.

3. GENERAL WEEDING FOR ALL PLANTED AREAS:

A. AT LEAST TWICE ANNUALLY, REMOVE COMPETING GRASSES AND WEEDS FROM AROUND THE BASE OF EACH INSTALLED PLANT TO A RADIUS OF 12 INCHES. WEEDING SHOULD OCCUR AT LEAST ONCE IN THE SPRING AND ONCE IN THE SUMMER. THOROUGH WEEDING WILL RESULT IN LOWER PLANT MORTALITY AND

B. MORE FREQUENT WEEDING MAY BE NECESSARY DEPENDING ON WEED CONDITIONS THAT DEVELOP AFTER

C. NOXIOUS WEEDS MUST BE REMOVED FROM THE ENTIRE MITIGATION AREA, AT LEAST TWICE ANNUALLY. D. DO NOT USE STRING TRIMMERS IN THE VICINITY OF INSTALLED PLANTS, AS THEY MAY DAMAGE OR KILL THE

4. MAINTAIN A FOUR-INCH-THICK LAYER OF WOODCHIP MULCH ACROSS THE ENTIRE PLANTING AREA OUTSIDE THE OHWM. MULCH SHOULD BE PULLED BACK TWO INCHES FROM THE PLANT STEMS.

5. INSPECT AND REPAIR THE IRRIGATION SYSTEM AS NECESSARY EACH SPRING. DURING AT LEAST THE FIRST TWO GROWING SEASONS, MAKE SURE THAT THE ENTIRE PLANTING AREA RECEIVES A MINIMUM OF ONE INCH OF WATER PER WEEK FROM JUNE 1ST THROUGH SEPTEMBER 30TH.

6. REMOVE TRASH AND DEBRIS FROM THE PLANTING AREAS.

#### TRANSECTS:

DURING THE AS-BUILT INSPECTION, THE RESTORATION SPECIALIST SHALL INSTALL A SUFFICIENT NUMBER OF REPRESENTATIVELY LOCATED 100-FOOT TRANSECTS IN THE RESTORATION PLANTING AREAS TO ADEQUATELY MEASURE THE VEGETATION PERFORMANCE STANDARDS BELOW. PERCENT COVER DATA SHALL BE RECORDED ALONG ESTABLISHED TRANSECTS USING THE LINE INTERCEPT METHOD.

YEARLY MONITORING:

THE SITE WILL BE MONITORED TWICE ANNUALLY FOR FIVE YEARS BEGINNING WITH APPROVAL OF THE AS-BUILT REPORT. DURING EACH YEAR THERE SHALL BE A SPRING VISIT AND A SUMMER OR EARLY FALL VISIT. THE SPRING MONITORING VISIT WILL ADDRESS MAINTENANCE NEEDS SUCH AS PLANT REPLACEMENT AND WEEDING. THE RESTORED STREAM CHANNEL AND IN-STREAM HABITAT FEATURES INCLUDING LOG STRUCTURES WILL ALSO BE INSPECTED IN THE SPRING VISIT TO IDENTIFY ANY MAINTENANCE OR REPAIRS THAT WOULD NEED TO BE DONE DURING THE UPCOMING LOW-FLOW SEASON, WHEN ANY NEEDED IN-STREAM WORK COULD BE AUTHORIZED. STREAM CHANNEL, STREAM BANK, AND LOG STRUCTURE FUNCTIONING WOULD BE ASSESSED EXAMPLES OF NEEDED STREAM CHANNEL MAINTENANCE OR REPAIR MIGHT INCLUDING STABILIZING ANY ERODING STREAM BANKS OR SECURING ANY LOGS WHOSE ANCHORING MAY HAVE BECOME COMPROMISED.

FOLLOWING THE SPRING VISIT, THE RESTORATION SPECIALIST WILL NOTIFY THE RESPONSIBLE PARTY AND/OR MAINTENANCE CREWS OF NECESSARY MAINTENANCE. THE SECOND ANNUAL VISIT WILL OCCUR JULY 1ST TO SEPTEMBER 15TH AND WILL RECORD QUANTITATIVE ASSESSMENT OF THE SITE'S PROGRESS. A REPORT DETAILING THE FINDINGS OF SUMMER MONITORING WILL BE SUBMITTED ANNUAL TO THE CITY, US ARMY CORPS (NWS.COMPLIANCE@USACE.ARMY.MIL), AND WASHINGTON DEPARTMENT OF ECOLOGY AND WILL CONTAIN THE FOLLOWING:

- 1. GENERAL SUMMARY OF SITE CONDITIONS.
- COUNTS OF LIVE PLANTINGS BY SPECIES (YEARS ONE AND TWO ONLY)
- ESTABLISHED TRANSECTS. PERCENT COVER OF INVASIVE SPECIES USING THE LINE INTERCEPT METHOD ALONG ESTABLISHED
- TRANSECTS.
- NOTES ON INVASIVE WEEDS OUTSIDE OF ESTABLISHED TRANSECTS.
- PHOTOGRAPHS FROM FIXED PHOTO-POINTS ESTABLISHED DURING THE AS-BUILT INSPECTION.
- 7. ANY EVIDENCE OF WILDLIFE USAGE IN THE MITIGATION AREA.
- REPORT ON CONDITION OF PLACED LARGE WOODY DEBRIS. 8
- 9. INTRUSIONS INTO THE PLANTING AREAS, VANDALISM OR OTHER ACTIONS THAT IMPAIR THE INTENDED FUNCTIONS OF THE MITIGATION AREAS.

10. RECOMMENDATIONS FOR MAINTENANCE OR REPAIRS.

#### CONTINGENCIES

UNFORESEEN PROJECT CONDITIONS MAY REQUIRE CHANGES IN VEGETATION LAYOUT, DENSITY/SPACING, AND SPECIES SUBSTITUTIONS. WEED CONDITIONS MAY REQUIRE ALTERATION OF INSTALLED VEGETATION TYPES, MULCH PLACEMENT, WEED REMOVAL AND USE OF HERBICIDES. MINOR HAND WORK TO IMPROVE OR RETARD DRAINAGE MAY BE NEEDED TO SUPPORT WETLAND HYDROLOGY. SUCH WORK WILL BE COORDINATED DIRECTLY WITH THE CITY OF BELLEVUE.

UNPREDICTABLE EVENTS SUCH AS OBSTRUCTIONS OR HIGH-FLOWS FROM LARGE STORMS MAY NECESSITATE EROSION AND HABITAT FEATURE REPAIRS. SMALL REPAIRS BY HAND WILL BE COORDINATED WITH THE CITY OF BELLEVUE, LARGER REPAIRS THAT REQUIRE EXTENSIVE MANIPULATION OR THE USE OF HEAVY MACHINERY WILL BE COORDINATED IN CONSULTATION WITH JURISDICTIONAL AGENCIES

#### SITE PROTECTION

THE MITIGATION AREA WILL BE PROTECTED BY RECORDING A NOTICE ON TITLE WITH KING COUNTY. FENCING AND SIGNS WILL BE INSTALLED ALONG THE EDGE OF THE MITIGATION AREA.

#### MATERIALS

1. WOODCHIP MUL	⁻ CHIPS" (C	ATERIAL) APF MATELY ON
INCHES IN MAXII	M DIMENSIC OT SA	UST). THIS M, RIAL IS COL C Y AVAILABL I LARGE
QUANTITIES FR(	ARBORISTS C REE-I	JNING COMPA S. THIS M ERI, 'S SOLD
AS "ANIMAL- FRI	DLY HOG FUEL T PAC	C TOPSOILS / J) 884-764 MULC SHALL NC CONTAIN
APPRECIABLE C	NTITIES OF GA AGE,	SOIL, AND MENSIC L'LUMBE
CONSTRUCTION	MOLITION DEF 3. AP	27. QUAL TY REQUIRE' 60 CUBIC RDS.
2. COMPOST: CED CODE 173-350-22	GROVE COMF , T OR QUANTITY P'JIRED:	UIVALENT " 1POSTE ALERIAL I VASH GTON ADMIN. CUBIC YARD

- 3. FERTILIZER: SL NURSERIES CARRY THIS PRODUCT. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR USE. KEEP FERTILIZER IN WEATHER-TIGHT CONTAINER WHILE ON-SITE. FERTILIZER IS ONLY TO BE APPLIED IN YEARS TWO AND THREE, NOT IN YEAR ONE.
- **4.** RESTORATION SPECIALIST: QUALIFIED PROFESSIONAL ABLE TO EVALUATE AND MONITOR THE CONSTRUCTION OF ENVIRONMENTAL RESTORATION PROJECTS.

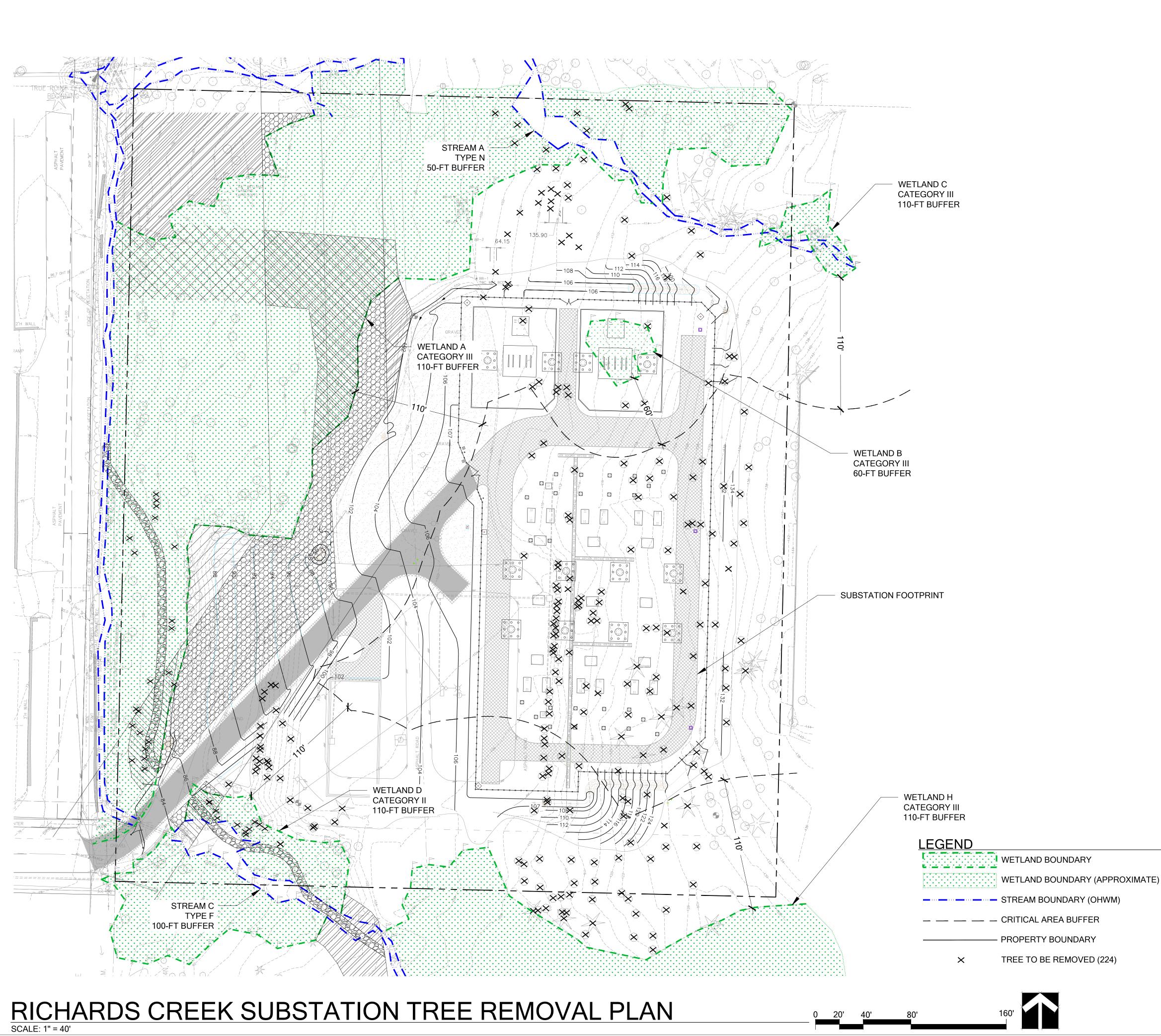
3. FERTILIZER (FOR NEAR AQUATIC ENVIRONMENTS): SLOW-RELEASE, PHOSPHOROUS-FREE GRANULAR FERTILIZER. LABEL MUST INDICATE THAT PRODUCT IS SAFE FOR AQUATIC ENVIRONMENTS. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR USE. KEEP FERTILIZER IN WEATHER-TIGHT CONTAINER WHILE ON-SITE. FERTILIZER IS ONLY TO BE APPLIED IN YEARS TWO AND THREE, NOT IN YEAR ONE.

PERCENT COVER OF NATIVE WOODY SPECIES, DETERMINED USING THE LINE INTERCEPT METHOD ALONG

HOSPHOR S-FREE GRAN \R / (TILIZER, MOST MMI )IAL

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	PSE RICHARDS CREEK SUBSTATION	TREE REMOVAL FIGURE	PREPARED FOR: PUGET SOUND ENERGY		PARCELS #: 1024059130, 1024059083, 5453300150	BELLEVLIE WA	
	SUBMITTALS & REVISIONS NO. DATE DESCRIPTION BY	04-12-2018 TREE REMOVAL FIGURE					
© Copyright- The Watershed Company		SHI SINAL CALE / IECT GNEI TED CKED NUM	EET S PLAN ACCOF MAN D: : D: BER: I 1 1	SIZE: IS 24" RDING IAGE	ILY. R: J L J	іс м іс <b>1</b>	DATE PRINTED BY FILENAME 4/23/2018 AMANDA JOBMANN MITIGATION_PLAN.DWG

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Monday, November 05, 2018 8:57 AM
To:	Bedwell, Heidi
Subject:	RE: Pole Installation
Follow Up Flag:	Follow up
Flag Status:	Flagged

As a follow-up, it does appear that three poles (8/8), on the south side of I-90, are in Bellevue road ROW, which abuts the WSDOT ROW. Those poles are on foundations.

Brad

From: Strauch, Bradley Sent: Monday, November 05, 2018 8:16 AM To: 'Bedwell, Heidi' Subject: RE: Pole Installation

Heidi,

The plan sheets that were submitted reflect the current design and indicate the pole types and the associated installation method (foundation vs. direct embed). Poles with foundations are noted as C1 or C2 construction scenarios. Poles that are directly embedded are noted as A1, A2, B1, or B2 construction scenarios.

Looking at the plan set, it appears that the only poles on foundations adjacent to Bellevue road ROW are 8/3 (SE Allen Road). No poles are proposed in Bellevue road ROW.

I hope that this helps. Let me know if you need anything else.

Brad

From: Bedwell, Heidi [mailto:HBedwell@bellevuewa.gov]
Sent: Wednesday, October 31, 2018 1:23 PM
To: Strauch, Bradley
Subject: Pole Installation

Left you a VM. I did realize after leaving my message that the appendix in the site plan sheets describe the direct imbed and foundation. Just wondering if you have any more detail at this time regarding the poles that would have foundations.

Heidi

**CAUTION:** This email originated from outside of the organization. Exercise extra caution when responding, opening attachments, and clicking links.

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From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Monday, November 05, 2018 4:01 PM
To:	Bedwell, Heidi
Subject:	COB CUP Technical Review Response - PSE Energize Eastside
Attachments:	COB CUP Technical Review Response Letter 11-5-18 Part 4.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

Attached is the requested information related to the substations sites and critical areas. If you need hard copies, please let me know. Thanks.

Brad



Puget Sound Energy P.O. Box 97034 Bellevue, WA 98009-9734

PSE.com

November 5, 2018

Heidi Bedwell, Environmental Planning Manager City of Bellevue 450 110th Avenue NE Bellevue, WA 98004

#### RE: South Bellevue Segment Energize Eastside – Response to Technical Review Letter, Part #4 Conditional Use Permit (File #17-120556-LB) Critical Areas Land Use Permit (File #17-120557-LO)

Dear Ms. Bedwell:

Puget Sound Energy, Inc. (PSE) provides the following information regarding routing and substation location review in response to the City of Bellevue's (City's) request for additional information on the above referenced permit applications.

#### **Routing and Substation Options – Summary**

In order to develop route options, PSE identified potential route segments between Renton and Redmond. To help identify these route segments, PSE took into account not only electrical feasibility, but dozens of non-electrical factors, like geographic barriers, land uses and impacts on the environment.

In 2014, PSE engaged the community in a public routing discussion for Energize Eastside. Through the Community Advisory Group process, open houses, neighborhood meetings, briefings and comments, we learned about community values and concerns about the project.

Through the public route discussion process, the Community Advisory Group selected the *Oak* and *Willow* routes as their final recommendation for PSE's consideration. The final route selected (subject of the CUP application) is one of the two routes recommended by the Community Advisory Group.

#### Sycamore and Willow Routes

The Community Advisory Group reviewed the 18 potential route options for the Project. Two of the routes, *Sycamore* and *Willow*, included new substation options: the Vernell Substation site (located along the *Sycamore* route), and the Richards Creek and Westminster substation sites (located along the *Willow* route).

The Community Advisory Group completed their work on Dec. 10, 2014 and selected the *Oak* (not analyzed in this document) and *Willow* routes as their final recommendation for PSE's consideration.



More information related to the *Sycamore* (shown as Segment B on Figure 1) and *Willow* routes are provided below.



Figure 1: Final Route Recommendation (Willow) and Potential Route Segments



Ms. Heidi Bedwell Page 3

#### Substations

Three substation sites were identified and evaluated by both PSE and the Community Advisory Group: Richards Creek, Westminster, and Vernell. These sites were chosen because they are all owned by PSE with the intent of using them for future substations sites (as shown on Bellevue Comprehensive Plan Map UT-7). As part of the 2014 evaluation, critical areas on each site were reviewed, specifically wetlands, stream crossings, and steep slopes. Both the Richards Creek and Westminster sites are located along the existing SAM-LAK-TAL corridor (the *Willow* route); however, the Vernell site would require the new 230 kV transmission lines to follow a different corridor (the *Sycamore* route) between the existing PSE Sammamish (Redmond) and Lakeside (Bellevue) substations, as well as the installation of additional 115 kV lines to the existing Clyde Hill and Ardmore substations. As the Vernell Substation site was removed from further consideration in 2014, specific critical areas information related to the Vernell site was not collected; however, a summary of critical areas on this site are provided in this document.

#### **Critical Areas Review**

The City of Bellevue's Land Use Code (LUC) Section 20.25H.055.A provides the following hierarchy of alterations:

"Where a use or development is proposed on a site with more than one type of critical area, preference shall be given to disturbing those critical areas with the least sensitivity to human disturbance, based on a consideration of both existing functions and values, and future functions and values if left undisturbed."

Critical areas associated with the Richards Creek Substation site are included in the CUP and LO permit applications. The Westminster and Vernell substation sites are summarized in this memorandum, as well as responses to the General Performance Standards associated with new and expanded uses or development in LUC 20.25H.055.C.2.

#### Sycamore and Willow Routes

As part of the 2014 Community Advisory Group, GIS data was reviewed for each of the routes under consideration. The GIS data reviewed can be used to make a relative comparison between the *Sycamore* and *Willow* routes, see Table 1 for a summary of information for each route associated with critical areas and other sensitive uses.

#### Table 1: Critical Areas Summary for Sycamore and Willow Routes

Data (2014)	Sycamore Route (Vernell)	Willow Route (Richards Creek and Westminster)
Wetlands identified within 50' of both sides of the corridor centerline ¹	34 wetlands	25 wetlands
Potential stream crossings ¹	18 stream crossings	22 stream crossings
State-documented wildlife species present ²	22 species	21 species



Ms. Heidi Bedwell Page 4

Data (2014)	Sycamore Route (Vernell)	Willow Route (Richards Creek and Westminster)
High Slope Instability within 25' of the corridor ³	4.05% of the corridor	4.94% of the corridor
Medium Slope Instability within 25' of the corridor ³	4.90% of the corridor	6.67% of the corridor
Low Slope Instability within 25' of the corridor ³	1.68% of the corridor	2.89% of the corridor
Steep slopes within 25' of the corridor (>40% slopes) ⁴	10.13% of the corridor	9.91% of the corridor
Moderately steep slopes within 25' of the corridor (>20% and less than 40% slopes) ⁴	18.26% of the corridor	21.25% of the corridor
Fault lines within 25' of the corridor ⁵	11 faults	7 faults
Tree removal (total number of trees >4" DBH requiring removal or trimming) ⁶	9,175 trees	7,879 trees
Residential use within 600' of the corridor ⁷	4,114 parcels	3,970 parcels
(Residential use within 600' of the corridor that has not existing transmission lines) ⁷	(405 parcels)	(7 parcels)
Park uses within 25' of the corridor ⁷	14 parcels in park use	13 parcels in park use
Recreational uses within 25' of the corridor ⁷	8 parcels in recreational use	7 parcels in recreational use
School use within 600' of the corridor ⁷	13 schools	7 schools
Registered Historic Sites within 0.5-mile of the corridor	5 sites	6 sites
Percent of route on existing corridor	50%	100%
Cost (total cost, in USD millions)	\$277	\$154

1: Based on GIS data or field reconnaissance.

2: Based on State Priority Habitat and Species Data (includes known salmonids species).

3: Based on Washington State Department of Natural Resources (DNR) Slope Stability Rating Area.

4: Derived from King County LiDAR elevation.

5: Derived from Washington State DNR fault data.

6: Developed using LiDAR, Google Earth, and/or field reconnaissance.

7: Based on King County Assessor Data.

In general, the *Sycamore* route would cross approximately nine more wetlands, four fewer streams, and four more geologic faults than the *Willow* route. It was estimated that approximately 1,300 more trees would be subject to removal with the *Sycamore* route; most of these trees would be along the western extent of Bridle Trails State Park and 116th Avenue NE, where a number of streams (including known salmonids locations) and wetlands have been identified on Kirkland's Sensitive Areas map (2018).

#### **Richards Creek Substation Site**

The Richards Creek Substation site is described in detail in the CUP and LO permit applications submitted to the City of Bellevue.



Westminster Substation Site

*Site Summary*: The Westminster Substation site is located at 13649 NE 24th Street in Bellevue, WA on Parcel 2725059116, and is bounded by NE 24th Street on the north, 136th Place NE on the east, State Route (SR) 520 on the south, and Viewpoint Park on the west. The site is owned by PSE and is zoned O Office and PO Professional Office. It is approximately 267,820 square feet, or 6.15 acres and is undeveloped and forested.

Critical Areas: Critical areas on the Westminster Substation site include:

- An erosion hazard area mapped by King County in the northwest portion of the site;
- Known wetlands along the eastern portion of the site (estimated at 0.69 acre);
- A stream near the southern portion of the site mapped by the Washington State Department of Natural Resources (DNR) as fish-bearing; and
- Areas of steep slopes >40% as mapped by the City of Bellevue Critical Hazards Maps.

A proposed site plan of the Westminster Substation has been prepared (see attached Figure 2), and development of a 3.44 acre (or 149,718 square foot) substation would result in impacts to approximately 0.69 acres (or 30,037 square feet) of wetlands - all of the approximated wetlands on the site. The smaller size of the site and configuration of the property would not allow for the same enhancement and/or mitigation activities as on the Richards Creek Substation site. Critical areas mitigation would likely need to be off-site.

#### Vernell Substation Site

*Site Summary*: The Vernell Substation site is located at 2380 116th Avenue NE in Bellevue, WA on Parcels 2825059141 and 2825059101, and is bounded by 116th Avenue NE on the west, SR 520 on the north, the Cross Kirkland Corridor on the east, and NE 22nd Place on the south. Both parcels are owned by PSE and are zoned as BR-MO Bel-Red Medical Office. Together, the parcels are 124,951 square feet, or 2.87 acres, and are developed with light industrial and commercial uses.

Critical Areas: Critical areas on the Vernell Substation site include:

- An erosion hazard area mapped by King County in the southeast portion of the site;
- A stream along the east side of the site mapped by Washington Department of Natural Resources (DNR) as fish-bearing; and
- Low to moderate liquefaction hazard, steep slopes >40%, and very severe soil erosion hazards in the south/southeast portion of the site as mapped by the City of Bellevue Critical Hazards Maps.

As the Vernell Substation site was removed from consideration by the Community Advisory Group, more detailed information (such as a preliminary site plan) has not been prepared.



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#### Review of LUC 20.25H.055.C.2

New or expanded facilities and systems are allowed within critical areas or their buffers only where no technically feasible alternative with less impact on the critical area or buffer exists (LUC 20.25H.055.C.2).

Criteria and responses for technical feasibility of the Westminster and Vernell substation sites are presented in Table 2.

	LUC 20.25H.055.C.2.a. Code Sections	PSE Response
i.	The location of existing infrastructure;	Westminster Substation is located along the existing SAM-LAK-TAL 115 kV transmission line corridor, same as the Richards Creek Substation site. However, Westminster is undeveloped, sloped, and forested; therefore, it would require extensive clearing and grading.
		The Vernell Substation site would require a new 230 kV transmission line route ( <i>Sycamore</i> route) to make the connection between the Vernell and the Sammamish substation (Redmond). Also, in order to use the Vernell site, approx. 2.3 miles of new 115 kV transmission line would be needed to connect the site with the Ardmore Substation in Redmond, and 1 mile of new 115 kV transmission line to connect the site to the Clyde Hill Substation in Bellevue.
ii.	The function or objective of the proposed new or expanded facility or system;	As the Westminster Substation site is within the same 230 kV transmission line corridor as the Richards Creek Substation, it would provide the same system functions. The Vernell Substation site would require use of a new 230 kV transmission corridor as well as multiple additional 115 kV lines between the Clyde Hill and Ardmore Substations. The <i>Sycamore</i> route was one of the most expensive alternatives reviewed, and considered to have more difficult constructability than other routes.
111.	Demonstration that no alternative location or configuration outside of the critical area or critical area buffer achieves the stated function or objective, including construction of new or expanded facilities or systems outside of the critical area;	Both the Westminster Substation site and Richards Creek Substation site would include impacts to wetlands, streams, and vegetation; however, as the Westminster site is forested and undeveloped it would result in more tree and vegetation removals than the Richards Creek site. It is likely that the entirety of the wetland at Westminster would be affected by project construction (estimated at 0.69 acre).
		The Vernell Substation site does not have wetlands, but contains a

#### Table 2: LUC Review for Westminster and Vernell Substation Sites



Ms. Heidi Bedwell Page 7

I	LUC 20.25H.055.C.2.a. Code Sections	PSE Response
		small stream on the eastern edge of the site. All three sites have
		erosion and slope hazards present, and the Vernell site contains
		more extensive geologic hazards as mapped by the City of
		Bellevue.
iv.	Whether the cost of avoiding	All three identified substation sites contain critical areas;
	disturbance is substantially	therefore, avoidance is not feasible no matter the cost.
	disproportionate as compared to the	
	environmental impact of proposed	The Westminster Substation preliminary site plan (attached as
	disturbance; and	Figure 2) has been laid out to minimize impacts on wetlands as
		possible, but likely would still impact the entirety of the wetland
		(estimated at 0.69 acre). This would result in greater wetland
		impacts than at Richards Creek, which includes approximately 0.29
		acre of wetland impact (permanent and conversion).
٧.	The ability of both permanent and	Due to the small size of the Westminster site, it does not provide
	temporary disturbance to be	the same opportunity to mitigate for temporary and permanent
	mitigated.	impacts on wetlands (and streams, if present) on-site like the
		Richards Creek Substation site. It would likely require off-site
		mitigation which is not preferred by the City of Bellevue.
		The Vernell Substation site could likely be constructed and
		designed to mitigate for on-site geologic hazards.

This memorandum concludes that there is no technically feasible alternative substation site that has less impact than the Richards Creek substation site; therefore, the CUP and LO permit documentation submitted for the Richards Creek Substation provides information in compliance with LUC 20.25H.055.C.2.b.i through viii.

LUC 20.25H.055.C.3 Performance Standards for Specific Uses or Development does not contain provisions applicable to this Project.

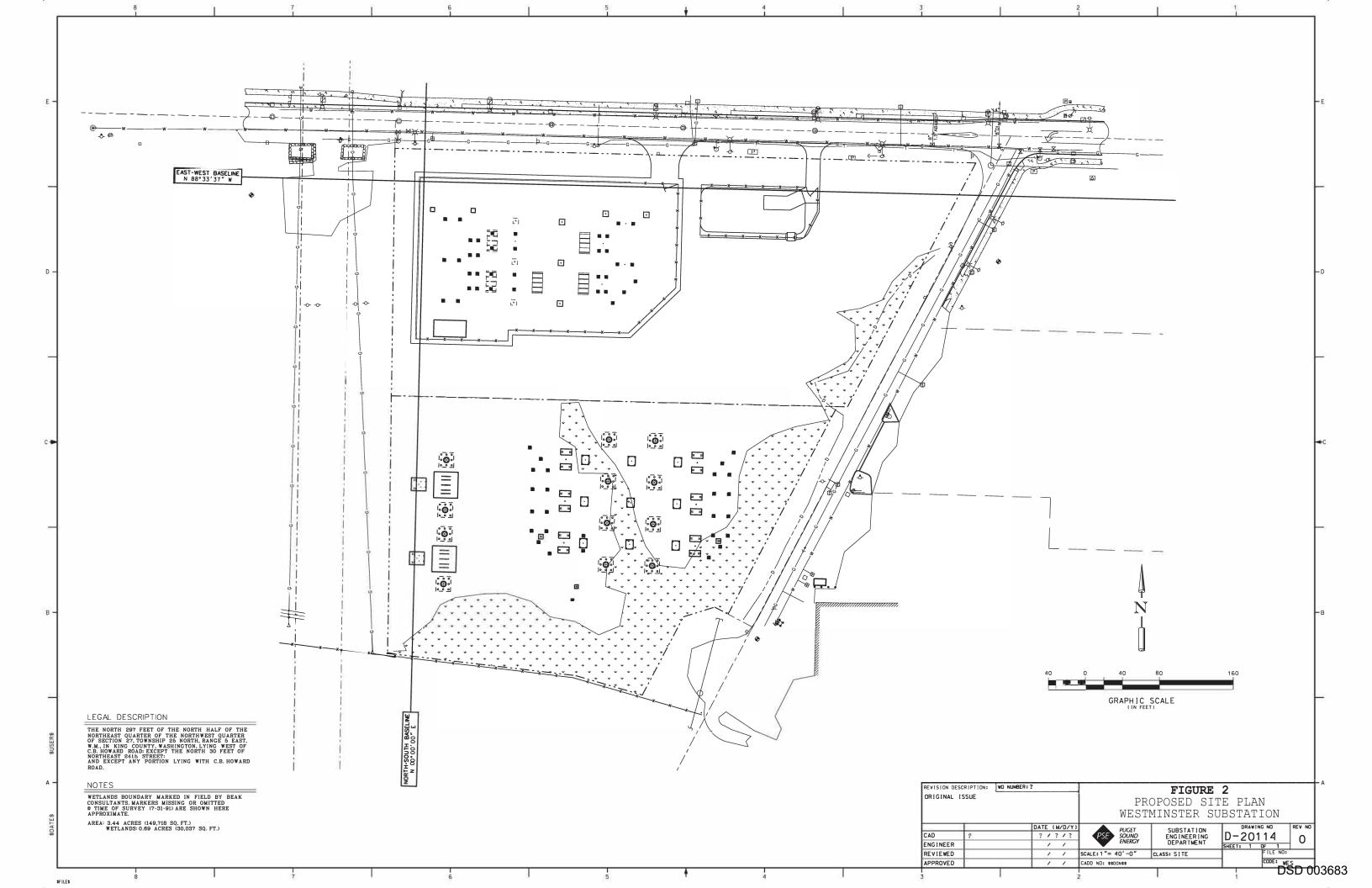
Please let us know if additional information or clarifications are needed.

Sincerely,

Bul State

Brad Strauch Senior Land Planner

Attachment



From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Friday, October 26, 2018 4:47 PM
To:	Bedwell, Heidi
Subject:	RE: Additional Comment Response needed
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi, please see the responses below.

Brad

From: Bedwell, Heidi [mailto:HBedwell@bellevuewa.gov]
Sent: Wednesday, October 10, 2018 11:21 AM
To: Strauch, Bradley
Subject: Additional Comment Response needed

Hi Brad,

This message pertains to your letter dated September 21, 2018 sent in response to the city's request for additional information about your peak loads. On June 8, 2018 PSE sent letters to several Cities on the eastside stating that their peak customer demand projections, which were the basis for determining the need for the Energize Eastside project, had been exceeded in the summer of 2017. In your response to City of Bellevue requests for data showing this growth you indicated that the kind of information requested could not be provided. As we discussed on October 9, 2018, there are some details that would help us better understand the letter and the circumstances that led to the 2017 peak demand.

 Please indicate which load forecast scenario the June 8 letter refers to when it says "peak demand increased faster than modeled and our actual 2017 summer peak demand exceeded our load forecast for summer 2018". We presume this refers to load forecasts in the 2015 Supplemental Eastside Needs Assessment Report. If this is correct, please indicate which threshold was exceeded.

Yes, PSE was referring to the load forecast utilized in the 2015 Supplemental Eastside Needs Assessment Report. The 2015 Needs Assessment, is based on the 2014 load forecast wherein Table 3-2, Summer Power Flow Summary Comparison, showed a forecasted 2018 summer area load of 3,625 MW with 100% conservation. At this level the table shows that various equipment overloads would occur during certain planning contingencies, which are required to be tested by federal planning standards (TPL-001-4). PSE's planning studies show that area peak summer power demand levels above the 3,625 MW, under certain contingencies, would result in overloads on eastside equipment, which could result in the use of Corrective Action Plans, which includes load shedding.

On August 3, 2017, the PSE area peak demand exceeded PSE's 2014 summer forecast – one year earlier than projected. PSE monitors the area peak in real time. However, it is important to note that the forecasted area peak load-- not actual data from a single year-- is the input used in PSE's planning studies. This is relevant because the federally mandated planning standards, NERC TPL-001-004, require that the system be assessed at forecasted peak load over various system conditions under a range of probable contingencies (e.g., transmission line going offline due to a tree branch). Here, PSE's planning studies showed a violation of the mandatory performance requirements where the forecasted peak load level was 3,625 MW. In the 2015 Needs Assessment, the load causing violations of planning standards was forecasted to occur in 2018. The actual peak area load level exceeded 3,625 MW in 2017; therefore, PSE is assuming additional risk to the reliability of the electrical system, which is what the planning studies are designed to prevent. Again, PSE's system planning studies comply with federal planning standards and use peak area forecasting as an input for the studies. As the City knows, PSE's planning methodology has been independently verified by the City's technical experts (including an analysis of Eastside-specific electricity demand) and as part of the EIS process – these demonstrate that the Energize Eastside project is needed. Additionally, the Federal Energy Regulatory Commission confirmed that PSE follows the federal transmission planning process.

2. Please provide information on what contributed to this peak load, including high temperatures, duration of the heat wave, and other conditions that led to higher than expected demand. To the extent that it can be determined, please provide information on where the higher than expected demand occurred.

PSE did not perform analysis of the electrical loads around the August 3, 2017 peak; therefore, we cannot draw specific conclusions about that event. However, PSE typically sees summer peak events occurring after consecutive hot days. For example, the 2017 summer peak occurred following three hot (92°F) consecutive week days with associated relatively high (68°F) night temperatures.

With increased temperatures, it is reasonable that increased air conditioning usage was a likely contributor. One of the key findings in the NW Power and Conservation Council's 7th Power Plan, was that increasing air conditioning use is a contributor to increasing summer peak loads. The Northwest Energy Efficiency Alliance's 2011-12 Residential Building Stock Assessment (RSBA) found that 34.4% (+/-3.4%) of single-family homes had mechanical cooling equipment. In comparison, the 2016-17 RSBA found that the number of single family homes with mechanical cooling equipment increased to 52.3% (+/-4.5%) across Washington state.

Additionally, we are seeing an increase in customer count in the service territory each year, which means additional customers using electricity during summer peaks each year.

#### DOCUMENT ROUTING FORM

Routed On: 10/17/2018 Prepared by: ROH

#### Folder: 17 120556 LB

#### Target Date: 04/14/2018

Folder Name: PSE Energize Eastside

Site Address: 13625 SE 26th St

Folder Type: Conditional Use

Sub Type: Nonresidential

Work Proposed: Use Approval

**Description:** Upgrade to existing transmission lines from 115kV to 230kV, including pole and conductor replacement. Construction of new 23okV to 115kV substation.

**Quick Review?:** 

Project Contact: Puget Sound Energy Brad Strauch

Phone: (425) 462-3223

Subject: Rev. 3 Intake & Route

#### Materials Routed:

Tree removal and vegetation plans.

#### Routed On: 10/17/2018

HBEDWELL	Land Use	
TMCFARLA	Clear & Grade	
ACHI	Utilities	
FSCHAFI	Transportation	
SNICHOLS	Fire	

City of Bellevue Permit Processing (425) 452-4898	REVISIONS/ADDITIONS SUBMITTAL FORM
	Tech Initials
	0
Permit # 17-120556-LB	Has permit been issued? Yes □ No 🖄
Job Address: 13600 SE 30th Street, Bellevue	
Project Name: PSE Energize Eastside	
Project Contact: Brad Strauch	Phone:( <u>425)_456-2556</u>
Project Contact Email Address: <u>bradley.strauch@pse.c</u>	com
Revisions requested by City staff? Yes 🖄 Reviewer	: <u>H.Bedwell</u> Dept_ Env. Planning
No 🗆	
On the line provided, write in the number of <b>sets</b> of each item the ( <b>Note:</b> You <u>must</u> provide the same number of documents/plans	as originally submitted.)
<u># Sets</u> Architectural Plan - sheet #	<u># Sets</u> Structural Calculations
Boundary/Topo Survey - sheet #	Structural Plan – sheet #
Building Elevations - sheet #	Wetland Report
C & G Temporary Erosion Control	
Civil Plan - sheet #	Electrical Plan - sheet #
Environmental Checklist	Mechanical Plan - sheet #
Exterior Lighting Plan - sheet #	Plumbing Plan - sheet #
Floor Plan – sheet #	King County Recording
Geotechnical Report	Date Recorded:
Landscape Plan – sheet #	Recording Number:
Mylar	5 Other: Explain and include # of sets.
Road Plan – sheet #	Tree Removal and Vegetation Plans
Site Plan – sheet #	
Storm Drainage Design – sheet #	3 Comment Response Letter Part 3
Street Lighting Plan - sheet #	
	elver.
<b>Describe the nature of the changes:</b> Response to City comments provided on August 14, 2018.	DCT 17 2018 DCT 17 2018 Permit Processi
	Permit



Puget Sound Energy P.O. Box 97034 Bellevue, WA 98009-9734

PSE.com

October 17, 2018

Heidi Bedwell, Environmental Planning Manager City of Bellevue 450 110th Avenue NE Bellevue, WA 98004

#### RE: South Bellevue Segment Energize Eastside – Response to Technical Review Letter, Part 3 Conditional Use (File# 17-120556-LB) Critical Areas Land Use Permit (File #17-120557-LO)

Dear Ms. Bedwell:

Puget Sound Energy, Inc. (PSE) provides the following responses to the City of Bellevue's (City's) August 14th, 2018, letter requesting additional information on the above referenced permit applications. The response is specific to Tree Removal and Vegetation Management.

#### Land Use Review Comments - Tree Removal and Vegetation Management:

#### Requirements

The Federal Energy Regulatory Commission (FERC) has certified the National Energy Regulatory Corporation (NERC) as the electric reliability organization who establishes legally enforceable mandatory standards for the U.S. bulk power system. PSE is required by NERC standards to maintain safe clearances between vegetation and utility lines. Specifically, NERC FAC-003-4 (Transmission Vegetation Management) sets forth the vegetation management requirements for transmission lines operated above 200 kV.

Under NERC FAC-003-4, PSE must manage vegetation to prevent encroachments into the Minimum Vegetation Clearance Distance (MVCD) of its applicable line(s). Since the Energize Eastside Project entails replacing the existing 115 kV lines with 230 kV lines, the upgraded transmission lines must comply with the NERC standard and PSE's 230 kV vegetation management standard, which generally require the removal of trees with an expected mature height of more than 15 feet from the wire zone. Management of trees within the transmission right of way may also be required depending on tree species, tree health, distance from the wires, and topography.

Using GIS modeling that uses the above referenced standards, it has been estimated that there are approximately 550 significant trees that do not meet the NERC and PSE vegetation management standards in Bellevue – south segment. Also, it is important to note that these trees are already located within an existing and managed transmission line corridor. Further, more than 80 percent of these trees



are in poor to fair condition. The original tree inventory field work was completed on October 13, 2016, and includes trees that may have been removed by entities other than PSE since that time. Additionally, the GIS modeling estimate does not account for additional trees that may now be regulated as significant trees due to growth since the original inventory. Some of these trees that are now classified as significant are expected to require removal. It is estimated that those trees plus those confirmed during recent property owner meetings (see below) equate to around 579 significant trees that are expected to be removed for the project.

#### **Private Property**

Removal of trees associated with transmission lines, especially when upgrading within an existing transmission line corridor, is typically a dynamic process. One factor that can influence the removal determination process is the various access limitations that can arise along the corridor during the planning and design phase of a project. As stated previously, an initial tree inventory and GIS modeling were performed as the basis for evaluation during the EIS process and used to develop PSE's permit application materials.

Using the data collected during the tree inventory work, the Vegetation Impact Analysis (VIA) identified an estimated number of trees that are anticipated for removal in the corridor. Since collection of the data and subsequent analysis, PSE has been inviting property owners to meet and discuss vegetation replacement options. At the property owner meetings, project staff shares the current project design and gathers the property owners' input on how their respective properties can be replanted. Project staff shares an Energize Eastside-specific plant palette (see attached), a reference guide of compatible replacement vegetation, and asks property owners to share their preferences. Also during meetings with property owners, PSE re-confirms, and if necessary, updates the original tree inventory data. Our project staff then uses the tree inventory data (which is field verified during the site visit), each property owner's preferences for compatible vegetation, and the project-specific plant palette to evaluate and develop replacement options for each property.

Using these tools, combined with discussions with the property owners, information is gathered that will help inform the development of a Draft Landscape and Tree Replacement Plan (see sample). The modeling data is then reviewed and the trees are further assessed to determine if removal is required. Typical factors that affect the removal determination are field-confirmed tree sub-species or variety, property specific topography, and existing physical form and current maintenance activities (e.g., a specific variety of fruit tree that is regularly maintained would not be expected to reach its maximum potential height and therefore would not need to be removed).

Following the initial property owner meeting, project staff develops the property specific Draft Landscape and Tree Replacement Plan. Project staff then schedules a second meeting with each affected property owner to share and discuss the draft plan for their property. During the second meeting, the plan is reviewed carefully with the property owner and changes, if necessary, are discussed and documented.



PSE's approach is to encourage property owners to incorporate additional trees into their landscape and tree replacement plans; however, PSE cannot require property owners to do so. While some property owners take this as an opportunity to add additional trees to their properties, others decline the offer of any replacement trees. As of the end of September 2018, PSE has met with approximately 45% of the property owners who are expected to have vegetation changes along the route in Bellevue – south segment.

PSE anticipates that a number of trees cannot be replaced onsite due to property owners' preferences. In those cases replacement trees will need to be planted outside the corridor. One benefit of offsite planting is the option to plant larger trees, which contribute to habitat quality, tree canopy, and area aesthetics. Offsite options that PSE has considered include city parks, neighborhood groups/HOAs, and other developments within the City.

PSE reviewed the number of significant trees located on private property. Table 1 indicates the number of these trees that are in critical areas, buffers, and structure setbacks.

Table 1
Private Property Significant Trees Proposed for Removal

	Non-Critical Areas	Critical Areas ¹	Buffers ²	Setback ³	Total
Private Property	240	44	98	102	484

1. Includes wetlands, streams, steep slope and landslide geologic hazard areas, and flood hazard areas (100-year floodplain).

2. "Buffers" includes the standard buffers for wetlands and streams and a 50-foot top-of-slope buffer for steep slopes and landslide geologic hazard areas.

3. Structure setbacks includes a 15-foot structure setback for wetlands and streams and a 75-foot toe-of-slope setback for steep slopes and landslide geologic hazard areas.

#### **Rights-of-Way and City Property**

Based on permitting requirements for past PSE projects in Bellevue, the methods outlined in the Council of Tree and Landscape Appraisers, *Guide for Plant Appraisal* have been used to assess the value of trees that required removal from the City's rights-of-way (ROW). PSE proposes to use the City's previous tree valuation approach for Energize Eastside. PSE will provide appraised values of significant ROW trees to the City for approval based on the 10th Edition of the *Guide for Plant Appraisal*.

PSE reviewed the number of trees located in public ROW and on City owned properties. Table 2 indicates the number of significant trees within ROW and City owned properties that are in critical areas, buffers, and structure setbacks. It is important to note that most of these trees have been included in PSE's ongoing vegetation management within the existing transmission line corridor that has been operational for around 80 years. Unlike the trees located within the public ROW, trees located on City owned properties are subject to PSE's easements that predate the City's incorporation. Therefore, trees on private property and city owned property are only eligible for replacement. The tree removal plans for trees in ROW and on City properties are attached.



	ROW and	City Property Tre	es Proposed for R	emoval	
	Non-Critical Areas	Critical Areas ¹	Buffers ²	Setback ³	Total
ROW	32	23	0	11	66
City Property	6	6	9	8	29

Table 2 ROW and City Property Trees Proposed for Removal

1. Includes wetlands, streams, steep slope and landslide geologic hazard areas, and flood hazard areas (100-year floodplain).

2. "Buffers" includes the standard buffers for wetlands and streams and a 50-foot top-of-slope buffer for steep slopes and landslide geologic hazard areas.

3. Structure setbacks includes a 15-foot structure setback for wetlands and streams and a 75-foot toe-of-slope setback for steep slopes and landslide geologic hazard areas.

#### **Tree Replacement Approach**

PSE has successfully used an Adaptive Tree Replacement approach on similar 115 kV to 230 kV upgrade projects. Long-term utility corridors that are primarily established by easement can be challenging when it comes to tree replacement. Although PSE has the rights to operate transmission lines in the corridor, the ability to require property owners to accept mitigation (*i.e.*, additional trees) is not specifically identified in the easements. Additionally, it has been PSE's experience that vegetation replacement on properties where the owners actually want additional plantings is the most successful. Recognizing that less than half of the Bellevue property owners have met with PSE to discuss tree replacement options, an Adaptive Tree Replacement approach is being proposed as it will provide the most reliable information based on actual tree removal. This approach will allow for solidification of tree replacement numbers once construction begins. Trees in critical areas may be subject to additional requirements.

The proposed steps for the adaptive Tree Replacement approach include:

- At the time of construction, documentation of trees that are removed on a property by property basis will be collected. This will include the tree species, inventory tag number, and diameter at breast height (dbh) at the time of removal.
- This will be cross-referenced to the proposed landscape and tree replacement plan that was provided to the property owner. Changes to the proposed plan could occur based on a number of factors such as property ownership changes, prior removal of trees by the owner, as well as other factors.
- The landscape and tree replacement plan will be updated and provided to the City as documentation. This will document each tree that was removed and those trees that are installed.
- Upon completion of replanting, PSE will provide a summary report that documents the number and types of trees that have been removed and planted.
- PSE will guarantee plant survival for one year after the planting, with replacement of the plant as the primary remedy.
- Based on the agreed-upon replacement ratios, PSE will provide a financial guarantee that covers the estimated cost of tree replacement (including materials and labor) prior to the issuance of the Clearing and Grading permit. Release of said guarantee by the City will occur upon PSE's submittal of the summary planting report.



To serve as a basis for the financial guarantee and overall tree replacement requirement, PSE is proposing to replace trees using the ratios presented in the table below.

Tree Size (dbh)	Replacement Ratio	<b>Regulated Trees</b>	Replacement Trees
< 6"	As requested by property owner	N/A	TBD
6" to ≤ 12"	1:1	241	241
> 12" to < 30"	2:1	298	596
≥ 30″	3:1	11	33

To help increase tree numbers in Bellevue, PSE has been participating in the Energy Saving Trees program, which provides trees to those residents that want to add trees to their property in a manner that can help offset energy usage. While in most cases these trees are not along the project corridor, they are in the City and help buffer potential tree loss due to factors such as mortality and property owner changes (*i.e.*, a new property owner removes existing trees due to landscaping preferences). PSE initiated use of this program earlier in 2018 in an effort to help offset anticipated tree removal associated with Energize Eastside. During the spring event, PSE and the Arbor Days Foundation provided 551 trees to 300 Bellevue residents. Another round of the program is currently underway. We believe that use of this program allows for trees to be provided to property owners who want additional trees.

Thank you for your effort in processing our application. Please let us know if additional clarification is needed.

Sincerely,

Bul Starts

Brad Strauch Senior Land Planner

Attachments











- NOTES
   THIS PLAN IS FOR DISCUSSION PURPOSES ONLY. PSE DOES NOT REPRESENT, WARRANT OR GUARANTEE THAT THE FINAL VEGETATION PLAN WILL INCLUDE THE TREES AND SHRUBS, AND PLANTING LOCATIONS DEPICTED IN THIS CONCEPTUAL PLAN. THE PLAN IS SUBJECT TO FURTHER DESIGN, EENVIRONMENTAL REVIEW, PERMITTING, AND CONSTRUCTION NEEDS THAT MAY ARISE AT A LATER DATE.
   PLEASE BE AWARE THAT CONSTRUCTION ACCESS, POLE TYPES, POLE HEIGHTS, AND POLE LOCATIONS ARE SUBJECT TO CHANGE PENDING FURTHER DESIGN, ENVIRONMENTAL REVIEW, PERMITTING AND IN-FIELD
   REPLACEMENT TREES AND SHRUBS WILL BE PLANTED AT LESS MATURE HEIGHTS THAN WHAT IS SHOWN IN THE PLAN.

- WATERSHED COMPANY PUGET SOUND ENERGY PSE NOT FOR CONSTRUCTION

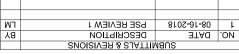
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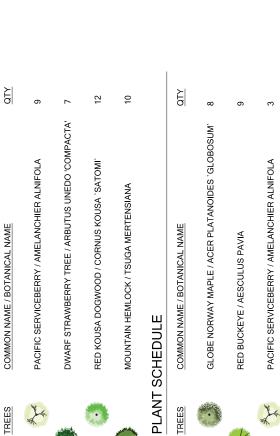
160'

5

20'

10'





## LEGEND

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TOBA HAWTHORN / CRATAEGUS X MORDENENSIS 'TOBA'

X

TREES

APPROXIMATE PARCEL BOUNDARY 1

**PSE EASEMENT** 



## TREE TABLE

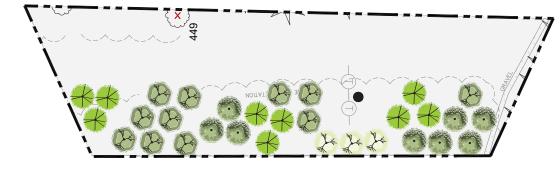
		- רר - כטרר				
	TAG #	TAG # COMMON NAME / BOTANICAL NAME	DBH	REMOVE	TRUNK	FIELD
			(NI)		IREAIMENI	DETERMINATION
	449	Sweet cherry / Prunus avium	3.0	Yes	Grind	+
	535	Douglas-fir / Pseudotsuga menziesii	13.0	Yes	Grind	-
	536	Spruce species / Picea sp.	11.0	Yes	Grind	-
	537	Spruce species / Picea sp.	10.5	Yes	Grind	-
	538	Douglas-fir / Pseudotsuga menziesii	10.0	Yes	Grind	•
	539	Horse chestnut / Aesculus hippocastanum	5.0	Yes	Grind	-
1	580	Pacific willow / Salix lasiandra	17.0	Yes	Grind	-
A MANA	581	Pacific willow / Salix lasiandra	10.0	Yes	Grind	-
	582	Apple / Malus domestica	3.7	Yes	Grind	2
	583	Apple / Malus domestica	2.2	Yes	Grind	2
	584	Apple / Malus domestica	3.0	Yes	Grind	2
	585	Apple / Malus domestica	1.8	Yes	Grind	2
	586	Apple / Malus domestica	2.6	Yes	Grind	2
La ser h	587	Apple / Malus domestica	2.2	Yes	Grind	2
	589	Apple / Malus domestica	4.1	Yes	Grind	2
商業人にいた日本	590	Apple / Malus domestica	2.0	Yes	Grind	2
	591	Apple / Malus domestica	2.0	Yes	Grind	2
and the second s	592	Sweet cherry / Prunus avium	1.2	Yes	Grind	-
	593	Sweet cherry / Prunus avium	3.1	Yes	Grind	-
	594	Sweet cherry / Prunus avium	1.5	Yes	Grind	F
Mountain Homlock	595	Sweet cherry / Prunus avium	4.2	Yes	Grind	-
	596	Asian pear / Pvrus pvrifolia	1.5	Yes	Grind	



Red Kousa dogwood

Dwarf strawberry tree

Pacific serviceberry



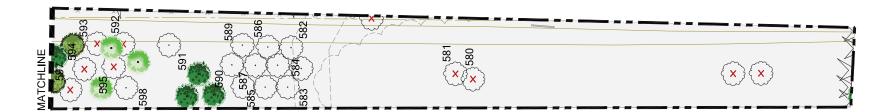


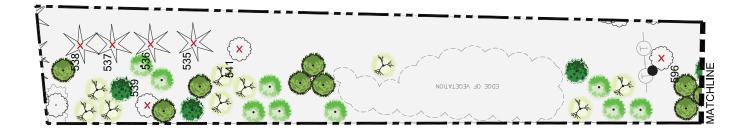
PLANT SCHEDULE

TREES

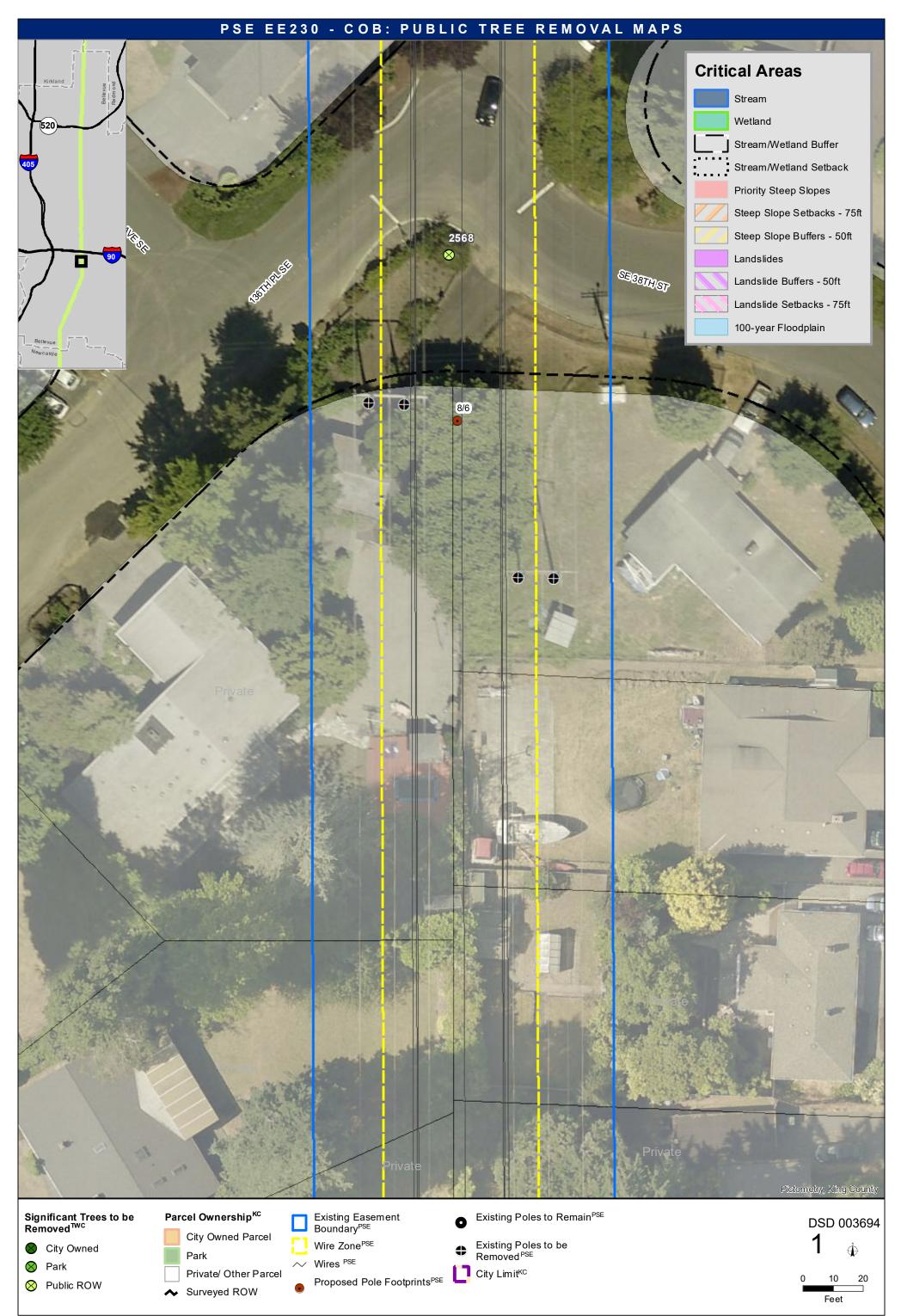
X

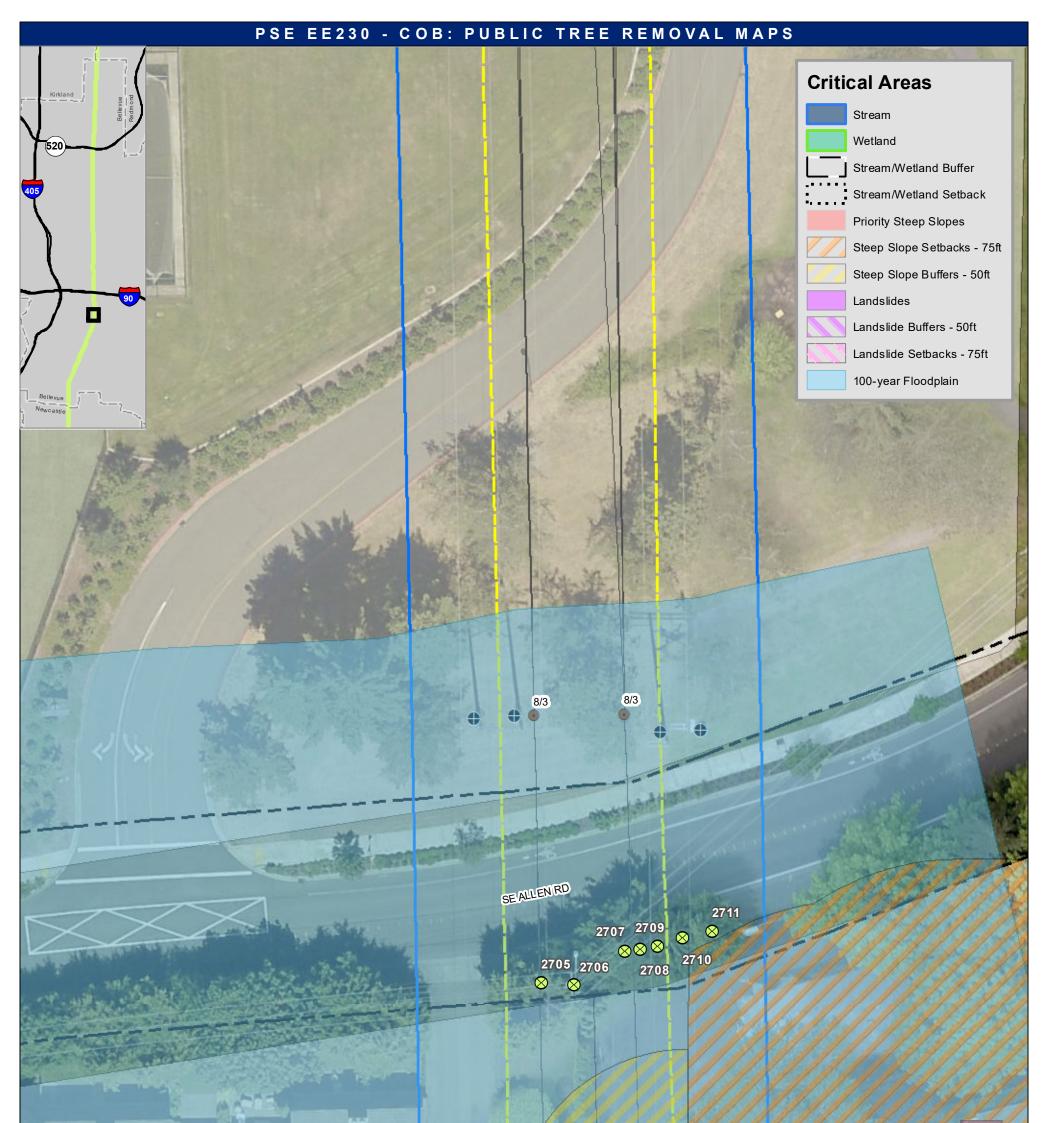
# **EXAMPLE PLAN**



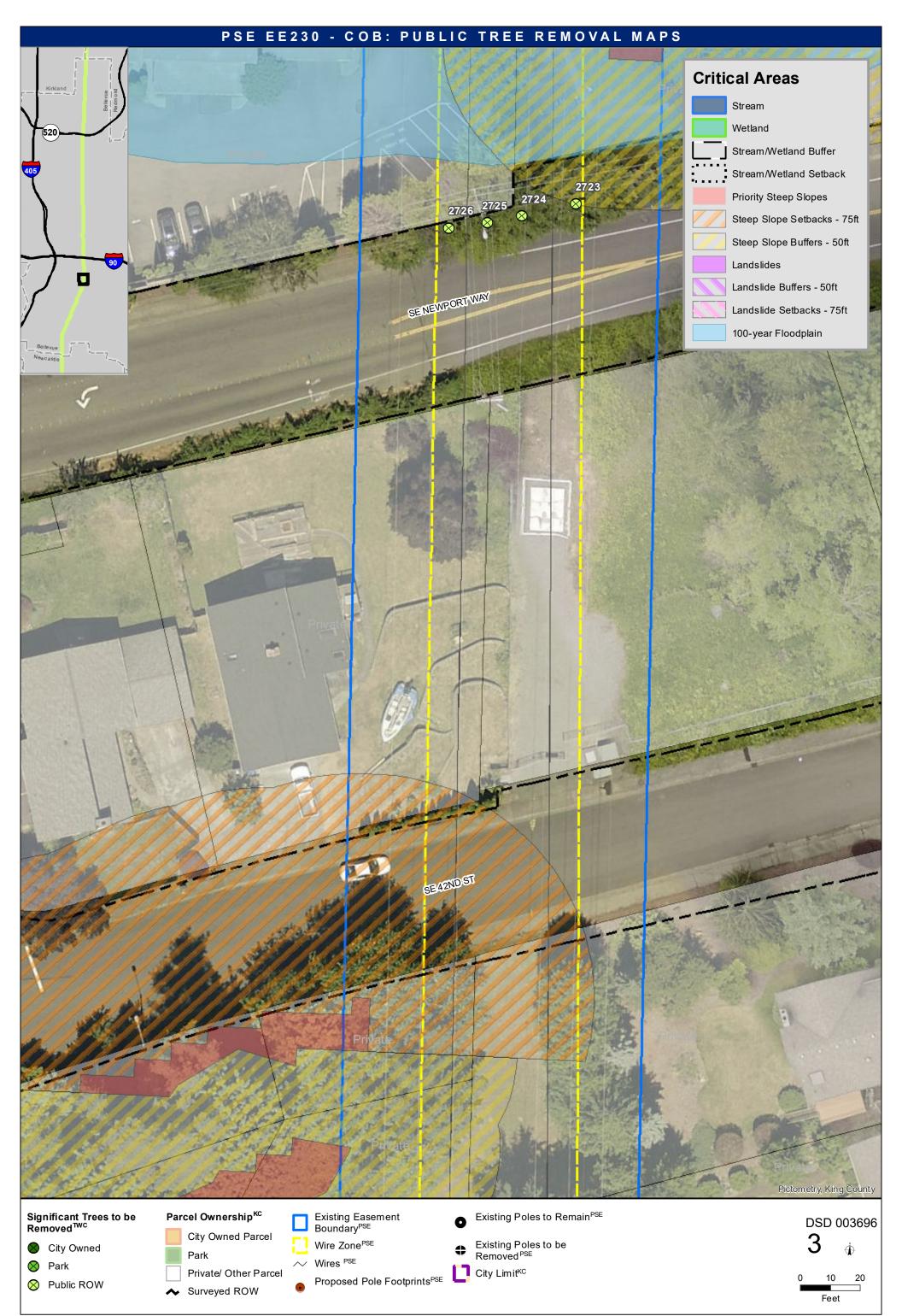


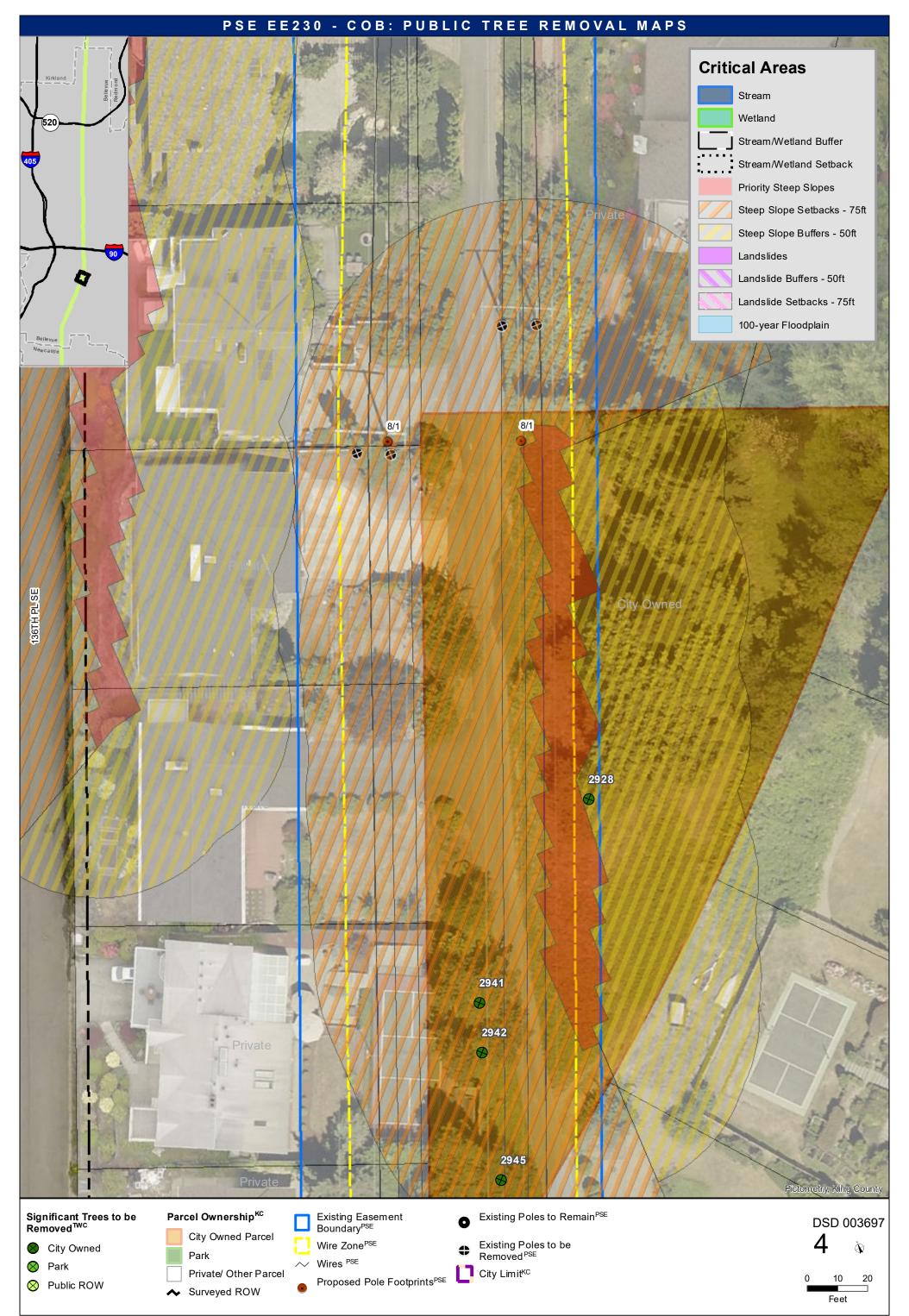
DSD 003693

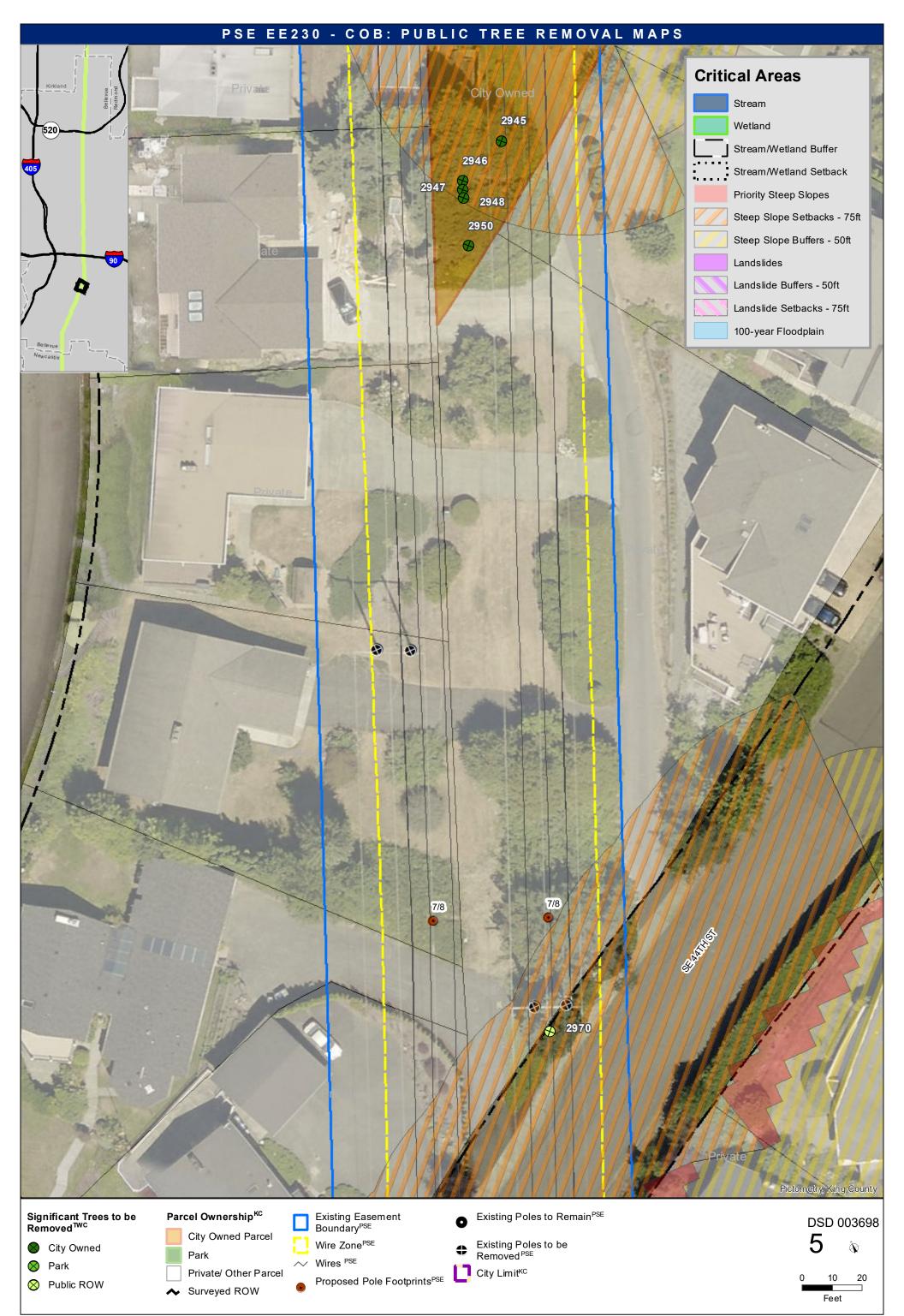




	Private		Contraction of the second seco	Pictometry, King County
Significant Trees to be Removed ^{™C} <ul> <li>Oity Owned</li> <li>Park</li> <li>Public ROW</li> </ul>	Park	Existing Easement Boundary ^{PSE} Wire Zone ^{PSE} Wires ^{PSE} Proposed Pole Footprints ^{PSE}	<ul> <li>Existing Poles to Remain^{PSE}</li> <li>Existing Poles to be Removed^{PSE}</li> <li>City Limit^{KC}</li> </ul>	DSD 003695 2 0 10 20 Feet

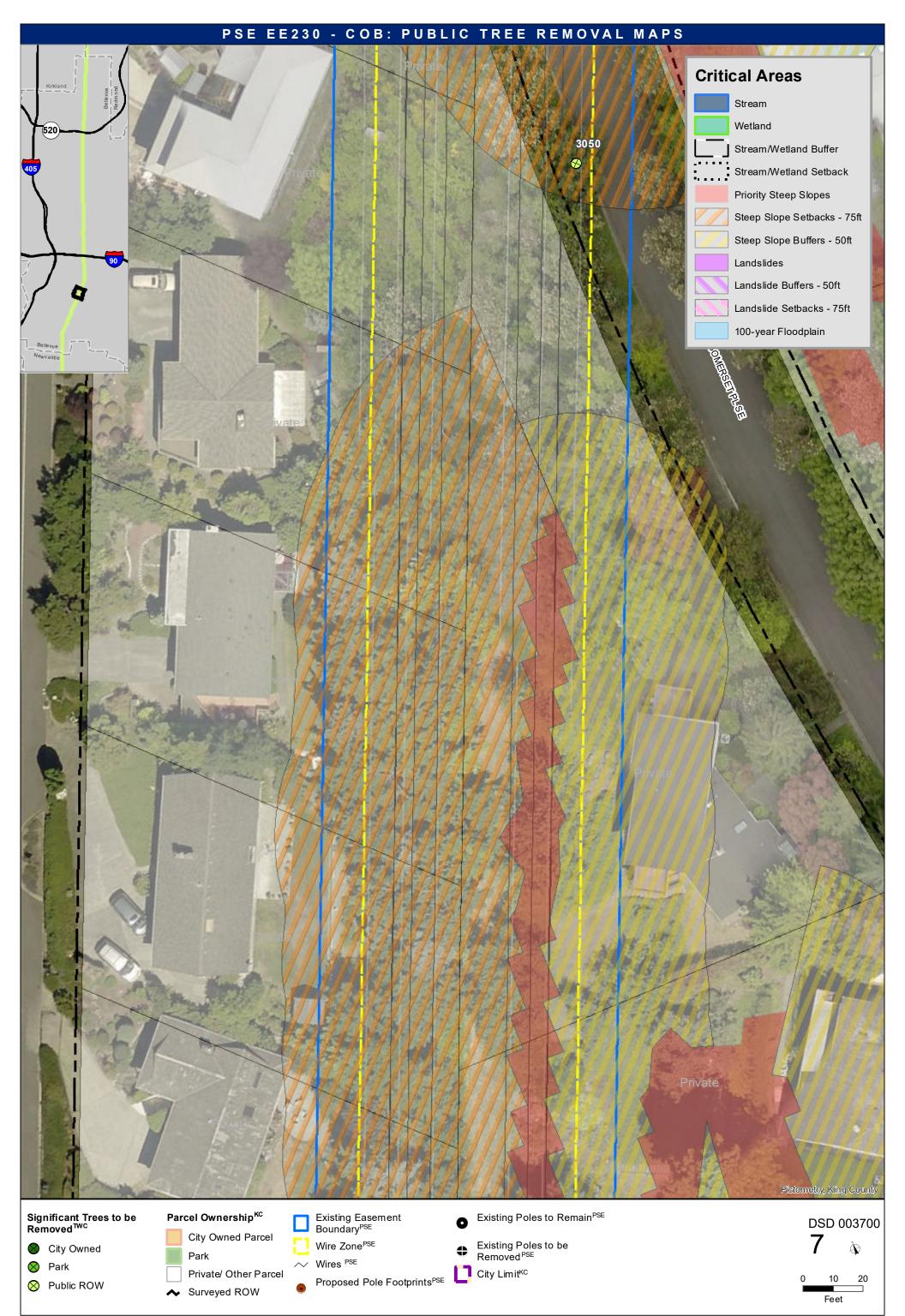


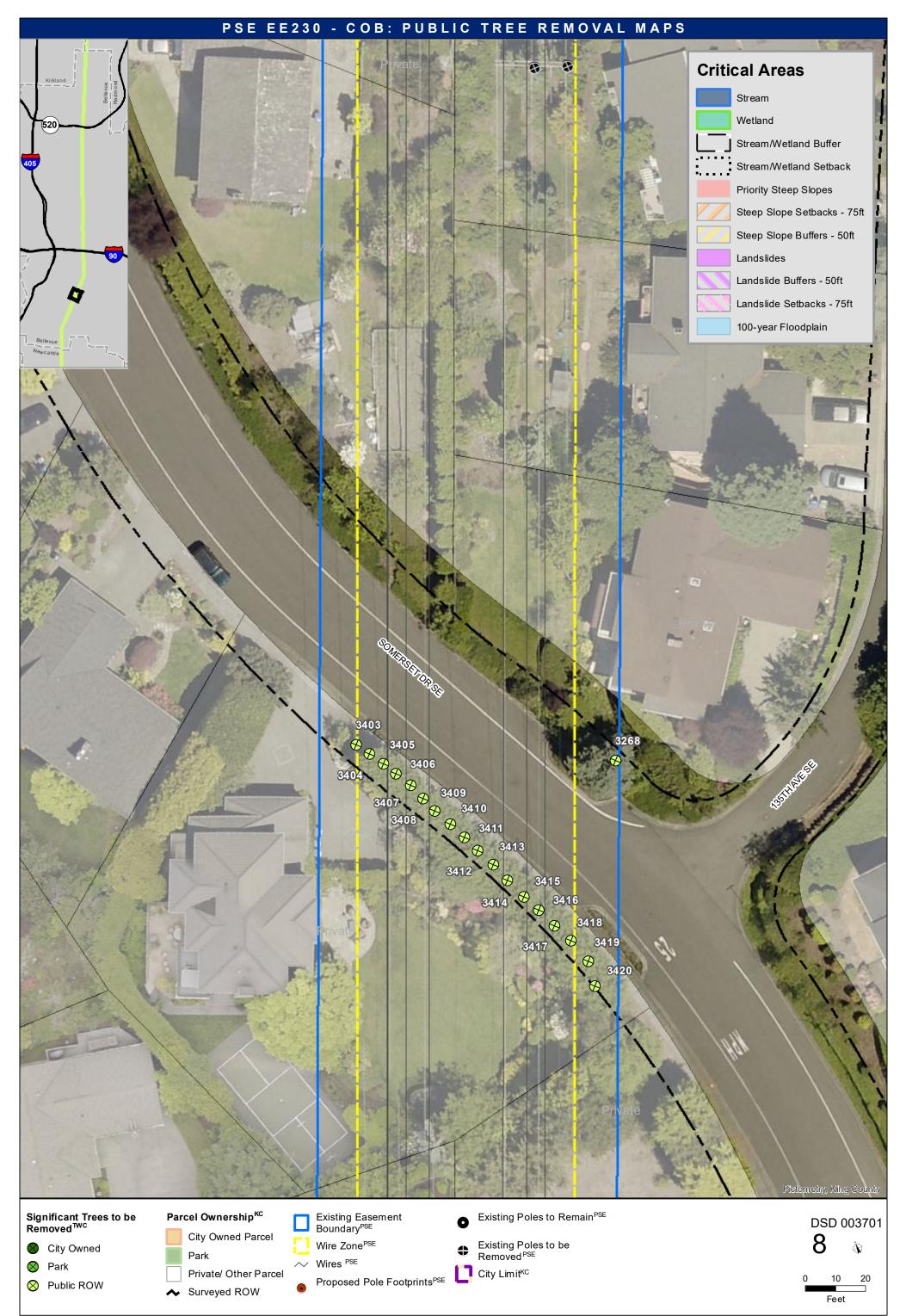


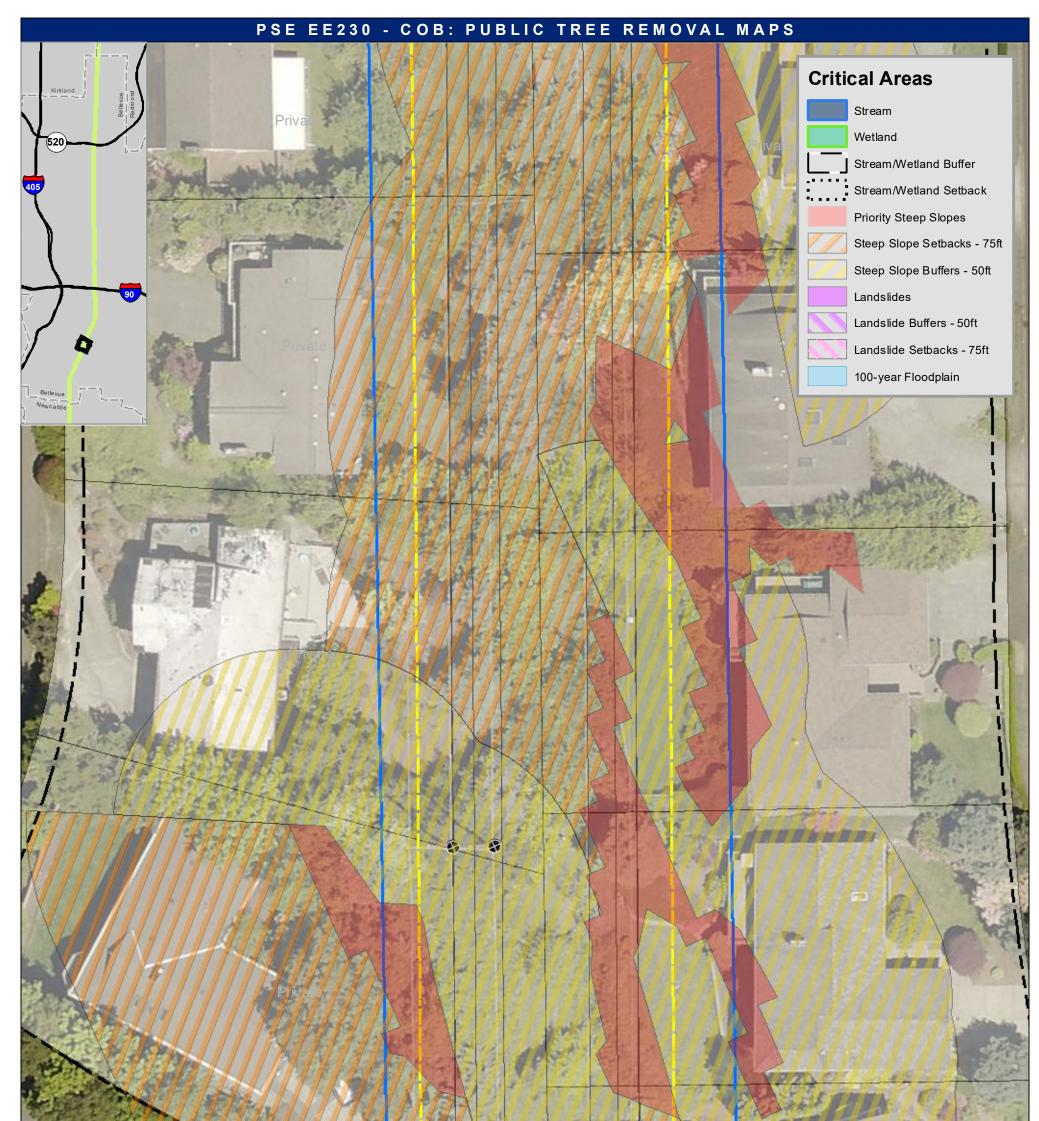




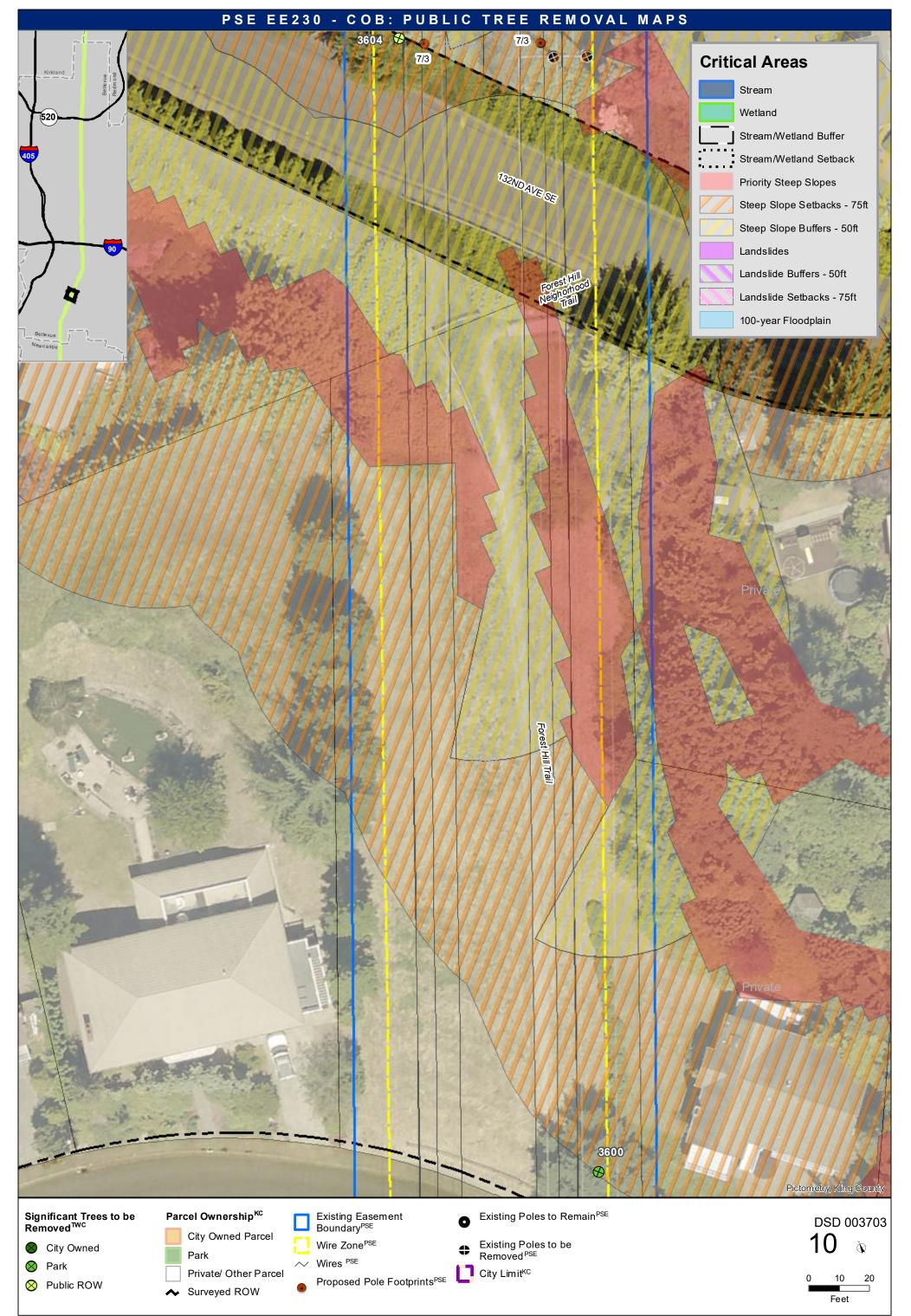
## PSE EE230 - COB: PUBLIC TREE REMOVAL MAPS





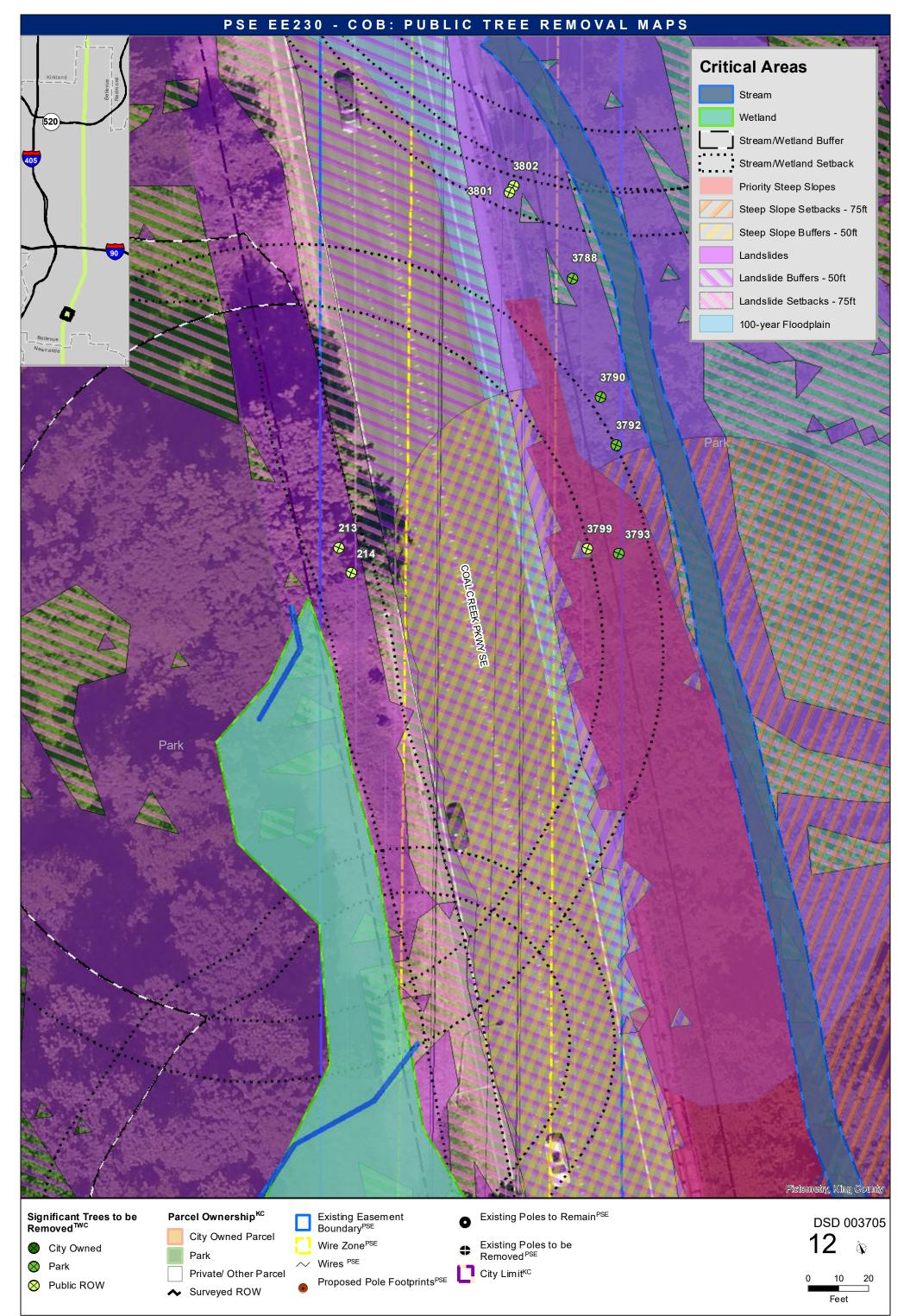


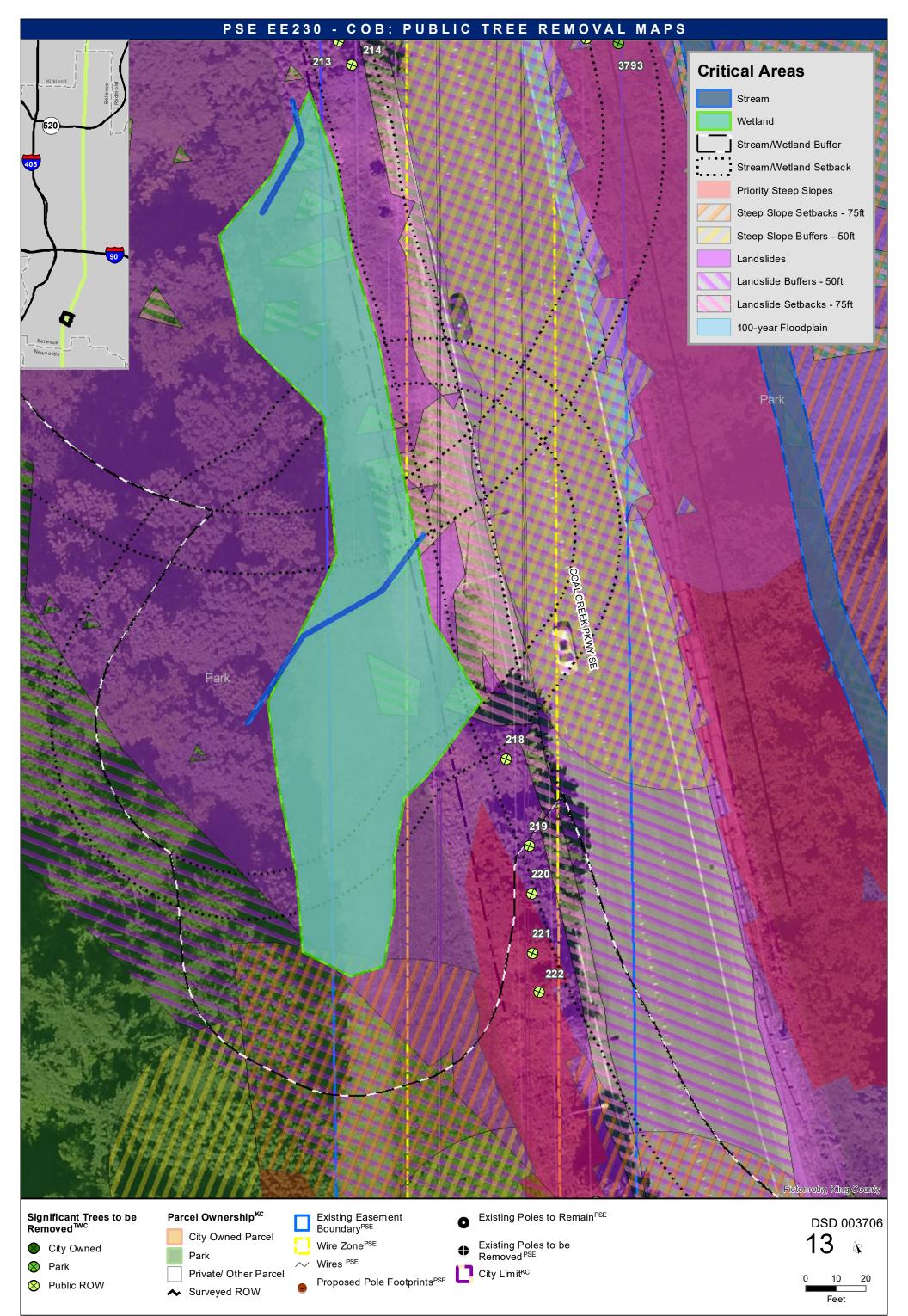
	T32NDAVE SE	3604 7/3	7/3	
Significant Trees to be Removed ^{™VC} <ul> <li>Otity Owned</li> <li>Park</li> <li>Public ROW</li> </ul>	City Owned Parcel Park Private (Other Parcel	dary ^{PSE}	Existing Poles to Remain ^{PSE} Existing Poles to be Removed ^{PSE} City Limit ^{KC}	Pictometry, King County DSD 003702 9 &

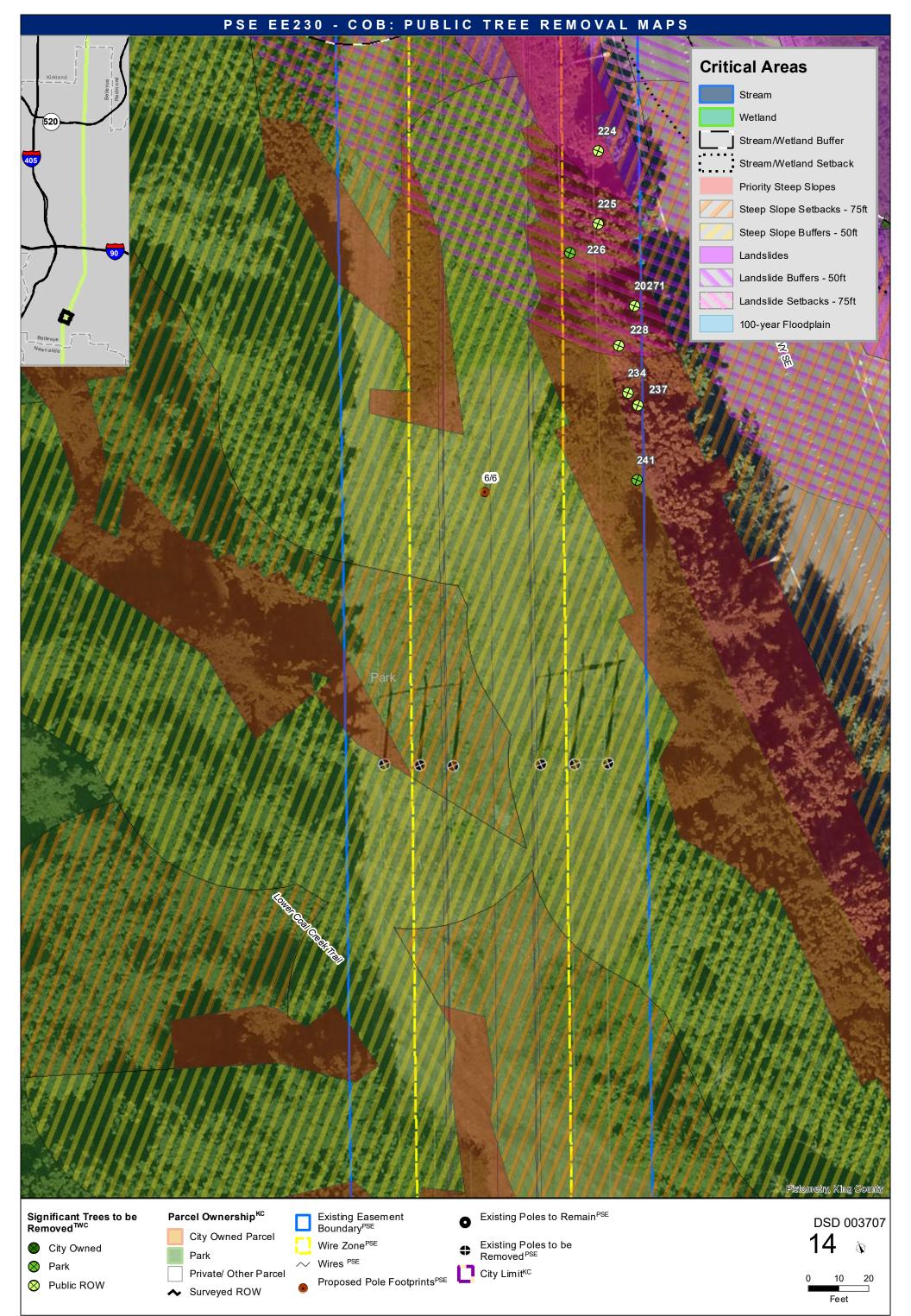


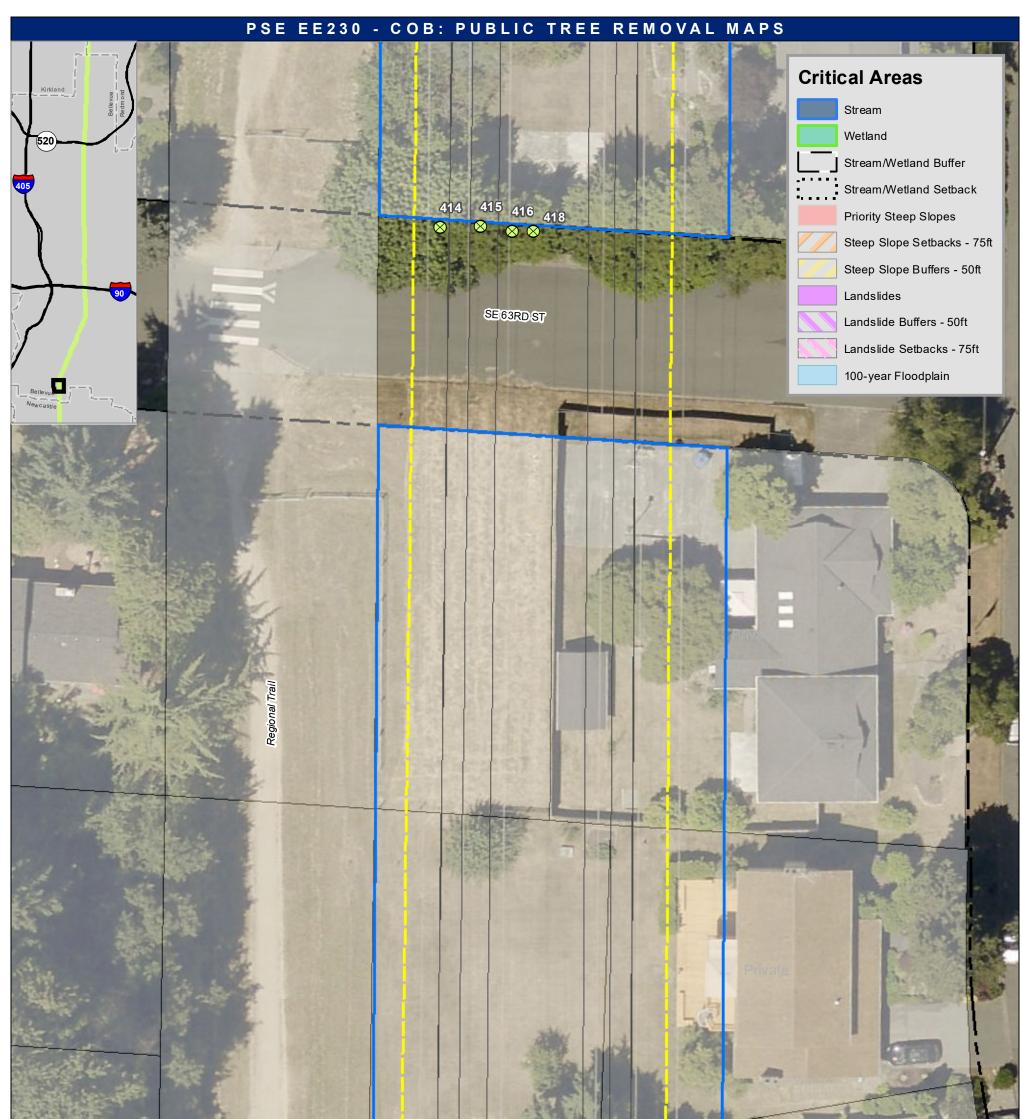
## PSE EE230 - COB: PUBLIC TREE REMOVAL MAPS





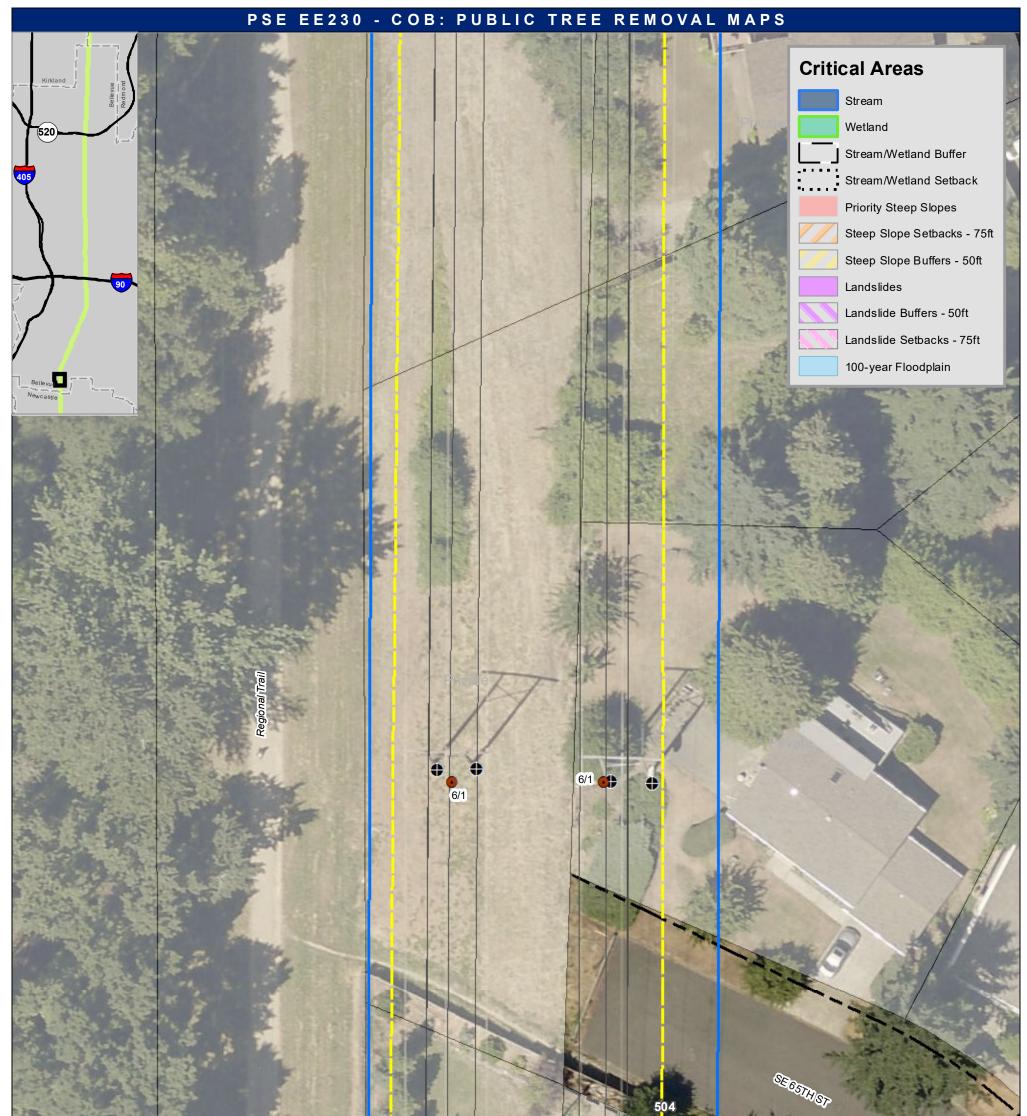






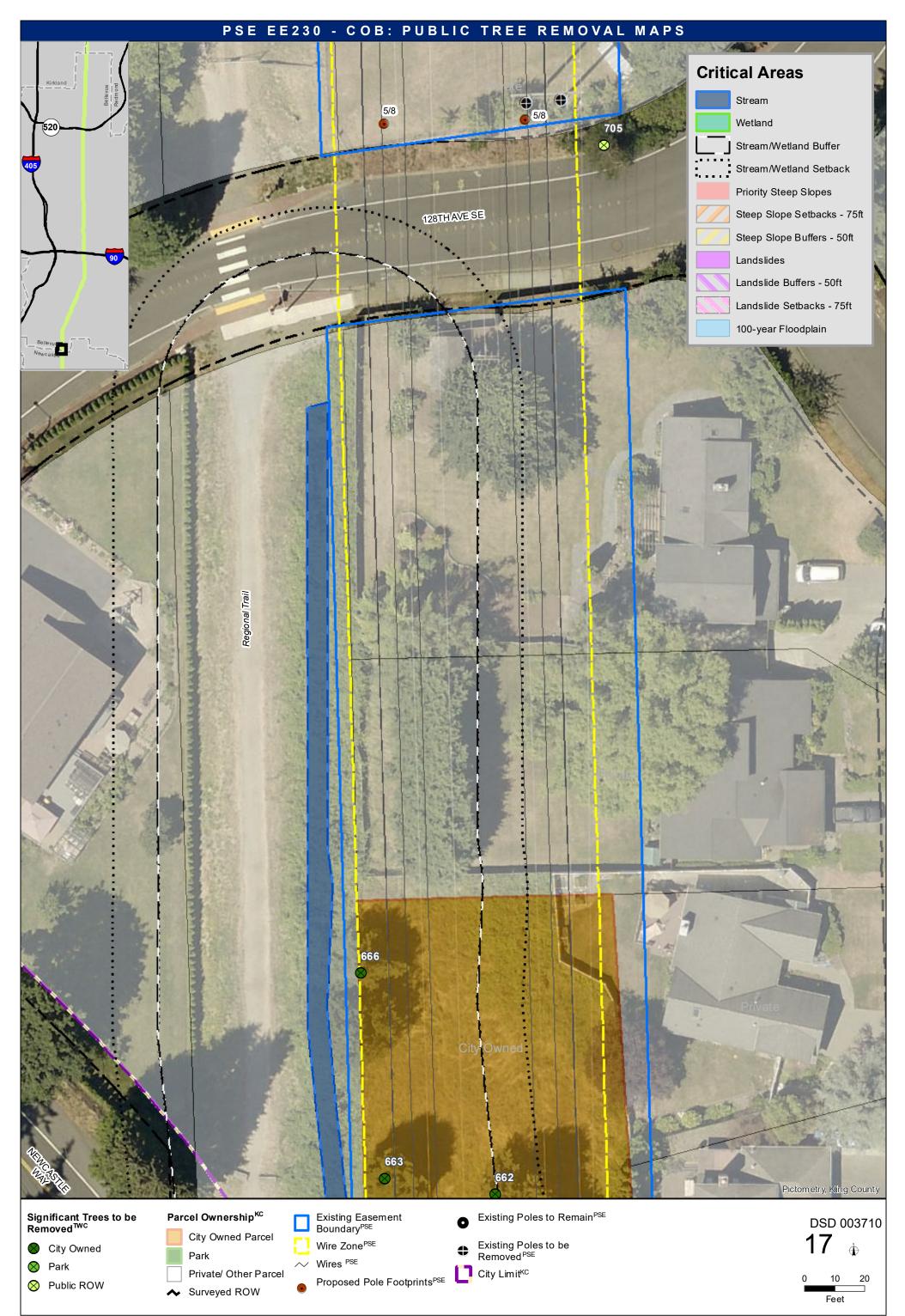
				Pittometry, King County
Significant Trees to be Removed™c●City Owned●City Owned●Park●Public ROW	Parcel Ownership ^{KC} City Owned Parcel Park Private/ Other Parcel ★ Surveyed ROW	<ul> <li>Existing Easement Boundary^{PSE}</li> <li>Wire Zone^{PSE}</li> <li>Wires ^{PSE}</li> <li>Proposed Pole Footprints^{PSE}</li> </ul>	<ul> <li>Existing Poles to Remain^{PSE}</li> <li>Existing Poles to be Removed^{PSE}</li> <li>City Limit^{KC}</li> </ul>	DSD 003708 <b>15</b>

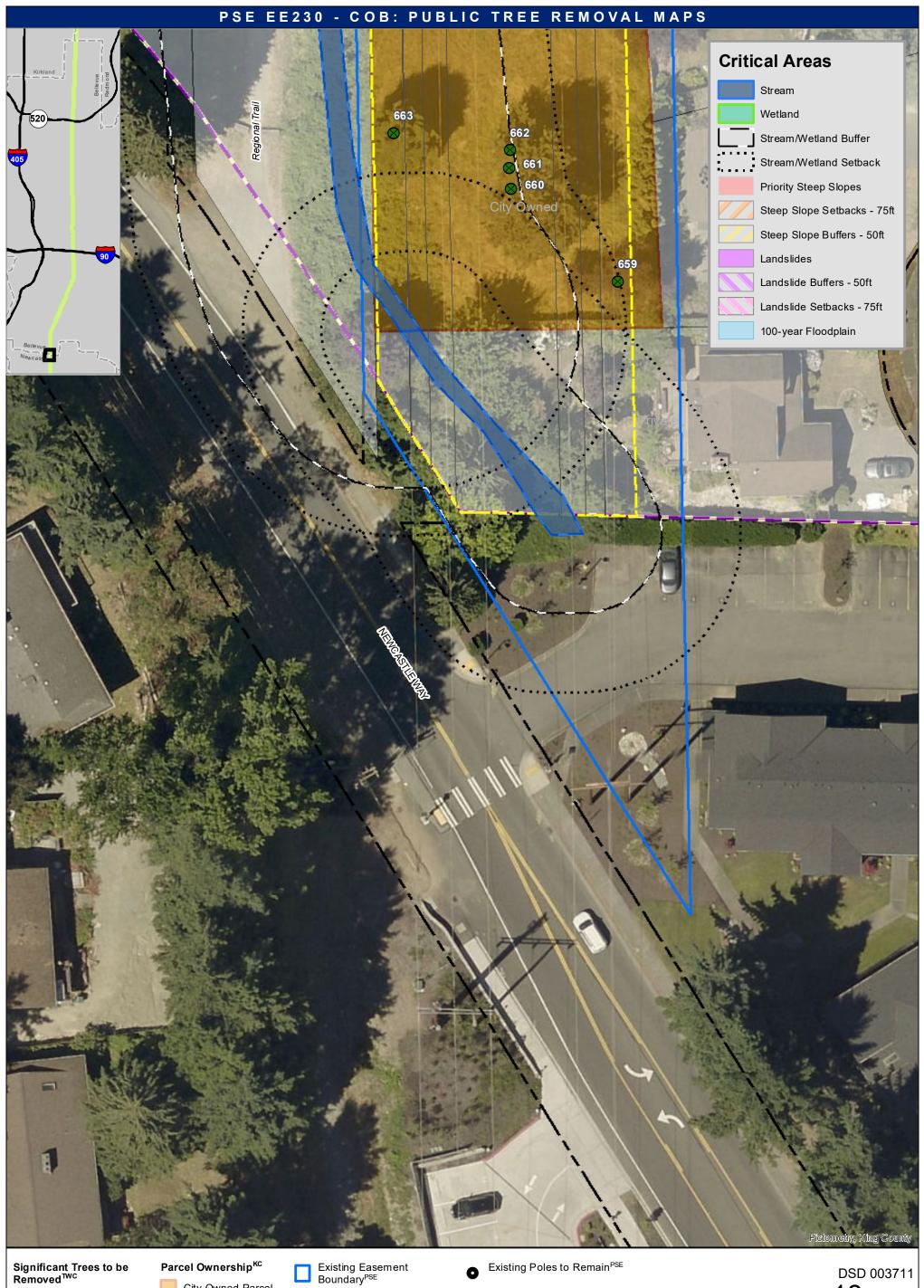
20 0 10 Feet



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	Fr. A. B. C. C.	THERE IS A
		1 Non
Sara in		Mar .
		Pictometry, King Gounty

Significant Trees to be Removed ^{™C}	Parcel Ownership ^{ĸc}	Existing Easement Boundary ^{PSE}	Existing Poles to Remain ^{PSE}	DSD 003709
City Owned	City Owned Parcel	Wire Zone ^{PSE}	Existing Poles to be	16 🚸
Park	Private/ Other Parcel	<ul> <li>Wires ^{PSE}</li> <li>Proposed Pole Footprints^{PSE}</li> </ul>	<ul> <li>Removed ^{PSE}</li> <li>City Limit^{KC}</li> </ul>	0 10 20
🚫 Public ROW	✤ Surveyed ROW		—	Feet





 Significant Trees to be Removed^{Twc}
 Parcel Ownership^{1/w}
 Existing Easement Boundary^{PSE}
 Existing Poles to Remain^{1/w}
 DSD

 Image: City Owned
 City Owned Parcel
 Wire Zone^{PSE}
 Existing Poles to be Removed^{PSE}
 18

 Image: Park
 Private/ Other Parcel
 Wires ^{PSE}
 City Limit^{KC}
 0

 Image: Proposed Pole Footprints^{PSE}
 Proposed Pole Footprints^{PSE}
 City Limit^{KC}
 0

Data sources: Puget Sound Energy (PSE), The Watershed Company (TWC), City of Bellevue (COB), and King County (KC). Aerial imagery from PSE, 2011.

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10

Feet

20

ID	Tree Tag	Parcel Number	Scientific Name	Common Name	DBH_1	DBH_2	DBH_3	DBH_5	DBH_5	Condition	Remove or Retain?
1	5194	2124059001	Pseudotsuga menziesii	Douglas-fir	11					3 - Fair	Retain
2	5195	2124059001	Pseudotsuga menziesii	Douglas-fir	9.1					3 - Fair	Retain
3	5196	2124059001	Pseudotsuga menziesii	Douglas-fir	10.2					3 - Fair	Retain
4	5193	2124059001	Pseudotsuga menziesii	Douglas-fir	14.5					4 - Poor	Retain
5	5188	2124059018	Acer macrophyllum	Bigleaf maple	9.8	3.1	3.1			3 - Fair	Retain
6	5189	2124059018	Pseudotsuga menziesii	Douglas-fir	28.8					3 - Fair	Retain
7	5190	2124059018	Pseudotsuga menziesii	Douglas-fir	8					4 - Poor	Retain
8	5191	2124059001	Acer macrophyllum	Bigleaf maple	22.5	19.1				3 - Fair	Retain
9	5192	2124059001	Pseudotsuga menziesii	Douglas-fir	28.2					3 - Fair	Retain
10	0	1024059083	Fagus sylvatica 'purpurea'	European beech (purple)	27.3					3 - Fair	Retain
11	0	1024059083	Pinus contorta	Shore pine	10					3 - Fair	Retain
12	0	1024059083	Fagus sylvatica 'purpurea'	European beech (purple)	27					3 - Fair	Retain
13	0	1024059083	Fagus sylvatica 'purpurea'	European beech (purple)	28					3 - Fair	Retain
14	0	1024059083	Pinus nigra	Austrian pine	20					4 - Poor	Retain
15	0	1024059083	Pinus nigra	Austrian pine	27					4 - Poor	Retain
16	0	1024059083	Pinus nigra	Austrian pine	15					4 - Poor	Retain
17	0	1024059083	Pinus nigra	Austrian pine	14					4 - Poor	Retain
18	0	1024059083	Pinus nigra	Austrian pine	10					4 - Poor	Retain
19	0	1024059083	Pinus nigra	Austrian pine	23					4 - Poor	Retain
20	0	1024059083	Pinus nigra	Austrian pine	17					4 - Poor	Retain
21	0	1024059083	Pinus nigra	Austrian pine	12					4 - Poor	Retain
22	0	1024059083	Pinus nigra	Austrian pine	18					4 - Poor	Retain
23	0	1024059083	Pinus nigra	Austrian pine	16					4 - Poor	Retain
24	0	1024059083	Pinus nigra	Austrian pine	12					4 - Poor	Retain
25	0	1024059083	Pinus nigra	Austrian pine	13					4 - Poor	Retain
26	0	1024059083	Pinus nigra	Austrian pine	14					4 - Poor	Retain
27	0	1024059083	Pinus nigra	Austrian pine	18					4 - Poor	Retain
28	0	1024059083	Pinus nigra	Austrian pine	19					4 - Poor	Retain
29	0	1024059083	Betula pendula	European white birch	11					4 - Poor	Retain
30	0	1024059083	Pinus nigra	Austrian pine	20.7					4 - Poor	Retain
31	0	1024059083	Betula pendula	European white birch	9.5					4 - Poor	Retain
32	0	1024059083	Betula pendula	European white birch	10					4 - Poor	Retain
33	0	1024059083	Pinus nigra	Austrian pine	24					4 - Poor	Retain
34	0	1024059083	Pinus nigra	Austrian pine	22					4 - Poor	Retain
35	0	1024059083	Pinus nigra	Austrian pine	14					4 - Poor	Retain
36	0	1024059083	Pinus nigra	Austrian pine	20.5					4 - Poor	Retain

37	0	1024059083	Pinus nigra	Austrian pine	17					4 - Poor	Retain
38	219	2124059001	Acer platanoides	Norway maple	12					3 - Fair	Remove
39	1769	672100160	Pinus sylvestris	Scots pine	19.1					3 - Fair	Retain
40	1770	672100160	Robinia pseudoacacia	Black locust	12.5					3 - Fair	Retain
41	3776	1024059130	Alnus rubra	Red alder	9.7					3 - Fair	Retain
42	3777	1024059130	Alnus rubra	Red alder	9.7	8.2				3 - Fair	Retain
43	3778	1024059130	Alnus rubra	Red alder	9	8.2				3 - Fair	Retain
44	3779	1024059130	Alnus rubra	Red alder	10	8	8	6	6	3 - Fair	Retain
45	3772	1024059130	Salix scouleriana	Scouler's willow	15.5					3 - Fair	Retain
46	3775	1024059130	Alnus rubra	Red alder	10.5					3 - Fair	Retain
47	3774	1024059130	Alnus rubra	Red alder	9					3 - Fair	Retain
48	3771	1024059130	Acer macrophyllum	Bigleaf maple	31					3 - Fair	Retain
49	3772	1024059130	Salix scouleriana	Scouler's willow	15.5					3 - Fair	Retain
50	3914	1024059130	Alnus rubra	Red alder	9					2 - Good	Retain
51	218	2124059001	Acer platanoides	Norway maple	9.5					3 - Fair	Remove
52	242	1024059130	Populus balsamifera	Black cottonwood	20.3	0				3 - Fair	Retain
53	246	1024059130	Populus balsamifera	Black cottonwood	22	0				3 - Fair	Retain
54	3807	1024059130	Alnus rubra	Red alder	12	8				3 - Fair	Remove
55	3770	1024059130	Acer macrophyllum	Bigleaf maple	40	15	15			3 - Fair	Retain
56	3805	1024059130	Salix lasiandra	Pacific willow	18					4 - Poor	Remove
57	3803	1024059130	Alnus rubra	Red alder	8.4	8.2				4 - Poor	Remove
58	3804	1024059130	Salix lasiandra	Pacific willow	13					3 - Fair	Remove
59	3808	1024059130	Acer macrophyllum	Bigleaf maple	23	14	8			3 - Fair	Remove
60	3809	1024059130	Acer macrophyllum	Bigleaf maple	13.5	13.5				3 - Fair	Remove
61	3812	1024059130	Acer macrophyllum	Bigleaf maple	27					3 - Fair	Remove
62	3814	1024059130	Acer macrophyllum	Bigleaf maple	24	20	12.8	12		3 - Fair	Remove
63	3816	1024059130	Acer macrophyllum	Bigleaf maple	22	20	20	20	20	3 - Fair	Remove
64	3821	1024059130	Salix lasiandra	Pacific willow	9					4 - Poor	Retain
65	3810	1024059130	Acer macrophyllum	Bigleaf maple	15					3 - Fair	Remove
66	3813	1024059130	Acer macrophyllum	Bigleaf maple	17.3					3 - Fair	Remove
67	3811	1024059130	Acer macrophyllum	Bigleaf maple	21					3 - Fair	Remove
68	3817	1024059130	Thuja plicata	Western red cedar	24					3 - Fair	Remove
69	3818	1024059130	Thuja plicata	Western red cedar	32.4					3 - Fair	Remove
70	3826	1024059130	Thuja plicata	Western red cedar	8.7	5				3 - Fair	Remove
71	3819	1024059130	Thuja plicata	Western red cedar	9					3 - Fair	Remove
72	3826	1024059130	Malus domestica	Apple	11					3 - Fair	Remove
73	3747	1024059130	Alnus rubra	Red alder	11.7					3 - Fair	Retain

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And       A	74	3748	1024059130	Alnus rubra	Red alder	14.7					4 - Poor	Retain
no.       n	75	3757	1024059130			29.7					4 - Poor	Retain
1       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10 <th< td=""><td>76</td><td>3764</td><td>1024059130</td><td></td><td></td><td>16</td><td></td><td></td><td></td><td></td><td>4 - Poor</td><td>Retain</td></th<>	76	3764	1024059130			16					4 - Poor	Retain
1       100       10000000       Acti metodoplum       100       100       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       10000000       100000000       100000000       100000000       10000000000       100000000000       1000000000000000000000       1000000000000000000000000000000000000	77	3763	1024059130	Acer macrophyllum	Bigleaf maple	23					4 - Poor	Retain
1010%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10%10	78	3767	1024059130	Acer macrophyllum	Bigleaf maple	24					3 - Fair	Retain
no. $no.$ <th< td=""><td>79</td><td>3769</td><td>1024059130</td><td>Acer macrophyllum</td><td>Bigleaf maple</td><td>24</td><td>15</td><td>15</td><td></td><td></td><td>4 - Poor</td><td>Retain</td></th<>	79	3769	1024059130	Acer macrophyllum	Bigleaf maple	24	15	15			4 - Poor	Retain
11111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111 <th< td=""><td>80</td><td>3768</td><td>1024059130</td><td>Acer macrophyllum</td><td>Bigleaf maple</td><td>15</td><td></td><td></td><td></td><td></td><td>4 - Poor</td><td>Retain</td></th<>	80	3768	1024059130	Acer macrophyllum	Bigleaf maple	15					4 - Poor	Retain
1       1       1       1 $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$	81	3753	1024059130	Alnus rubra	Red alder	16	9	8			3 - Fair	Retain
130 $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ $120$ <th< td=""><td>82</td><td>3754</td><td>1024059130</td><td>Alnus rubra</td><td>Red alder</td><td>13</td><td>11</td><td>9</td><td></td><td></td><td>4 - Poor</td><td>Retain</td></th<>	82	3754	1024059130	Alnus rubra	Red alder	13	11	9			4 - Poor	Retain
A = A + A = A + A = A + A + A + A + A +	83	3755	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
All of all all all all all all all all all al	84	3756	1024059130	Alnus rubra	Red alder	20					4 - Poor	Retain
a3.14Autornation $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$ $1.14$	85	3752	1024059130	Alnus rubra	Red alder	10	5				4 - Poor	Retain
$1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $1^{10}$ $18$ $3^{20}$ $12269330$ Alls rubr       Rel aler $2$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $9^{2}$ $3^{23}$ $32269330$ Alls rubr       Rel aler $2^{2}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$ $4^{10}$	86	3751	1024059130	Alnus rubra	Red alder	10.6					3 - Fair	Retain
no. Norder interverse $no. Norder interverseno. Norder in$	87	3750	1024059130	Alnus rubra	Red alder	11.6					4 - Poor	Retain
a       3.43       1.44 as 1.0       1.4 as 1       1.4 as 1       1.4 rest       1.4 re	88	3749	1024059130	Alnus rubra	Red alder	8					4 - Poor	Retain
$12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$ $12^{12}$	89	3730	1024059130	Alnus rubra	Red alder	24					4 - Poor	Retain
1011/93102409110Alves tubraRelation16.54 - NoorRetain12378102409120Alves tubraRelation16.54 - PoorRetain1943745102409130Alves tubraRelation121210984 - PoorRetain1943745102409130Alves tubraRelation9 $\cdot \cdot $	90	3729	1024059130	Alnus rubra	Red alder	22					4 - Poor	Retain
373 $1024059130$ Alva rubr       Red aller $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$ $12.5$	91	3759	1024059130	Alnus rubra	Red alder	16.5					4 - Poor	Retain
35 $3746$ $124$ $12$ $12$ $12$ $10$ $5$ $6$ $4$ - Poor       Retain $94$ $3745$ $1024059150$ Alnus rubra       Red alder $9$ $3$ $3$ $6$ $4$ - Poor       Retain $95$ $3743$ $1024059150$ Alnus rubra       Red alder $9$ $3$ $10$ $4$ - Poor       Retain $97$ $3741$ $1020059150$ Alnus rubra       Red alder $20$ $9$ $4$ - Poor       Retain $98$ $3740$ $1020059130$ Alnus rubra       Red alder $20$ $9$ $11$ $3$ - fair       Retain $99$ $3738$ $1020059130$ Alnus rubra       Red alder $15$ $12$ $11$ $3$ - fair       Retain $100$ $373$ $102059130$ Alnus rubra       Red alder $9$ $14$ $6$ $4$ - Poor       Retain $101$ $373$ $102059130$ Alnus rubra       Red alder $9$ $4$ - Poor $3$ - fair       Retain $102$ $3731$ $102409$	92	3758	1024059130	Alnus rubra	Red alder	16.5					4 - Poor	Retain
$3^{4}$ $3^{4}$ $102409310$ Alva rubraRed alfer $3^{4}$ $10^{4}$ $3^{4}$ $10^{4}$ $4^{2}$ $Ret al9^{5}3^{7}4102409310Salis sitchenisSita willow10104^{-}Ret al9^{6}3^{7}4102409310Alva rubraRed alfer209-16^{-}Ret al9^{8}3^{7}0102409310Acer macrophylumBigleaf maple121211-16^{-}Ret al9^{9}3^{3}3102409310Acer macrophylumBigleaf maple181811-16^{-}Ret al100372102409310Acer macrophylumBigleaf maple181811-16^{-}Ret al100373102409310Anva rubraRed alfer9-16^{-}-16^{-}Ret al101373102409310Anva rubraRed alfer9-16^{-}-16^{-}-16^{-}-16^{-}102373102409310Anva rubraRed alfer10^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}-16^{-}<$	93	3746	1024059130	Alnus rubra	Red alder	12	12	10	9	8	4 - Poor	Retain
3 3 433 7431 204053101 101 01 01 01 4 - PorRetain9637421 204059130Salk sitchensisSitka willow10 $3 - FairRetain9737411 204059130Anus rubraRed alder2094 - PoorRetain9837401 204059130Acer macrophyllumBigleal maple1212113 - FairRetain9937381 204059130Acer macrophyllumBigleal maple1818113 - FairRetain10037371 204059130Acer macrophyllumBigleal maple91 - C - C - C - C - C - C - C - C - C - $	94	3745	1024059130	Alnus rubra	Red alder	9					3 - Fair	Retain
36 $3/42$ $1024059130$ Anus rubraRed alder $20$ $9$ $3$ $4$ · PoorRetain $97$ $3741$ $1024059130$ Acer macrophyllumBigleaf maple $12$ $12$ $11$ $3$ · FairRetain $98$ $3740$ $1024059130$ Acer macrophyllumBigleaf maple $12$ $12$ $11$ $3$ · FairRetain $99$ $373$ $1024059130$ Acer macrophyllumBigleaf maple $18$ $18$ $11$ $3$ · S $3$ · FairRetain $100$ $373$ $1024059130$ Anus rubraRed alder $9$ $1$ · S $3$ · FairRetain $101$ $373$ $1024059130$ Anus rubraRed alder $9$ $1$ · S $3$ · FairRetain $102$ $373$ $1024059130$ Anus rubraRed alder $9$ $1$ · S $3$ · FairRetain $102$ $373$ $1024059130$ Anus rubraRed alder $9$ $1$ · S $3$ · S $3$ · FairRetain $102$ $373$ $1024059130$ Anus rubraRed alder $11$ $-$ · S $3$ · FairRetain $103$ $373$ $1024059130$ Anus rubraRed alder $11$ $-$ · S $-$ · S $3$ · FairRetain $104$ $373$ $1024059130$ Anus rubraRed alder $11$ $-$ · S $-$ · S $-$ · S $-$ · S $104$ $373$ $1024059130$ Anus rubraRed alder $113$ $-$ · S $-$ · S $-$ · S $-$ · S <td>95</td> <td>3743</td> <td>1024059130</td> <td>Alnus rubra</td> <td>Red alder</td> <td>18</td> <td>10</td> <td>10</td> <td></td> <td></td> <td>4 - Poor</td> <td>Retain</td>	95	3743	1024059130	Alnus rubra	Red alder	18	10	10			4 - Poor	Retain
373741102405910Acer macrophyllumBigleaf maple1212114 - roorRetain9837401024059130Acer macrophyllumBigleaf maple1818113 - FairRetain10037371024059130Alnus rubraRed alder11.53 - FairRetain10137391024059130Alnus rubraRed alder93 - FairRetain10237311024059130Alnus rubraRed alder94 - PoorRetain10337351024059130Alnus rubraRed alder94 - PoorRetain10437341024059130Alnus rubraRed alder84 - PoorRetain10537351024059130Alnus rubraRed alder114 - PoorRetain10637321024059130Alnus rubraRed alder134 - PoorRetain1071617856420060Pseudotsuga menziesiiDouglas-fir11.34 - PoorRetain10838251024059130Crataegus monogynaCommon hawthorn94 - PoorRetain10838231024059130Crataegus monogynaCommon hawthorn94 - Poor3 - Fair10838231024059130Crataegus monogynaCommon hawthorn94 - Poor3 - Fair10838231024059130Crataegus monogynaCommon hawthorn94 - Poor3 - Fair1093823102	96	3742	1024059130	Salix sitchensis	Sitka willow	10					3 - Fair	Retain
33 $102403310$ Acer macrophyllumBigleaf maple $12$ $12$ $11$ $12$ $11$ $12$ $11$ $12$ $11$ $3$ FairRetain $9$ $3738$ $1024059130$ Alnus rubraRed alder $11.5$ $3$ FairRetain $100$ $3737$ $1024059130$ Alnus rubraRed alder $9$ $3$ FairRetain $101$ $3739$ $1024059130$ Alnus rubraRed alder $9$ $3$ FairRetain $102$ $3731$ $1024059130$ Alnus rubraRed alder $9$ $3$ FairRetain $103$ $3735$ $1024059130$ Alnus rubraRed alder $9$ $3$ FairA Poor $104$ $3734$ $1024059130$ Alnus rubraRed alder $11$ $3$ FairA Poor $105$ $3698$ $1024059130$ Alnus rubraRed alder $11$ $4$ FoorA Retain $105$ $3698$ $1024059130$ Alnus rubraRed alder $11$ $4$ FoorA Retain $105$ $3698$ $1024059130$ Alnus rubraRed alder $113$ $4$ FoorA Retain $106$ $3732$ $1024059130$ Alnus rubraRed alder $113$ $4$ Foor $4$ FoorRetain $106$ $3732$ $1024059130$ Prouve enarginata $1003$ $113$ $4$ Foor $3$ FairRemove $106$ $3823$ $1024059130$ Prouve enarginata $113$ $4$ Foor $4$ Foor $4$ Feronor $106$ $3823$ $102$	97	3741	1024059130	Alnus rubra	Red alder	20	9				4 - Poor	Retain
1931021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021021	98	3740	1024059130	Acer macrophyllum	Bigleaf maple	12	12	11			3 - Fair	Retain
100373102005310102005310Alnus rubraRed alder93 - FairRetain10137391020059130Alnus rubraRed alder93 - FairRetain10337351020059130Alnus rubraRed alder83 - FairRetain10437341024059130Alnus rubraRed alder113 - FairRetain10536981024059130Alnus rubraRed alder114 - PoorRetain10536981024059130Alnus rubraRed alder134 - PoorRetain10637321024059130Alnus rubraRed alder134 - PoorRetain1071617856420060Pseudotuga menziesiiDuglas-fir11.35510883 - FairRemove10838251024059130Crategus monogynaCommon hawthorn9554 - PoorRetain10938231024059130Prunus emarginataBitter cherry9.254 - PoorRetain	99	3738	1024059130	Acer macrophyllum	Bigleaf maple	18	18	11			3 - Fair	Retain
10137391024059130Acer macrophyllumBigleaf maple26144 - PoorRetain10237311024059130Alnus rubraRed alder83 - FairRetain10337351024059130Alnus rubraRed alder114 - PoorRetain10437341024059130Alnus rubraRed alder114 - PoorRetain10536981024059130Alnus rubraRed alder16.51510883 - FairRetain10637321024059130Alnus rubraRed alder134 - PoorRetainRetain10637321024059130Alnus rubraRed alder133 - FairRemove1071617856420060Pseudotsuga menziesiiDuglas-fir11.33 - FairRemove10838231024059130Crataegus monogynaCommon hawthorn93 - FairRemove10938231024059130Prunus emarginataBitter cherry9.24 - PoorRetain	100	3737	1024059130	Alnus rubra	Red alder	11.5					3 - Fair	Retain
1023731102403130102403130Alnus rubraRed alder83 - FairRetain10337351024059130Alnus rubraRed alder14 - PoorRetain10437341024059130Alnus rubraRed alder114 - PoorRetain10536981024059130Acer macrophyllumBigleaf maple16.51510883 - FairRetain10637321024059130Alnus rubraRed alder134 - PoorRetain107161785642060Pseudotsuga menziesiiDouglas-fir11.34 - PoorRetain10838251024059130Crataegus monogynaCommon hawthorn95 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	101	3739	1024059130	Alnus rubra	Red alder	9					3 - Fair	Retain
10337351024059130Alnus rubraRed alder114 - PoorRetain10437341024059130Alnus rubraRed alder114 - PoorRetain10536981024059130Acer macrophyllumBigleaf maple16.51510883 - FairRetain10637321024059130Alnus rubraRed alder134 - PoorRetain10637321024059130Pseudotsuga menziesiiDouglas-fir11.33 - FairRemove10838251024059130Crataegus monogynaCommon hawthorn93 - FairRemove10938231024059130Prunus emarginataBitter cherry9.24 - PoorRetain	102	3731	1024059130	Acer macrophyllum	Bigleaf maple	26	14				4 - Poor	Retain
10457341024059130Accer macrophyllumBigleaf maple161510883 - FairRetain10536981024059130Alnus rubraRed alder134 - PoorRetain10637321024059130Alnus rubraRed alder134 - PoorRetain1071617856420060Pseudotsuga menziesiiDouglas-fir11.33 - FairRemove10838251024059130Crategus monogynaCommon hawthorn93 - FairRemove10938231024059130Prunus emarginataBitler cherry9.254 - PoorRetain	103	3735	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
1055951024059130Alous rubraRed alder16.51510555AliaRetain10637321024059130Alous rubraRed alder134 - PoorRetain1071617856420060Pseudotsuga menziesiiDouglas-fir11.33 - FairRemove10838251024059130Crataegus monogynaCommon hawthorn93 - FairRemove10938231024059130Prunus emarginataBitter cherry9.24 - PoorRetain	104	3734	1024059130	Alnus rubra	Red alder	11					4 - Poor	Retain
1065721024051504 - Fool4 - FoolRemove1071617856420060Pseudotsuga menziesiiDouglas-fir11.33 - FairRemove10838251024059130Crataegus monogynaCommon hawthorn93 - FairRemove10938231024059130Prunus emarginataBitter cherry9.24 - PoorRetain	105	3698	1024059130	Acer macrophyllum	Bigleaf maple	16.5	15	10	8	8	3 - Fair	Retain
107     161     75542000     11.3     5 - rain     Remove       108     3825     1024059130     Crategus monogyna     Common hawthorn     9     3 - Fair     Remove       109     3823     1024059130     Prunus emarginata     Bitter cherry     9.2     4 - Poor     Retain	106	3732	1024059130	Alnus rubra	Red alder	13					4 - Poor	Retain
108     5225     1024059130     Prunus emarginata     Bitter cherry     9.2     4 - Poor     Retain	107	161	7856420060	Pseudotsuga menziesii	Douglas-fir	11.3					3 - Fair	Remove
	108	3825	1024059130	Crataegus monogyna	Common hawthorn	9					3 - Fair	Remove
Acer macrophyllum Bieleaf maple	109	3823	1024059130	Prunus emarginata	Bitter cherry	9.2					4 - Poor	Retain
110 3827 1024059130 - 20.5 4 - Poor Remove	110	3827	1024059130	Acer macrophyllum	Bigleaf maple	20.5					4 - Poor	Remove

111	3828	1024059130	Acer macrophyllum	Bigleaf maple	18	16	14	12	12	3 - Fair	Remove
112	3834	1024059130	Acer macrophyllum	Bigleaf maple	20	15				4 - Poor	Remove
113	3833	1024059130	Acer macrophyllum	Bigleaf maple	24	10				3 - Fair	Remove
114	3832	1024059130	Acer macrophyllum	Bigleaf maple	22					4 - Poor	Remove
115	3831	1024059130	Acer macrophyllum	Bigleaf maple	24	9				4 - Poor	Remove
116	3830	1024059130	Acer macrophyllum	Bigleaf maple	15	13	12	12	10	4 - Poor	Remove
117	3829	1024059130	Acer macrophyllum	Bigleaf maple	17.5					3 - Fair	Remove
118	3719	1024059130	Alnus rubra	Red alder	13					3 - Fair	Retain
119	3720	1024059130	Alnus rubra	Red alder	13					3 - Fair	Retain
120	3721	1024059130	Alnus rubra	Red alder	10					4 - Poor	Retain
121	3722	1024059130	Alnus rubra	Red alder	11					3 - Fair	Retain
122	3723	1024059130	Alnus rubra	Red alder	11					3 - Fair	Retain
123	3724	1024059130	Alnus rubra	Red alder	20.7					4 - Poor	Retain
124	3725	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
125	3718	1024059130	Alnus rubra	Red alder	8					4 - Poor	Retain
126	3717	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
127	3700	1024059130	Alnus rubra	Red alder	13.3					4 - Poor	Retain
128	3728	1024059130	Alnus rubra	Red alder	11					3 - Fair	Retain
129	3726	1024059130	Alnus rubra	Red alder	9	7				3 - Fair	Retain
130	3727	1024059130	Alnus rubra	Red alder	8					3 - Fair	Retain
131	3699	1024059130	Alnus rubra	Red alder	16.7					3 - Fair	Retain
132	3697	1024059130	Alnus rubra	Red alder	14					4 - Poor	Retain
133	3696	1024059130	Alnus rubra	Red alder	15					4 - Poor	Retain
134	3695	1024059130	Alnus rubra	Red alder	11					3 - Fair	Retain
135	160	7856640010	Thuja plicata	Western red cedar	22					2 - Good	Remove
136	148	2206500400	Pinus sylvestris	Scots pine	11					4 - Poor	Remove
137	145	8135300020	Quercus sp.	Oak	10.8					3 - Fair	Remove
138	151	2206500400	Prunus domestica	Plum	13.5					4 - Poor	Remove
139	3835	1024059130	Acer macrophyllum	Bigleaf maple	30					4 - Poor	Remove
140	3836	1024059130	Acer macrophyllum	Bigleaf maple	24	16	15	15	12	3 - Fair	Remove
141	3837	1024059130	Acer macrophyllum	Bigleaf maple	36	36	24	10	10	3 - Fair	Remove
142	146	8135300020	Thuja plicata	Western red cedar	12					4 - Poor	Remove
143	147	2206500400	Pinus sylvestris	Scots pine	13.2					4 - Poor	Remove
144	133	8135300020	Pseudotsuga menziesii	Douglas-fir	12					3 - Fair	Remove
145	132	8135300020	Pseudotsuga menziesii	Douglas-fir	10.9					3 - Fair	Remove
146	3838	1024059130	Acer macrophyllum	Bigleaf maple	36	36				3 - Fair	Remove
147	3839	1024059130	Acer macrophyllum	Bigleaf maple	24	20				3 - Fair	Remove

130       3431       12448430       Abar abs       Ref abs       1       10       10       11 abs       12 bas       12 b	148	18	1024059123	Pseudotsuga menziesii	Douglas-fir	11.4				4 - Poor	Remove
10Note101111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111 <td>149</td> <td>131</td> <td>8135300020</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>12.9</td> <td></td> <td></td> <td></td> <td>3 - Fair</td> <td>Remove</td>	149	131	8135300020	Pseudotsuga menziesii	Douglas-fir	12.9				3 - Fair	Remove
11       11       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12 <th12< th="">       12       12       <th1< td=""><td>150</td><td>3853</td><td>1024059130</td><td>Alnus rubra</td><td>Red alder</td><td>9</td><td></td><td></td><td></td><td>3 - Fair</td><td>Remove</td></th1<></th12<>	150	3853	1024059130	Alnus rubra	Red alder	9				3 - Fair	Remove
130         140         14000000000000000000000000000000000000	151	3852	1024059130	Alnus rubra	Red alder	11	10			3 - Fair	Remove
11       35.00       1.00000000       Note their       1       3       1       1.00000000       1.00000000       1.00000000       1.00000000       1.00000000       1.00000000       1.000000000       1.000000000       1.000000000       1.000000000       1.000000000       1.000000000       1.000000000000000000000000000000000000	152	3851	1024059130	Alnus rubra	Red alder	9	8	7		3 - Fair	Remove
1111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111 <td>153</td> <td>3850</td> <td>1024059130</td> <td>Alnus rubra</td> <td>Red alder</td> <td>9</td> <td>8</td> <td></td> <td></td> <td>3 - Fair</td> <td>Remove</td>	153	3850	1024059130	Alnus rubra	Red alder	9	8			3 - Fair	Remove
$136$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $14^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ $11^{1}$ <	154	3849	1024059130	Alnus rubra	Red alder	12				3 - Fair	Remove
10101010101010101010101573451205930Alux rubrRel Aler121113. FairRenow1583451205930Alux rubrRel Aler1213. FairRenow1593421205930Alux rubrRel Aler14113. FairRenow1503441205930Alux rubrRel Aler1113. FairRenow1611912049532Paudotuga mentelDaugla fr1214. FoorRenow1632112049532Paudotuga mentelDaugla fr1414. FoorRenow164220209532Paudotuga mentelDaugla fr1414. FoorRenow1652312029532Paudotuga mentelDaugla fr1414. FoorRenow164220209532Paudotuga mentelDaugla fr1414. FoorRenow1652312029532Paudotuga mentelDaugla fr1414. FoorAlux rubr164240209532Paudotuga mentelDaugla fr1414. FoorRenow1652312029532Paudotuga mentelDaugla fr1414. FoorAlux rubr1642412049532Alux rubrRel Aler1210874. Foor17412049532Alux rubr	155	3847	1024059130	Alnus rubra	Red alder	14	14			3 - Fair	Remove
1.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11	156	3846	1024059130	Alnus rubra	Red alder	10.5				3 - Fair	Remove
1 b 1 b 1 b 1 b1 b 1 c1 b 1 c1 c<	157	3845	1024059130	Alnus rubra	Red alder	15	11	11		3 - Fair	Remove
14       14       14       14       14       14       14       14       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16 <t< td=""><td>158</td><td>3843</td><td>1024059130</td><td>Alnus rubra</td><td>Red alder</td><td>12</td><td></td><td></td><td></td><td>3 - Fair</td><td>Remove</td></t<>	158	3843	1024059130	Alnus rubra	Red alder	12				3 - Fair	Remove
1 No.1 No. <th< td=""><td>159</td><td>3842</td><td>1024059130</td><td>Alnus rubra</td><td>Red alder</td><td>14</td><td></td><td></td><td></td><td>3 - Fair</td><td>Remove</td></th<>	159	3842	1024059130	Alnus rubra	Red alder	14				3 - Fair	Remove
18113102005123Peudotsuga mentelalDouglas-fir1.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.41.4	160	3841	1024059130	Alnus rubra	Red alder	8				3 - Fair	Remove
1101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101101	161	19	1024059123	Pseudotsuga menziesii	Douglas-fir	14				4 - Poor	Remove
16811121212111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111 </td <td>162</td> <td>20</td> <td>1024059123</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>13.2</td> <td></td> <td></td> <td></td> <td>4 - Poor</td> <td>Remove</td>	162	20	1024059123	Pseudotsuga menziesii	Douglas-fir	13.2				4 - Poor	Remove
124 $122$ $1024059123$ Peudotsuga mentiesiiDougls-fir $14$ $14$ $4$ - PoorRemove $156$ $23$ $1024059123$ Peudotsuga mentiesiiDougls-fir $20.5$ $4$ - PoorRemove $166$ $37.6$ $1024059130$ Alnus rubraRed alder $12$ $10$ $8$ $3$ - FairRemove $166$ $37.5$ $1024059130$ Alnus rubraRed alder $12$ $12$ $12$ $3.7$ $3$ - FairRetain $160$ $37.5$ $1024059130$ Alnus rubraRed alder $16$ $212$ $12$ $12$ $3.7$ $3$ - FairRetain $170$ $37.4$ $1024059130$ Alnus rubraRed alder $9$ $8$ $8$ $7$ $3$ - FairRetain $171$ $37.10$ $1024059130$ Alnus rubraRed alder $9$ $8$ $8$ $7$ $3$ - FairRetain $172$ $37.10$ $1024059130$ Alnus rubraRed alder $9$ $8$ $8$ $7$ $3$ - FairRetain $173$ $37.10$ $1024059130$ Alnus rubraRed alder $9$ $8$ $8$ $7$ $3$ - FairRetain $174$ $37.11$ $1024059130$ Alnus rubraRed alder $9$ $8$ $8$ $7$ $3$ - FairRetain $175$ $3708$ $1024059130$ Alnus rubraRed alder $9$ $8$ $8$ $7$ $3$ - FairAlnus rubraRetain $175$ $3708$ $1024059130$ Alnus rubr	163	21	1024059123	Pseudotsuga menziesii	Douglas-fir	16.1				4 - Poor	Remove
1.63       2.5       1.24       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4       1.4 <t< td=""><td>164</td><td>22</td><td>1024059123</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>14.1</td><td></td><td></td><td></td><td>4 - Poor</td><td>Remove</td></t<>	164	22	1024059123	Pseudotsuga menziesii	Douglas-fir	14.1				4 - Poor	Remove
186 $74$ $102405133$ Allus rubraRed alder $12$ $10$ $8$ $12 + rubra$ $Re rubraRe rubra$	165	23	1024059123	Pseudotsuga menziesii	Douglas-fir	14				4 - Poor	Remove
10036401024059130Alnus rubraRed alder1210863 + raiRet alder16837161024059130Alnus rubraRed alder1212123 - FairRet alder10037141024059130Alnus rubraRed alder163 - FairRet alder17037141024059130Alnus rubraRed alder98873 - FairRet alder17137131024059130Alnus rubraRed alder98873 - FairRet alder17337101024059130Alnus rubraRed alder998873 - FairRet alder17437111024059130Alnus rubraRed alder99993 - FairRet alder17537081024059130Alnus rubraRed alder99993 - FairRet alder17537081024059130Alnus rubraRed alder99993 - FairRet alder17637041024059130Alnus rubraRed alder99993 - FairRet alder17637051024059130Alnus rubraRed alder109999999999999999999999999999999	166	24	1024059123	Pseudotsuga menziesii	Douglas-fir	20.5				4 - Poor	Remove
16837.161024059130Salix lasiandraPacific willow121212123 - FairRetain16937.151024059130Alnus rubraRed alder163 - FairRetain17037.141024059130Alnus rubraRed alder98873 - FairRetain17137.131024059130Alnus rubraRed alder98873 - FairRetain17237.121024059130Alnus rubraRed alder98873 - FairRetain17337.101024059130Alnus rubraRed alder998873 - FairRetain17437.111024059130Alnus rubraRed alder999998873 - FairRetain17537.081024059130Alnus rubraRed alder11 $ $	167	3840	1024059130	Alnus rubra	Red alder	12	10	8		3 - Fair	Remove
$19^{\circ}$ $3.15$ $1024059130$ Alnus rubraRed alder $12^{\circ}$ $12^{\circ}$ $12^{\circ}$ $12^{\circ}$ $3.7ai$ $3.7ai$ Ret alt $170$ $3714$ $1024059130$ Alnus rubraRed alder $9$ $8$ $8$ $7$ $3.7ai$ Ret alt $172$ $3712$ $1024059130$ Alnus rubraRed alder $9$ $8$ $8$ $7$ $3.7ai$ Ret alt $173$ $3710$ $1024059130$ Alnus rubraRed alder $9$ $2$ $2$ $3.7ai$ $3.7ai$ $Ret alt17337101024059130Alnus rubraRed alder9223.7aiRet alt17437111024059130Alnus rubraRed alder9223.7aiRet alt17537081024059130Alnus rubraRed alder9223.7ai4.7eorRet alt17637041024059130Alnus rubraRed alder9223.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai2.7ai$	168	3716	1024059130	Alnus rubra	Red alder	15				3 - Fair	Retain
170371411024059130Alnus rubraRed alder98873 - FairRetain17137131024059130Alnus rubraRed alder98873 - FairRetain17237121024059130Alnus rubraRed alder98873 - FairRetain17337101024059130Alnus rubraRed alder93 - FairRetain17437111024059130Alnus rubraRed alder93 - FairRetain17537081024059130Alnus rubraRed alder114 - PoorRetain17637041024059130Alnus rubraRed alder93 - FairRetain17737051024059130Alnus rubraRed alder93 - FairRetain17837061024059130Alnus rubraRed alder103 - FairRetain17837061024059130Alnus rubraRed alder124 - PoorRetain17937071024059130Alnus rubraRed al	169	3715	1024059130	Salix lasiandra	Pacific willow	12	12	12		3 - Fair	Retain
17137151024059130Alnus rubraRed alder96675 - PairRed alder17237121024059130Alnus rubraRed alder93 - FairRed alder983 - FairRed alderRed alder93 - FairRed alderRed alder93 - FairRed alderRed alder93 - FairRed alderRed alder11101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101010101	170	3714	1024059130	Alnus rubra	Red alder	16				3 - Fair	Retain
17237121024059130Alnus rubraRed alder94 - PoorRetain17337101024059130Alnus rubraRed alder93 - FairRetain17437111024059130Alnus rubraRed alder83 - FairRetain17537081024059130Alnus rubraRed alder93 - FairRetain17637041024059130Alnus rubraRed alder93 - FairRetain17737051024059130Alnus rubraRed alder93 - FairRetain17737051024059130Alnus rubraRed alder103 - FairRetain17837061024059130Alnus rubraRed alder124 - PoorRetain17937071024059130Alnus rubraRed alder123 - FairRetain	171	3713	1024059130	Alnus rubra	Red alder	9	8	8	7	3 - Fair	Retain
17337101024033100S - PairS - PairRetain17437111024059130Alnus rubraRed alder83 - FairRetain17537081024059130Alnus rubraRed alder114 - PoorRetain17637041024059130Alnus rubraRed alder93 - FairRetain17737051024059130Alnus rubraRed alder103 - FairRetain17837061024059130Alnus rubraRed alder103 - FairRetain17937071024059130Alnus rubraRed alder123 - FairRetain	172	3712	1024059130	Alnus rubra	Red alder	9				4 - Poor	Retain
174371102403130102403130S - FaitKedait17537081024059130Alnus rubraRed alder114 - PoorRetain17637041024059130Alnus rubraRed alder93 - FairRetain17737051024059130Alnus rubraRed alder103 - FairRetain17837061024059130Alnus rubraRed alder124 - PoorRetain17937071024059130Alnus rubraRed alder123 - FairRetain	173	3710	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
17337081024059130Alnus rubraRed alder93 - FairRetain17637041024059130Alnus rubraRed alder93 - FairRetain17737051024059130Alnus rubraRed alder103 - FairRetain17837061024059130Alnus rubraRed alder12.44 - PoorRetain17937071024059130Alnus rubraRed alder123 - FairRetain	174	3711	1024059130	Alnus rubra	Red alder	8				3 - Fair	Retain
17637041024059130Alnus rubraRed alder103 - FairRetain17737051024059130Alnus rubraRed alder103 - FairRetain17837061024059130Alnus rubraRed alder12.44 - PoorRetain17937071024059130Alnus rubraRed alder123 - FairRetain	175	3708	1024059130	Alnus rubra	Red alder	11				4 - Poor	Retain
17737051024059130Alnus rubraRed alder12.45 - FairRetain17837061024059130Alnus rubraRed alder12.44 - PoorRetain17937071024059130Alnus rubraRed alder123 - FairRetain	176	3704	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
178     3706     1024059130     Alnus rubra     Red alder     12.4     4 - Poor     Retain       179     3707     1024059130     Alnus rubra     Red alder     12     3 - Fair     Retain	177	3705	1024059130	Alnus rubra	Red alder	10				3 - Fair	Retain
1/9 3/0/ 1024039130 12 3-Fdii Ketain	178	3706	1024059130	Alnus rubra	Red alder	12.4				4 - Poor	Retain
Alnus rubra Red alder a	179	3707	1024059130	Alnus rubra	Red alder	12				3 - Fair	Retain
180 3709 1024059130 8 4 - Poor Ketain	180	3709	1024059130	Alnus rubra	Red alder	8				4 - Poor	Retain
181         3703         1024059130         Alnus rubra         Red alder         15         3 - Fair         Retain	181	3703	1024059130	Alnus rubra	Red alder	15				3 - Fair	Retain
182         3702         1024059130         Alnus rubra         Red alder         3 - Fair         Retain	182	3702	1024059130	Alnus rubra	Red alder	13				3 - Fair	Retain
183         3701         1024059130         Alnus rubra         Red alder         8         4 - Poor         Retain	183	3701	1024059130	Alnus rubra	Red alder	8				4 - Poor	Retain
184         1954         324059066         Alnus rubra         Red alder         12.4         2 - Good         Retain	184	1954	324059066	Alnus rubra	Red alder	12.4				2 - Good	Retain

No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.     No.       No.     No.     No.     No.     No.     No.     No.     No.        No.     No. <th>185</th> <th>3694</th> <th>1024059130</th> <th>Alnus rubra</th> <th>Red alder</th> <th>18.3</th> <th>8.7</th> <th></th> <th></th> <th>3 - Fair</th> <th>Retain</th>	185	3694	1024059130	Alnus rubra	Red alder	18.3	8.7			3 - Fair	Retain
Int       11     11/2     10/2     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     10/2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1 <td>186</td> <td>3396</td> <td>1024059130</td> <td>Salix lasiandra</td> <td>Pacific willow</td> <td>12</td> <td></td> <td></td> <td></td> <td>3 - Fair</td> <td>Retain</td>	186	3396	1024059130	Salix lasiandra	Pacific willow	12				3 - Fair	Retain
initial	187	3395	1024059130	Salix lasiandra	Pacific willow	12	10	6		3 - Fair	Retain
int       int<	188	3393	1024059130	Alnus rubra	Red alder	10.8				3 - Fair	Retain
120 $127$ $127$ Max $127$ Max $127$ Max $127$ Max $127$ Max $121$ $124$ $1200010$ $41000000$ $81000000000000000000000000000000000000$	189	3398	1024059130	Alnus rubra	Red alder	10				3 - Fair	Retain
Alt       Advanced       Advanced       Regin regine $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$	190	3397	1024059130	Alnus rubra	Red alder	8				3 - Fair	Retain
Also         158       954       1200013       Also for       60 def $20$ $20$ $9$ $6$ $3-1a$ Response         150       957       1200013       Also for $6$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ $2$ <	191	3394	1024059130	Salix lasiandra	Pacific willow	8				3 - Fair	Retain
136 $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $100$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $1000$ $10000$ $10000$ $10000$ $10000$ $10000$ $10000$ $100000$ $100000$ $1000000$ $1000000000000000000000000000000000000$	192	3401	1024059130	Acer macrophyllum	Bigleaf maple	15.8				3 - Fair	Retain
136       136       136       13       3       0       3.141       (Ref)         135       336       1248930       Max data       Refailed       9       1       3.441       Refailed         136       336       1248933       Max data       Refailed       9       2       5       3.441       Refailed         137       336       1248933       Max data       Refailed       9       7       5       3.442       Refailed         138       1248933       Max data       Refailed       9       9       9       9       4.469       Refailed         139       330       1248933       Max data       Refailed       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9	193	3854	1024059130	Alnus rubra	Red alder	9				3 - Fair	Remove
1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	194	3392	1024059130	Alnus rubra	Red alder	10	10	9	6	3 - Fair	Retain
1 al	195	3391	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
1 bit       1 bit <t< td=""><td>196</td><td>3389</td><td>1024059130</td><td>Alnus rubra</td><td>Red alder</td><td>9</td><td></td><td></td><td></td><td>3 - Fair</td><td>Retain</td></t<>	196	3389	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
14       1440       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14	197	3384	1024059130	Alnus rubra	Red alder	10	9	7	5	3 - Fair	Retain
1       3       3       1       1       3       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	198	3383	1024059130	Acer macrophyllum	Bigleaf maple	10				3 - Fair	Retain
100 $31/4$ $1000000000000000000000000000000000000$	199	3380	1024059130	Alnus rubra	Red alder	9	9	7		4 - Poor	Retain
1317 $11244095130$ Albus rubra       Red alber $3$ $1$ -har       Red alber         203 $336$ $1124695130$ Albus rubra       Red alber $10$ $10$ $9$ $6$ $3$ -hair       Red and         204 $317$ $1024695130$ Albus rubra       Red alber $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ $1$ <	200	3378	1024059130	Alnus rubra	Red alder	11	9			3 - Fair	Retain
$13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ $13^{10}$ <td>201</td> <td>3377</td> <td>1024059130</td> <td>Alnus rubra</td> <td>Red alder</td> <td>9</td> <td></td> <td></td> <td></td> <td>3 - Fair</td> <td>Retain</td>	201	3377	1024059130	Alnus rubra	Red alder	9				3 - Fair	Retain
$103$ $336$ $102405130$ Alves rubr       Red alfer $8$ $10$ $10$ $9$ $6$ $3 \cdot fair$ Retain $266$ $3375$ $1024059130$ Salk kalsdrda       Pelfe willow $2$ $3 \cdot fair$ Retain $266$ $3373$ $1024059130$ Alves rubra       Red alfer $3$ $3$ $-1 \cdot fair$ Retain $206$ $3373$ $1024059130$ Alves rubra       Red alfer $3$ $-1 \cdot fair$ Retain $207$ $338$ $1024059130$ Alves rubra       Red alfer $9$ $-1 \cdot fair$ Retain $208$ $337$ $1024059130$ Alves rubra       Red alfer $9$ $-1 \cdot fair$ Retain $210$ $338$ $1024059130$ Alves rubra       Red alfer $9$ $-1 \cdot fair$ $-1 \cdot fair$ Retain $211$ $3400$ $1024059130$ Alves rubra       Red alfer $12$ $8$ $5$ $5$ $3 \cdot fair$ Retain $212$ $385$ $1024059130$ Alves rubra       Red alfer $12$ $8$	202	3376	1024059130	Alnus rubra	Red alder	8				3 - Fair	Retain
120 $1374$ $124a934$ $124a94$ $124a9$ $124a4$ $124a4$ $206$ $374$ $124093130$ $Alus rubra$ $Rel aller333-FairRelation206373124093130Alus rubraRel aller333-FairRelation207386124093130Alus rubraRel aller953-FairRelation208379124093130Alus rubraRel aller953-FairRelation2083851024093130Alus rubraRel aller953-FairRelation2103851024093130Alus rubraRel aller953-FairRelation21134001024093130Alus rubraRel aller953-53-FairRelation2123851024093130Alus rubraRel aller8553-FairRelation2133851024093130Alus rubraRel aller128553-FairRenove21438571024093130Alus rubraRel aller128553-FairRenove21438571024093130Alus rubraRel aller128553-FairRenove215124093130Alus rubraRel aller128553-Fair$	203	3369	1024059130	Alnus rubra	Red alder	10	10	9	6	3 - Fair	Retain
12 $334$ $10249310$ $10249310$ $10249310$ $10249310$ $10249310$ $10249310$ $10249310$ $10249310$ $10249310$ $10249310$ $10249310$ $10249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ $101249310$ 101249310       101249310 <td>204</td> <td>3375</td> <td>1024059130</td> <td>Alnus rubra</td> <td>Red alder</td> <td>8</td> <td></td> <td></td> <td></td> <td>3 - Fair</td> <td>Retain</td>	204	3375	1024059130	Alnus rubra	Red alder	8				3 - Fair	Retain
1266 $3373$ $102409310$ $10409310$ $Retailer13131616Retailer2073384102409310Alvus rubraRetailer9.53.7airRetailer2083379102409310Alvus rubraRetailer9.53.7airRetailer2093385102409310Alvus rubraRetailer9.53.7airRetailer2103385102409310Alvus rubraRetailer9.54.9corRetailer2113400102409310Alvus rubraRetailer8.54.9corRetailer212385102409310Alvus rubraRetailer8.5553.7airRemove213385102409310Alvus rubraRetailer128553.7airRemove214387102409310Alvus rubraRetailer143.7airRemoveRemove214385102409310Alvus rubraRetailer143.7airRemove215388102409310Alvus rubraRetailer93.7airRemove21625102409310Alvus rubraRetailer93.7air3.7airRemove216380102409310Alvus rubraRetailer93.7air3.7airRemove216$	205	3374	1024059130	Salix lasiandra	Pacific willow	12				3 - Fair	Retain
$207$ $338$ $1024093130$ Alnus rubraRed alder $9.5$ $4 \cdot roor$	206	3373	1024059130	Alnus rubra	Red alder	13				3 - Fair	Retain
20833 f102405130Alnus rubraRed alder9.53. FairRecin209338102405130Alnus rubraRed alder9.53. FairRetain2103381024059130Alnus rubraRed alder9.53. FairRetain21134001024059130Alnus rubraRed alder8.54. PoorRetain21238601024059130Alnus rubraRed alder8.53. FairAremove2133851024059130Alnus rubraRed alder128553. FairRemove2143871024059130Alnus rubraRed alder128553. FairRemove2143851024059130Alnus rubraRed alder128553. FairRemove2153861024059130Alnus rubraRed alder13.4553. FairRemove216251024059130Alnus rubraRed alder953. FairRemove2173891024059130Alnus rubraRed alder953. FairRemove21838601024059130Alnus rubraRed alder953. FairRemove2191101024059130Alnus rubraRed alder103. Fair4. PoorRetain2191101024059130Alnus rubraRed alder94. Poor4. PoorRetain219 <td>207</td> <td>3388</td> <td>1024059130</td> <td>Alnus rubra</td> <td>Red alder</td> <td>9.5</td> <td></td> <td></td> <td></td> <td>4 - Poor</td> <td>Retain</td>	207	3388	1024059130	Alnus rubra	Red alder	9.5				4 - Poor	Retain
2053.8610/24093130Alnus rubraRed aller9.53.1 artRet and2103.38510/24059130Alnus rubraRed aller9.53.1 fairRetain2113.40010/24059130Alnus rubraRed aller8.54.1 occRetain2123.85510/24059130Alnus rubraRed aller83.1 fairRemove2133.85510/24059130Alnus rubraRed aller128553.1 fairRemove2143.85710/24059130Alnus rubraRed aller143.1 fairRemoveRemove2153.85810/24059130Alcer macrophyllumBigleaf maple82.6 GoodRemove2162.510/24059130Alnus rubraRed aller93.1 fairRemove2173.85010/24059130Alnus rubraRed aller93.1 fairRemove2183.86010/24059130Alnus rubraRed aller93.1 fairRemove2193.85010/24059130Alnus rubraRed aller93.1 fairRemove2193.86010/24059130Alnus rubraRed aller93.1 fairRemove21911010/24059123Alnus rubraRed aller94.0 forAlnus21911010/24059123Alnus rubraRed aller94.0 for4.0 for21011010/24059123Alnus rubraRed aller9 <td>208</td> <td>3379</td> <td>1024059130</td> <td>Alnus rubra</td> <td>Red alder</td> <td>8</td> <td></td> <td></td> <td></td> <td>3 - Fair</td> <td>Retain</td>	208	3379	1024059130	Alnus rubra	Red alder	8				3 - Fair	Retain
2103531024059130Alnus rubraRed alder9.53.5 rainA red in21134001024059130Alnus rubraRed alder8.54.4 PoorRetain21238561024059130Alnus rubraRed alder8553.5 AirRemove21338571024059130Alnus rubraRed alder128553.5 AirRemove21438571024059130Alnus rubraRed alder143.5 AirRemove21538581024059130Alnus rubraRed alder13.42.6 GodRemove216251024059130Alnus rubraRed alder93.5 AirRemove21738591024059130Alnus rubraRed alder93.5 AirRemove21838601024059130Alnus rubraRed alder953.5 AirRemove2191111024059133Alnus rubraRed alder1054.4 PoorRetain2191111024059133Alnus rubraRed alder654.4 PoorRetain2191111024059133Alnus rubraRed alder654.4 PoorRetain2191111024059123Alnus rubraRed alder654.4 PoorRetain2101111024059123Alnus rubraRetain654.4 PoorRetain2101111024059123Alnus rubraR	209	3386	1024059130	Alnus rubra	Red alder	9.5				3 - Fair	Retain
2113400102435130Alnus rubraRed alder8.54 + rootRedain21238551024059130Alnus rubraRed alder83 - FairRemove21338551024059130Alnus rubraRed alder128553 - FairRemove21438571024059130Alnus rubraRed alder143 - FairRemove21538581024059130Acer macrophyllumBigleaf maple82 - GoodRemove216251024059130Alnus rubraRed alder93 - FairRemove21738591024059130Alnus rubraRed alder93 - FairRemove21838601024059130Alnus rubraRed alder103 - FairRemove2191111024059123Alnus rubraRed alder854 - PoorRetain2101101024059123Populus balsamiferaBlack cottonwood94 - PoorRetain2101101024059123Populus balsamiferaBlack cottonwood94 - PoorRetain2191101024059123Populus balsamiferaBlack cottonwood94 - PoorRetain2101101024059123Populus balsamiferaBlack cottonwood94 - PoorRetain2111024059123Populus balsamiferaBlack cottonwood94 - PoorRetain2121101024059123Populus balsamifera<	210	3385	1024059130	Alnus rubra	Red alder	9.5				3 - Fair	Retain
21238581024059130Alnus rubraRed alder128553. FairRemove21338571024059130Alnus rubraRed alder143. FairRemove21438571024059130Alnus rubraRed alder143. FairRemove21538581024059130Acer macrophyllumBigleaf maple82. GoodRemove216251024059130Acer macrophyllumBigleaf maple13.43. FairRemove21738591024059130Alnus rubraRed alder93. FairRemove21838601024059130Alnus rubraRed alder103. FairRemove2191111024059133Alnus rubraRed alder8.54. PoorRetain2191101024059123Alnus rubraRed alder8.54. PoorRetain2191101024059123Populus balsamiferaBlak cottonwood94. PoorRetain2101101024059123Populus balsamiferaBlak cottonwood94. PoorRetain	211	3400	1024059130	Alnus rubra	Red alder	8.5				4 - Poor	Retain
21338551024059130Alnus rubraRed alder145553 - FairRemove21438571024059130Alnus rubraBigleaf maple82 - GoodRemove21538581024059130Acer macrophyllumBigleaf maple82 - GoodRemove216251024059123Acer macrophyllumBigleaf maple13.43 - FairRemove21738591024059130Alnus rubraRed alder93 - FairRemove21838601024059130Alnus rubraRed alder103 - FairRemove2191111024059123Alnus rubraRed alder8.54 - PoorRetain2201001024059123Populus balsamiferaBlack cottonwood94 - PoorRetain	212	3856	1024059130	Alnus rubra	Red alder	8				3 - Fair	Remove
2143571024059130Acer macrophyllumBigleaf maple82. GoodRemove21538581024059130Acer macrophyllumBigleaf maple13.43. FairRemove216251024059130Alnus rubraRed alder93. FairRemove21838601024059130Alnus rubraRed alder103. FairRemove2191111024059123Alnus rubraRed alder8.54. PoorRetain2201101024059123Populus balsamiferaBlack cottonwood94. PoorRetain	213	3855	1024059130	Alnus rubra	Red alder	12	8	5	5	3 - Fair	Remove
21535531024059120Acer macrophyllumBigleaf maple13.43 - FairRemove216251024059130Alnus rubraRed alder93 - FairRemove21838601024059130Alnus rubraRed alder103 - FairRemove2191111024059123Alnus rubraRed alder8.54 - PoorRetain2201001024059123Populus balsamiferaBlack cottonwood94 - PoorRetain	214	3857	1024059130	Alnus rubra	Red alder	14				3 - Fair	Remove
21625102d059123102d059123102d059123102d059123Remove2173859102d059130Alnus rubraRed alder93 - FairRemove2183860102d059130Alnus rubraRed alder103 - FairRemove219111102d059123Alnus rubraRed alder8.54 - PoorRetain220100102d059123Populus balsamiferaBlack cottonwood94 - PoorRetain	215	3858	1024059130	Acer macrophyllum	Bigleaf maple	8				2 - Good	Remove
217355910240591301024059130Alnus rubraRed alder103 - FairRemove2191111024059123Alnus rubraRed alder8.54 - PoorRetain2201101024059123Populus balsamiferaBlack cottonwood94 - PoorRetain	216	25	1024059123	Acer macrophyllum	Bigleaf maple	13.4				3 - Fair	Remove
218     360     1024059130     1024059130     S - Pail     Refinite       219     111     1024059123     Alnus rubra     Red alder     8.5     4 - Poor     Retain       220     110     1024059123     Populus balsamifera     Black cottonwood     9     4 - Poor     Retain	217	3859	1024059130	Alnus rubra	Red alder	9				3 - Fair	Remove
219     111     1024059123     Populus balsamifera     Black cottonwood     9     4 - Poor     Retain       220     110     1024059123     Populus balsamifera     Black cottonwood     9     4 - Poor     Retain	218	3860	1024059130	Alnus rubra	Red alder	10				3 - Fair	Remove
220 110 102405125 5 4 ° r 001 retain	219	111	1024059123	Alnus rubra	Red alder	8.5				4 - Poor	Retain
221         15         1024059123         Acer rubrum         Red maple         13.7         2 - Good         Remove	220	110	1024059123	Populus balsamifera	Black cottonwood	9				4 - Poor	Retain
	221	115	1024059123	Acer rubrum	Red maple	13.7				2 - Good	Remove

222	116	2206500435	Acer palmatum	Japanese maple	8.5			2 - Good	Retain
223	117	2206500435	Prunus avium	Sweet cherry	9.1			3 - Fair	Remove
224	3861	1024059130	Alnus rubra	Red alder	10	8		3 - Fair	Remove
225	27	3425059010	×Hesperotropsis leylandii	Leyland cypress	8.3			2 - Good	Remove
226	3864	1024059130	Alnus rubra	Red alder	18			3 - Fair	Remove
227	3863	1024059130	Acer macrophyllum	Bigleaf maple	8			3 - Fair	Remove
228	3862	1024059130	Alnus rubra	Red alder	16.5	7		3 - Fair	Remove
229	3876	1024059130	Alnus rubra	Red alder	12.5			3 - Fair	Remove
230	3878	1024059130	Alnus rubra	Red alder	8			3 - Fair	Remove
231	3879	1024059130	Alnus rubra	Red alder	14			3 - Fair	Remove
232	3880	1024059130	Acer macrophyllum	Bigleaf maple	9.5	5.5		3 - Fair	Remove
233	3877	1024059130	Acer macrophyllum	Bigleaf maple	10			3 - Fair	Remove
234	3368	1024059130	Alnus rubra	Red alder	11	7		3 - Fair	Retain
235	3367	1024059130	Alnus rubra	Red alder	9	7		3 - Fair	Retain
236	3366	1024059130	Alnus rubra	Red alder	11			3 - Fair	Retain
237	3365	1024059130	Alnus rubra	Red alder	14.9			3 - Fair	Retain
238	3364	1024059130	Alnus rubra	Red alder	10			3 - Fair	Retain
239	3362	1024059130	Alnus rubra	Red alder	8			3 - Fair	Retain
240	3361	1024059130	Alnus rubra	Red alder	9	8	7	3 - Fair	Retain
241	3358	1024059130	Alnus rubra	Red alder	16.5			3 - Fair	Retain
242	3372	1024059130	Alnus rubra	Red alder	12	10	6	3 - Fair	Retain
243	3371	1024059130	Alnus rubra	Red alder	11.3			4 - Poor	Retain
244	3360	1024059130	Alnus rubra	Red alder	11.6			3 - Fair	Retain
245	3359	1024059130	Alnus rubra	Red alder	17.8			4 - Poor	Retain
246	3363	1024059130	Alnus rubra	Red alder	12.2			3 - Fair	Retain
247	124	1024059123	Acer rubrum	Red maple	15.5			2 - Good	Remove
248	29	3425059010	×Hesperotropsis leylandii	Leyland cypress	12.3			2 - Good	Remove
249	62	2225059272	Prunus cerasifera	Flowering plum	9.5			2 - Good	Retain
250	2590	1024059101	Arbutus menziesii	Pacific madrone	17.3			2 - Good	Remove
251	2591	1024059101	Arbutus menziesii	Pacific madrone	11.7			3 - Fair	Remove
252	2595	8135300020	Prunus serrulata	Japanese flowering cherry	8.3			4 - Poor	Remove
253	2596	8135300020	Quercus sp.	Oak	10.8			3 - Fair	Remove
254	2597	8135300020	Thuja plicata	Western red cedar	12			4 - Poor	Remove
255	2602	8135300020	Fraxinus sp.	Ash species	8			2 - Good	Remove
256	2601	8135300020	Pseudotsuga menziesii	Douglas-fir	12.9			3 - Fair	Remove
257	2600	8135300020	Pseudotsuga menziesii	Douglas-fir	10.9			3 - Fair	Remove
258	2599	8135300020	Pseudotsuga menziesii	Douglas-fir	12			3 - Fair	Remove

36         36.         16.00212         Mutocolumb         Later relations         4.1           36         345         Mutocolumb	259	2497	1024059123	Pinus sylvestris	Scots pine	13.1	3 - Fair	Remove
ni     4.00     1.10     1.10     1.00     1.000     Name       28     28.0     0.000/10     4.000     Name     1.000     Name       28     21.0     0.000/10     Name     1.000     Name     Name       28     21.0     0.000/10     Name     1.000     Name     Name       28     21.0     0.000/10     Name     1.000     Name     Name       28     1.000/10     Name     Name     1.000     Name     Name       28     1.000/10     Name     Name     1.000     Name     Name       28     1.000/10     Name     Name     1.000     Name     Name       29     1.000/11     Name     Name     1.000     Name     Name       29     1.000/11     Name     Name     1.000     Name     Name       29     1.10     Name     Name     1.000     Name     Name       29     1.11     Name     Name     Name     Name     Name       29     1.11     Name     Name     Name     Name     Name       29     1.11     Name     Name     Name     Name     Name       29     1.11     N	260	2494	1024059123	Thuja occidentalis	Eastern arborvitae	8.3	3 - Fair	Remove
Alt     Call     Call    <	261	2495	1024059123	Thuja plicata	Western red cedar	11.6	4 - Poor	Remove
No.No.No.No.No.No.No.No.No.No.No.No.No.2424410.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No.No. </td <td>262</td> <td>2532</td> <td>1024059123</td> <td>Acer rubrum</td> <td>Red maple</td> <td>13.7</td> <td>2 - Good</td> <td>Remove</td>	262	2532	1024059123	Acer rubrum	Red maple	13.7	2 - Good	Remove
abs       bbs       frag       <	263	2530	1024059123	Alnus rubra	Red alder	8.5	4 - Poor	Remove
abs     abs     abs     abs     abs     abs     abs       26     26.8     1000/001     An Aba Aba     Mata Aba     An Aba	264	2505	1024059123	Pinus sylvestris	Scots pine	9.5	3 - Fair	Remove
780 $100001/3$ $7000$ glafts       Vector loci of a l	265	2501	1024059123	Pinus sylvestris	Scots pine	9.2	4 - Poor	Remove
120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120       120	266	2535	1024059123	Acer rubrum	Red maple	15.5	2 - Good	Remove
14       24.0       1.4.00.0000       1.4.00.0000       1.4.00.0000       1.4.00.0000         129       123       1.2.00.001.0000       1.2.00.001.0000       1.2.0000.0000       1.4.0000       1.4.0000         121       1.2.0000.0000       1.2.0000.0000       1.2.0000.0000       1.4.0000       4.9.000       4.8.0000         121       1.2.0000.0000       1.2.0000.0000       1.4.0000       4.9.000       4.8.0000         121       1.2.0000.0000       1.2.0000.0000       1.4.0000       4.9.0000       4.8.0000         122       2.1.1       1.2.0000.0000       Macdotsup mercesi       Douglos fr       1.2.00000       4.9.0000       Hence         123       1.2.0000.0000       Macdotsup mercesi       Douglos fr       1.2.00000       4.9.0000       Hence         124       1.2.0000.0000       Macdotsup mercesi       Douglos fr       1.2.00000       4.9.0000       Hence         124       1.2.0000.0000       Macdotsup mercesi       Douglos fr       1.2.00000       4.9.0000       Hence         124       1.2.0000.0000       Macdotsup mercesi       Douglos fr       1.2.00000       4.9.0000       Hence         129       2.4.0       1.2.0000.0000       Macdotsup mercesi       Douglos fr	267	2507	1024059123	Thuja plicata	Western red cedar	8	4 - Poor	Remove
219       214       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       2144       21444       21444       2144	268	2506	1024059123	Pinus sylvestris	Scots pine	9.4	4 - Poor	Remove
210       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       214       2	269	2515	1024059123	Pseudotsuga menziesii	Douglas-fir	16.1	4 - Poor	Remove
211       214       1.1 a         212       251       10.04050123       Peadotsug messes       Dauglas fr       10       4.1 or       Remove         223       253       10.04050123       Peadotsug messes       Dauglas fr       12       12       4.1 or       Remove         274       254       0.20405123       Peadotsug messes       Dauglas fr       12       4.1 or       Remove         275       254       2.0600020       Albeg grafs       Graf fr       121       4.1 or       4.1 or       Remove         277       2516       10.04059123       Are merses       Dauglas fr       141       4.1 or       4.1 or       Remove         279       2516       10.04059123       Are merses       Dauglas fr       121       4.1 or       4.1 or       Remove         270       2516       10.04059123       Are merses       Dauglas fr       121       4.1 or       Remove       Remove         271       2516       10.04059123       Are merses       Dauglas fr       121       4.1 or       Remove       Remove       1.6 or       Remove       Remove <td>270</td> <td>2510</td> <td>1024059123</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>10</td> <td>3 - Fair</td> <td>Remove</td>	270	2510	1024059123	Pseudotsuga menziesii	Douglas-fir	10	3 - Fair	Remove
273       274       0.00000013       Parudotage merines       Douglas fr       1.0       4.1000       4.1000         274       2314       0.00000373       Parudotage merines       Douglas fr       1.12       4.1000       4.1000       Memore         274       2340       0.2000000       Arbuits merines       Douglas fr       1.12       4.1000       4.1000       Memore         274       2345       22060000       Arbuits merines       Douglas fr       1.12       4.1000       4.1000       Memore         277       2346       0.2000000       Arbuits merines       Douglas fr       1.12       4.1000       Memore         277       2350       102009173       Parudotage merines       Douglas fr       1.14       4.1000       Memore         278       2350       102009173       Parudotage merines       Douglas fr       1.14       1.4       Hemore         278       2351       122060000       Parudotage merines       Douglas fr       1.14       1.4       Hemore         289       2361       220600005       Memores       1.4       Hemore       1.6       Hemore         291       23600005       Parudotage merites       Douglas fr       1.14 <t< td=""><td>271</td><td>2512</td><td>1024059123</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>11.4</td><td>4 - Poor</td><td>Remove</td></t<>	271	2512	1024059123	Pseudotsuga menziesii	Douglas-fir	11.4	4 - Poor	Remove
124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       1	272	2511	1024059123	Pseudotsuga menziesii	Douglas-fir	10	4 - Poor	Remove
12.14       12.14       12.14       12.14       12.14       12.10       12.10         12.75       23.46       22.0550020       Abbits gendls       Grind fr       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1       12.1 <td>273</td> <td>2513</td> <td>1024059123</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>14</td> <td>4 - Poor</td> <td>Remove</td>	273	2513	1024059123	Pseudotsuga menziesii	Douglas-fir	14	4 - Poor	Remove
2.732.3402.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxxx2.1dexxxxx2.1dexxxxx2.1dexxxxx2.1dexxxxx2.1dexxxxx2.1dexxxxx2.1dexxxxx2.1dexxxxx2.1dexxxxx2.1dexxxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1dexxx2.1de	274	2514	1024059123	Pseudotsuga menziesii	Douglas-fir	13.2	4 - Poor	Remove
12112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112112	275	2546	2206500020	Arbutus menziesii	Pacific madrone	18.7	2 - Good	Remove
27 $238$ $102005213$ Acr macrophylum       Bigler male $314$ $4$ Frod $4$ Enrore $278$ $250$ $102005213$ Acr macrophylum       Bigler male $34$ $3$ - fair       Remove $279$ $254$ $220550025$ Pseudotsuga mentiesi       Dougles-fr $2.6$ $4$ - Foor       Remove $281$ $254$ $220650025$ Pseudotsuga mentiesi       Dougles-fr $31.6$ $4$ - Foor       Remove $282$ $254$ $220650025$ Pseudotsuga mentiesi       Dougles-fr $31.6$ $4$ - Foor       Remove $282$ $254$ $220650025$ Acr macrophylum       Regleat male $10.5$ $3$ - fair       Remove $284$ $552$ $220650025$ Acr macrophylum       Regleat male $10.5$ $3$ - fair       Remove $285$ $258$ $220650025$ Malus domestica $Apple$ $22$ $3$ - fair       Remove $286$ $258$ $220650025$ Malus domestica $Apple$ $22$ $3$ - fair       Remove $287$ $2387$ $220650035$ R	276	2545	2206500020	Abies grandis	Grand fir	12.1	4 - Poor	Remove
12.8       12.8       12.8       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4       12.4	277	2516	1024059123	Pseudotsuga menziesii	Douglas-fir	14.1	4 - Poor	Remove
273       234       22080020       120       63       1100       1100       1100         280       2541       220650025       Peudotsyg menziesi       Douglas-fir       20.6       26.000       Retain         281       2543       220650025       Peudotsyg menziesi       Douglas-fir       31.8       2.0000       Remove         283       2538       220650025       Acer macrophyllum       Bigleaf maple       10.5       3.5 fair       Remove         284       2542       220650020       Malus domestica       Apple       12.0       3.5 fair       Remove         285       258       220650020       Malus domestica       Apple       12.0       3.5 fair       Remove         286       2574       220650025       Acer platanoides       Norway maple       18       2.6 Good       Remove         288       2574       220650035       Platanus ocidentalis       American sycamore       13       2.6 Good       Remove         289       2573       220650045       Platanus ocidentalis       American sycamore       13       2.6 Good       Remove         290       2575       220650045       Platanus ocidentalis       American sycamore       21       2.6 Good	278	2520	1024059123	Acer macrophyllum	Bigleaf maple	13.4	3 - Fair	Remove
28028421801001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240012400124001240001240001240001240001240001240001240001240001240001240001240001240001240001240001240001240001240001240000000124000000000000000000000000000000000000	279	2544	2206500020	Pinus nigra	Austrian pine	8.5	4 - Poor	Remove
2812943200000001000000001100000000011000000000011000000000001100000000000000001100000000000000000000000000000000000	280	2541	2206500025	Pseudotsuga menziesii	Douglas-fir	20.6	2 - Good	Retain
222234024000000000000000000000000000000000000	281	2543	2206500020	Thuja plicata	Western red cedar	13	4 - Poor	Remove
283238200500023Pseudotsuga menziesiiDouglas-fir1.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.31.0.3<	282	2540	2206500025	Pseudotsuga menziesii	Douglas-fir	31.8	2 - Good	Remove
2842442462462462462424624246242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424242424 <t< td=""><td>283</td><td>2538</td><td>2206500025</td><td>Acer macrophyllum</td><td>Bigleaf maple</td><td>10.5</td><td>3 - Fair</td><td>Remove</td></t<>	283	2538	2206500025	Acer macrophyllum	Bigleaf maple	10.5	3 - Fair	Remove
28325482200500220Prunus domesticaPlum1.2S realS realRemove28625582206500255Acer platanoidesNorway maple182. GoodRemove28825742206500435Platanus occidentalisAmerican sycamore182. GoodRemove28925732206500435Magnolia stellataStar magnolia12.43. FairRemove29025752206500435Platanus occidentalisAmerican sycamore132. GoodRemove29125762206500435Platanus occidentalisAmerican sycamore132. GoodRemove29125762206500435Platanus occidentalisAmerican sycamore132. GoodRemove29225772206500435Platanus occidentalisAmerican sycamore2.12. GoodRemove29325782206500435Pinus aviumSweet cherry9.13. FairRemove29425792206500435Prunus domesticaPlum123. FairRemove2952206500435Prunus domesticaPlum123. FairRemove29325782206500435Prunus domesticaPlum123. FairRemove29425792206500435Prunus domesticaPlum123. FairRemove2952206500435Prunus domesticaPlum123. FairRemove2952206500435Prunus domesticaPlum <td>284</td> <td>2542</td> <td>2206500020</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>12.3</td> <td>4 - Poor</td> <td>Remove</td>	284	2542	2206500020	Pseudotsuga menziesii	Douglas-fir	12.3	4 - Poor	Remove
28625582206500255Acer platanoidesNorway maple182 GoodRemove28725872206500435Platanus occidentalisAmerican sycamore182 GoodRemove28925732206500435Platanus occidentalisAmerican sycamore183 FairRemove29025752206500435Platanus occidentalisAmerican sycamore133 FairRemove29125762206500435Platanus occidentalisAmerican sycamore2.12 GoodRemove29225772206500435Platanus occidentalisAmerican sycamore2.12 GoodRemove29225772206500435Platanus occidentalisAmerican sycamore2.12 GoodRemove29325782206500435Prunus aviumSweet cherry9.13 FairRemove29425792206500435Prunus domesticaPlum124 PoorRemove	285	2548	2206500220	Malus domestica	Apple	12	3 - Fair	Retain
25725872206500435Platnus occidentalisAmerican sycamore182 - 600dRemove28825732206500435Magnolia stellataStar magnolia12.43 - FairRemove29025752206500435Platnus occidentalisAmerican sycamore132 - GoodRemove29125762206500435Platnus occidentalisAmerican sycamore22.12 - GoodRemove29125762206500435Platnus occidentalisAmerican sycamore22.12 - GoodRemove29225772206500435Platnus occidentalisAmerican sycamore22.12 - GoodRemove29325782206500435Prunus aviumJapanese maple8.52 - GoodRemove29425792206500435Prunus domesticaPlum124 - PoorRemove	286	2558	2206500230	Prunus domestica	Plum	14.6	3 - Fair	Remove
2825/4220500435Magnolia stellata182 - GoodRemove28925732205500435Magnolia stellataStar magnolia12.43 - FairRemove29025752205500435Platanus occidentalisAmerican sycamore132 - GoodRemove29125762206500435Platanus occidentalisAmerican sycamore22.12 - GoodRemove29225772206500435Platanus occidentalisAmerican sycamore22.12 - GoodRemove29325782206500435Prunus aviumJapanese maple8.52 - GoodRetain29325782206500435Prunus aviumSweet cherry9.13 - FairRemove29425792206500435Prunus domesticaPlum124 - PoorRemove	287	2587	2206500255		Norway maple	18	2 - Good	Remove
2892373220500435Platanus occidentalisAmerican sycamore132 - GoodRemove29125762206500435Platanus occidentalisAmerican sycamore2.12 - GoodRemove29225772206500435Acer palmatumJapanese maple8.52 - GoodRetain29325782206500435Prunus aviumSweet cherry9.13 - FairRemove29425792206500435Prunus domesticaPlum124 - PoorRemove	288	2574	2206500435			18	2 - Good	Remove
29023732206300435Platnus occidentalis152 - GoodRemove29125762206500435Platnus occidentalisAmerican sycamore22.12 - GoodRemove29225772206500435Acer palmatumJapanese maple8.52 - GoodRetain29325782206500435Prunus aviumSweet cherry9.13 - FairRemove29425792206500435Prunus domesticaPlum124 - PoorRemove	289	2573	2206500435			12.4	3 - Fair	Remove
2312362362400043324000433Reinve29225772206500435Acer palmatumJapanese maple8.52.600dRetain29325782206500435Prunus aviumSweet cherry9.13.FairRemove29425792206500435Prunus domesticaPlum124.PoorRemove	290	2575	2206500435			13	2 - Good	Remove
292     2577     2206500435     Prunus avium     Sweet cherry     9.1     3 - Fair     Remove       293     2578     2206500435     Prunus domestica     Plum     12     4 - Poor     Remove	291	2576	2206500435			22.1	2 - Good	Remove
253     2576     220500455     Prunus domestica     Plum     12     4 - Poor     Remove	292	2577	2206500435			8.5	2 - Good	Retain
	293	2578	2206500435			9.1	3 - Fair	Remove
295     2603     2206500425     Prunus avium     Sweet cherry     15.6     3 - Fair     Remove	294	2579	2206500435			12	4 - Poor	Remove
	295	2603	2206500425	Prunus avium	Sweet cherry	15.6	3 - Fair	Remove

1920020000070000 1000000Fond MarkIsocology112.1 decolference70700070000000700000007000000007000000007000000000000700000000000000007000000000000000000000000000000000000	296	2586	2206500435	Prunus domestica	Plum	8.2	3 - Fair	Retain
NA         NA         Link         Link         Maxim           12         201         20200000         Pente Marin         Sections         1.1-20         Record           13         2.14         2.000000         Maximum Perture         100         1.1-20         Record           13         2.19         2.000000         Maximum Perture         100         1.1-20         Record           13         2.19         2.000000         Maximum Perture         100         1.1-20         Record           14         2.20         2.000000         Maximum Perture         10.00         1.1-20         Record           14         2.20         12.000000         Maximum Perture         10.00         1.1-20         Record           16         2.11         .4000000         Maximum Peru<	297	2610	2206500420	Prunus avium	Sweet cherry	8.3	2 - Good	Remove
20.1     All     1.142     1.142     1.142     1.142     1.142       21     2.141     2.142     2.142     1.142     1.142     1.142       21     2.14     2.140     2.142     1.142     1.142     1.142       21     2.17     2.252     2.152     7.162     1.142     1.142     1.142       21     2.27     2.152     2.154     1.142     1.142     1.142       22     2.152     2.154     2.154     1.142     1.142     1.142       23     2.27     2.1542     1.142     1.142     1.142     1.142       24     1.142     1.142     1.142     1.142     1.142     1.142       25     2.154     1.142     1.142     1.142     1.142     1.142       25     2.154     1.142     1.142     1.142     1.142     1.142       25     2.154     1.142     1.142     1.142     1.142     1.142       25     2.154     1.142     1.142     1.142     1.142     1.142       25     2.154     1.144     1.142     1.142     1.142     1.142       25     2.154     1.144     1.144     1.144     1.144     1.144 <td>298</td> <td>2608</td> <td>2206500425</td> <td>Prunus avium</td> <td>Sweet cherry</td> <td>9.1</td> <td>3 - Fair</td> <td>Remove</td>	298	2608	2206500425	Prunus avium	Sweet cherry	9.1	3 - Fair	Remove
10.       14.0       14.0       14.0       14.0       14.00         11.       12.0       20.000000       Non-maximplum       Refer finable       10.3       1.1.97       Reform         10.1       20.7       20.00000       Non-maximplum       Refer finable       10.3       1.1.97       Reform         10.1 $Arrow       Monter finable       10.3       2.1.000000       Refer finable       2.1.000000       Refer finable         10.1       Arrow       Monter finable       1.1.0       Arrow       Refer finable       2.1.000000       Refer finable         10.1       Arrow       Monter finable       1.1.0       Refer finable       2.1.000000       Refer finable       2.1.0000000       Refer finable       2.1.0000000       Refer finable       2.1.0000000       Refer finable       2.1.00000000       Refer finable       2.1.00000000       Refer finable       2.1.00000000000000000000000000000000000$	299	2611	2206500420	Prunus avium	Sweet cherry	28	3 - Fair	Remove
Alt     Alt     Alt work     Alt work     Alt work     Alt work       12     127     220001     None andrate     Agas on the set of andrate     Alt and work       130     283     1000003     Marrakee     Sta     3.64     3.64       130     283     1000003     Marrakee     Marrakee     1.1     3.64     3.64       140     3.7     1000003     Marrakee     Boo continued     9.7     1.1       140     3.81     2000003     Marrakee     Boo continued     9.7     1.1       140     3.81     200003     Marrakee     9.64     1.6     1.6       150     3.64     200003     Marrakee     9.7     1.1     1.6       150     3.64     1.5     1.6     1.6     1.6     1.6       150     3.64     1.5     1.6     1.6     1.6     1.6       150     3.64     1.5     1.5     1.5     1.6     1.6     1.6       151     3.67     1.5     1.5     1.5     1.5     1.5     1.6       152     3.67     1.5     1.5     1.5     1.5     1.5     1.5       152     3.67     1.5     1.5     1.5     1.5     <	300	2620	2206500390	Sequoia sempervirens	Redwood	38	4 - Poor	Remove
Jack     Abd     Jack     Jack     Jack     Jack     Jack     Jack       111     Abd     Link     Ann Aran     Ind mala     Ist     Jack	301	2538	2206500025	Acer macrophyllum	Bigleaf maple	10.5	3 - Fair	Remove
213       213       Antifying       113       113       113       11000       20000       Method         100       211       30.400721       Ronley Scientify       Hebrotheneed       9       -0.000       Henree         100       211       20.000700       Genore Scientify       Hebrotheneed       9       -0.000       Henree         100       20.11       20.000700       Genore Junctify       Alles       5       -0.000       Henree         100       20.01       10.400700       Genore Junctify       10.400       Alles       Henree         101       2000       10.400700       Genore Junctify       10.400       Henree       Henree         102       241       10.440000       Muscify Alles       Alles of Boole Represe       10.400       Henree       Henree         111       2451       10.440000       Muscify Alles       Boole Represe       12.400       Henree       Henree         112       2476       10.440000       Muscify Alles       12.400       Henree       Henree       12.400       Henree       Henree         112       2476       10.440000       Muscify Alles       Honree       12.400       Henree       Henree       H	302	2617	2206500415	Prunus serrulata	Japanese flowering cherry	10.4	3 - Fair	Retain
11.1       11.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1 <t< td=""><td>303</td><td>2535</td><td>1024059123</td><td>Acer rubrum</td><td>Red maple</td><td>15.5</td><td>2 - Good</td><td>Remove</td></t<>	303	2535	1024059123	Acer rubrum	Red maple	15.5	2 - Good	Remove
200       2000       Mater       3       0       1000       000000         505       8.50       2000000       Mater standard       Apple       a       2100       1.1 facted Merced         106       8.60       212402600       Mater standard       Masser standard       2100       3.7 $\mu$ Masser         108       2.60       1.3 $\mu$ Masser standard       Masser standard       3.7 $\mu$ Masser         100       2.67       1.3 $\mu$ Masser standard       Approx 5 reading       1.7 $\mu$ Masser         110       2.67       1.3 $\mu$ Masser standard       Masser       Approx 5 reading       1.7 $\mu$ Masser         121       2.67       1.3 $\mu$ Masser standard       Prox 5 reading       1.3 $\mu$ Masser         122       2.47       1.3 $\mu$ Masser standard       Prox 5 reading       1.3 $\mu$ Masser       Masser         123       2.64       1.3 $\mu$ Masser       Prox 5 reading       1.3 $\mu$ Masser       Masser         123       2.64       1.3 $\mu$ Masser       Prox 5 reading       1.3 $\mu$ Masser       Masser         134       2.64       1.3 $\mu$ Ma	304	2532	1024059123	Acer rubrum	Red maple	13.7	2 - Good	Remove
Alt         Color         Color         Proce         Fig         Proce         Fig         Proce         Fig           197         9.44         15.4000000000000000000000000000000000000	305	2531	1024059123	Populus balsamifera	Black cottonwood	9	4 - Poor	Remove
100 $1000000000000000000000000000000000000$	306	2618	2206500410	Malus domestica	Apple	8	1 - Excellent	Remove
100       1.54000000       1.54000000       1.54000000       1.54000000       1.6401       1.6401         101       26.78       1.52400000       Prox 59. C Peedbe       Prot tex, 2 resche       12.4       1.641       Remove         111       26.76       1.52400000       Prox 59. C Peedbe       Prot tex, 2 resche       12.4       3.741       Remove         112       26.76       1.52400000       Prox 59. C Peedbe       Prot tex, 2 resche       12.4       4.740       4.7407       Remove         113       26.76       1.52400000       Prox 59. C Peedbe       Prot tex, 2 resche       12.3       4.740       4.7407       Remove         114       26.81       1.52400000       Prox 59. C Peedbe       Prot tex, 2 resche       10.3       4.7407       Remove         115       26.01       1.52400000       Prox 59. C Peedbe       Prot tex, 2 resche       10.3       4.7407       Remove         116       26.01       1.52400000       Prox 59. C Peedbe       Prot tex, 2 resche       10.3       4.7407       Remove         116       26.01       1.52400000       Prox 59. C Peedbe       Prot tex, 2 resche       10.3       4.7407       Remove         117       26.40       1.52400000	307	2654	1524059005	Quercus palustris	Pin oak	15.3	2 - Good	Remove
abs       1 brack book book book book book book book bo	308	2662	1524059005	Prunus serrulata	Japanese flowering cherry	12	3 - Fair	Remove
11       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       11/2       <	309	2663	1524059005	Malus domestica	Apple	8.6	3 - Fair	Retain
11121312400000Price proderorsProderos pine144141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141141 <th< td=""><td>310</td><td>2679</td><td>1524059005</td><td>Pinus sp. &lt;2 needle&gt;</td><td>Pine tree, 2 needle</td><td>12.5</td><td>3 - Fair</td><td>Remove</td></th<>	310	2679	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	12.5	3 - Fair	Remove
13.1       2476       154000005       Phus 19- 2 needle>       16.4       17.00       16.70       16.700         131       27.6       1524000005       Phus 19- 2 needle>       16.6       1.6       1.6       1.6       1.6         131       2680       152400005       Phus 19- 2 needle>       16.6       1.6       1.6       1.6       1.6         131       2680       152400005       Phus 19- 2 needle>       16.1       1.2       3.7       8.6       1.6       8.6000         1316       2682       152400005       Phus 19- 2 needle>       10.5       4.7007       8.6000         1316       266       152400005       Phus 19- 2 needle>       11.8       1.6       4.7007       8.6000         1319       2685       152400005       Phus 19- 2 needle>       11.8       3.6       4.7007       8.6000         1310       2685       152400005       Phus 19- 2 needle>       10.5       4.7007       8.6000         1310       2685       152400003       Phus 19- 2 needle>       10.8       4.7007       8.6000         1320       2707       152400003       Phus 19- 2 needle>       10.3       4.7007       8.6000         1321       27	311	2675	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	12.6	3 - Fair	Remove
1.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11.11	312	2676	1524059005	Pinus ponderosa	Ponderosa pine	16.4	4 - Poor	Remove
1 11 2k031 2k030001 1 k03 1 km3 1 km1 methode1352880152405000Phot sp. 2 needles1034 - PoorRemove1362820152405000Pseudotuga methelal0ogls-fr221 - 3alRemove1372864152405000Phot sp. 2 needlesPine tree, 2 needle10.54 - PoorRemove1382865152405000Phot sp. 2 needle10.63 - fairRemove1392865152405000Phot sp. 2 needle10.83 - fairRemove1302865152405000Phot sp. 2 needle10.83 - fairRemove131770152405001Phot sp. 2 needle10.84 - PoorRemove132770152405002Phot sp. 2 needle10.84 - PoorRemove132770152405002Phot sp. 2 needle10.84 - PoorRemove132770152405002Phot sp. 2 needle10.34 - PoorRemove132770152405002Phot sp. 2 needle10.34 - PoorRemove132770152405002Phot sp. 2 needle10.34 - PoorRemove133240152405002Phot sp. 2 needle10.34 - PoorRemove134770152405002Phot sp. 2 needle10.34 - PoorRemove13512405002Phot sp. 2 needle10.34 - PoorRemove13612405003Phot sp. 2 needl	313	2678	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	12.3	3 - Fair	Remove
11312001240500Pacedotuga mentesiaDouglas fr1.031.041.4 more131266152405005Pinus 5p. 2neediePin tree, 2 needie1033.4 hoorRemove131266152405005Abutus mentesiaPacific madrone1.83 fairRemove132268152405005Abutus mentesiaPacific madrone1.83 fairRemove139268152405002Pinus 5p. 2neediePine tree, 2 needie1.83 fairRemove1302709152405002Pisedotuga mentesiaDouglas fr1.54 PoorRemove1312700152405002Pisedotuga mentesiaDouglas fr0.34 PoorRemove1322701152405002Pisedotuga mentesiaDouglas fr0.34 PoorRemove1322702152405002Pisedotuga mentesiaDouglas fr0.34 PoorRemove1332707152405002Pisedotuga mentesiaDouglas fr0.34 PoorRemove1342708152405002Pisedotuga mentesiaDouglas fr0.34 PoorRemove1352709152405002Pisedotuga mentesiaDouglas fr0.31.64 PoorRemove1362708152405002Pisedotuga mentesiaDouglas fr0.31.64 PoorRemove1362709152405003Piuja pilctaVester red cdar0.30.31.6 hore1.6 hore<	314	2683	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	14.6	3 - Fair	Remove
318       2482       132400000       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241       1241	315	2680	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	10.3	4 - Poor	Remove
137284132409303Arbuits menical163163164Renove138286152409305Pinus sp. 2 needlesPine ree, 2 needle183 - FairRenove130285152409302Pisudosug menicalDogis-fr155- PeorRenove131210152409302Thuja plicataWestern red cedar10- PeorRenove132210152409302Thuja plicataWestern red cedar13- A - PoorRenove132210152409302Thuja plicataDogis-fr6.4- PoorRenove132210152409302Pisudosug menicaisDogis-fr6.4- PoorRenove132210152409302Pisudosug menicaisDogis-fr6.4- PoorRenove133206152409302Pisudosug menicaisDogis-fr6.4- PoorRenove134208152409302Pisudosug menicaisDogis-fr6.4- PoorRenove135268152409302Thuja plicataVestern red cedar10.8- A - PoorRenove136269152409300Thuja plicataWestern red cedar10.3- A - PoorRenove137269152409302Pinu cecasiferaFiowering plum11.8- A - PoorRenove138270152409302Pinu cecasifera16.5- A - Poor- A - Poor139296152409302Pinu cecasifera16.5- A - Poor <td>316</td> <td>2682</td> <td>1524059005</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>12</td> <td>3 - Fair</td> <td>Remove</td>	316	2682	1524059005	Pseudotsuga menziesii	Douglas-fir	12	3 - Fair	Remove
3182680152400300511.83 - FairRemove31926851524003005Pinus pp2 needle11.83 - FairRemove32027091524053032Pseudotsuga menitesiiDuglas-fir15.54 - PoorRemove32127101524053032Thuja plicataWeisen red cedar104 - PoorRemove32227111524059032Thuja plicataWeisen red cedar11.34 - PoorRemove32327071524059032Pseudotsuga meniesiiDuglas-fir0.34 - PoorRemove32427081524059032Pseudotsuga meniesiiDuglas-fir16.54 - PoorRemove32526981524059030Thuja plicataWeisern red cedar10.83 - FairRemove3262699152405900Thuja plicataWeisern red cedar10.33 - FairRemove3282700152405900Thuja plicataWeisern red cedar10.33 - FairRemove3292697152405900Thuja plicataWeisern red cedar16.53 - FairRemove3302716152405900Thuja plicataWeisern red cedar16.53 - FairRemove331266152405900Thuja plicataWeisern red cedar183 - FairRemove331266152405900Thuja plicataWeisern red cedar183 - FairRemove331266152405900Thuja plicataWeiser	317	2684	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	10.5	4 - Poor	Remove
319288152403003Pecudotaga menziesiDouglas-fir11.811.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.911.	318	2686	1524059005	Arbutus menziesii	Pacific madrone	11.8	3 - Fair	Remove
Sol2103152405902Thuja plicataWestern red cedar104 - PoorRemove32227111524059032Thuja plicataWestern red cedar11.34 - PoorRemove32327071524059032Pseudotsuga menziesiiDouglas-fir9.34 - PoorRemove32427081524059032Pseudotsuga menziesiiDouglas-fir9.34 - PoorRemove32626981524059032Pseudotsuga menziesiiDouglas-fir10.83 - FairRemove32626991524059030Thuja plicataWestern red cedar10.33 - FairRemove32827001524059030Thuja plicataWestern red cedar10.33 - FairRemove32926971524059030Thuja plicataWestern red cedar16.53 - FairRemove33027161524059030Thuja plicataWestern red cedar16.53 - FairRemove33126961524059030Thuja plicataWestern red cedar16.53 - FairRemove33126961524059030Thuja plicataWestern red cedar183 - FairRemove33226951524059030Thuja plicataWestern red cedar20203 - FairRemove33226951524059030Thuja plicataWestern red cedar203 - FairRemove33226951524059030Thuja plicataWestern red cedar203 - FairRemove	319	2685	1524059005	Pinus sp. <2 needle>	Pine tree, 2 needle	11.8	3 - Fair	Remove
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327269915240590801524059080Prunus cerasiferaFlowering plum11.83 - FairRetain32926971524059080Thuja plicataWestern red cedar16.53 - FairRemove33027161524059032Picea pungensColorado spruce9.53 - FairRemove33126961524059080Thuja plicataWestern red cedar183 - FairRemove33226951524059080Thuja plicataWestern red cedar203 - FairRemove	326	2698	1524059080	Thuja plicata	Western red cedar	10.8	3 - Fair	Remove
32827001524059080The factor of the factor o	327	2699	1524059080	Thuja plicata	Western red cedar	10.3	3 - Fair	Remove
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331     2690     1524059080     Thuja plicata     Western red cedar     20     3 - Fair     Remove	330	2716	1524059032			9.5	3 - Fair	Remove
552 2053 1324035060 20 5 * rail reliive	331	2696	1524059080			18	3 - Fair	Remove
333     2694     1524059080     *Hesperotropsis leylandii     Leyland cypress     11.5     3 - Fair     Remove	332	2695	1524059080			20	3 - Fair	Remove
	333	2694	1524059080	×Hesperotropsis leylandii	Leyland cypress	11.5	3 - Fair	Remove

Hot25615.0030Mean Academia (additionationationationationationationation	334	2688	1524059080	×Hesperotropsis leylandii	Leyland cypress	12	3 - Fair	Retain
Join         Join         Join         Join         Join           Join         Jointown         Jointown	335	2690	1524059080	×Hesperotropsis leylandii	Leyland cypress	9	3 - Fair	Retain
Int     Int     Int     Int     Int     Int     Int     Int       111     121     122     122     122     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     12     1	336	2722	1524059032	×Hesperotropsis leylandii	Leyland cypress	12	3 - Fair	Retain
Jos     Jos     Jos     Jos     Jos     Jos     Jos     Jos       18     250     1200050     Protycentric     Netwerg film     3.7     Alexen     Alexen       161     7.47     12000160     Protycentric     Netwerg film     1.7     Netwerg film     1.7     Alexen     Alexen       162     2.66     Rescender     1.3     Alexen     Alexen     Alexen       164     2.70     Rescender     1.3     Alexen     Alexen       164     2.70     Rescender     1.4     Alexen     Alexender       164     2.70     Rescender     1.4     Alexender     Alexender       164     2.70     Rescender     Netwerder     1.4     Alexender     Alexender       164     2.81     Rescender     Netwerder     1.4     Alexender       164     2.81     Rescender     1.4     Alexender       164     Rescender     1.	337	2723	1524059032	×Hesperotropsis leylandii	Leyland cypress	11.8	3 - Fair	Remove
120       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       124       1	338	2724	1524059032	×Hesperotropsis leylandii	Leyland cypress	11	3 - Fair	Remove
10.17.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.417.	339	2726	1524059032	Pinus sylvestris	Scots pine	11.2	4 - Poor	Remove
AriaLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLaborationLab	340	2743	1524059145	Prunus cerasifera	Flowering plum	9.3	3 - Fair	Retain
124 $124$ $124$ $124$ $124$ $124$ $124$ $124$ $124$ $124$ $124$ $126$ $1164$ $124$ $124$ $1264$ $1266$ $1266$ $1266$ $1266$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $12664$ $126644$ $126644$ <td>341</td> <td>2742</td> <td>1524059145</td> <td>Prunus cerasifera</td> <td>Flowering plum</td> <td>10.7</td> <td>3 - Fair</td> <td>Retain</td>	341	2742	1524059145	Prunus cerasifera	Flowering plum	10.7	3 - Fair	Retain
14.1.1.41.1.41.1.41.1.41.1.41.1.41.1.401.1.401.1.4014.14.71.58.0001.1.6001.2.0001.2.0001.1.6001.1.6001.1.60014.1.1.71.5.6.20001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60014.1.1.71.5.6.20001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60014.1.1.71.5.6.20001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60014.1.1.71.5.6.20001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60014.1.1.71.5.6.20001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60015.01.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60015.01.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60015.01.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60015.01.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60015.01.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60015.01.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.6001.1.60015.01.1.6001.1.6001.1.6001.1.6001.1.60	342	2746	7856640010	Thuja plicata	Western red cedar	17.3	2 - Good	Remove
1481 Allow1	343	2747	7856640010	Thuja plicata	Western red cedar	13.4	2 - Good	Remove
1.5.4       1.5.4       1.5.4       1.5.4       1.5.4         1.5.4       7.5.9       1.5.9       1.5.4       1.5.4       1.5.4         1.5.4       25.8       7.5540000       Populos balasmifes       15.4       3.7.4       3.7.6       3.7.6       3.7.6       3.7.6.6       3.7.6.7         1.5.4       25.8       7.5540000       Populos balasmifes       15.4       3.7.6       3.7.6.7       3.7.6.7         1.5.4       25.9       7.5540000       Populos balasmifes       0.6.6.7       1.2.3       3.7.6.7       3.7.6.7       8.8000         1.5.4       25.2       7.5540000       Postobusa mentes       0.6.6.7       3.7       3.7.6.7       8.8000         1.5.2       25.2       7.5540000       Postobusa mentes       0.6.6.7       3.7       4.8000       8.8000         1.5.3       25.4       7.5540000       Postobusa mentes       5.6.7       1.5.6       1.6.7       8.8000       1.6.8000       8.8000         1.5.4       7.5640000       Postobusa mentes       Postobusa mentes       1.6.7       1.6.7       8.8000       1.6.8000       8.8000       1.6.8000       8.8000       8.8000       8.8000       8.8000       8.8000       8.8000       8.8000 </td <td>344</td> <td>2748</td> <td>7856640010</td> <td>Thuja plicata</td> <td>Western red cedar</td> <td>16</td> <td>2 - Good</td> <td>Remove</td>	344	2748	7856640010	Thuja plicata	Western red cedar	16	2 - Good	Remove
14         1/14         1/14         1/14         1/14         1/14         1/14           147         2820         7654000         Popula bilanding         15         1         1         1         1         1           148         2810         75540000         Popula bilanding         0uglas fr         13         1         1         2         0.000         Remove           140         2821         75540000         Poulating memorie         0uglas fr         23         1         1.64         Remove           150         2821         75540000         Poulating memorie         0.000 fr         82         1.64         Remove           151         2821         75540000         Poulating memorie         0.000 fr         82         1.64         Remove           152         281         75540000         Mada memorie         0.000 fr         1.30         1.64         Remove           154         281         75540000         Mada memories         0.000 fr         1.30         4.600         Remove           154         282         75640000         Poulating memorie         0.000 fr         1.30         4.600         Remove           157         283	345	2749	7856640010	Picea pungens	Colorado spruce	8.4	3 - Fair	Remove
136 $1260$ $1260$ $1260$ $11$ $11$ $11$ $140$ $121$ $1260$ $1160$ $1160$ $1160$ $1160$ $120$ $223$ $1260000$ $1100000000000000000000000000000000000$	346	2817	7856420080	Populus balsamifera	Black cottonwood	13	3 - Fair	Remove
123 $1230$ $1230$ $1230$ $1230$ $1200$ $1000$ $126$ $1212$ $12500000$ Pendetsuga mericie $000000000000000000000000000000000000$	347	2820	7856420080	Populus balsamifera	Black cottonwood	15	3 - Fair	Remove
350 $251$ $7554000$ $110 g l c c c$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ $125$ </td <td>348</td> <td>2819</td> <td>7856420080</td> <td>Thuja plicata</td> <td>Western red cedar</td> <td>11</td> <td>2 - Good</td> <td>Remove</td>	348	2819	7856420080	Thuja plicata	Western red cedar	11	2 - Good	Remove
130       2.63       7.63       7.63       7.64       Minute         131       322       7.656.0000       Peladotuga mendesi       Douglas fr       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.7       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.6       9.	349	2821	7856420080	Pseudotsuga menziesii	Douglas-fir	12.3	3 - Fair	Remove
1312.627.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5847.5	350	2823	7856420080	Thuja plicata	Western red cedar	9.7	3 - Fair	Remove
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115     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117     117 <td>373</td> <td>2779</td> <td>7856640020</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>11.3</td> <td>3 - Fair</td> <td>Remove</td>	373	2779	7856640020	Pseudotsuga menziesii	Douglas-fir	11.3	3 - Fair	Remove
121     123     124     124000     12400     12400     12400       127     128     128     1260000     12600     12600     12600       127     128     1260000     1260000     126000     126000     126000       128     128     1260000     1260000     1260000     126000     126000       128     1260000     1260000     1260000     126000     126000     126000       128     1260000     1260000     1260000     1260000     1260000     1260000       128     1260000     1260000     1260000     1260000     1260000     1260000       128     1260000     1260000     1260000     1260000     1260000     1260000       128     1260000     1260000     1260000     1260000     1260000     126000       128     12600000     12600000     1260000     1260000     126000     126000       129     12600000     126000000     12600000     1260000     1260000     1260000       129     126000000     126000000000000000000000000000000000000	374	2780	7856640020	Pseudotsuga menziesii	Douglas-fir	11.2	3 - Fair	Remove
17       17.4       1.7.4       1.7.4       1.7.4       1.7.4       1.7.40         17       17.5       17.4       1.0.4000       1.0.400       1.0.400       1.0.400       1.0.000         17       17.6       17.6       17.66000       Nacktag medial       Stade 1       0.4       1.0.400       1.0.000         17       17.6       17.66000       Nacktag medial       Stade 1       0.4       1.0.000       1.0.000         17       17.6       0.0.6000       Nacktag medial       Stade 1       1.0       1.0.000       1.0.000         18       7.00       Nacktag medial       Stade 1       1.0       1.0.000       1.0.000       Nacktag medial       Nacktag medial </td <td>375</td> <td>2835</td> <td>7856420050</td> <td>Thuja plicata</td> <td>Western red cedar</td> <td>23.5</td> <td>2 - Good</td> <td>Remove</td>	375	2835	7856420050	Thuja plicata	Western red cedar	23.5	2 - Good	Remove
27.127.11. Parkove1. Parkov	376	2781	7856640020	Pseudotsuga menziesii	Douglas-fir	9.5	3 - Fair	Remove
11921811821811921811001100110011921870500000Pacotoga merceiaDaglar fr1214.5004.500Merceine12121970500000Pacotoga merceiaDaglar fr1194.5004.500Merceine12121970500000Pacotoga merceiaDaglar fr1194.7004.700Merceine12121970500000Pacotoga merceiaDaglar fr1424.7004.700Merceine12421470500000Pacotoga merceiaDaglar fr1424.7004.700Merceine124214705000000Pacotoga merceiaDaglar fr1304.700Merceine124214705000000Pacotoga merceiaDaglar fr1304.700Merceine124215705000000Pacotoga merceiaDaglar fr1304.700Merceine124215705000000Pacotoga merceiaDaglar fr1304.700Merceine125705000000Pacotoga merceiaDaglar fr1304.700Merceine12621775500000Pacotoga merceiaDaglar fr1314.700A.70012621875500000Pacotoga merceiaDaglar fr1304.700A.70012621875500000Pacotoga merceiaDaglar fr1314.700A.70012675500000Pacotoga merceiaDaglar fr1304.70	377	2782	7856640020	Pseudotsuga menziesii	Douglas-fir	9.9	4 - Poor	Remove
$3^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ $1^{12}$ <t< td=""><td>378</td><td>2783</td><td>7856640020</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>9.6</td><td>4 - Poor</td><td>Remove</td></t<>	378	2783	7856640020	Pseudotsuga menziesii	Douglas-fir	9.6	4 - Poor	Remove
abs $7.00$ $10.00000$ $10.00000$ $10.00000$ $10.00000$ $10.00000$ $10.00000$ $10.000000$ $10.000000$ $10.000000$ $10.0000000$ $10.00000000000000000000000000000000000$	379	2788	7856640020	Pseudotsuga menziesii	Douglas-fir	9.5	4 - Poor	Remove
11         1/14         1/14         1/14         1/14         1/14         1/14           121         170         754         1/14         1/14         1/14         1/14         1/14           121         170         75444000         Paulotoga monical         Dagis fr         1/1         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14         1/14	380	2786	7856640020	Pinus sylvestris	Scots pine	12.1	4 - Poor	Remove
11.2       11.2       11.2       11.2       11.2       11.2       11.2         136       7.72       7564000       Peadbougnementation       Douglas fri       16.7       16.7       16.70       Renice         138       275       75664000       Peadbougnementation       Douglas fri       13.5       14.900       4.9001       Renice         139       275       75664000       Peadbougnementation       Douglas fri       13.5       4.9001       4.9001       Renice         138       283       75664000       Peadbougnementation       Douglas fri       13.6       4.9001       4.9001       Renice         138       283       75664000       Peadbougnementation       Douglas fri       13.6       4.9001       4.9001       Renice         139       2781       75664000       Peadbougnementation       Douglas fri       13.6       4.9001       4.9001       Renice         130       2812       75664000       Peadbougnementation       Douglas fri       13.6       4.9001       4.9001       Renice         131       282       75664000       Peadbougnementation       Douglas fri       13.5       4.9001       4.9001       Renice         132       2820<	381	2789	7856640020	Pseudotsuga menziesii	Douglas-fir	17.9	4 - Poor	Remove
13.6       14.5       14.5       14.5       14.5       14.5       14.5         134       2340       75650000       Perioditage netroef       546       4.60       4.800       Remove         135       275       75560000       Perioditage netroef       50.9       13.3       4.800       Remove         136       277       75560000       Perioditage netroef       50.9       14.6       4.800       Remove         137       778       75560000       Perioditage netroef       50.9       12.6       4.800       Remove         138       279       75560000       Perioditage netroef       52.6       13.4       4.800       Remove         139       279       75560000       Perioditage netroef       52.6       15.7       4.800       Remove         130       280       75560000       Perioditage netroef       53.6       53.6       4.800       Remove         131       280       75560000       Perioditage netroef       53.6       53.6       4.800       Remove         132       280       75560000       Perioditage netroef       53.6       53.6       4.800       Remove         143       2816       75560400       P	382	2790	7856640020	Pseudotsuga menziesii	Douglas-fir	13.2	4 - Poor	Remove
14         20.4         1 / 1000         1 / 1000         1 / 1000         1 / 1000         1 / 1000           145         255         755640020         Pleudoluga meridesi         0 vages fr         13.3         4. Poor         Remove           157         7756         755640020         Pleudoluga meridesi         0 vages fr         11.4         4. Poor         Remove           158         2501         755640020         Pleudoluga meridesi         0 vages fr         11.4         4. Poor         Remove           159         2505         755640020         Pleudoluga meridesi         0 vages fr         12.6         4. Poor         Remove           169         2505         755640020         Pleudoluga meridesi         0 vages fr         13.6         4. Poor         Remove           181         262         765640020         Pleudoluga meridesi         0 vages fr         13.3         4. Poor         Remove           182         263         75564020         Pleudoluga meridesi         0 vages fr         13.3         4. Poor         Remove           183         264         7564020         Pleudoluga meridesi         0 vages fr         13.3         4. Poor         Remove           184         264         <	383	2792	7856640020		Douglas-fir	16.7	4 - Poor	Remove
130       130       130       130       1400       1400       1400       1400         136       297       2560020       Peddstag menedel       Doglas fr       135       4.Popr       4.Popr       Renove         138       200       255640020       Peddstag menedel       Doglas fr       126       4.Popr       Renove         138       200       255640020       Peddstag menedel       Doglas fr       126       4.Popr       Renove         139       200       755640020       Peddstag menedel       Doglas fr       15.9       4.Popr       Renove         139       202       755640020       Peddstag menedel       Doglas fr       15.3       4.Popr       Renove         131       202       755640020       Peddstag menedel       Doglas fr       15.3       4.Popr       Renove         131       202       75564020       Peddstag menedel       Doglas fr       15.3       4.Popr       Renove         131       203       75564020       Peddstag menedel       Doglas fr       15.3       4.Popr       Renove         132       203       75564030       Penacetage menedel       Boger fplm       16.0       4.Popr       Renove	384	2804	7856640020	Pseudotsuga menziesii	Douglas-fir	24.6	4 - Poor	Remove
137       137       133       147       147       147       161         137       279       78564000       Peudotuga menteli       Dogla-fr       124       4.000       Renove         138       203       78564000       Peudotuga menteli       Dogla-fr       126       4.000       Renove         139       208       78564000       Peudotuga mentelis       Dogla-fr       157       4.000       Renove         139       200       78564000       Peudotuga mentelis       Dogla-fr       15.7       4.000       Renove         139       280       78564000       Peudotuga mentelis       Dogla-fr       15.3       4.000       Renove         139       280       78564030       Peudotuga mentelis       Dogla-fr       15.3       4.000       Aenove       Renove         139       280       78564030       Arenorphilum       Bigla fragle       86       3.141       Renove       Renove         139       286       78564040       Funus crafera       Rowring plin       10.5       3.141       Renove         139       280       78564040       Punus crafera       Rowring plin       15       4.000       4.000       Renove	385	2795	7856640020	Pseudotsuga menziesii	Douglas-fir	10.3	4 - Poor	Remove
137       2.78       7.8564020       Peudotsup mentical       Doubs fr       1.14       4. Poor       4. Poor         138       2.03       7.85640200       Peudotsup mentical       Doubs fr       1.6       4. Poor       8emove         139       2.06       7.85640200       Peudotsup mentical       Douglas fr       1.6       4. Poor       8emove         131       2.02       7.85640200       Peudotsup mentical       Douglas fr       1.5       4. Poor       8emove         132       2.03       7.8564030       Peudotsup mentical       Douglas fr       1.5       4. Poor       8emove         133       2.86       7.8564030       Peudotsup mentical       Douglas fr       1.5       4. Poor       8emove         134       2.83       7.8564030       Peudotsup mentical       Douglas fr       1.5       6.6       3. Fair       8emove         135       2.86       7.8564030       Peuna cerastra       Baveria plan       1.5       8emove       3. Fair       8emove         136       2.87       7.8564030       Peuna cerastra       Baveria plan       1.5       8emove       3. Fair       8emove         137       2.87       7.85640430       Peuna cerastra       <	386	2797	7856640020	Pseudotsuga menziesii	Douglas-fir	13.5	4 - Poor	Remove
1.882.801.1281.1281.1401.161Methre1397.85840020Tuju platnMethre cedar1.364.900rRemove13028057.85640020Peudotuga menzieliDougias-fr1.534.900rRemove13228057.85640020Peudotuga menzieliDougias-fr1.534.900rRemove13328067.85640030Peudotuga menzieliDougias-fr1.534.900rRemove13428057.85640030AcemarophylumBjelar fupel8.63fairRemove13528167.85640130Fuus serulatinDougias-fr1.534.900r8.713528177.85640130Fuus serulatinBjelar fupel8.63fairRemove13628177.85640130Fuus serulatinBjelar fupel8.73fairRemove1377.85640130Fuus serulatinIparise flowering cherry192.000dHeriorRemove1382827.85640130Fuus serulatinIparise flowering cherry192.000dRemove1392867.85640130Fuus serulatinIparise flowering cherry1153fairRemove1392867.85640130Fuus serulatinIparise flowering cherry13.13fairRemove1392867.85640130Fuus serulatinIparise flowering cherry13.13fairRemove14002877.85640130Fuus serulatin <t< td=""><td>387</td><td>2796</td><td>7856640020</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>11.4</td><td>4 - Poor</td><td>Remove</td></t<>	387	2796	7856640020	Pseudotsuga menziesii	Douglas-fir	11.4	4 - Poor	Remove
AsisAssociationAssociationAssociationAssociationAssociationAssociation3902806785664000Peudotuga meniesiaDouglas-fir15.5A-PoorRemove3922805785664000Peudotuga meniesiaDouglas-fir15.3A-PoorRemove3932836785664000Peudotuga meniesiaDouglas-fir15.3A-PoorRemove3932836785664010NeurotensianaMourain hernlocka.3A-FairRemove3942881785664030Prunus censiferaPowering plum10.5A-FairRemove3952887785664030Prunus censiferaRowering plum10.5A-PoorRemove396288278560430Prunus censiferaRowering plum10.5A-PoorRemove397785664030Prunus censiferaRowering plum10.5A-PoorRemove398288785604030Prunus censiferaRowering plum11.5A-PoorRemove399289785604030Prunus censiferaRowering plum10.1A-PoorA-Rome4002872785604030Prunus censiferaRowering plum10.1A-FairRemove401288178500240Punus censiferaRowering plum10.1A-FairRemove40229178500240Punus censiferaRowering plum10.1A-FairRemove40328878500240Punus censifera <td< td=""><td>388</td><td>2803</td><td>7856640020</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>12.6</td><td>4 - Poor</td><td>Remove</td></td<>	388	2803	7856640020	Pseudotsuga menziesii	Douglas-fir	12.6	4 - Poor	Remove
1200 $12000$ $12000000000000000000000000000000000000$	389	2798	7856640020	Thuja plicata	Western red cedar	13.6	4 - Poor	Remove
33126278560020Pseudotsga mendesiDuglas fir1.5.34 - PoorRemove332280578564030Acer marcophyllumBiglaf maple6.03.7 FairRemove334286378564030Tuga metensianaMoutain hemlock8.33.7 FairRemove3352867785660430Tuga metensianaMoutain hemlock8.33.7 FairRemove3362862785660430Pruns cerasiferaPlowering plum10.53.7 FairRemove3372877785660430Pruns cerasiferaFlowering plum6.54.9 CorRemove3382868785660430Pruns cerasiferaFlowering plum1.53.6 FairRemove3392869785660430Pruns cerasiferaFlowering plum9.23.6 FairRemove3402872785660430Pruns cerasiferaFlowering plum10.13.6 FairRemove4402881785500240Funds cerasiferaFlowering plum10.13.6 FairRemove4402881785500240Funds cerasiferaFlowering plum10.13.6 FairRemove4402882785500240Funds cerasiferaFlowering plum10.13.6 FairRemove4402883785500240Calliropsity-finotskensis263.6 FairRemove4402887785500240Calliropsity-finotskensis13.33.6 FairRemove4404288778500240	390	2806	7856640030	Pseudotsuga menziesii	Douglas-fir	16.7	4 - Poor	Remove
3322836785800030Arr macrophylumBigler maple6.53.4. roodMenove3932836785804050Tuga metresianaMountain henicok8.33. FairRemove3952867785804030Prunus cerasiferaFlowering plum0.53. FairRemove3962822785604030Prunus cerasiferaFlowering plum6.52. GoodRetain3972877785604030Prunus cerasiferaFlowering plum6.53. FairRemove3982880785604030Prunus cerasiferaFlowering plum1.53. FairRemove398289785604030Prunus cerasiferaFlowering plum1.53. FairRemove4002872785604030Prunus cerasiferaFlowering plum10.13. FairRemove4012881785000200Liquidambar styracifluaAmerican sweetgrum1.4.13. FairRemove4022891785000200Celliropsis-pinockatenisAiska cedar1.3.33. FairRemove403288785000200Celliropsis-pinockatenisAiska cedar1.3.33. FairRemove404287785000200Celliropsis-pinockatenisAiska cedar1.3.33. FairRemove4052901785000200Celliropsis-pinockatenisAiska cedar1.3.43. FairRemove4052901785000200Celliropsis-pinockatenisAiska cedar1.3.43. Fair	391	2802	7856640020	Pseudotsuga menziesii	Douglas-fir	15.5	4 - Poor	Remove
3332.837.8392.0031.56.83.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.16.1 <td>392</td> <td>2805</td> <td>7856640030</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>15.3</td> <td>4 - Poor</td> <td>Remove</td>	392	2805	7856640030	Pseudotsuga menziesii	Douglas-fir	15.3	4 - Poor	Remove
33428378560404016.36.16.36.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.46.4 <t< td=""><td>393</td><td>2836</td><td>7856420050</td><td>Acer macrophyllum</td><td></td><td>8.6</td><td>3 - Fair</td><td>Remove</td></t<>	393	2836	7856420050	Acer macrophyllum		8.6	3 - Fair	Remove
3332607Fiscologiage10.33 - FairReindre3962822785000230Prunus serulataJapanese flowering cherry192 GoodRetain39728777856640430Prunus cerasiferaFlowering plum8.54 PoorRemove39826687856640430Prunus cerasiferaFlowering plum11.53 FairRemove39928697856640430Prunus cerasiferaFlowering plum9.23 FairRemove40028727856640430Prunus cerasiferaFlowering plum10.13 FairRemove4012881785500240Liquidambar styracifluaAmerican sweetgum14.13 FairRemove4022891785500240Callitropsis-prinottkatensisAska cedar13.33 FairRemove4042887785500240Callitropsis-prinottkatensisAska cedar13.43 FairRemove4052887785500240Chamecyparis obtusaHinki Fakecypres263 FairRemove4052887785500240Chamecyparis obtusaHinki Fakecypres263 FairRemove4052887785500240Celrus decdaraDecdar cedar9.43 FairRemove4052887785500240Celrus decdara10.12 GoodRetain4062887785500240Celrus decdara9.43 FairRemove4062887785500240 <t< td=""><td>394</td><td>2863</td><td>7856640430</td><td>Tsuga mertensiana</td><td></td><td>8.3</td><td>3 - Fair</td><td>Remove</td></t<>	394	2863	7856640430	Tsuga mertensiana		8.3	3 - Fair	Remove
396288278500/230Prior or asiferaFlowering plum8.52.4000Retain3972877785664030Prunus cerasiferaFlowering plum8.54. PoorRemove3982868785664030Prunus cerasiferaFlowering plum11.53. FairRemove3992869785664030Prunus cerasiferaFlowering plum9.23. FairRemove4002872785664030Prunus cerasiferaFlowering plum9.23. FairRemove4012881785500230Liquidambar styraciffuaAmerican sweetgum14.13. FairRemove4022891785500240Callitropsisr_dnottkatensisAlaska cedar13.33. FairRemove4032887785500240Cedrus deodaraDeodar cedar9.43. FairRemove4042897785500240Cedrus deodaraDeodar cedar9.43. FairRemove4052901785500240Chamaecyparis obtusaHinki Falsecypress14.12. GoodRetain4052901785500240Cedrus deodaraDeodar cedar9.43. FairRemove4052901785500240Chamaecyparis obtusaHinki Falsecypress14.12. GoodRetain4062887785500240Cedrus deodaraDeodar cedar9.43. FairRemove4062901785500240Chamaecyparis obtusa14.12. GoodRetain4062901 <td>395</td> <td>2867</td> <td>7856640430</td> <td>Prunus cerasifera</td> <td>Flowering plum</td> <td>10.5</td> <td>3 - Fair</td> <td>Remove</td>	395	2867	7856640430	Prunus cerasifera	Flowering plum	10.5	3 - Fair	Remove
3972877785640430Pruns cerasiferaFloweing plum1.54 - PoorRemove39828687856640430Pruns cerasiferaFloweing plum9.23 - FairRemove40028727856640430Pruns cerasiferaFloweing plum9.23 - FairRemove4012881785500230Liquidambar styracifluaAmerican sweetgum14.13 - FairRemove4022891785500240*Hesperotropsis leylandiiLeyland cypress263 - FairRemove4032888785500240Callitropsis_fanotkatensisAlaka cedar13.33 - FairRemove4042887785500240Cedrus deedara9.43.43 - FairRemove4052901785500240Chamaecyparis obtusaHinoki Falsecypress14.12GoodRetain4052901785500240Cedrus deedara9.43.42GoodRetain4052901785500240Chamaecyparis obtusaHinoki Falsecypress14.12GoodRetain4052901785500240Chamaecyparis obtusaHinoki Falsecypress14.12GoodRetain4052901785500240Chamaecyparis obtusaHinoki Falsecypress14.12GoodRetain4062885785500240Chamaecyparis obtusaHinoki Falsecypress14.12GoodRetain4062885785500240Chamaecyparis obtusaHinoki Falsecypress14.1	396	2882	7855000230			19	2 - Good	Retain
398268785644430Pruns cerasiferaFlowering plum9.23 - FairRemove3992869785664030Pruns cerasiferaFlowering plum9.23 - FairRemove4002872785664030Pruns cerasiferaFlowering plum10.13 - FairRemove4012881785500230Liquidambar styracifluaAmerican sweetgum14.13 - FairRemove4022891785500240*Hesperotropsis leylandiiLeyland cypress263 - FairRemove4032888785500240Callitropsis ránotkatensisAlaska cedar13.33 - FairRemove4042887785500240Cedrus deodaraDeodar cedar9.43 - FairRemove4052901785500240Chamaecyparis obtusaHinoki Falsecypress14.12. GoodRetain4062885785500240Ktesperotropsis leylandiiLeyland cypress262. GoodRetain	397	2877	7856640430			8.5	4 - Poor	Remove
3992669785664030Prunus cerasiferaFlowering plum10.13 - FairRemove4012872785600230Liquidambar styracifluaAmerican sweetgum14.13 - FairRemove4022891785500240×Hesperotropsis leylandiiLeyland cypress263 - FairRemove4032888785500240Callitropsis TánootkatensisAlaska cedar13.33 - FairRemove4042887785500240Cedrus deodaraDeodar cedar9.43 - FairRemove4052901785500240Chamaecyparis obtusaHinoki Falsecypress14.12 - GoodRemove4062885785500240×Hesperotropsis leylandiiLeyland cypress262 - GoodRemove4062885785500240Khamecyparis obtusaHinoki Falsecypress14.12 - GoodRemove4062885785500240×Hesperotropsis leylandiiLeyland cypress262 - GoodRemove4062885785500240×Hesperotropsis leylandiiLeyland cypress262 - GoodRemove	398	2868	7856640430			11.5	3 - Fair	Remove
400287278500443011.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.111.1 <t< td=""><td>399</td><td>2869</td><td>7856640430</td><td></td><td></td><td>9.2</td><td>3 - Fair</td><td>Remove</td></t<>	399	2869	7856640430			9.2	3 - Fair	Remove
4012817850025014.161.161.161.161.14022891785500240*Hesperotropsis leylandiiLeyland cypress263 - FairRemove4032888785500240Callitropsis_tánootkatensisAlaska cedar13.33 - FairRemove4042887785500240Cedrus deodaraDeodar cedar9.43 - FairRemove4052901785500240Chamaecyparis obtusaHinoki Falsecypress14.12 - GoodRetain4062885785500240*Hesperotropsis leylandiiLeyland cypress262 - GoodRemove	400	2872	7856640430			10.1	3 - Fair	Remove
402291785500240Cellitropsis_tánootkatensisAlaska cedar13.33 - FairRemove4042887785500240Cedrus deodaraDeodar cedar9.43 - FairRemove4052901785500240Chamaecyparis obtusaHinoki Falsecypress14.12 - GoodRetain4062885785500240×Hesperotropsis leylandiiLeyland cypress262 - GoodRemove	401	2881	7855000230			14.1	3 - Fair	Remove
403268785500240Cedrus deodaraDeodar cedar9.43 - FairRemove4042887785500240Chamaecyparis obtusaHinoki Falsecypress14.12. GoodRetain4062885785500240*Hesperotropsis leylandiiLeyland cypress262. GoodRemove	402	2891	7855000240			26	3 - Fair	Remove
4042887785500240648-44052901785500240Chamaecyparis obtusaHinoki Falsecypress 14.114.12 - GoodRetain4062885785500240×Hesperotropsis leylandiiLeyland cypress tergress262 - GoodRemove	403	2888	7855000240	-		13.3	3 - Fair	Remove
405     2501     765500240     ×Hesperotropsis leylandii     Leyland cypress     26     2 - Good     Remove	404	2887	7855000240			9.4	3 - Fair	Remove
400 2665 7655000240 2 GOOD Reinove	405	2901	7855000240			14.1	2 - Good	Retain
407 2886 785500240 *Hesperotropsis leylandii Leyland cypress 22.9 2 - Good Remove	406	2885	7855000240			26	2 - Good	Remove
	407	2886	7855000240	×Hesperotropsis leylandii	Leyland cypress	22.9	2 - Good	Remove

408	2928	1524059142	Crataegus monogyna	Common hawthorn	10.4		3 - Fair	Remove
409	2934	7855000270	Prunus armeniaca	Apricot	9	 	3 - Fair	Remove
410	2941	1524059142	Pinus nigra	Austrian pine	18.5		4 - Poor	Remove
411	2942	1524059142	Pinus nigra	Austrian pine	19		4 - Poor	Remove
412	2944	7855000290	Pinus nigra	Austrian pine	15.5		4 - Poor	Remove
413	2945	7855000290	Pseudotsuga menziesii	Douglas-fir	9.1		4 - Poor	Remove
414	2946	7855000290	Sequoiadendron giganteum	Giant sequoia	31.5		4 - Poor	Remove
415	2947	7855000290	Sequoiadendron giganteum	Giant sequoia	22.5		4 - Poor	Remove
416	2948	7855000290	Sequoiadendron giganteum	Giant sequoia	27		4 - Poor	Remove
417	2950	7855000290	Pinus sylvestris	Scots pine	11		4 - Poor	Remove
418	3163	7855800120	Malus domestica	Apple	9		4 - Poor	Remove
419	3183	7855800140	Prunus domestica	Plum	8.5		3 - Fair	Remove
420	3268	7856410120	Picea pungens	Colorado spruce	14.7		4 - Poor	Remove
421	3431	7855801670	Acer palmatum	Japanese maple	8.4		3 - Fair	Retain
422	3428	7855801670	Picea pungens	Colorado spruce	9.8		4 - Poor	Remove
423	3423	7855801670	Myrica californica	Pacific waxmyrtle	8.4		3 - Fair	Retain
424	3442	7855801680	Pinus nigra	Austrian pine	10.3		3 - Fair	Remove
425	3439	7855801680	Pinus contorta	Shore pine	8.6		3 - Fair	Remove
426	3444	7855801680	Pinus nigra	Austrian pine	12.2		3 - Fair	Remove
427	3504	7855801590	Pinus contorta	Shore pine	18.8		4 - Poor	Remove
428	3506	7855801590	Arbutus menziesii	Pacific madrone	9		2 - Good	Remove
429	3449	7855801700	Cornus florida	Flowering dogwood	9.4		3 - Fair	Remove
430	3526	7855801570	Pseudotsuga menziesii	Douglas-fir	9.5		3 - Fair	Remove
431	3543	7855801570	Pseudotsuga menziesii	Douglas-fir	8.5		3 - Fair	Remove
432	3538	7855801570	Pseudotsuga menziesii	Douglas-fir	19.2		3 - Fair	Remove
433	3546	7855801560	Picea pungens	Colorado spruce	13.4		4 - Poor	Remove
434	3547	7855801560	Picea pungens	Colorado spruce	9.5		4 - Poor	Remove
435	3548	7855801560	Picea pungens	Colorado spruce	10.5		4 - Poor	Remove
436	3472	7855801720	Chamaecyparis obtusa	Hinoki Falsecypress	11		3 - Fair	Retain
437	3470	7855801720	Chamaecyparis obtusa	Hinoki Falsecypress	9		3 - Fair	Remove
438	3549	7855801560	Picea pungens	Colorado spruce	9.4		4 - Poor	Remove
439	3550	7855801560	Picea pungens	Colorado spruce	12.5		4 - Poor	Remove
440	3477	7855801720	Prunus domestica	Plum	11		2 - Good	Remove
441	3552	7855801560	Picea pungens	Colorado spruce	13.3		4 - Poor	Remove
442	3564	7855801550	Liquidambar styraciflua	American sweetgum	11.2		3 - Fair	Remove
443	3563	7855801550	Picea pungens	Colorado spruce	16.4		4 - Poor	Remove
444	3561	7855801550	Picea pungens	Colorado spruce	10.5		4 - Poor	Remove

Abs         Abs <th>445</th> <th>3560</th> <th>7855801550</th> <th>Picea pungens</th> <th>Colorado spruce</th> <th>14.5</th> <th> 4 - Poor</th> <th>Remove</th>	445	3560	7855801550	Picea pungens	Colorado spruce	14.5	 4 - Poor	Remove
and       body         44       137       73430000       Adva e neuron       114       114       114       1147       Name         44       1374       73430000       Adva e neuron       124       144       1490       Adva         45       1344       73430000       Nondergeneres       122       144       1490       Remove         45       1344       734000000       Nondergeneres       122       144       1490       Remove         45       1364       7340000000       Nondergeneres       124       140       1490       Remove         45       1364       73400000000       Nondergeneres       124       124       1490       1490       Remove         45       1364       20000000       Nondergeneres       124       131       1490       1490       Remove         45       137       131       Nondergeneres       124       134       1490       Remove         45       138       20000000       Nondergeneres       1240       1490       Remove       1490       Remove <td>446</td> <td>3559</td> <td>7855801550</td> <td>Picea pungens</td> <td>Colorado spruce</td> <td>12.1</td> <td>4 - Poor</td> <td>Remove</td>	446	3559	7855801550	Picea pungens	Colorado spruce	12.1	4 - Poor	Remove
11.1     11.1     1.1.1     1.1.1     1.1.1       11.2     11.2     11.2     11.2     11.2     11.2     11.2       12.1     12.2     12.3     12.4     12.4     12.4     12.4     12.4       12.1     12.2     12.3     12.4     12.4     12.4     12.4     12.4       12.1     12.2     12.4     12.4     12.4     12.4     12.4     12.4       12.1     12.2     12.2     12.4     12.4     12.4     12.4     12.4       12.1     12.2     12.2     12.4     12.4     12.4     12.4     12.4       12.1     12.2     12.2     12.2     12.4     12.4     12.4     12.4       12.1     12.2     12.2     12.4     12.4     12.4     12.4       12.1     12.2     12.2     12.4     12.4     12.4     12.4       12.1     12.2     12.4     12.4     12.4     12.4     12.4       12.1     12.2     12.4     12.4     12.4     12.4     12.4       12.1     12.2     12.4     12.4     12.4     12.4     12.4       12.1     12.2     12.4     12.4     12.4     12.4     12.4   <	447	3493	7855801730	Malus domestica	Apple	9.7	3 - Fair	Retain
int     int     int     int     int       int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int     int       int     int     int     int     int <td>448</td> <td>3571</td> <td>7855801550</td> <td>Arbutus menziesii</td> <td>Pacific madrone</td> <td>11.6</td> <td>3 - Fair</td> <td>Remove</td>	448	3571	7855801550	Arbutus menziesii	Pacific madrone	11.6	3 - Fair	Remove
121       123       1742       1742       1743       1743       184         141       148       1555       144       144       4179       1868         143       148       3505       144       144       4199       1868         143       148       3505       146       146       4199       1868         144       148       3505       1466       1498       1468       1498       1498         145       149       3505       1466       1698       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498       1498 <td< td=""><td>449</td><td>3557</td><td>7855801550</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>18.6</td><td>4 - Poor</td><td>Remove</td></td<>	449	3557	7855801550	Pseudotsuga menziesii	Douglas-fir	18.6	4 - Poor	Remove
No.         121       122       42       722000000       No.       No.       A.Ron       Anno.         141       120       2000000       No.       No.       A.Ron       Anno.       Anno.         142       129       2000000       No.       No.       Anno.       Anno.       Anno.         144       120       2000000       No.       No.       No.       Anno.       Anno.         145       120       2000000       PostBalling meanset       No.       No.       Anno.       Anno.         146       120       2000000       PostBalling meanset       No.       No.       Anno.       Anno.         147       120       2000000       PostBalling meanset       No.       No.       Anno.       Anno.         148       120       2000000       PostBalling meanset       No.       No.       Anno.       Anno.         149       120       2000000       PostBalling meanset       10       Anno.       Anno.       Anno.         140       120       2000000       PostBalling meanset	450	3558	7855801550	Pseudotsuga menziesii	Douglas-fir	22.1	4 - Poor	Remove
All AllAll additionAll additionAll additionAll additionAll addition60600AdditionBedditionBedditionBedditionAll additionAll addition <td>451</td> <td>3498</td> <td>7855801740</td> <td>Prunus domestica</td> <td>Plum</td> <td>9</td> <td>4 - Poor</td> <td>Remove</td>	451	3498	7855801740	Prunus domestica	Plum	9	4 - Poor	Remove
11       12       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14       14 <t< td=""><td>452</td><td>3604</td><td>7855801540</td><td>Cedrus deodara</td><td>Deodar cedar</td><td>18.4</td><td>4 - Poor</td><td>Remove</td></t<>	452	3604	7855801540	Cedrus deodara	Deodar cedar	18.4	4 - Poor	Remove
Action       Action       Action       Action       Action       Action         Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action       Action	453	3600	2600010630	Pseudotsuga menziesii	Douglas-fir	23	4 - Poor	Remove
1.10       1.10       1.10       1.10       1.10       1.100       1.100         64       53       20000258       Prodobag monical       Dagle Ar       1       4.100       Annore         145       512       20000258       Prodobag monical       Dagle Ar       1       4.100       Annore         150       513       20000258       Prodobag monical       Dagle Ar       1       4.100       Annore         161       515       20000258       Prodobag monical       Annore       1       4.100       Annore         163       515       20000258       Prodobag monical       Annore       1       4.100       Annore         164       515       20000256       Prodobag monical       Annore       1       4.100       Annore         164       516       20000256       Prodobag monical       Prodobag monical       1       4.100       Annore         164       517       20000256       Prodobag monical       Prodobag monical       1       4.100       Annore         164       518       20000257       Prodobag monical       Antron pre       1       1       4.100       Annore         164       518       20000258	454	3599	2600010630	Pseudotsuga menziesii	Douglas-fir	13.5	4 - Poor	Remove
1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100         1.100 <th< td=""><td>455</td><td>3598</td><td>2600010630</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>16.8</td><td>4 - Poor</td><td>Remove</td></th<>	455	3598	2600010630	Pseudotsuga menziesii	Douglas-fir	16.8	4 - Poor	Remove
All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All All <b< td=""><td>456</td><td>3610</td><td>2600010580</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>10.6</td><td>4 - Poor</td><td>Remove</td></b<>	456	3610	2600010580	Pseudotsuga menziesii	Douglas-fir	10.6	4 - Poor	Remove
1 sol       1 sol       1 sol       1 sol       1 sol       1 sol         1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1 sol       1	457	3612	2600010580	Pseudotsuga menziesii	Douglas-fir	13	4 - Poor	Remove
1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1.1       1	458	3613	2600010580	Pinus nigra	Austrian pine	17	4 - Poor	Remove
No.         Active         Fraid	459	3614	2600010580	Pinus nigra	Austrian pine	11.7	4 - Poor	Remove
141       363       200001050       Phare right       Austriar pine       14       4. Poor       Remove         462       3615       200001050       Phare right       Austriar pine       10       4. Poor       Remove         464       3617       200001050       Phare right       Austriar pine       12       4. Poor       Remove         464       3617       2000010500       Phare right       Austriar pine       12       4. Poor       Remove         465       3626       226400280       Pinutus dömettica       Plum       9.4       3. Fair       Retain         466       3636       226400280       Pinutus förer fülta       Japanete flowering dierry       12.8       4. Poor       Retain         466       3639       226400280       Pinutus förer fülta       Japanete flowering dierry       13.6       3. Fair       Retain         467       3642       226400280       Pinutus förer fülta       Japanete flowering dierry       8.3       3. Fair       Retain         470       3642       226400280       Pinutus förer fülta       Japanete flowering dierry       8.3       3. Fair       Remove         471       3660       226400280       Austriar pine       3.2       3	460	3615	2600010580	Pinus nigra	Austrian pine	18	4 - Poor	Remove
ActActConcernenceAct virusAct vi	461	3618	2600010580	Pinus nigra	Austrian pine	14	4 - Poor	Remove
Action       Print sp.       Part the       A       Part the       A         446       3210       2268400280       Prunu dometica       Plum       9.4       3. Fair       Remove         465       3.05       2268400280       Prunu dometica       Plum       9.4       3. Fair       Retrin         466       3.05       2268400280       Prunu serrulata       Japanese flowering cherry       12.8       4.7       8.8       2.6 Good       Remove         468       3.39       2268400280       Prunu serrulata       Japanese flowering cherry       1.6       3.7       Remove         448       3.39       2268400280       Prunu serrulata       Japanese flowering cherry       8.3       3.7       Remove         449       3.442       2268400280       Prunu serrulata       Japanese flowering cherry       8.3       3.7       Remove         470       3.643       2268400280       Prunu serrulata       Japanese flowering cherry       8.3       3.7       Remove         471       3.650       2268400280       Prunu serrulata       Japanese flowering cherry       8.3       3.7       Remove         473       3.660       2268400280       Prunu serrulata       Japanese flowering cherry	462	3616	2600010580	Pinus nigra	Austrian pine	10	4 - Poor	Remove
AleSoldConcentrySoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSoldSold<	463	3617	2600010580	Pinus nigra	Austrian pine	19	4 - Poor	Remove
Acc $3cd$ $2268400290$ Pruns serulataJapanese flowering cherry $128$ $4 - Poor$ Retain $466$ $3626$ $2268400280$ Pruns serulataJapanese flowering cherry $128$ $4 - Poor$ Retain $468$ $3639$ $2268400280$ Acer rubrumRed maple $151$ $3 - Fair$ Remove $469$ $3642$ $2268400280$ Pruns serulataJapanese flowering cherry $8.3$ $3 - Fair$ Remove $470$ $3643$ $2268400280$ Pruns serulataJapanese flowering cherry $8.3$ $3 - Fair$ Remove $471$ $3650$ $2268400280$ Pruns serulataJapanese flowering cherry $8.3$ $3 - Fair$ Remove $472$ $3666$ $2268400280$ Pruns serulataPruns aple $9.3$ $4 - Poor$ Remove $473$ $3660$ $2268400280$ Quercus palustrisPin oak $8.3$ $3 - Fair$ Remove $474$ $3662$ $2268400280$ Retula pendulaEuropean white birch $9.2$ $3 - Fair$ Remove $474$ $3662$ $2268400280$ Retula pendulaEuropean white birch $9.2$ $3 - Fair$ Remove $475$ $441$ $195170130$ Pruns aviumSweet cherry $12$ $2 - 6ood$ Remove $476$ $443$ $195170130$ Pruns aviumSweet cherry $9.5$ $3 - Fair$ Remove $478$ $455$ $195170120$ Pruns aviumSweet cherry $9.5$ $3 - Fair$ Remove $478$ <td< td=""><td>464</td><td>3621</td><td>2600010670</td><td>Pyrus sp.</td><td>Pear tree</td><td>8</td><td>3 - Fair</td><td>Remove</td></td<>	464	3621	2600010670	Pyrus sp.	Pear tree	8	3 - Fair	Remove
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49       5%       1.5.000       Marke 2000 Mode       Mar	482	2492	1024059123	Thuja plicata	Western red cedar	11.3	 3 - Fair	Remove	
abs       abs<       abs       abs <th< td=""><td>483</td><td>8506</td><td>1524059080</td><td>×Hesperotropsis leylandii</td><td>Leyland cypress</td><td>8 7</td><td>2 - Good</td><td>Remove</td></th<>	483	8506	1524059080	×Hesperotropsis leylandii	Leyland cypress	8 7	2 - Good	Remove	
no.     no.     no.     no.       44     144     142     1.12     1.12     1.12       45     1.44     7.84     0.00000     0.00000     1.12     0.0000       46     2.81     0.00000     Post segments     0.0000     1.13     1.14     0.124       48     2.81     0.00000     Post segments     1.24     0.140     0.0000       49     2.81     0.00000     Post segments     1.24     0.140     0.0000       40     7.81     Post Segments     1.24     0.1400     0.0000       40     7.81     Post Segments     1.24     0.1400     0.0000       41     2.00     Post Segments     1.24     0.1400     0.0000       41     2.00     Post Segments     1.14     0.0000     0.00000       41     2.00     Post Segments     1.14     0.0000     0.00000       41     2.00     Post Segments     1.14     0.0000     0.00000       41     2.00     Post Segments     1.14     0.00000     0.00000       41     Post Segments     1.14     1.14     0.00000       41     Post Segments     1.14     1.14     0.000000       41     Post Segme	484	2840	7856420060	Abies sp.	Fir species	16.8	4 - Poor	Remove	
in         in<         in         in<         in         in<         in<         in         in         in         in<         in<         in<	485	2841	7856420060	Thuja plicata	Western red cedar	17.5	3 - Fair	Remove	
air       air       first       first <th fir<="" td=""><td>486</td><td>2842</td><td>7856420060</td><td>Malus domestica</td><td>Apple</td><td>11</td><td>3 - Fair</td><td>Remove</td></th>	<td>486</td> <td>2842</td> <td>7856420060</td> <td>Malus domestica</td> <td>Apple</td> <td>11</td> <td>3 - Fair</td> <td>Remove</td>	486	2842	7856420060	Malus domestica	Apple	11	3 - Fair	Remove
inst       inst       inst       inst       inst       inst       inst         161       263       7550000       And material field inglat       12       4.1 port       4.1 port       4.1 port         161       264       7500000       Parte pages       Editors proc       17       4.1 port       4.1 port       Mercor         161       264       7500000       Parte constitu       Fall       16       4.1 port       4.1 port       Mercor         162       264       7500000       Parte constitu       Fall       15       4.1 port       4.1 port       Mercor         164       266       7500000       Parte constitu       Fall       12       4.1 port       Mercor       4.1 port       Mercor         164       266       75000000       Parte constitut       Top parte       1.1 port       Mercor       4.1 port       Mercor       4.1 port       Mercor       4.1 port       Mercor       4.1 port       Mercor       M	487	2844	7856420060	Pseudotsuga menziesii	Douglas-fir	11.3	3 - Fair	Remove	
131       1314       1 frage       1 frage <t< td=""><td>488</td><td>2851</td><td>7856420070</td><td>Prunus avium</td><td>Sweet cherry</td><td>16</td><td>2 - Good</td><td>Remove</td></t<>	488	2851	7856420070	Prunus avium	Sweet cherry	16	2 - Good	Remove	
int       int       int       int       int       int       int         20       244       7550025       Finan dame int       Actival pale       15       Actival pale       Actival pale       12       Actival pale       Actival pale       12       Actival pale       Actival pale       13       Actival pale       Actival pale       12       Actival pale       Actival pale       12       Actival pale       Actival pale       Actival pale       12       Actival pale       Actival pale       Actival pale       12       Actival pale       Acti	489	2852	7856420070	Acer macrophyllum	Bigleaf maple	32.4	3 - Fair	Remove	
All         All         All         All         All         All         All         All           42         257         7550000         Pronz domatica         Pan         25         2.66d         Renee           43         258         78550000         Pronz domatica         Pan         25         2.66d         Renee           44         260         76500010         Catanges insurance         6.7         3.66         Renee           458         261         76500010         Mala domestra         Oper faurt         2.6         3.66         Renee           468         260         76500010         Mala domestra         Oper faurt         2.0         3.66         Renee           468         250         76500010         Mala domestra         Oper faurt         3.0         3.66         Renee           468         250         76500010         Mala domestra         Oper faurt         3.0         3.66         Renee           478         254         7560010         Mala domestra         Oper faurt         3.6         Renee           480         756         7650020         Mala mashad         Patrica mashad         Nationacon         3.6         Renee	490	2943	7855000290	Picea pungens	Colorado spruce	17	4 - Poor	Remove	
abs       city       film	491	2944	7855000290	Pinus nigra	Austrian pine	15.5	4 - Poor	Remove	
abs       bbs         148       2961       785500011       Phatts lawoorensia       Cherry lavel       125       3. Fak       Remove         146       2961       785500011       Mails domestra       Apple       9.3       3. Fak       Remove         147       2963       785500010       Mails domestra       Apple       9.3       3. Fak       Remove         149       2963       785500010       Phattis lawoorensia       Ontery lavel       10.5       3. Fak       Remove         150       2963       78560025       Phattis lawoorensia       Foldtin madrane       10.5       3. Fak       Remove         150       2974       78560025       Mabus merzensi       Phattin madrane       15.1       4. Phat       Remove         150       2974       78560025       Mabus merzensi       Phattin madrane       15.2       4.       4. Phat       Remove         151       2974       78560025       Phattin madrane       15.1       4.       4.       7.       Remove         152       2976       78560025       Phattin madrane       15.2 <td>492</td> <td>2957</td> <td>7855000300</td> <td>Prunus domestica</td> <td>Plum</td> <td>15</td> <td>2 - Good</td> <td>Remove</td>	492	2957	7855000300	Prunus domestica	Plum	15	2 - Good	Remove	
als       2.80 $12  Mathematical Mathemathematical Mathematical Mathematical Mathamatical Mathematical $	493	2958	7855000300	Prunus domestica	Plum	10.5	2 - Good	Remove	
1 style1 style <t< td=""><td>494</td><td>2960</td><td>7855000310</td><td>Crataegus monogyna</td><td>Common hawthorn</td><td>8.7</td><td>3 - Fair</td><td>Remove</td></t<>	494	2960	7855000310	Crataegus monogyna	Common hawthorn	8.7	3 - Fair	Remove	
indAddAdditionAdditionAdditionAddition49726.3AbstractionPennuk lastantaPendugares lastanti10.23. FairAmone49829.47.85660250PenduktusiaiPendugares lastanti10.44. FoorAmone50029.17.85660250Athotas menesisiPendugares lastanti10.63. FairAmone50129.87.85660250Athotas menesisiPendugares lastanti1.94. FoorBenove50129.87.85660250Athotas menesisiPendugares lastanti8.42. GoodBenove50229.87.85660250Athotas menesisiPendugares lastanti8.42. GoodBenove50329.77.85660250Athotas menesisiPendugares lastanti8.43. FairAmone50429.77.85500252Pennus censifier1.21.23. FairRenove50529.77.85500252Pennus censifier1.23. FairRenove50629.77.85500252Pennus censifier1.23. FairRenove50729.77.85500252Pennus censifier1.43. FairRenove50829.77.85500250Pensus censifier1.43. FairRenove50929.77.85500250Pensus censifier1.43. FairRenove50929.87.85500250Pensus censifier1.44. FoorRenove51029.97.85500	495	2962	7855000310	Prunus laurocerasus	Cherry laurel	12.5	3 - Fair	Remove	
1 As a relax1 relax </td <td>496</td> <td>2961</td> <td>7855000310</td> <td>Malus domestica</td> <td>Apple</td> <td>9.3</td> <td>3 - Fair</td> <td>Retain</td>	496	2961	7855000310	Malus domestica	Apple	9.3	3 - Fair	Retain	
194       1785680230       Ablutts merziesi       Pacific malforme       16.1       1.6.1       2.6.000       Remove         199       266       7.85660230       Mabuts merziesi       Pacific malforme       1.6       2.6.000       Remove         190       271       7.85660230       Mabuts merziesi       Pacific malforme       1.5       4. Poor       Remove         150       2.989       7.85660230       Abbuts merziesi       Pacific malforme       8.4       2.600d       Remove         150       2.989       7.85660230       Abbuts merziesi       Pacific malforme       8.4       2.600d       Remove         150       2.97       7.85660230       Abbuts merziesi       Poering plum       8.4       3. Fair       Remove         150       2.97       7.85500235       Pourus centrafer       Flowering plum       1.0       3. Fair       Remove         150       2.97       7.85500235       Pourus centrafer       Flowering plum       1.4       3. Fair       Remove         150       2.97       7.85500235       Laburum a weteref       Golerchain Tree       1.2       3. Fair       Remove         150       2.99       7.85500360       Pourus centrafa       Shore pine <t< td=""><td>497</td><td>2963</td><td>7855000310</td><td>Prunus lusitanica</td><td>Portuguese laurel</td><td>10.2</td><td>3 - Fair</td><td>Remove</td></t<>	497	2963	7855000310	Prunus lusitanica	Portuguese laurel	10.2	3 - Fair	Remove	
100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100	498	2964	7856660250	Pseudotsuga menziesii	Douglas-fir	16.1	4 - Poor	Remove	
Abol2471Association1 a1 a<	499	2965	7856660250	Arbutus menziesii	Pacific madrone	10.6	2 - Good	Remove	
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Sold259978500030Pluts ponderoia a penderoia pine14.23 - FairRemoveSold2976785500325Plutus serulata lapanese flowering cherry10.23 - FairRemoveSold2977785500325Plutus cerasifera eflowering plutu10.43 - FairRemoveSold2979785500325Plutus cerasifera 	501	2968	7856660250	Arbutus menziesii	Pacific madrone	15.1	4 - Poor	Remove	
Sol2976785500325Prunus serulataJapanese flowering plum10.23 - FairRetinive5042976785500325Prunus cerusiferaFlowering plum10.23 - FairRetinive5052977785500325Prunus cerusiferaFlowering plum10.43 - FairRetinive5072978785500325Prunus cerusiferaFlowering plum10.43 - FairRetinive5082996785500325Laburnum x watereriGoldenchain Tree12.23 - FairRetinive5082997785500360Picea pungensColorado spruce14.43 - FairRemove5092997785500360Ables sp.Fir species8.24 - PoorRemove5102999785500360Ables sp.Fir species9.44 - PoorRemove5113002785500360Ables sp.Fir species9.44 - PoorRemove5133006785500360Ables sp.Fir species94 - PoorRemove51430878500360Ables sp.Fir species94 - PoorRemove5153077785500360Ables sp.Fir species94 - PoorRemove516314785500360Ables sp.Fir species94 - PoorRemove515304785500360Ables sp.Fir species94 - PoorRemove516314785500360Ables sp.Fir species <t< td=""><td>502</td><td>2969</td><td>7856660250</td><td>Arbutus menziesii</td><td>Pacific madrone</td><td>8.4</td><td>2 - Good</td><td>Remove</td></t<>	502	2969	7856660250	Arbutus menziesii	Pacific madrone	8.4	2 - Good	Remove	
Sul2978745300023Prunus cersaiferaFlowering plum8.03 - FairRemove5062979785300023Prunus cersaiferaFlowering plum10.43 - FairRemove5072978785500023Prunus cersaiferaGoldenchain Tree12.23 - FairRemove50829967855000360Picea pungensColorado spruce14.43 - FairRemove50929977855000360Picea pungensColorado spruce14.43 - FairRemove51029997855000360Pinus contortaShore pine14.43 - FairRemove5113002785500360Abies sp.Fir species9.44 - PoorRemove5123005785500360Tis upertensional94 - PoorRemove5133006785500360Pinus sylvestrisScots pine8.14 - PoorRemove5143008785500360Pinus sylvestrisScots pine8.14 - PoorRemove5153007785500360Pinus sylvestrisScots pine8.14 - PoorRemove5163014785500360Abies sp.Fir species94 - PoorRemove5153007785500360Abies sp.Fir species94 - PoorRemove5163014785500360Abies sp.Fir species94 - PoorRemove5153007785500360Abies sp.Fir species94	503	2970	7856660250	Pinus ponderosa	Ponderosa pine	14.2	3 - Fair	Remove	
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Sof25/8785300363Pice pungensColorado spruce12.2SofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSofSof<	506	2979	7855000325	Prunus cerasifera	Flowering plum	10.4	3 - Fair	Retain	
SoldZoldPlaceFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileFileF	507	2978	7855000325	Laburnum x watereri	Goldenchain Tree	12.2	3 - Fair	Remove	
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S15     S07     785500360     Abies sp.     Fir species     11.9     4 - Poor     Remove       517     3014     785500360     Abies sp.     Fir species     11.9     4 - Poor     Remove	514	3008	7855000360			8.1	4 - Poor	Remove	
S10     S014     785500360     Abies sp.     Fir species     11.9     4 - Poor     Remove	515	3007	7855000360			9	4 - Poor	Remove	
31/     3014     //0000000     11.7     4 * POUL     Relinive	516	3014	7855000360	Abies sp.	Fir species	11.9	4 - Poor	Remove	
518     3017     7855000360     Juniperus scopulorum     Rocky Mountain Juniper     8.6     3 - Fair     Remove	517	3014	7855000360	Abies sp.		11.9	4 - Poor	Remove	
	518	3017	7855000360	Juniperus scopulorum	Rocky Mountain Juniper	8.6	3 - Fair	Remove	

519	3023	7855801770	Laburnum x watereri	Goldenchain Tree	9.4		3 - Fair	Remove
520	3027	7855801770	Prunus emarginata	Bitter cherry	13.1		3 - Fair	Retain
521	3028	7855801770	Arbutus menziesii	Pacific madrone	16.5		3 - Fair	Remove
522	3035	7855800010	Pseudotsuga menziesii	Douglas-fir	16.3		4 - Poor	Remove
523	3038	7855800010	Pseudotsuga menziesii	Douglas-fir	10.8		4 - Poor	Remove
524	3037	7855800010	Cedrus deodara	Deodar cedar	14.1		4 - Poor	Remove
525	3039	7855800010	Pseudotsuga menziesii	Douglas-fir	13.9		4 - Poor	Remove
526	3041	7855800010	Pinus sylvestris	Scots pine	11		4 - Poor	Remove
527	3032	7855801770	Salix scouleriana	Scouler's willow	17		4 - Poor	Remove
528	3031	7855801770	Arbutus menziesii	Pacific madrone	9		3 - Fair	Remove
529	3042	7855800010	Pseudotsuga menziesii	Douglas-fir	19.4		4 - Poor	Remove
530	3043	7855800010	Cedrus deodara	Deodar cedar	20.1		4 - Poor	Remove
531	3044	7855800010	Pseudotsuga menziesii	Douglas-fir	20.4		4 - Poor	Remove
532	3045	7855800010	Cedrus deodara	Deodar cedar	21.4		4 - Poor	Remove
533	3046	7855800010	Pseudotsuga menziesii	Douglas-fir	12.9		4 - Poor	Remove
534	3048	7855800010	Pseudotsuga menziesii	Douglas-fir	18		4 - Poor	Remove
535	3047	7855800010	Pseudotsuga menziesii	Douglas-fir	20		4 - Poor	Remove
536	3049	7856410010	Arbutus menziesii	Pacific madrone	13.1		3 - Fair	Remove
537	3051	7856410010	Pseudotsuga menziesii	Douglas-fir	11		4 - Poor	Remove
538	3050	7856410010	Pseudotsuga menziesii	Douglas-fir	13.4		4 - Poor	Remove
539	3054	7856410010	Arbutus menziesii	Pacific madrone	10		4 - Poor	Remove
540	3084	7855800020	Arbutus menziesii	Pacific madrone	12		3 - Fair	Remove
541	3086	7855800020	Acer macrophyllum	Bigleaf maple	17.2		3 - Fair	Remove
542	3056	7856410010	Pseudotsuga menziesii	Douglas-fir	9.6		4 - Poor	Remove
543	3057	7856410010	Arbutus menziesii	Pacific madrone	12		3 - Fair	Remove
544	3055	7856410010	Arbutus menziesii	Pacific madrone	8		3 - Fair	Remove
545	3095	7855800030	Pseudotsuga menziesii	Douglas-fir	20.5		4 - Poor	Remove
546	3060	7856410010	Arbutus menziesii	Pacific madrone	10.9		4 - Poor	Remove
547	3094	7855800030	Pseudotsuga menziesii	Douglas-fir	16.5		4 - Poor	Remove
548	3059	7856410010	Arbutus menziesii	Pacific madrone	13.7		3 - Fair	Remove
549	3093	7855800030	Pseudotsuga menziesii	Douglas-fir	15.8		4 - Poor	Remove
550	3097	7855800030	Thuja plicata	Western red cedar	12.9		4 - Poor	Remove
551	3108	7855800040	Picea pungens	Colorado spruce	10.6		4 - Poor	Remove
552	3109	7855800040	Picea pungens	Colorado spruce	13.5		4 - Poor	Remove
553	3096	7855800030	Pseudotsuga menziesii	Douglas-fir	19		4 - Poor	Remove
554	3061	7856410010	Cladrastis kentukea	American yellowwood	11.5		3 - Fair	Remove
555	3063	7856410010	Pseudotsuga menziesii	Douglas-fir	22.3		3 - Fair	Remove

97         911         9709000         Proceedings for the second secon	556	3062	7856410010	Cladrastis kentukea	American yellowwood	20	3 - Fair	Remove
11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0       11.0	557	3115	7855800040	Pseudotsuga menziesii	Douglas-fir	12.4	4 - Poor	Remove
210       11.1       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       - 1.1.2       -1.1.2       -1.1.2	558	3117	7855800040	Picea pungens	Colorado spruce	11.4	4 - Poor	Remove
11.1       11.1 $-1$ Point <t< td=""><td>559</td><td>3114</td><td>7855800040</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>15.1</td><td>4 - Poor</td><td>Remove</td></t<>	559	3114	7855800040	Pseudotsuga menziesii	Douglas-fir	15.1	4 - Poor	Remove
Soland( $1,1d$ ( $1,1$	560	3113	7855800040	Pseudotsuga menziesii	Douglas-fir	15.1	4 - Poor	Remove
International       International       International       International       International       International         184       109       Passbook       Peedekag mercet       Ongles Pr       2.9       4.7 mon       4.7 mon       4.8 mon         184       109       Passbook       Peedekag mercet       Ongles Pr       2.9       4.7 mon       4.7 mon       4.8 mon         184       130       Passbook       Peedekag mercet       Ongles Pr       3.6       4.7 mon       4.8 mon         184       132       Passbook       Peedekag mercet       Ongles Pr       3.5       4.7 mon       4.8 mon         184       132       Passbook       Peedekag mercet       Ongles Pr       3.5       4.7 mon       4.8 mon         184       132       Passbook       Peedekag mercet       Ongles Pr       3.6       4.8 mon       4.8 mon<	561	3064	7856410010	Prunus avium	Sweet cherry	9.3	3 - Fair	Remove
110       110       110       110       110       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100       1100	562	3102	7855800040	Pseudotsuga menziesii	Douglas-fir	12.7	4 - Poor	Remove
141       368       11.580000       Number 1, 153       1.100       1000         151       3100       71550000       Number 1, 154       10       1,000       Ransor         151       112       71550000       Number 1, 154       10       1,000       Ransor         157       112       71550000       Number 1, 154       10       1,000       Ransor         150       71550000       Number 1, 154       10       1,000       Ransor         150       715       1,12       71550000       Number 1,000       Ransor         151       71550000       Number 1,000       Ransor       1,000       Ransor         151       71550000       Number 1,000       Ransor       1,000       Ransor         151       1113       71550000       Ransor       1,000       Ransor         151       1113       71550000       Ransor       1,000       Ransor         152       71550000       Ransor       1,000       Ransor       1,000       Ransor         151       1113       71550000       Ransor       1,000       Ransor       1,000       Ransor         151       1113       71550000       Ransor       <	563	3101	7855800040	Pseudotsuga menziesii	Douglas-fir	20.5	4 - Poor	Remove
assource       assource       assource       assource       assource       assource       assource         161       113       75550000       Poodshug mentenin       Dodglo ff       12       4.000       Hence         163       113       75550000       Poodshug mentenin       Dodglo ff       13       4.000       Hence         164       174       75540000       Poodshug mentenin       Dodglo ff       13       4.000       Hence         170       117       7550000       Poodshug mentenin       Dodglo ff       13       4.000       Hence         171       113       7550000       Poodshug mentenin       Dodglo ff       13       4.000       Hence         172       113       7550000       Poodshug mentenin       Dodglo ff       13       4.000       Hence         173       114       7550000       Poodshug mentenin       Dodglo ff       13       4.000       Hence         174       114       7550000       Poodshug mentenin       Dodglo ff       13       4.000       Hence         174       114       7560000       Poodshug mentenin       Dodglo ff       13       4.000       Hence         174       114       75600	564	3099	7855800040	Pseudotsuga menziesii	Douglas-fir	12.9	4 - Poor	Remove
100       12.50       10.000000       10.000000       4.1000       10.00000         547       1312       75500000       Made demesize       Apple       9.6       9.6       9.7       10.0       10.00000         548       1318       75560000       Peedeblage mentate       Dogler fr       12       12       4.1600       Annow         570       1327       755500000       Peedeblage mentate       Dogler fr       12       4.1600       Annow         571       1328       755500000       Peedeblage mentate       Dogler fr       20       4.1600       Annow         571       1327       755500000       Peedeblage mentate       Dogler fr       20       4.1600       Annow         571       1323       755500000       Peedeblage mentate       Dogler fr       20       4.1600       Annow         573       1322       755500000       Peedeblage mentate       Dogler fr       20       4.1600       Annow         573       1322       755500000       Peedeblage mentate       Dogler fr       14       4.1600       Annow         574       1324       755500000       Peedeblage mentate       Dogler fr       14       4.1600       Annow      <	565	3100	7855800040	Pseudotsuga menziesii	Douglas-fir	20.8	4 - Poor	Remove
andAlta'Andra'AndreAlta'Andre54854875500050Packottaga mentaliStaglas fr124.50rAsmoe5931875500050Packottaga mentaliDuglas fr124.50rAsmoe5131675500050Packottaga mentaliDuglas fr124.70rAsmoe5131771500050Packottaga mentaliDuglas fr134.70rAsmoe5131875500050Packottaga mentaliDuglas fr144.70rAsmoe5231378500050Packottaga mentaliDuglas fr204.70rAsmoe5331278500050Packottaga mentaliDuglas fr204.70rAsmoe5331278500050Packottaga mentaliDuglas fr146.70rAsmoe5331278500050Packottaga mentaliDuglas fr164.70rAsmoe5431978500050Packottaga mentaliDuglas fr164.70rAsmoe5531278500050Packottaga mentaliBuglas fr114.70rAsmoe5731978500050Packottaga mentaliDuglas fr114.70rAsmoe5831978500050Cehra deteinDuglas fr1164.70rAsmoe5921878500500Cehra deteinDuglas fr1164.70rAsmoe5021878500500Cehra deteinDuglas fr116<	566	3133	7855800050	Pseudotsuga menziesii	Douglas-fir	8.2	4 - Poor	Remove
13.61.0.61.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.41.0.4	567	3132	7855800050	Pseudotsuga menziesii	Douglas-fir	10.5	4 - Poor	Remove
abs       Abs       A residual	568	3068	7856410010	Malus domestica	Apple	9.8	3 - Fair	Remove
210       11.21       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       11.20       1	569	3128	7855800050	Pseudotsuga menziesii	Douglas-fir	12	4 - Poor	Remove
11       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.2       1.	570	3127	7855800050	Pseudotsuga menziesii	Douglas-fir	15.2	4 - Poor	Remove
31.4       17.1       1.1.7       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1       11.1	571	3126	7855800050	Pseudotsuga menziesii	Douglas-fir	8.8	4 - Poor	Remove
333.121.281.4801.4700Memode74431197.855800050Pleudotuga mendesiaDouglas-fir204.4900Remove75731227.855800060Pleudotuga mendesiaDouglas-fir144.4900Remove75730707.855800060Pleudotuga mendesiaDouglas-fir1654.4900rRemove75730707.855800060Pleudotuga mendesiaDouglas-fir1654.4900rRemove75730707.855800060Pleudotuga mendesiaDouglas-fir1654.4900rRemove7582947.855800060Cedrus deodaraDouglas-fir1654.4900rRemove7582947.855800060Cedrus deodaraDouglas-fir1164.4900rRemove75829537.855800060Cedrus deodaraDouglas-fir1124.4900rRemove75829547.855800060Sequaladendron geganteumGiant sequala32.73.161rRemove75830707.855800060Sequaladendron geganteumGiant sequala32.73.161rRemove7583147.855800060Sequaladendron geganteum16.54.4900r4.4900rRemove7583147.855800060Pleudotuga mendesiaDouglas-fir12.33.161rRemove7583147.855800060Pleudotuga mendesiaDouglas-fir16.54.4900r4.4900r7583147.855800060Pleudotuga mendes	572	3124	7855800050	Picea pungens	Colorado spruce	11.7	4 - Poor	Remove
1 N119Assuction1 - A ofA of5753122785580000Proutic genericiesiDougles fr144 - PoorRemove576293285800000Prinus censiferaFlowering plum133 - FairRemove57730707855410010Paeudotuga mentiesiDougles fr16.54 - PoorRemove57829447855800000Pices sp.Spruce species83 - FairRemove5792847855800000Piced dodaraDougles fr1164 - PoorRemove58029887855800000Feudotuga mentiesiDougles fr1164 - PoorRemove581288785580000Edetar deodaraDougles fr1164 - PoorRemove582288785580000Sequed deodaraDougles fr1124 - PoorRemove5843077856410020Sequed deodaraBougles fr1233 - FairRemove586314785640000Sequed deodara genteuriBougles fr1233 - FairRemove586314785640000Paudotuga mentiesiDougles fr155- PoorRemove587328785640000Ables pinsapoSpanish fr99- Siar- FaorRemove5883208785640000Paus cerasiferaHowering plum142- PoorRemove586314785640000Ables pinsapoSpanish fr99- Siar- Apoor <td>573</td> <td>3123</td> <td>7855800050</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>18.8</td> <td>4 - Poor</td> <td>Remove</td>	573	3123	7855800050	Pseudotsuga menziesii	Douglas-fir	18.8	4 - Poor	Remove
1312 $112$ $123$ (Minde $124$ (Minde $157$ $2993$ $78550000$ Pinus ceraiferaPiovering plun $13$ $3 - Fair$ Retin $577$ $2904$ $78550000$ Pice a p. $5yruce species$ $8$ $3 - Fair$ Remove $578$ $294$ $78550000$ Pice a p. $5yruce species$ $8$ $4 - Poor$ Remove $580$ $298$ $78550000$ Pice a p. $5yruce species$ $8$ $4 - Poor$ Remove $580$ $298$ $78550000$ Pice a p. $0uglas - fir$ $146$ $4 - Poor$ Remove $580$ $298$ $78550000$ Pice dara $0uglas - fir$ $112$ $4 - Poor$ Remove $581$ $298$ $78550000$ Cedrus decdara $0uglas - fir$ $112$ $4 - Poor$ Remove $582$ $2981$ $78550000$ Cedrus decdara $0uglas - fir$ $112$ $4 - Poor$ Remove $583$ $990$ $78550000$ Sequidaedrion ganteumGint sequida $327$ $3 - Fair$ Remove $584$ $301$ $78561000$ Pice ductuga menzels $0uglas - fir$ $123$ $4 - Poor$ Remove $584$ $307$ $78561000$ Pice ductuga menzels $0uglas - fir$ $123$ $4 - Poor$ Remove $585$ $370$ $78561000$ Abie pinsapo $5paih fir$ $93$ $4 - Poor$ Remove $586$ $328$ $78550000$ Abie pinsapo $5paih fir$ $94$ $4 - Poor$ Remove $586$ $32$	574	3119	7855800050	Pseudotsuga menziesii	Douglas-fir	20	4 - Poor	Remove
A 78       A 783       A 78380000       Passa0000       Passa00000       Passa0000       Passa0000       <	575	3122	7855800050	Pseudotsuga menziesii	Douglas-fir	14	4 - Poor	Remove
377 $300$ $73540000$ Pice sp.       Spute species $8$ $3 - Fair$ Remove $578$ $294$ $785580060$ Cedru deodra       Deodar cedar $166$ $4 - Foor$ Remove $579$ $2984$ $785580060$ Pseudosuga menziesil       Douglas-fir $116$ $4 - Foor$ Remove $581$ $2983$ $785580060$ Cedrus deodara       Deodar cedar $112$ $4 - Foor$ Remove $582$ $2983$ $785580060$ Cedrus deodara       Deodar cedar $112$ $4 - Foor$ Remove $582$ $2983$ $785580060$ Sequoladendron giganteum       Giant sequola $327$ $8 - 60 - 60 - 60 - 60 - 60 - 60 - 60 - 6$	576	2993	7855800060	Prunus cerasifera	Flowering plum	13	3 - Fair	Retain
3782394783500000Cedrus deodarDeodar cedar1.63.7 milNerrove5792984785500000Pseudotsuga menziesiiDouglas-fir1.64.9 PoorRemove5802988785500000Pseudotsuga menziesiiDouglas-fir1.24.9 PoorRemove5812983785500000Sequiladendron giganteumGiant sequila343.7 fairRemove5822981785500000Sequiladendron giganteumGiant sequila32.73.7 fairRemove583298078560000Sequiladendron giganteumGiant sequila32.73.7 fairRemove58430717856410020Pseudotsuga menziesiiDouglas-fir1.23.7 fairRemove58530707856410020Pseudotsuga menziesiiDouglas-fir1.653.7 fairRemove5863144785500000Pseudotsuga menziesiiDouglas-fir9.93.7 fairRemove5873145785500000Puruus ceraiferaPlowering plum154.9 PoorRemove58820287856410000Puruus ceraiferaApple1.64.9 PoorRemove58932077856410000Puruus ceraiferaApple1.64.9 PoorRemove58932077856410000Puruus serulataJapanes flowering cherry1.44.9 PoorRemove58932077856410000Puruus serulataApple1.63.6 FairRemove5	577	3070	7856410010	Pseudotsuga menziesii	Douglas-fir	16.5	4 - Poor	Remove
3.792.9847.85300000Pseudotsug menziesiiDougla-fir1.64. PoorMemore5802.9887.85300000Cedrus deadaraDougla-fir1.64. PoorRemove5812.9837.85300000Cedrus deadaraDeedar cedar1.24. PoorRemove5822.9817.85300000Sequaladendron giganteumGiant sequala34343. FairRemove5832.9807.85600000Sequaladendron giganteumGiant sequala3. FairRemove5843.0717.856410020Pseudotsug menziesiiDougla-fir1.2.33. FairRemove5853.0707.856410010Pseudotsug menziesiiDougla-fir1.6.54. PoorRemove5863.1447.85500080Piesudotsug menziesiiDougla-fir9.94. PoorRemove5863.1447.85500080Piruns cerasiferaFlowering plum154. PoorRemove5873.1457.85500080Piruns cerasiferaApple1.6.64. PoorRemove5893.0707.856410060Piruns cerasiferaApple1.6.63. FairRemove5893.0707.856410060Piruns cerasiferaApple1.6.63. FairRemove5893.077.856410060Piruns cerasiferaApple1.6.63. FairRemove5893.077.856410060Piruns cerasiferaApple1.6.63. FairRemove5893.02 </td <td>578</td> <td>2994</td> <td>7855800060</td> <td>Picea sp.</td> <td>Spruce species</td> <td>8</td> <td>3 - Fair</td> <td>Remove</td>	578	2994	7855800060	Picea sp.	Spruce species	8	3 - Fair	Remove
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Spin     Spin     Picea pungens     Colorado spruce     11     4 - Poor     Remove	589	3207	7856410060	Malus domestica		10.6	3 - Fair	Remove
SSI S205 //SJ0410000 II 4*F001 Nellove	590	3205	7856410060	Prunus avium	Sweet cherry	11.8	3 - Fair	Remove
592         3154         7855800110         Prunus domestica         Plum         9.1         3 - Fair         Remove	591	3203	7856410060	Picea pungens	Colorado spruce	11	4 - Poor	Remove
	592	3154	7855800110	Prunus domestica	Plum	9.1	3 - Fair	Remove

Bit     Bit     Bit     Bit     Bit     Bit     Bit     Bit       158     Hit     Status     Marin     Ganda     Bit     Bits     Bits<	593	3156	7855800110	Malus domestica	Apple	8.3	3 - Fair	Retain
No.     Int.     Nome     And     And     Int.       19     1255     1255     1254030     Part and     Int.       1011     1211     1211     1211     1211     1211     Int.     Int.     Int.     Int.     Int.     Int. <td< td=""><td>594</td><td>3160</td><td>7855800120</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>23.5</td><td>4 - Poor</td><td>Remove</td></td<>	594	3160	7855800120	Pseudotsuga menziesii	Douglas-fir	23.5	4 - Poor	Remove
11.1     1.1.2     1.1.4.1     1.1.4.1     1.1.6.1.1       11.1     1.1.5.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1     1.1.6.1.1       11.1     1.1.6.1.1 <t< td=""><td>595</td><td>3161</td><td>7855800120</td><td>Cedrus deodara</td><td>Deodar cedar</td><td>24.9</td><td>4 - Poor</td><td>Remove</td></t<>	595	3161	7855800120	Cedrus deodara	Deodar cedar	24.9	4 - Poor	Remove
11     11.0     1.10     1.100     1.100     1.100     1.100       13     13.0     7501020     Parin kinks     5840 Series     13.4     1.100     1.100     1.100       13     13.0     13.0     1.100     1.100     1.100     1.100     1.100       14     1.100     1.100     Market     1.000     1.100     1.100     1.100       16     1.100     1.100     Market     1.000     1.100     1.100     1.100       160     1.100     1.100     Market     1.000     1.100     1.100     1.100       160     1.100     1.100     Market     1.100     1.100     1.100     1.100       160     1.100     1.100     Market     1.100     1.100     1.100     1.100       160     1.100     Market     1.100     1.100     1.100	596	3219	7856410080	Magnolia	Loebner Magnolia	9.1	3 - Fair	Remove
alia       alia       alia       alia       alia       alia         58       364       Statuka       Sactary       1.4       4.1       4.1       4.1       4.1         50       1.6       Statuka       Sactary       0.1       0.1       4.1       4.1       4.1       4.1         60       1.6       Statuka       Sactary       Sactary       1.4       5.1       5.1       5.1       5.1         61       1.6       Statuka       Sactary       Sactary       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       5.1       <	597	3162	7855800120	Cedrus deodara	Deodar cedar	21.7	4 - Poor	Remove
103       113       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       114       1	598	3235	7856410090	Prunus domestica	Plum	12	3 - Fair	Remove
No.       No.       No.       No.       No.       No.       No.         10       17.4       1.44000       Motodian       Pedro Marc       19.4       19.4       19.47       19.4         101       1.14       1.14000       Pedro Marc       19.4       19.4       19.47       19.4         102       1.14       1.14000       Pedro Marc       19.4       19.4       19.4       19.4       19.4         103       1.14       1.14000       Motodian       Motodian       19.4       19.4       19.4       19.4         104       1.14       1.14000       Motodian       Motodian       19.4       19.4       Motodian       19.4       19.4       Motodian       Motodian       Motodian       19.4       Motodian       Motodian </td <td>599</td> <td>3263</td> <td>7856410120</td> <td>Prunus avium</td> <td>Sweet cherry</td> <td>13.4</td> <td>4 - Poor</td> <td>Remove</td>	599	3263	7856410120	Prunus avium	Sweet cherry	13.4	4 - Poor	Remove
10       358       71/20000       Proceedings of the second se	600	3802	2124059001	Alnus rubra	Red alder	10.2	4 - Poor	Remove
Dia       Longential       Longential       Longential       Longential       Longential       Longential         03       2.13       2.1300001       Mariar Machine       Higher Mark       1.2 $3.14^{col}$ Harrow         05       3.76       2.1300001       Marken Standfulle       Higher Mark       1.2 $4.16^{col}$ </td <td>601</td> <td>3786</td> <td>2124059001</td> <td>Salix lasiandra</td> <td>Pacific willow</td> <td>8.4</td> <td>3 - Fair</td> <td>Retain</td>	601	3786	2124059001	Salix lasiandra	Pacific willow	8.4	3 - Fair	Retain
abs       1.14       1.2400001       1.6400       1.6400       1.6400       1.6400         164       1.762       2.1400001       Arr microphylim       Riget nage       1.12       1.1400       Arrage         165       1.762       2.1400001       Arr microphylim       Riget nage       1.12       1.1600       1.600         166       2.20       2.1400001       Arr microphylim       Riget nage       2.1       1.600       1.600       1.600         167       2.21       2.1400001       Arr microphylim       Riget nage       2.1       1.600       1.600       1.600         168       2.22       2.1200001       The pictal       Riset net nage       1.1       1.600       Riset net nage         169       2.23       2.1200001       The pictal       Riset net nage       1.1       2.600       Riset net nage         161       2.60       2.1200001       The pictal       Riset net nage       2.1       1.600       Riset nage         162       2.1200001       Riset nage       Riset nage       8.5       2.1       1.600       Riset nage         163       3.6       4.700118       Riset nage       1.5       3.6       1.600       Riset nage	602	214	2124059001	Pseudotsuga menziesii	Douglas-fir	19	3 - Fair	Remove
Constraint       Link of the set of	603	213	2124059001	Thuja plicata	Western red cedar	9	3 - Fair	Remove
Interm       Interm       Interm       Interm       Interm       Interm       Interm         60       20       120000       Avergetataate       Norwaymapte       2       160       3. Fair       Remove         60       22       1200500       Tabagetaate       Norwaymapte       2       3. Fair       Remove         60       22       1200500       Tabagetaate       Norwaymapte       2       3. Fair       Remove         60       22       1200500       Redue mode       13       3. Fair       Remove         60       22       1200500       Redue mode       12       3. Fair       Remove         61       22       1200500       Redue mode       12       3. Fair       Remove         61       22       1200500       Remove       8.       14       Non-Non-Non-Non-Non-Non-Non-Non-Non-Non-	604	3788	2124059001	Acer macrophyllum	Bigleaf maple	12	4 - Poor	Remove
https://display.com/         Linkerskin/         Linkerskin/         Linkerskin/         Linkerskin/         Linkerskin/           667         21         21400402         Takup kolati         kenten ender         145         3.5 ekr         Renove           669         22         12400402         Takup kolati         Stropen white berch         13.5         2.6 eest         Memore           640         224         212409001         Metha pendula         Stropen white berch         13.5         3.6         3.7 ekr         Renove           611         226         212409001         Metha pendula         Belesk renove         1         2.6 eest         Renove           612         226         212409001         Attra rabop metha         Belesk renove         15         3.6         S.6 eest         Renove           613         236         21409001         Renove pendua         13.5         3.6         Renove         Renove           614         28         21409001         Resultape metha         Danges fr         13.5         Renove         Renove           615         306         607190010         Resultape metha         13.6         Attra renove         Renove           616         304         607	605	3790	2124059001	Acer macrophyllum	Bigleaf maple	16.2	4 - Poor	Remove
10011111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111	606	220	2124059001	Acer platanoides	Norway maple	12	3 - Fair	Remove
11111211212000011200000120000012000001200000120000012000001200000120000012000001200000120000012000001200000120000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000001200000012000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000120000000012000000001200000000120000000012000000001200000000120000000012000000001200000000000000	607	221	2124059001	Calocedrus decurrens	Incense cedar	14.5	3 - Fair	Remove
163       213       214089001       Thip plicata       Western ret cetar       1.3       3.1       3.1       1.1         161       226       22.060001       Neudostage menuesal       Dougles fir       1.1       2Good       Remove         161       226       22.060001       Acr macrophyflum       Bigled magle       8.5       2Good       Remove         161       228       22.00001       Ann srubra       Red after       8.5       2Good       Remove         161       228       22.00001       Ann srubra       Red after       8.5       2Good       Remove         161       228       22.00001       Preudostage menuesal       Douglas fir       13.6       3Fair       Remove         161       308       6071900100       Fagus sylectica purpuresa       Europea beech (purplo)       29       4Poor       Remove         161       309       6071900100       Fagus sylectica purpuresa       Europea beech (purplo)       29       4Poor       Remove         161       309       6071900100       Fagus sylectica purpuresa       Europea beech (purplo)       29       4Poor       Remove         162       305       6071900100       Fagus sylectica purpuresa       E	608	222	2124059001	Thuja plicata	Western red cedar	17	2 - Good	Remove
Stor2421.4005001Peudlotage mentelsiDouglas-fr112-0004Renove6112.42.12.4005001Aler macrophylumBiglast maple6.52-0004Renove6112.42.12.4005001Alers ruleaBiglast maple6.52-0004Renove6112.42.12.4005001Peudlotage mentelsiBolgas-fr13.52-0004Renove6142.82.12.4005001Peudlotage mentelsiBolgas-fr13.53-64rRenove6153.086071900130Tilea aufolumEnglish holfy84-0oorRenove6163.096071900130Ilea aufolumEnglish holfy84-0oorRenove6173.36071900130Tilia plicataWestern ref cedar2.94-0oorRenove6183.046071900150Tilia plicataWestern ref cedar2.74-0oorRenove6193.046071900160Tilia plicataWestern ref cedar2.74-0oorRenove6203.056071900160Tilia plicataWestern ref cedar2.74-0oorRenove6213.016071900140Acr platanodesNorwy maple113-FairRenove6223.006071900140Mais domesticaApple83-FairRenove6233.01607200130Mais domesticaApple83-FairRenove6243.30607200130Mais domesticaApple8 <td>609</td> <td>223</td> <td>2124059001</td> <td>Betula pendula</td> <td>European white birch</td> <td>13.5</td> <td>3 - Fair</td> <td>Remove</td>	609	223	2124059001	Betula pendula	European white birch	13.5	3 - Fair	Remove
AllLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLikeLik	610	224	2124059001	Thuja plicata	Western red cedar	14	2 - Good	Remove
ActionActionActionActionAction613214214000001Alux rubraRed alor6.52GoodRemove61428222403001Pisudotaga menseiaGouglar Ir13.53.63FairRemove615306071900180Thuja pilcataWestern red cedar18.54PoorRemove616306071900180Fagu synktca purpurealEuropean beech furplel293FairRemove617306071900180Thuja pilcataWestern red cedar294PoorRemove6183046071900180Thuja pilcataWestern red cedar294PoorRemove6193056071900180Thuja pilcataWestern red cedar27.54PoorRemove6203056071900140Acer pilatanováNorway maple113FairRemove6213016071900140Pinus sylvestrisScoto pine6.54PoorRemove62339607200300Mulus domesticaApple84PoorRemove62433607200300Mulus domesticaApple12.54PoorRemove625326607200300Mulus domesticaApple12.53FairRemove626330607200300Mulus domesticaApple12.53FairRemove627327607200350Mulus domesticaApple12.63FairRemove6	611	226	2124059001	Pseudotsuga menziesii	Douglas-fir	11	2 - Good	Remove
AlsAlsAls of the secondAls	612	225	2124059001	Acer macrophyllum	Bigleaf maple	8.5	2 - Good	Remove
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A 3 09A 7 00 1Fagus sylvatica' jurpurea'European beech (purple)293 - FairRemove6173036071900140Fagus sylvatica' jurpurea'European beech (purple)293 - FairRemove6183046071900150Thuja plicataWestern red cedar294 - PoorRemove6193066071900160Pseudotsuga meniesiiDouglas-fir34.52 - GoodRetain6203056071900160Thuja plicataWestern red cedar27.54 - PoorRemove6213016071900140Acer platanoidesNorway maple113 - FairRemove6223006071900140Pinus sylvestrisScots pine16.54 - PoorRemove6232976071900130Malus domesticaApple83 - FairRemove6243336072200350Piruus sp.Plum or cherry14.52 - GoodRemove625326607200350Malus domesticaApple12.53 - FairRemove6263306072200350Piruus sp.Plum or cherry112 - GoodRemove626330607200350Piruus sp.Plum or cherry112 - GoodRemove6273376072200350Malus domesticaApple12.53 - FairRemove6283396072200350Magnolig andifforaSouthern Magnolia182 - GoodRemove6273376072200360<	615	308	6071900180	Thuja plicata	Western red cedar	18.5	4 - Poor	Remove
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01830400/1300/150Period Sign menziesiDouglas-fir ALS34.52 - GoodRetinve6193066071900160Pseudotsuga menziesiDouglas-fir ALS34.52 - GoodRetain6203056071900160Thuja plicataWestern red cedar Verway maple27.54 - PoorRemove6213016071900140Acer platanoidesNorway maple113 - FairRemove6223006071900140Pinus sylvestrisScots pine16.54 - PoorRemove6232976071900130Malus domesticaApple83 - FairRemove6243336072200350Prunus sp.Plum or cherry14.52 - GoodRemove6253266072200350Malus domesticaApple12.53 - FairRemove6263306072200350Prunus sp.Plum or cherry112 - GoodRemove6273376072200360Prunus sp.Plum or cherry112 - GoodRemove6283366072200350Malus domesticaApple182 - GoodRemove629337607200360Magnolia grandifloraSouthern Magnolia182 - GoodRemove629366072200360Magnolia grandifloraSouthern Magnolia182 - GoodRemove629366072200360Magnolia grandifloraSouthern Magnolia182 - GoodRemove62936 </td <td>617</td> <td>303</td> <td>6071900140</td> <td>Fagus sylvatica 'purpurea'</td> <td>European beech (purple)</td> <td>29</td> <td>3 - Fair</td> <td>Remove</td>	617	303	6071900140	Fagus sylvatica 'purpurea'	European beech (purple)	29	3 - Fair	Remove
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626     330     6072200360     Magnolia grandiflora     Southern Magnolia     11     2 - Good     Remove       627     337     6072200360     Magnolia grandiflora     Southern Magnolia     18     2 - Good     Remove       628     336     6072200360     ×Hesperotropsis leylandii     Leyland cypress     9     2 - Good     Retain	625	326	6072200350			12.5	3 - Fair	Remove
62/     33/     60/2200360      18     2 - Good     Remove       628     336     6072200360     *Hesperotropsis leylandiii     Leyland cypress     9     2 - Good     Retain	626	330	6072200350		-	11	2 - Good	Remove
	627	337	6072200360	Magnolia grandiflora	Southern Magnolia	18	2 - Good	Remove
629     338     6072200360     *Hesperotropsis leylandii     Leyland cypress     9     2 - Good     Remove	628	336	6072200360		Leyland cypress	9	2 - Good	Retain
	629	338	6072200360	×Hesperotropsis leylandii	Leyland cypress	9	2 - Good	Remove

Bit     State     Unique     Agent opport     State     Descent       Bit     St.t     Marcing opport     State     State     Marcing       Bit     St.t     Marcing opport     State     State     State       Bit     State     Marcing opport     State     State     State       Bit     <	630	342	6072200360	×Hesperotropsis leylandii	Leyland cypress	11		2 - Goo	d Remove
int       int       int       int       int       int       int         63       53       60000000       Mad 59 of sampa       Feerring rabidipk       5       1.0000000       Reine         64       No       600000000       General sampa       Reine       Reine       Reine         65       1.5       600000000       General sampa       Reine       Reine       Reine         66       1.5       600000000       General sampa       Reine       Reine       Reine         67       1.6       6000000000000000000000000000000000000	631	344	6072200360	×Hesperotropsis leylandii	Leyland cypress	14		2 - Goo	d Remove
Inst     Inst     Inst     Inst     Inst     Inst     Inst       64     51     6725000     Function     Band daty     1     1     1     Root       100     104     61270000     Function     Band daty     1     1     Root       105     107     1070000     Function     State daty     1     1     Root       104     1070000     Function     State daty     1     1     Root       104     1070000     Function     State daty     1     1     Root       104     1070     6725000     Function     Root     1     Root       104     1070000     Funcon state     Function	632	347	6072200370	Malus sp. <flowering></flowering>	Flowering crabapple	10		2 - Goo	d Remove
bit     bit     bit     bit     bit     bit       13     Max     000000     11     2.6000     Resol       105     Max     0000000     11     2.6000     Resol       105     Max     00000000     Resol     Resol       105     Max     00000000     Resol     Resol       106     000000000000     Resol     Resol     Resol       106     000000000000000000000000000000000000	633	352	6072200370	Malus sp. <flowering></flowering>	Flowering crabapple	8.5		2 - Goo	d Retain
non       non       Name       <	634	353	6072200380	Prunus sp.	Plum or cherry	10		3 - Fair	Remove
100     1.1.2     1.1.4     1.1.4     1.1.4       101     1.1.4     1.1.4     1.1.4     1.1.4       103     1.1.4     1.1.4     1.1.4     1.1.6       104     1.1.4     1.1.4     1.1.4     1.1.4       105     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.7     1.1.4     1.1.4     1.1.4       104     1.1.7     1.1.4     1.1.4     1.1.4       104     1.1.7     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4       104     1.1.4     1.1.4     1.1.4     1.1.4	635	364	6072200400	Cornus sp.	Ornamental dogwood	11		2 - Goo	d Remove
abs       bit Address $1 \ 4 \ 1 \ 4 \ 1 \ 4 \ 1 \ 4 \ 1 \ 4 \ 4$	636	365	6072200400	Prunus avium	Sweet cherry	11.5		3 - Fair	Remove
ins       instruction       instruction       instruction       instruction       instruction       instruction         19       171       07220040       Mains deneration       Aple       11.5       instruction       3.7 keV       Remove         141       173       07220040       Mains deneration       Aple       12.5       3.7 keV       Remove         142       173       07220040       Mains deneration       Aple       12.5       3.7 keV       Remove         143       173       07220040       Mains deneration       Mains       1.6 keV       3.7 keV       Remove         144       174       07220040       Marce and/or       Ladoshoft       1.5 keV       3.7 keV       Remove         145       174       07220040       Marce and/or       1.6 keV       3.7 keV       Remove       3.7 keV       Remove         146       174       0722040       Marce and keV       1.6 keV       1.6 keV       Remove       1.6 keV       Remove         147       173       0722040       Marce and keV       1.6 keV       1.6 keV       Remove       1.6 keV       Remove         148       0722040       Marce and keV       1.6 keV       1.6 keV       1.6 keV	637	369	6072200410	Acer palmatum	Japanese maple	9		2 - Goo	d Remove
100       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       <	638	368	6072200410	Prunus serrulata	Japanese flowering cherry	18		2 - Goo	d Remove
is       is <th< td=""><td>639</td><td>371</td><td>6072200410</td><td>Malus domestica</td><td>Apple</td><td>11</td><td></td><td>3 - Fair</td><td>Remove</td></th<>	639	371	6072200410	Malus domestica	Apple	11		3 - Fair	Remove
143 $173$ $173$ $173$ $173$ $173$ $173$ $173$ $173$ $173$ $173$ $173$ $173$ $173$ $173$ $173$ $1137$ $1137$ $164$ $177$ $607220202$ $100704$ and $110000$ $110000$ $110000$ $110000$ $110000$ $1100000$ $1100000$ $1100000$ $1100000$ $11000000$ $1100000000000000000000000000000000000$	640	370	6072200410	Malus domestica	Apple	11.5		3 - Fair	Remove
http://       But/Label/       Carylet xullar/       Increase filter       11       14       14       14       14       14         64       378       60/22040       Carylet xullar/       Increase filter       155       2.6004       Metan         64       378       60/22040       Are glatinatoles       Nowsy ragle       25       2.6004       Metan         64       381       60/22040       Paudottuga metaleii       Dougles fit       25       4.800       Memoe         64       381       60/22040       Paudottuga metaleii       Dougles fit       25       4.800       Memoe         64       384       60/22040       Magnalia genefitara       Sondern Magnala       4       5       4.800       Memoe         64       384       60/220404       Magnalia genefitara       Sondern Magnala       4       5       4.800       Memoe         65       394       60/220404       Mass alber thin the	641	373	6072200410	Magnolia	Loebner Magnolia	9.5		3 - Fair	Retain
143       378       6002200400       Attription (1)       153       2.0000       Attription (2)         644       376       600220040       Attription (2)       2.0000       Attription (2)       2.0000       Remove         646       381       607220040       Pleadotaga mendiesi       Douglas fr       25       4.7007       Remove         646       381       607220040       Pleadotaga mendiesi       Douglas fr       25       4.7007       Remove         648       384       607220040       Pleadotaga mendiesi       Douglas fr       25       4.7007       Remove         648       384       607220040       Abes abs       European abent [purple]       21       2.0000       Remove         651       397       607220040       Abes abs       European abent fr       15       6.5       3.744       Remove         653       397       607220040       Abes abs       European shert fr       15       6.5       3.744       Remove         653       397       607220040       Abes abs       European shert fr       15       4.900       Remove         654       400       607220040       Abes abs       European shert fr       15       4.900       Aen	642	377	6072200420	Ilex aquifolium	English holly	14		3 - Fair	Retain
$13^{10}$ $00^{12}$ ( $00^{12}$ ) $00^{12}$ ( $00^{12}$ ) $10^{12}$ $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$ ) ( $10^{12}$ ( $10^{12}$ ) $10^{12}$ ( $10^{12}$	643	378	6072200420	Corylus avellana	European filbert	15.5		2 - Goo	d Retain
asis	644	376	6072200420	Acer platanoides	Norway maple	25		2 - Goo	d Remove
asis       asis       asis       a root       a root       a root       a root         647 $379$ $607220040$ Fagus sylvatics purpures'       European selver fir $19.5$ $2.6ood$ Renove         648 $304$ $607220040$ Alles aba       European selver fir $19.5$ $4.9cor$ $4.9cor$ $4.9cor$ 659 $394$ $607220040$ Mulus formetica       Apple $11.5$ $6.5$ $3.7eir$ Renove         651 $397$ $607220040$ Tuga heterophyla       Vetern hendick $19$ $3.7eir$ Renove         652 $407$ $607220040$ Tuga heterophyla       Vetern hendick $19$ $3.7eir$ Renove         653 $403$ $607220040$ Ables aba       European silver fir<	645	381	6072200430	Pseudotsuga menziesii	Douglas-fir	25		4 - Poo	r Remove
41 $21$ $22$ -0000       Refrice         648       597       607220040       Maprolia gradifiera       Southern Magrolia       8       2-0004       Renove         649       640       677220040       Ables alba       European sheer fir       19.5       4-Peor       Renove         651       397       607220040       Males domestra       Aople       11.5       6.5       3-Fair       Renove         652       447       607220040       Ables alba       European sheer fir       12.5       4-Peor       Renove         653       407       607220040       Ables alba       European sheer fir       17       3-Fair       Renove         653       403       607220040       Ables alba       European sheer fir       12.5       3-Fair       Renove         653       403       607220040       Ables alba       European sheer fir       12.5       3-Fair       Renove         655       400       607220040       Ables alba       European sheer fir       13.5       3-Fair       Renove         655       400       607220040       Ables alba       European sheer fir       13.5       3-Fair       Renove         656       401       60	646	381	6072200430	Pseudotsuga menziesii	Douglas-fir	25		4 - Poo	r Remove
a baseB bay 220040Abbes albsEuropean alver fir 1951952 * 0001Mettore649404607220040Abbes albsEuropean alver fir 1951953 - 1a/aRemove650334607220040Tsuga heterophyllaWestern hemlock193 - 1a/aRemove651937607220040Abbes albsEuropean silver fir 12512.54 - PoortRemove653403607220040Abbes albsEuropean silver fir 12512.54 - PoortRemove654338607220040Abbes albsEuropean silver fir 125163 - fairRemove655339607220040Abbes albsEuropean silver fir 1258.53 - fairRemove655339607220040Abbes albsEuropean silver fir 13.513.53 - fairRemove656400607220040Abbes albsEuropean silver fir 13.513.53 - fairRemove658401607220040Abbes albsEuropean silver fir 13.513.53 - fairRemove659406607220040Abbes albsEuropean silver fir 13.513.53 - fairRemove659406607220040Abbes albsEuropean silver fir 13.513.53 - fairRemove659406607220040Abbes albsEuropean silver fir 13.513.53 - fairRemove650405607220040Abbes albsEuropean silver	647	379	6072200420	Fagus sylvatica 'purpurea'	European beech (purple)	21		2 - Goo	d Remove
143 $143$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ $147$ <th< td=""><td>648</td><td>384</td><td>6072200430</td><td>Magnolia grandiflora</td><td>Southern Magnolia</td><td>8</td><td></td><td>2 - Goo</td><td>d Remove</td></th<>	648	384	6072200430	Magnolia grandiflora	Southern Magnolia	8		2 - Goo	d Remove
AssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssAssA	649	404	6072200440	Abies alba	European silver fir	19.5		4 - Poo	r Remove
AsisAsisAdvisableFor pean silver fir 1.51.5A - Poor 4. PeorRemove6524006072200440Ables albaEuropean silver fir 1.71.5A - PoorRemove6534036072200400Tsuga heterophylaWetern hemlock163. FairRemove6553996072200400Ables albaEuropean silver fir 1.258.53. FairRemove6553996072200400Ables albaEuropean silver fir 1.251.253. FairRemove6564006072200400Ables albaEuropean silver fir 1.251.353. FairRemove657402607220040Ables albaEuropean silver fir 1.251.353. FairRemove658401607220040Ables albaEuropean silver fir 1.51.53. FairRemove659406607220040Ables albaEuropean silver fir 1.51.83. FairRemove659405607220040Ables albaEuropean silver fir 1.51.83. FairRemove660405607220040Ables albaEuropean silver fir 1.81.83. FairRemove661410607220040Ables albaEuropean silver fir 1.81.83. FairRemove662411607220040Malus domesticaAple1.23. FairRemove663414607220040Malus domesticaAple1.43. FairRe	650	394	6072200440	Malus domestica	Apple	11.5	6.5	3 - Fair	Remove
B32A07B07220040Abies albaEvropean silver fir17A FrodA FrodA FrodA frodA frod653403607220040Tsuga heterophyllaWestern hemiok163 - FairA frodA frodA frod655399607220040Abies albaEuropean silver fir8.53 - FairA frodA frodA frod656400607220040Abies albaEuropean silver fir12.53 - FairA frodA frodA frod657402607220040Abies albaEuropean silver fir13.53 - FairA frodA frodA frod658401607220040A bies albaEuropean silver fir123 - FairA frodA frodA frod659405607220040A bies albaEuropean silver fir133 - FairA frodA frod660405607220040A bies albaEuropean silver fir133 - FairA frodA frod661410607220040Malve domesticA pie123 - FairA frodA frod662405607220040Malve domesticA pie123 - FairA frodA frod663410607220040Malve domesticA pie123 - FairA frodA frod664410607220040Malve domesticA pie123 - FairA frodA frod665410607220040Malve domesticA pie12 <td>651</td> <td>397</td> <td>6072200440</td> <td>Tsuga heterophylla</td> <td>Western hemlock</td> <td>19</td> <td></td> <td>3 - Fair</td> <td>Remove</td>	651	397	6072200440	Tsuga heterophylla	Western hemlock	19		3 - Fair	Remove
633439607220040Tsuga heterophyllaWestern henlock17173 - FairHenrove654339607220040Tsuga heterophyllaWestern henlock163 - FairRemove655339607220040Ables albaEuropean silver fir8.53 - FairRemove656400607220040Ables albaEuropean silver fir12.53 - FairRemove657402607220040Ables albaEuropean silver fir13.53 - FairRemove658401607220040Ables albaEuropean silver fir13.53 - FairRemove659405607220040Ables albaEuropean silver fir13.63 - FairRemove660405607220040Ables albaEuropean silver fir13.63 - FairRemove661406607220040Ables albaEuropean silver fir13.63 - FairRemove662411607220040Ables albaEuropean silver fir13.63 - FairRemove663414607220040Pinuus alumSweet cherry133 - FairRemove664420607220040Pinu silverApple123 - FairRemove663414607220040Pinu silverApple123 - FairRemove664420607220040Pinu silverApple123 - FairRemove665420607220040Pinu silverAppl	652	407	6072200440	Abies alba	European silver fir	12.5		4 - Poo	r Remove
ColdSiseGOT/220040Ables albaEuropean silver fir8.53.1Service655400607220040Ables albaEuropean silver fir12.53.13.1Remove657402607220040Ables albaEuropean silver fir13.53.1ServiceRemove658401607220040Ables albaEuropean silver fir124.1ServiceRemove658405607220040Ables albaEuropean silver fir124.1ServiceRemove659406607220040Ables albaEuropean silver fir133.1Remove660405607220040Ables albaEuropean silver fir183.13.1Remove661410607220040Prunus aviumSweet cherry133.13.1Remove662414607220040Malus domesticaApple123.1ServiceRemove663414607220040Thuja plicataWestern red cedar143.1ServiceServiceService664420607220040Thuja plicataWestern red cedar123.1ServiceServiceService664420607220040Fluip alignataMestern red cedar12ServiceServiceServiceService665420607220040Fluip alignataMestern red cedar14ServiceServiceServiceService666420<	653	403	6072200440	Abies alba	European silver fir	17		3 - Fair	Remove
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BisAudBOTZ200440BotZ200440Abies albaEuropean silver fir13.53 - FairRemove6574026072200440Abies albaEuropean silver fir124 - PoorRemove6594066072200440Abies albaEuropean silver fir153 - FairRemove6604056072200440Abies albaEuropean silver fir183 - FairRemove6614106072200440Prunus aviumSweet cherry133 - FairRemove6624116072200440Malus domesticaApple123 - FairRemove6634146072200440Thuja plicataWestern red cedar143 - FairRemove6644206072200440Thuja plicataWestern red cedar123 - FairRemove6654226072200440Fluus nigraAustrian pine163 - FairRemove	655	399	6072200440	Abies alba	European silver fir	8.5		3 - Fair	Remove
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6594066072200440Abies albaEuropean silver fir IS183 - FairRemove6604056072200440Prunus aviumSweet cherry133 - FairRemove6614106072200440Malus domesticaApple123 - FairRemove6634146072200440Thuja plicataWestern red cedar143 - FairRemove6644206072200440Thuja plicataWestern red cedar323 - FairRemove6654226072200440Pinus nigraAustrian pine163 - FairRemove	658	401	6072200440	Abies alba	European silver fir	12		4 - Poo	r Remove
6604056072200440Prunus aviumSweet cherry133 - FairRemove6614106072200440Malus domesticaApple123 - FairRemove6634146072200440Thuja plicataWestern red cedar143 - FairRemove6644206072200440Thuja plicataWestern red cedar323 - FairRemove6654226072200440Pinus nigraAustrian pine163 - FairRemove	659	406	6072200440	Abies alba	European silver fir	15		3 - Fair	Remove
6014106072200440Nalus domesticaApple123 - FairRemove6624116072200440Thuja plicataWestern red cedar143 - FairRemove6634146072200440Thuja plicataWestern red cedar143 - FairRemove6644206072200440Thuja plicataWestern red cedar323 - FairRemove6644206072200440Pinus nigraAustrian pine163 - FairRemove6654226072200440Pinus nigraAustrian pine163 - FairRemove	660	405	6072200440	Abies alba	European silver fir	18		3 - Fair	Remove
6024116072200440Thuig plicataWestern red cedar143 - FairRemove6634206072200440Thuig plicataWestern red cedar323 - FairRemove6654226072200440Pinus nigraAustrian pine163 - FairRemove	661	410	6072200440	Prunus avium	Sweet cherry	13		3 - Fair	Remove
663     414     6072200440     Thuja plicata     Western red cedar     32     3 - Fair     Remove       664     420     6072200440     Pinus nigra     Austrian pine     32     3 - Fair     Remove       665     422     6072200440     Pinus nigra     Austrian pine     16     3 - Fair     Remove	662	411	6072200440	Malus domestica	Apple	12		3 - Fair	Remove
bb4     420     b072200440     Fair     Remove       665     422     6072200440     Pinus nigra     Austrian pine     16     3 - Fair     Remove	663	414	6072200440	Thuja plicata	Western red cedar	14		3 - Fair	Remove
005     422     00/2200440     -     -     10     5 - Fall     Relificitie	664	420	6072200440	Thuja plicata	Western red cedar	32		3 - Fair	Remove
666         421         6072200440         Thuja plicata         Western red cedar         22         3 - Fair         Remove	665	422	6072200440	Pinus nigra	Austrian pine	16		3 - Fair	Remove
	666	421	6072200440	Thuja plicata	Western red cedar	22		3 - Fair	Remove

668415607220440Thuja plicataWestern red cedar15133 - Fair669416607220440Thuja plicataWestern red cedar93 - Fair670418607220440Thuja plicataWestern red cedar164 - Poort671425607220450Acer palmatumJapanese maple17.52 - Good6724281951700140Prunus aviumSweet cherry101 - Excellent6734311951700130Pseudotsuga menziesiiDouglas fir214 - Poort6744321951700130Pseudotsuga menziesiiDouglas fir234 - Poort6754331951700300Pseudotsuga menziesiiDouglas fir214 - Poort6765041951700800Aesculus californiaCalifornia buckeye1033332 - Good677468195170800Aesculus californiaCalifornia buckeye1033332 - Good678467195170800Aesculus californiaCalifornia buckeye103333 - Fair678466195170800Aesculus californiaCalifornia buckeye123 - Fair679456195170800Aesculus californiaCalifornia buckeye123 - Fair679456195170800Aesculus californiaCalifornia buckeye123 - Fair680466195170800Aesculus californiaCalifor	Remove       Remove
100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       1	Remove
0.0 $1.3$ $0.0710000$ $1.7000$ $1.7000$ $671$ $425$ $607220450$ $Aeer palmatum$ $Japanese maple$ $17.5$ $2.6000d$ $672$ $428$ $1951700140$ Prunus avium       Sweet cherry $10$ $1.6000000000000000000000000000000000000$	Remove Remove Remove Remove Remove
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6724281951/00140Pseudotsuga menziesiiDouglas-fir 21214 - Poor6734311951/700130Pseudotsuga menziesiiDouglas-fir 15.515.54 - Poor6744321951/700130Pseudotsuga menziesiiDouglas-fir 21214 - Poor6754331951/700800Ilex aquifolumEnglish holly1033332 - Good6765041951/700800Aesculus californicaCalifornia buckeye1033332 - Good6784671951/700800Aesculus californicaCalifornia buckeye8.5553 - Fair6794561951/700800Aesculus californicaCalifornia buckeye103 - Sair3 - Fair6804661951/700800Aesculus californicaCalifornia buckeye103 - Fair3 - Fair6814651951/700800Aesculus californicaCalifornia buckeye1253 - Fair6814651951/700800Aesculus californicaCalifornia buckeye1253 - Fair6824581951/700800Prunus aviumSweet cherry8553 - Fair6834601951/700800Prunus aviumSweet cherry13553 - Fair6834601951/700800Prunus aviumSweet cherry13553 - Fair6834601951/700800Prunus aviumSweet cherry	Remove Remove Remove
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6774881951700800Assulus californicaCalifornia buckeye8.53 - Fair6784671951700800Robinia pseudoacaciaBlack locust12.53 - Fair6804661951700800Aesculus californicaCalifornia buckeye103 - Fair6814651951700800Aesculus californicaCalifornia buckeye123 - Fair6824581951700800Prunus aviumSweet cherry83 - Fair6834601951700800Prunus aviumSweet cherry133 - Fair	Remove
6784671951700800Robinia pseudoacaciaBlack locust12.53 - Fair6794561951700800Aesculus californicaCalifornia buckeye103 - Fair6804661951700800Aesculus californicaCalifornia buckeye103 - Fair6814651951700800Aesculus californicaCalifornia buckeye123 - Fair6824581951700800Prunus aviumSweet cherry83 - Fair6834601951700800Prunus aviumSweet cherry133 - Fair	Retain
6/94561951700800Aesculus californicaCalifornia buckeye103 - Fair6804661951700800Aesculus californicaCalifornia buckeye123 - Fair6814651951700800Aesculus californicaCalifornia buckeye123 - Fair6824581951700800Prunus aviumSweet cherry83 - Fair6834601951700800Prunus aviumSweet cherry133 - Fair	Retain
680     466     1951700800     Aesculus californica     California buckeye     12     3 - Fair       681     465     1951700800     Prunus avium     Sweet cherry     8     3 - Fair       683     460     1951700800     Prunus avium     Sweet cherry     13     3 - Fair	Remove
681     465     1951700800     12     3 - Fair       682     458     1951700800     Prunus avium     Sweet cherry     8     3 - Fair       683     460     1951700800     Prunus avium     Sweet cherry     13     3 - Fair	Retain
682     458     1951/00800     8     3 - Pair       683     460     1951/00800     Prunus avium     Sweet cherry     13     3 - Fair	Retain
683 460 1951/00800 13 3 - Fair	Remove
684 461 1951700800 Sciadopitys verticillata Umbrella pine 11 3 - Fair	Remove
	Remove
685         513         1951700790         Malus domestica         Apple         8         2 - Good	Remove
686         528         1951700780         Thuja occidentalis         Eastern arborvitae         12         2 - Good	Remove
687     529     1951700780     Thuja occidentalis     Eastern arborvitae     9     2 - Good	Remove
688     527     1951700780     Thuja occidentalis     Eastern arborvitae     9     2 - Good	Remove
689         531         1951700780         Thuja occidentalis         Eastern arborvitae         9         2 - Good	Remove
690         530         1951700780         Thuja occidentalis         Eastern arborvitae         8         2 - Good	Remove
691         517         1951700780         Prunus sp.         Plum or cherry         11         2 - Good	Remove
692         534         1951700770         Prunus avium         Sweet cherry         13         3 - Fair	Remove
693         538         6308000370         Pseudotsuga menziesii         Douglas-fir         10         4 - Poor	Remove
694         537         6308000370         Picea sp.         Spruce species         10.5         4 - Poor	Remove
695         536         6308000370         Picea sp.         Spruce species         11         4 - Poor	Remove
696         535         6308000370         Pseudotsuga menziesii         Douglas-fir         13         3 - Fair	Remove
697         549         1951700740         Thuja plicata         Western red cedar         32         4 - Poor	Remove
698         550         1951700740         Pseudotsuga menziesii         Douglas-fir         24         4 - Poor	Remove
699         551         1951700740         Abies grandis         Grand fir         15.5         4 - Poor	Remove
700         552         1951700740         Picea sp.         Spruce species         12         4 - Poor	
701         556         1951700740         Thuja plicata         Western red cedar         9.5         3 - Fair	Remove
702         562         1951700740         Tsuga heterophylla         Western hemlock         14         4 - Poor	Remove Remove
703         563         1951700740         Tsuga heterophylla         Western hemlock         12         4 - Poor	

M     M     Mathematical Market Mark	704	564	1951700740	Thuja plicata	Western red cedar	15.5				4 - Poor	Remove
International and the sensitive sensitive took of a sensitive sensita	705	565	1951700740	Thuja plicata	Western red cedar	10.5				4 - Poor	Remove
100     101     101     101     100     1000       101     101     1010     1010     1010     1000     1000       101     101     10100     1000     1000     1000     1000       101     101     101000     1000     1000     1000     1000       101     101     101000     1000     1000     1000     1000       101     101000     101000     1000     1000     1000     1000       101     101000     1010000     1000     1000     1000     1000       101     1010000     1010000     1000     1000     1000     1000       101     1010000     1000000     1000000     1000000     1000000     1000000       101     10100000000     100000000000     100000000000     100000000000000     100000000000000000       101     1010000000000000000000000000000000000	706	566	1951700740	Thuja plicata	Western red cedar	14				4 - Poor	Remove
1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1     1.1 <td>707</td> <td>572</td> <td>1951810080</td> <td>Pseudotsuga menziesii</td> <td>Douglas-fir</td> <td>10</td> <td></td> <td></td> <td></td> <td>4 - Poor</td> <td>Remove</td>	707	572	1951810080	Pseudotsuga menziesii	Douglas-fir	10				4 - Poor	Remove
no.       no.       no.       no.       no.       no.       no.         111       121       21       121.0000       Sak Usingh       Polic video       2       3.1       Renor         121       310       124.0000       Sak Usingh       Polic video       2       3.1       Renor         121       310       124.0000       Sak Usingh       Polic video       2       3.1       Renor         123       317       151.0000       Polic video       Inder Servide       2       2.1       Renor         124       40       151.0010       Polic video       Renor       1       Renor       1       Renor         125       61       151.0010       Polic video       Renor Renor       1       1       Renor       1       Renor         126       44       151.0010       Polic video       Renor Renor       1       1       Renor       1       Renor       1       Renor         127       284       151.0010       Polic video       Renor Renor       1       1       Renor       1       Renor         128       481       151.0000       Renor Renor       1       1       1       1       <	708	567	1951700740	Malus domestica	Apple	11				3 - Fair	Retain
Init       This	709	569	1951810080	Thuja sp.	Cedar species	9				2 - Good	Retain
12 $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$ $12$	710	578	1951810090	Pyrus pyrifolia	Asian pear	8.8				3 - Fair	Retain
$11^{10}$ $30^{10}$ $10^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$ $11^{10}$	711	581	1951810090	Salix lasiandra	Pacific willow	10				3 - Fair	Remove
1.14       1.14       1.14       1.14       1.14       1.14         7.14       1.14       1.14       1.14       1.14       1.14         7.14       1.4       1.4       1.4       1.4       1.44       1.44       1.44       1.44       1.44       1.44         7.15       0.14       1.5111111       1.144       1.144       1.44       1.44       1.44       1.44         7.16       0.151       1.5111111       1.144       1.144       1.144       1.144       1.144       1.144         7.17       0.15       1.5111111       1.144       1.144       1.144       1.144       1.144       1.144         7.17       0.1511111       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144       1.144	712	580	1951810090	Salix lasiandra	Pacific willow	17				3 - Fair	Remove
114 $124$ $12$ $12$ $12$ $12$ $14$ $14$ and $14$	713	577	1951810090	Pseudotsuga menziesii	Douglas-fir	24.4				3 - Fair	Remove
1218 $1218$ $1218$ $1218$ $1218$ $1218$ $1218$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $1218000$ $12180000$ $12180000$ $12180000$ $12180000$ $12180000$ $12180000$ $12180000$ $121800000$ $121800000$ $121800000$ $1218000000$ $121800000000000000000000000000000000000$	714	616	1951810110	Thuja occidentalis	Eastern arborvitae	8				2 - Good	Remove
12       13       13       13       14       14       14       14       14       14         12       7.0       153       153       153       15       1.600       Renve         13       66       1355200       Renve metal       Tarafe       1.8       1.600       Renve         13       66       1355200       Renve metal       Tarafe       1.8       1.600       Renve         13       66       1355200       Renve metal       Tarafe       1.8       1.600       Renve         13       66       1355200       Renve metal       Renve metal       1.2       1.610       Renve         12       60       1355200       Renve metal       Renve metal       1.2       1.610       Renve         12       60       1355200       Renve metal       1.2       1.610       Renve       1.610       Renve         12       60       1355200       Renve metal       1.610       1.2       1.610       Renve       1.610       Renve         12       15       155500       Renve metal       1.610       1.2       1.610       Renve       1.610       Renve         12       153	715	615	1951810110	Thuja occidentalis	Eastern arborvitae	8				2 - Good	Remove
11       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12 <th12< th="">       12       12       <th< td=""><td>716</td><td>614</td><td>1951810110</td><td>Thuja occidentalis</td><td>Eastern arborvitae</td><td>8</td><td></td><td></td><td></td><td>2 - Good</td><td>Remove</td></th<></th12<>	716	614	1951810110	Thuja occidentalis	Eastern arborvitae	8				2 - Good	Remove
170       0.00       1.10       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.100       0.1	717	705	1951810120	Betula pendula	European white birch	8.8				2 - Good	Remove
170       063       17100       0.4 rouge       183       17000       0.4 rouge	718	666	1951830100	Pseudotsuga menziesii	Douglas-fir	8.4				3 - Fair	Remove
17.1       0.4       17.1       0.4       17.1       0.4       17.1       0.4       17.1       0.4       17.1       0.4       17.1       0.4       17.1       0.4       17.1       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4	719	663	1951830100	Abies grandis	Grand fir	15.8				4 - Poor	Remove
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112       0x0       12 statute	721	661	1951830100	Pinus nigra	Austrian pine	13.2				3 - Fair	Remove
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741	92	3425059010	×Hesperotropsis leylandii	Leyland cypress	9			2 - Good	Remove
742	3875	1024059130	Alnus rubra	Red alder	8			4 - Poor	Remove
743	32	3425059010	×Hesperotropsis leylandii	Leyland cypress	14			2 - Good	Remove
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745	3873	1024059130	Alnus rubra	Red alder	10			4 - Poor	Remove
746	71	1024059119	Salix babylonica	Weeping willow	20			3 - Fair	Retain
747	70	2225059272	Pseudotsuga menziesii	Douglas-fir	13			4 - Poor	Remove
748	3906	1024059130	Acer macrophyllum	Bigleaf maple	10			2 - Good	Retain
749	3902	1024059130	Alnus rubra	Red alder	9			3 - Fair	Retain
750	3898	1024059130	Alnus rubra	Red alder	9.5			3 - Fair	Retain
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756	3908	1024059130	Acer macrophyllum	Bigleaf maple	18			3 - Fair	Retain
757	3907	1024059130	Acer macrophyllum	Bigleaf maple	9.8			3 - Fair	Retain
758	3911	1024059130	Alnus rubra	Red alder	12			4 - Poor	Remove
759	3910	1024059130	Arbutus menziesii	Pacific madrone	10			2 - Good	Remove
760	2295	324059066	Alnus rubra	Red alder	8.4			3 - Fair	Retain
761	2296	3425059010	×Hesperotropsis leylandii	Leyland cypress	14			2 - Good	Remove
762	2297	3425059010	×Hesperotropsis leylandii	Leyland cypress	14			2 - Good	Remove
763	2298	3425059010	×Hesperotropsis leylandii	Leyland cypress	18			2 - Good	Remove
764	2299	3425059010	×Hesperotropsis leylandii	Leyland cypress	12.5			2 - Good	Remove
765	3347	1024059130	Alnus rubra	Red alder	9			3 - Fair	Retain
766	2153	7811210180	×Hesperotropsis leylandii	Leyland cypress	8.8			3 - Fair	Retain
767	2154	7811210180	Prunus serrulata	Japanese flowering cherry	8.6			3 - Fair	Retain
768	3884	1024059130	Alnus rubra	Red alder	9			2 - Good	Remove
769	3885	1024059130	Alnus rubra	Red alder	8			4 - Poor	Retain
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771	3887	1024059130	Alnus rubra	Red alder	9			3 - Fair	Retain
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776	3892	1024059130	Alnus rubra	Red alder	9	4		3 - Fair	Retain
777	3891	1024059130	Alnus rubra	Red alder	11			3 - Fair	Retain

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795         2655         1524059005         Quercus palustris         Pin oak         13.2         2 - Good	Retain
	Retain
796         2677         1524059005         Pinus pungens         Table mountain pine         10.8         3 - Fair	Retain
797         2714         1524059032         Pinus nigra         Austrian pine         12.7         2 - Good	Retain
798         2562         2206500240         Malus domestica         Apple         12.4         3 - Fair	Retain
799         2531         1024059123         Populus balsamifera         Black cottonwood         9         4 - Poor	Retain
800         2758         7856640010         Thuja plicata         Western red cedar         8.4         3 - Fair	Retain
801         2760         7856640020         Pseudotsuga menziesii         Douglas-fir         12.4         3 - Fair	Retain
802         2787         7856640020         Thuja plicata         Western red cedar         10.8         4 - Poor	Retain
803         2776         7856640020         Prunus avium         Sweet cherry         11.8         3 - Fair	Retain
804         2800         7856640020         Pseudotsuga menziesii         Douglas-fir         14.6         4 - Poor	Retain
805         2801         7856640020         Acer macrophyllum         Bigleaf maple         8         4 - Poor	Retain
806         2815         7856640030         Acer macrophyllum         Bigleaf maple         8.6         3 - Fair	Retain
807         2814         7856640030         Acer macrophyllum         Bigleaf maple         10.2         3 - Fair	Retain
808         3609         2600010580         Pseudotsuga menziesii         Douglas-fir         16.6         4 - Poor	Retain
809         3575         2600010620         Cedrus deodara         Deodar cedar         19.8         4 - Poor	Retain
810         3574         2600010620         Cedrus deodara         Deodar cedar         16.7         4 - Poor	Retain
811         3579         2600010620         Cedrus deodara         Deodar cedar         26         4 - Poor	Retain
812 3584 2600010620 Acer macrophyllum Bigleaf maple 9 3 - Fair	Doto!:-
813         3587         2600010630         Arbutus menziesii         Pacific madrone         10.9         3 - Fair	Retain
814         3588         2600010630         Acer macrophyllum         Bigleaf maple         8.6         2 - Good	Retain

Mat     Stat     Static Statis Statis Statis     Audio Statis     Statis     1.4 Audio     1.4 Audio       Mat     Statis     Statis Statis     Statis     Statis     1.4 Audio       Mat     Math     Statis     Statis     Statis     1.4 Audio       Mat     Math     Statis     Statis     Statis     1.4 Audio       Mat     Math     Statis     Statis     Statis     Statis       Mat     Statis     Statis     Statis     Statis     Statis    <	815	3591	2600010630	Pseudotsuga menziesii	Douglas-fir	9			4 - Poor	Retain
Act     Act     Act Advance	816	3592	2600010630	Pseudotsuga menziesii	Douglas-fir	15.5			4 - Poor	Retain
14       14       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	817	3603	7855801540	Acer platanoides	Norway maple	13.1			3 - Fair	Retain
1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	818	3602	7855801540	Acer platanoides	Norway maple	12			3 - Fair	Retain
11       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12       12 <th< td=""><td>819</td><td>440</td><td>1951700130</td><td>Thuja plicata</td><td>Western red cedar</td><td>28.5</td><td></td><td></td><td>2 - Good</td><td>Retain</td></th<>	819	440	1951700130	Thuja plicata	Western red cedar	28.5			2 - Good	Retain
1112121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212121212 <td>820</td> <td>568</td> <td>1951810080</td> <td>Populus balsamifera</td> <td>Black cottonwood</td> <td>47</td> <td>34</td> <td></td> <td>2 - Good</td> <td>Retain</td>	820	568	1951810080	Populus balsamifera	Black cottonwood	47	34		2 - Good	Retain
Lit       L	821	620	1951810120	Betula pendula	European white birch	10.1			2 - Good	Remove
11111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111	822	256	2124059001	Alnus rubra	Red alder	8.5			2 - Good	Retain
181.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.01.	823	241	2124059001	Pseudotsuga menziesii	Douglas-fir	11			3 - Fair	Remove
Ast       All all Markade       Marge marked       Real       All all marked         45 $319$ 124092001       PauloStug marked $1000$ $91$ $21$ 427 $170$ 124092001       PauloStug marked $116$ $116$ $4.7eor$ $64ch$ 588 $374$ 124092001       Man ruh       Rel adr $116$ $3.7et$ $3.7et$ $8ch$ 509 $378$ 124092001       Man ruh       Rel adr $116$ $3.7et$ $3.7et$ $8ch$ 510 $378$ 124092001       Man ruh       Rel adr $21$ $64ch$ $64ch$ 511 $572$ 124092001       Man ruh       Rel adr $21$ $64ch$ $64ch$ $64ch$ 513 $574$ 12409201       Man ruh       Rel adr $21$ $64ch$ $64ch$ $64ch$ 513 $574$ 12409201       Man ruh       Rel adr $21$ $64ch$ $64ch$ $64ch$ 514 $574$ 12409201       Man ruh       Rel adr $21$ $64ch$ $64ch$ $64ch$ $64ch$	824	237	2124059001	Alnus rubra	Red alder	9.5			2 - Good	Remove
1.11.11.11.11.11.12.23784212605001Atou rubaRetalder1.11.13.1 fairRetain2.83784212605001Atou rubaRet alder1.11.13.1 fairRetain2.81212605001Atou rubaRet alder1.11.13.1 fairRetain2.82212605001Atou rubaRet alder1.13.13.1 fairRetain3.91212605001Atou rubaRet alder1.13.13.1 fairRetain3.91212605001Atou rubaRet alder1.13.13.1 fairRetain3.91212605001Atou rubaRetain1.13.13.1 fairRetain3.92212605001Atou rubaRetain1.13.14.9 foorRetain3.933.92212605001Atou rubaRetain1.14.9 foor4.9 foorRetain3.93212605001Atou rubaRetain1.13.1 fairRetain4.9 foorRetain3.93212605001Atou rubaRetain1.1 fair3.1 fairRetain3.93212605001Atou rubaRetain1.1 fair3.1 fairRetain3.94212605001Atou rubaRetain1.2 fair4.9 foor4.9 foor3.94212605001Atou rubaRetain1.2 fair4.9 foor4.9 foor4.95212605001Atou rubaRetain1.2 fair4.9 fo	825	218	2124059001	Acer platanoides	Norway maple	9.5			3 - Fair	Remove
130 $124$ $1240001$ Alter rubaRef after $11$ $1$ $1$ -ruba	826	219	2124059001	Acer platanoides	Norway maple	12			3 - Fair	Retain
LA         Link         Link         Link         Link           LP2         734         L1205001         Ans nahz         Ref after         1.18         3.4 av         Ref after           LP3         734         L1205001         Ans nahz         Ref after         1.8         3.4         Ref after           LP3         737         L1205001         Ans nahz         Ref after         2.1         3.4         Ref after           LP3         737         L1205001         Ans nahz         Ref after         3.1         Ref after           LP3         737         L1205001         Ans nahz         Ref after         9.3         1.1         1.1 foor         Ref after           LP3         737         L1205001         Ans nahz         Ref after         9.3         1.1         1.1 foor         Ref after           LP3         737         L1205001         Ans nahz         Ref after         1.1         1.1 foor         Ref after           LP3         737         L1205001         Ans nahz         Ref after         1.7         1.1 foor         Ref after           LP3         12205001         Ans nahz         Ref after         1.7         1.1 foor         Ref after <tr< td=""><td>827</td><td>3785</td><td>2124059001</td><td>Pseudotsuga menziesii</td><td>Douglas-fir</td><td>9.3</td><td></td><td></td><td>4 - Poor</td><td>Retain</td></tr<>	827	3785	2124059001	Pseudotsuga menziesii	Douglas-fir	9.3			4 - Poor	Retain
$128$ $1180$ $11800300$ Altur toke $164$ ale $121$ $1180$ $17400$ $18400$ $120$ $21265001$ Altur tokeAlsi ale $121$ $3.7400$ $3.7400$ $8.6400$ $120$ $21265001$ Altur tokeAlsi ale $9.7$ $4.7600$ $4.7600$ $8.6400$ $120$ $21265001$ Altur toke $8.6480^{-1}$ $9.7$ $4.7600$ $4.7600$ $8.6400^{-1}$ $120$ $21265001$ Alter ale $8.6480^{-1}$ $9.7$ $4.7600^{-1}$ $8.6760^{-1}$ $120$ $21265001$ Alter ale $8.6480^{-1}$ $1.0$ $4.7600^{-1}$ $8.6760^{-1}$ $120$ $21265501$ Alter ale $9.6480^{-1}$ $1.7$ $4.7600^{-1}$ $8.6760^{-1}$ $120$ $21265501$ Alter ale $1.660^{-1}$ $1.7$ $4.7600^{-1}$ $8.640^{-1}$ $120$ $21265501$ Alter ale $8.6440^{-1}$ $1.7$ $4.7600^{-1}$ $8.640^{-1}$ $120$ $21265500^{-1}$ $8.60$	828	3784	2124059001	Alnus rubra	Red alder	11.1			3 - Fair	Retain
8.8       5.8       6.7       8.7       8.7       8.7       8.7       8.7       8.7       8.14       8.7       8.1         8.81       9.72       2.24655001       Alors nbr       Relatin       9.7       4.7607       Relatin         8.82       3.72       2.24655001       Alors nbr       Relatin       9.7       4.7607       Relatin         8.3       372       2.24655001       Alors nbr       Rel adder       9.3       4.7607       Relatin         8.3       372       2.24655001       Alors nbr       Rel adder       9.3       4.7607       Relatin         8.3       379       2.24655001       Alors nbr       Rel adder       1.1       4.7607       Relatin         8.3       378       2.24655001       Alors nbr       Rel adder       1.6       3.764       4.7607       Relatin         8.4       378       2.24655001       Alors nbr       Rel adder       1.6       3.764       9.764       Relatin         8.4       378       2.24655001       Alors nbr       Rel adder       1.6       3.764       Relatin         8.4       665       19.1180100       Salt sculariana       Scular's willlow       1.29       3.76	829	3783	2124059001	Alnus rubra	Red alder	11.8			3 - Fair	Retain
$31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $31/4$ $41/60^{-1}$ Reinove         833 $372$ $21205001$ Acr nacoghylun       Rei de'r $3.7$ $1.6^{-100'}$ Reinove         845 $373$ $21205001$ Acr nacoghylun       Rei de'r $1.7$ $4.700'$ Reinove         856 $377$ $21205001$ Acr nacoghylun       Rei de'r $1.7$ $4.700'$ Reinove         837 $378$ $21205001$ Acr nacoghylun       Rei de'r $1.7$ $4.700'$ $8.61n'$ 838 $377$ $212050010$ Acr nacoghylun       Rei de'r $1.7$ $4.700'$ $8.61n'$ 840 $378$ $212050010$ Anor rub'r       Rei de'r $1.7$ $6.61n'$ $8.61n'$ 841 $352$ $60720040$ Pinto Inf'r       Comono Juninor $1.61'$	830	3780	2124059001	Alnus rubra	Red alder	9.3			3 - Fair	Retain
8.37 $212405901$ Arr macrophylumBjest maje $3$ $4$ -PoorArr macrophylum $833$ $372$ $212405901$ Alma nbraRed aldar $9$ .3 $4$ -PoorRemove $834$ $374$ $212405901$ Alma nbraRed aldar $9.3$ $4$ -PoorRemove $835$ $373$ $212405901$ Alma nbraRed aldar $12.7$ $4$ -PoorRetain $836$ $379$ $212405901$ Alma nbraRed aldar $12.7$ $4$ -PoorRetain $837$ $378$ $212405901$ Alma nbraRed aldar $12.7$ $3$ -PoorRetain $838$ $379$ $212405901$ Alma nbraRed aldar $12.7$ $3$ -PoorRetain $838$ $379$ $212405901$ Alma nbraRed aldar $12.7$ $3$ -PoorRetain $838$ $379$ $212405901$ Alma nbraRed aldar $12.7$ $3$ -PoorRetain $838$ $379$ $212405901$ Alma nbraRed aldar $12.7$ $3$ -PoorRetain $843$ $379$ $212405901$ Alma nbraRed aldar $12.7$ $3$ -PoorRetain $844$ $379$ $53183010$ Sala scoulerianScouler's wilow $23$ $3$ -PoorRetain $844$ $339$ $607220540$ Pine segaAut'an pine $16$ $4$ -PoorRetain $844$ $309$ $73580030$ Alma mentelli $916$ $15.7$ $4$ -PoorRetain $844$ $309$ $73580004$ Pined sega fersi	831	3782	2124059001	Alnus rubra	Red alder	12.1			3 - Fair	Retain
$3 \ 3 \ 72 \ 72 \ 72 \ 72 \ 72 \ 72 \ 72$	832	3787	2124059001	Salix lasiandra	Pacific willow	9.7			4 - Poor	Retain
$83^{1}$ $12400001$ Ater macrophyliumBigker maple1 $4$ -hourHeam $83^{2}$ $393^{2}$ $212005001$ Alnus rubrRed afer127 $4$ -hour $4$ -hourRed ain $84^{2}$ $379^{2}$ $212005001$ Alex macrophyliumBigket maple117 $3$ -fairRed ain $84^{3}$ $379^{2}$ $212005001$ Alex macrophyliumBigket maple117 $3$ -fairRetain $84^{3}$ $379^{2}$ $212005001$ Alex macrophyliumBigket maple129 $3$ -fairRetain $84^{3}$ $665$ 195130100Salk scollerianaScoller's willow $3$ $3$ $3$ -fairRetain $84^{4}$ $633$ 6072200500Juliperus communityCommon juriper $2_{3}$ $3$ -fairRetain $84^{4}$ $335$ 6072200401Pice a pungent var: glauxColleriand bus spruce $19$ $3$ $3$ -fairRetain $84^{4}$ $332$ 6072200401Pice a pungent var: glauxColleriand bus spruce $16$ $4$ -foor $4$ -foorRetain $84^{4}$ $330$ 735500000Picudotuga meriterilDougla-fr $122$ $4$ -foor $4$ -foorRetain $84^{4}$ $306$ 735500000Picudotuga meriterilDougla-fr $122$ $4$ -foor $4$ -foorRetain $84^{4}$ $306$ 735500000Picudotuga meriterilDougla-fr $122$ $4$ -foor $4$ -foorRetain $84^{4}$ $306$ 755500040Picudotuga meriteril	833	3792	2124059001	Acer macrophyllum	Bigleaf maple	13			4 - Poor	Remove
Asso         Arrow         Anus rubra         Red alder         1.1         A row         Rednove           836         3797         2124055001         Acer macrophyllum         Biglaf maple         1.7         3.7         3.798         2124055001         Acer macrophyllum         Biglaf maple         1.7         3.7         3.798         2124055001         Acer macrophyllum         Biglaf maple         1.6         3.7         3.7         Retain           838         3789         2124055001         Anus rubra         Red alder         1.6         3.7         Anus rubra         Retain           849         665         195183000         Salu scouleriana         Scouler's willow         12.9         2.6         Good         Retain           841         335         6072200560         Juniperus communits         Colorado blue spruce         19         2.6         Good         Retain           842         375         607220040         Plnus nigra         Austrian plne         16.7         4.Poor         Retain           843         392         60720040         Plnus nigra         Austrian plne         16.7         4.Poor         Retain           844         3089         7855800000         Pseudotsuga mentiesii         <	834	3794	2124059001	Alnus rubra	Red alder	9.3			4 - Poor	Retain
Asia       Arr More       Arr More       Retain         837       3798       2124069001       Acer macrophyllum       Red alder       1.7       3. Fair       Retain         837       3789       2124059001       Alus rubra       Red alder       1.7       3. Fair       Retain         838       3789       2124059001       Alus rubra       Red alder       1.6       3. Fair       Retain         840       665       195183000       Salix scouleriana       Scouler's willow       8       2. Good       Retain         840       664       195183000       Salix scouleriana       Scouler's willow       8       3. Fair       Retain         841       335       607220040       Juniperus communis       Colorado blue spruce       19       2. Good       Remove         843       332       607220040       Pinus nigra       Austrian pine       16       4. Poor       Retain         844       3089       785800040       Pinus nigra       Austrian pine       16.7       3. Fair       Retain         845       3103       785800040       Pinutus menziesii       Duglas fir       19.5       4. Poor       Retain         846       3106       785800040	835	3793	2124059001	Acer macrophyllum	Bigleaf maple	11			4 - Poor	Remove
357 $3780$ $12403001$ Alus rubraRed aler $11.7$ $3 + 7ai$ $3 + rai$ $3 +$	836	3797	2124059001	Alnus rubra	Red alder	12.7			4 - Poor	Retain
AssAstAstronomAstronomAstronomAstronomAstronomAstronom8396651951830100Salix scouler's willow32.92.600dRemove8406941951830100Salix scouler'anaScouler's willow83.7 Astronom3.7 AstronomAstronom8413356072200360Juniperus communisColorado blue spruce193.7 Astronom3.7 AstronomAstronom8423756072200400Picea pungens var. glaucaColorado blue spruce192.6 GoodRemove8433926072200400Pinus nigraAustria pine164.7 PoorRemove8443089785580030Pinus merciesiiParific matrono19.54.7 PoorRemove8453103785580040Pieudotsuga menciesiiDouglas fir12.24.7 PoorRetain8463105785580040Pieudotsuga menciesiiDouglas fir12.24.7 PoorRetain8473107785580040Pieudotsuga menciesiiDouglas fir12.24.7 PoorRetain8483058785641010Pinus contortaShore pine9.34.7 PoorRetain849337785641010Pinus contortaShore pine15.32.6 GoodRemove849337785610100Pinus thunbergiiJapanese black pine15.32.6 GoodRemove8493397855003010Chamaecyparis lawsonianiaLawson faleecypresi	837	3798	2124059001	Acer macrophyllum	Bigleaf maple	11.7			3 - Fair	Retain
AssAssAssA codeA codeA code440694195183000Salix scoulerianaScouler's willow83 - FairRetain481335607220040Juniperus communisCommon juniper233 - FairRetain482375607220040Picea pungens var. glaucaColorado blue spruce192 - GoodRemove48430897855800030Arbutus menziesiiPacific madrone16.73 - FairRetain48430897855800040Pisu olizy amenziesiiDouglas-fir19.54 - PoorRemove48631067855800040Pisudotsuga menziesiiDouglas-fir12.24 - PoorRetain48731077855800040Pisudotsuga menziesiiDouglas-fir12.24 - PoorRetain48430887855410010Pisudotsuga menziesiiDouglas-fir12.24 - PoorRetain48430877855800040Pisudotsuga menziesiiDouglas-fir12.24 - PoorRetain48430587855410010Pinus contortaShore pine9.34 - PoorRetain48430587856410010Pinus contortaShore pine15.32 - GoodRemove4843057785641000Pinus nigatJapanese black pine15.32 - GoodRemove4843058785641000Pinus nigatJapanese black pine15.32 - GoodRemove4843058785600303 <td>838</td> <td>3789</td> <td>2124059001</td> <td>Alnus rubra</td> <td>Red alder</td> <td>16</td> <td></td> <td></td> <td>3 - Fair</td> <td>Retain</td>	838	3789	2124059001	Alnus rubra	Red alder	16			3 - Fair	Retain
add6941918 at 0.0019 to 18 at 0.00A retainRetain8413356072200360Junperus communisCommon juniper233 - FairRetain8423756072200400Picea pungens var; glaucaColorado blue spruce192 - GoodRemove8433926072200400Pinus nigraAustrian pine164 - PoorRetain84430897855800030Arbutus menziesiiPadific madrone16.73 - FairRetain84531037855800040Pseudotsuga menziesiiDouglas-fir19.54 - PoorRetain84631067855800040Pseudotsuga menziesiiDouglas-fir12.24 - PoorRetain84731077855800040Pseudotsuga menziesiiDouglas-fir17.64 - PoorRetain84830587856410010Pinus contortaShore pine9.34 - PoorRetain84933377856410010Pinus thubergiiJapanese black pine15.32 - GoodRemove84933778500310Chamaecyparis lawsonianaLawson falsecypress12.52 - GoodRemove	839	665	1951830100	Salix scouleriana	Scouler's willow	12.9			2 - Good	Remove
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852	2705	1524059032	Prunus serrulata	Japanese flowering cherry	8			1- Excellent	Remove
853	2706	1524059032	Laurus nobilis	Bay laurel	9			4- Poor	Remove
854	2725	1524059032	Prunus domestica	Common plum	8			4- Poor	Remove
855	3403	7855801670	×Hesperotropsis leylandii	Leyland cypress	11			1- Excellent	Remove
856	3404	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
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858	3406	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
859	3407	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
860	3408	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
861	3409	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
862	3410	7855801670	×Hesperotropsis leylandii	Leyland cypress	10			1- Excellent	Remove
863	3411	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
864	3412	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
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866	3414	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
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868	3416	7855801670	×Hesperotropsis leylandii	Leyland cypress	9			1- Excellent	Remove
869	3417	7855801670	×Hesperotropsis leylandii	Leyland cypress	10			1- Excellent	Remove
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871	3419	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
872	3420	7855801670	×Hesperotropsis leylandii	Leyland cypress	8			1- Excellent	Remove
873	3801	2124059001	Alnus rubra	Red alder	8			1- Excellent	Remove
874	3799	2124059001	Acer macrophyllum	Bigleaf maple	8.2			1- Excellent	Remove
875	20271	No parcel number (ROW)	Acer macrophyllum	Bigleaf maple	10			1- Excellent	Remove

#### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Friday, October 26, 2018 4:47 PM
To:	Bedwell, Heidi
Subject:	RE: Additional Comment Response needed
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi, please see the responses below.

Brad

From: Bedwell, Heidi [mailto:HBedwell@bellevuewa.gov]
Sent: Wednesday, October 10, 2018 11:21 AM
To: Strauch, Bradley
Subject: Additional Comment Response needed

Hi Brad,

This message pertains to your letter dated September 21, 2018 sent in response to the city's request for additional information about your peak loads. On June 8, 2018 PSE sent letters to several Cities on the eastside stating that their peak customer demand projections, which were the basis for determining the need for the Energize Eastside project, had been exceeded in the summer of 2017. In your response to City of Bellevue requests for data showing this growth you indicated that the kind of information requested could not be provided. As we discussed on October 9, 2018, there are some details that would help us better understand the letter and the circumstances that led to the 2017 peak demand.

 Please indicate which load forecast scenario the June 8 letter refers to when it says "peak demand increased faster than modeled and our actual 2017 summer peak demand exceeded our load forecast for summer 2018". We presume this refers to load forecasts in the 2015 Supplemental Eastside Needs Assessment Report. If this is correct, please indicate which threshold was exceeded.

Yes, PSE was referring to the load forecast utilized in the 2015 Supplemental Eastside Needs Assessment Report. The 2015 Needs Assessment, is based on the 2014 load forecast wherein Table 3-2, Summer Power Flow Summary Comparison, showed a forecasted 2018 summer area load of 3,625 MW with 100% conservation. At this level the table shows that various equipment overloads would occur during certain planning contingencies, which are required to be tested by federal planning standards (TPL-001-4). PSE's planning studies show that area peak summer power demand levels above the 3,625 MW, under certain contingencies, would result in overloads on eastside equipment, which could result in the use of Corrective Action Plans, which includes load shedding.

On August 3, 2017, the PSE area peak demand exceeded PSE's 2014 summer forecast – one year earlier than projected. PSE monitors the area peak in real time. However, it is important to note that the forecasted area peak load-- not actual data from a single year-- is the input used in PSE's planning studies. This is relevant because the federally mandated planning standards, NERC TPL-001-004, require that the system be assessed at forecasted peak load over various system conditions under a range of probable contingencies (e.g., transmission line going offline due to a tree branch). Here, PSE's planning studies showed a violation of the mandatory performance requirements where the forecasted peak load level was 3,625 MW. In the 2015 Needs Assessment, the load causing violations of planning standards was forecasted to occur in 2018. The actual peak area load level exceeded 3,625 MW in 2017; therefore, PSE is assuming additional risk to the reliability of the electrical system, which is what the planning studies are designed to prevent. Again, PSE's system planning studies comply with federal planning standards and use peak area forecasting as an input for the studies. As the City knows, PSE's planning methodology has been independently verified by the City's technical experts (including an analysis of Eastside-specific electricity demand) and as part of the EIS process – these demonstrate that the Energize Eastside project is needed. Additionally, the Federal Energy Regulatory Commission confirmed that PSE follows the federal transmission planning process.

2. Please provide information on what contributed to this peak load, including high temperatures, duration of the heat wave, and other conditions that led to higher than expected demand. To the extent that it can be determined, please provide information on where the higher than expected demand occurred.

PSE did not perform analysis of the electrical loads around the August 3, 2017 peak; therefore, we cannot draw specific conclusions about that event. However, PSE typically sees summer peak events occurring after consecutive hot days. For example, the 2017 summer peak occurred following three hot (92°F) consecutive week days with associated relatively high (68°F) night temperatures.

With increased temperatures, it is reasonable that increased air conditioning usage was a likely contributor. One of the key findings in the NW Power and Conservation Council's 7th Power Plan, was that increasing air conditioning use is a contributor to increasing summer peak loads. The Northwest Energy Efficiency Alliance's 2011-12 Residential Building Stock Assessment (RSBA) found that 34.4% (+/-3.4%) of single-family homes had mechanical cooling equipment. In comparison, the 2016-17 RSBA found that the number of single family homes with mechanical cooling equipment increased to 52.3% (+/-4.5%) across Washington state.

Additionally, we are seeing an increase in customer count in the service territory each year, which means additional customers using electricity during summer peaks each year.

#### Bedwell, Heidi

From:	Bedwell, Heidi
Sent:	Wednesday, October 10, 2018 11:21 AM
То:	bradley.strauch@pse.com
Subject:	Additional Comment Response needed
Attachments:	Response to COB revision letter 2.pdf; Response to COB revision letter.pdf; PSE's
	response to Bellevue questions is inadequate; South Bellevue Segment Energize Eastside
	- Response to Technical Review Letter, Part 1 (September 21, 2018)

Hi Brad,

This message pertains to your letter dated September 21, 2018 sent in response to the city's request for additional information about your peak loads. On June 8, 2018 PSE sent letters to several Cities on the eastside stating that their peak customer demand projections, which were the basis for determining the need for the Energize Eastside project, had been exceeded in the summer of 2017. In your response to City of Bellevue requests for data showing this growth you indicated that the kind of information requested could not be provided. As we discussed on October 9, 2018, there are some details that would help us better understand the letter and the circumstances that led to the 2017 peak demand.

- Please indicate which load forecast scenario the June 8 letter refers to when it says "peak demand increased faster than modeled and our actual 2017 summer peak demand exceeded our load forecast for summer 2018". We presume this refers to load forecasts in the 2015 Supplemental Eastside Needs Assessment Report. If this is correct, please indicate which threshold was exceeded.
- 2. Please provide information on what contributed to this peak load, including high temperatures, duration of the heat wave, and other conditions that led to higher than expected demand. To the extent that it can be determined, please provide information on where the higher than expected demand occurred.

I have also attached four comment letters pertaining to the topic as well. Please provide an applicable response to the comments as part of your communication back to the city. Thank you. -Heidi



Heidi M. Bedwell Environmental Planning Manager, Land Use Division Development Services Department 425-452-4862 www.bellevuewa.gov and www.mybuildingpermit.com

#### Bedwell, Heidi

From:	Don Marsh <don.m.marsh@hotmail.com></don.m.marsh@hotmail.com>
Sent:	Monday, October 08, 2018 7:20 AM
То:	Bedwell, Heidi
Cc:	Council; Miyake, Brad
Subject:	PSE's response to Bellevue questions is inadequate
Attachments:	Response to PSE answers on Energize Eastside.pdf

Dear Ms. Bedwell,

Please see the attached letter regarding PSE's response to Bellevue's questions about the Energize Eastside project. The company must provide actual data to justify the need and schedule of the project.

Sincerely, Don Marsh October 8, 2018

Heidi Bedwell Environmental Planning Manager City of Bellevue 450 110th Avenue NE Bellevue, WA 98004

RE: PSE's response to City's questions about the South Bellevue Segment Energize Eastside

Dear Ms. Bedwell,

We have reviewed PSE's response to Bellevue's questions about Energize Eastside, dated September 21, 2018.¹ PSE's carefully worded evasions and notable lack of quantitative data do not meet the burden of proof required by Bellevue LUC 20.20.255D.2.c.i ("...whether the electrical utility facility location is a consequence of *needs or demands from customers located within the district or area.*")

There is ample evidence to question PSE's claim that the Eastside electric grid is on the verge of collapse. PSE recently stated that their current peak load forecasts have fallen by 4.9%.² Although PSE has not provided a peak load forecast specifically for Bellevue, the greater Eastside accounts for approximately 14% of PSE's total load. It is possible that falling demand in Bellevue and the Eastside is contributing to the overall reduction in peak loads.

In 2015, Bellevue hired an independent analyst to examine the need for Energize Eastside. The analyst cited PSE's assumption that large projects in downtown Bellevue would add 42 MW to peak loads on the Eastside by 2018.³ PSE provides no evidence that this increase has occurred. Using data provided by PSE, Bellevue's Environment Stewardship website observes, "Conservation combined with increased population growth have tended to keep total community use fairly flat since 2011."

PSE's letter states:

PSE does not track Eastside actual load data in real time as part of its regular operations. PSE does track the system peak. The 2017 system summer peak exceeded PSE's forecasted 2018 summer normalized system peak used in the Eastside studies.⁴

Our industry experts, who collectively represent decades of relevant experience, believe this is a disingenuous answer. PSE, like all other major utilities, has an extensive Supervisory Control and Data Acquisition system designed to monitor generating stations, transmission lines, and

¹ South Bellevue Segment Energize Eastside – Response to Technical Review Letter, Part 1 (<u>https://development.bellevuewa.gov/UserFiles/Servers/Server_4779004/File/pdf/Development%20Services/Energ</u> izeEastside/PSE-EE-Response-Technical-Review-Letter-Part1.pdf)

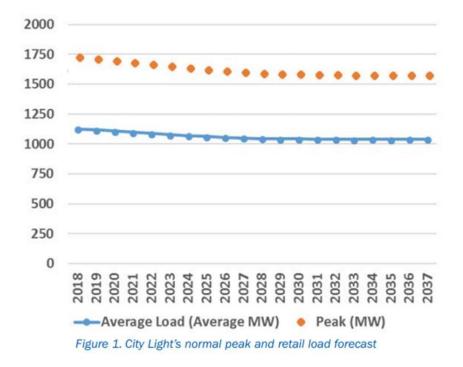
² 2019 IRPAG Meeting #2, PSE, August 20, 2018, page 20.

³ Independent Technical Analysis of Energize Eastside for the City of Bellevue, WA, April 28, 2015, Version 1.3, page ⁴ Op Cit., page 1.

substations. This is commonly known as SCADA.

As of 2015, PSE had installed 24 SCADA monitoring and control units in Bellevue's Central Business District.⁵ At that time, PSE planned to install 42 more units. PSE recently released a report which includes detailed data on two of their substations – including individual forecasts out to 2027.⁶ Clearly, if the data were truly unavailable, it would be impossible to prepare hour-by-hour demand forecasts for specific substations during the next decade.

The industry as a whole has reported low or negative growth in peak loads for the past decade. Changes in technology have reduced the need for new generation and transmission. For example, Seattle City Light, the publicly owned utility adjacent to Puget Sound Energy, has recently published a new load forecast that predicts peak load reductions for the next twenty years: ⁷



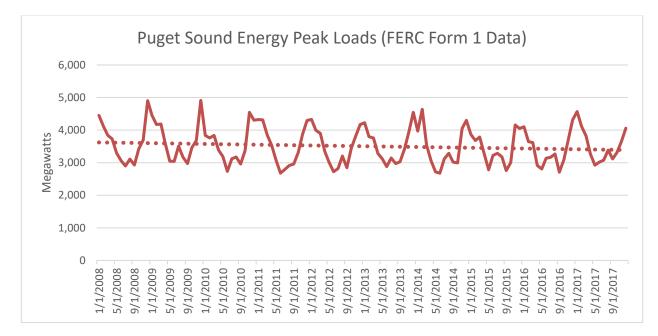
Seattle has the same weather as the Eastside. Rates of population and economic growth are similar on both sides of Lake Washington (housing construction is actually higher in Seattle). Both utilities have access to the same technology for electrical efficiency. Customers of both utilities have a similar interest in reducing energy consumption to minimize harm to the environment. However, PSE and Seattle City Light have very different incentives. Seattle City Light is owned by its consumers and pursues overall cost reductions. Investor owned utilities must continue to invest in infrastructure projects to increase profits.

⁵ Puget Sound Energy 2015 Service Quality and Electric Service Reliability Report, March 29, 2016, page 51.

⁶ Eastside System Energy Storage Alternatives Assessment Report Update – September 2018, Mark Higgins and Stephen Sproul, Stratgen Consulting, September 2018, pages 39 and 41.

⁷ 2018 PROGRESS REPORT, Seattle City Light, September 24, 2018, page 10.

While Puget Sound Energy has restricted the amount of information it has provided to Bellevue and neighboring municipalities, it is required to supply detailed information to state and federal authorities. Almost all of this information is public, although it is not always sufficiently disaggregated to the municipal level. For example, PSE's peak loads have declined over the past decade:⁸



The dotted line shows a gradual decrease in peak demand over the past decade.

CENSE has repeatedly asked PSE to supply summer and winter demand peaks for each substation in the Eastside area. This data is necessary to evaluate the overall need for the project, and to determine whether a smaller, more targeted solution could address any growth hot spots, potentially saving hundreds of millions of dollars for ratepayers.

PSE refused our most recent request:

This request is very similar to the request you made in March 6, 2016 for individual substation load data for a six-year time period. In PSE's response to you dated May 13, 2016, we stated, "Historical loading on individual substations is confidential in order to protect customer sensitive information so this request is denied." Unfortunately, the passage of time has not altered PSE's position that such information compromises the confidential nature of customer sensitive information, so this request is again denied.⁹

⁸ Capacity loads reported by PSE to the Federal Energy Regulatory Commission on Form 1 page 401b for the years 2008 through 2017.

⁹ Letter to Don Marsh via Express Mail, September 19, 2018

PSE has claimed that release of such data would compromise customer sensitive information. The claim of customer confidentiality is difficult to understand, because each substation serves thousands of customers. Is it possible to identify the consumption of one customer using 10 or 20 data points spanning the highest summer and winter usage over a decade? Not only is this improbable, the standard solution in such cases is to mask the data or to execute a protective order.

The WUTC has criticized PSE's lack of documentation on this issue and other issues raised by stakeholders in the 2017 Integrated Resource Plan:

The Plan does not include a narrative regarding:

- The effect of the power flows due to entitlement returns on the need for the Energize Eastside Project.
- The reason for, and effect on the need for the Energize Eastside Project, of modeling zero output from five of PSE's Westside thermal generation facilities.
- *PSE's choice not to provide modeling data to stakeholders with Critical Energy Infrastructure Information clearance from FERC.*
- *Resolution of the effect of lower load assumptions on the need for Energize Eastside Project.*^{10,11}

If PSE doesn't provide actual data to answer these questions, Bellevue and other Eastside cities cannot be sure that an electrical reliability problem truly exists and, if one does, whether this project would provide cost-effective relief. The cities and their citizens will not be able to participate in public hearings in a well-informed manner. Suspicion will linger that PSE pursued this project to benefit its bottom line, rather than improving the reliability of Eastside electricity.

Please represent our mutual interests and demand clear answers from PSE.

Sincerely,

Marsh

Don Marsh

¹⁰ Acknowledgment Letter Attachment Puget Sound Energy's 2017 Electric and Natural Gas Integrated Resource Plan in Dockets UE-160918 and UG-160919, May 7, 2018, page 10.

¹¹ Critical Energy Infrastructure Information clearance from FERC is routinely provided in cases such as this. My clearance was approved by FERC on April 8, 2016.

#### Bedwell, Heidi

From:	Rick Aramburu <rick@aramburu-eustis.com></rick@aramburu-eustis.com>
Sent:	Thursday, October 04, 2018 12:56 PM
То:	Bedwell, Heidi
Subject:	South Bellevue Segment Energize Eastside - Response to Technical Review Letter, Part 1
	(September 21, 2018)

Heidi:

We received notice earlier this week that PSE has provided responses to your August 14, 2018 letter requesting additional information. That letter, signed by Brad Strauch, Senior Planner, is dated September 21, 2018, some five week after your request.

In your August 14 letter you asked PSE to provide specific information regarding peak demand (expressed in terms of hourly demand), data on causes of higher demand in 2017, flows across the Northern Intertie, output of PSE's northern power plants and higher rate of grown during the winter 2017. Essentially, PSE, in its September 21 letter, has refused to answer any of these questions and has refused to provide any actual data as requested by the City. The City questions in its August 14 letter were reasonable in evaluating whether the proposal meets the standards of city codes, especially the fundamentals of LUC 20.20.255. PSE's imperious attitude in brushing off the City requests should not be tolerated.

The City should not proceed to consider the PSE application until these questions are fully and completely answered. This is PSE's application and it has the burden to prove consistency with Bellevue code provisions. It cannot hide from public view essential information and data regarding its operations, which are at the heart of need and reliability criteria in the code.

Thank you for your attention to this important issue.

Rick

J. Richard Aramburu

**ARAMBURU & EUSTIS, LLP** 

720 Third Avenue

Pacific Building Suite 2000

Seattle, WA 98104-1860

Telephone (206) 625-9515

Facsimile (206) 682-1376

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destroy the message. Thank you.

August 28, 2018

Heidi M. Bedwell Environmental Planning Manager City of Bellevue Post Office Box 90012 Bellevue, Washington 98009 9012

Re: Conditional Use (File# 17-120556-LB) Critical Areas Land Use Permit (File #17-120557-LO). South Bellevue Segment Energize Eastside

#### Dear Ms. Bedwell,

On behalf of CENSE, I sent two questions regarding PSE's "Energize Eastside" project in my letter dated August 24, 2018. CENSE has three more questions we would like the City of Bellevue to ask PSE:

- 1. The City asked PSE for hourly records of Eastside demand for the summer of 2017. However, the applicant is required by LUC 20.20.255 to provide the following:
  - b. Describe how the proposed <u>electrical utility facility provides reliability to customers served;</u>
  - c. Describe <u>components</u> of the proposed <u>electrical utility facility</u> that <u>relate to system reliability</u>;

Information describing both summer and winter peaks is critical to assessing whether customer and system reliability is improved by the project. The FEIS at page 1-3 states the need for proposal is the "risk of power outages that typically occur in cold or hot weather as early as the summer of 2018." Accordingly, PSE must provide hourly records for summer and winter peaks for 2008-2017 so decision makers can assess demand trends during the past decade.

The FEIS at page 1-5 says that there is "potential for *load* shedding (forced power outages) by summer of 2018." Data for peak loads during the summer of 2018 should be provided since the peak warm period for the summer of 2018 has now passed. Since the replacement of the Lakeside substation is also part of the project, **PSE should specify the power flowing through the Lakeside substation for the periods in question.** (This expands the request in our first letter.)

- 2. BPA publishes records of electricity transferred between the U.S. and British Columbia over the Northern Intertie. These records show that large transfers happen occasionally. For example, on January 1, 2018, British Columbia transferred 2,244 MW to the U.S. On January 24, 2018, the U.S. transferred 1,974 MW to B.C. Under the code provisions above, PSE is obligated to describe how much of this electricity passed through the Talbot Hill, Lakeside and Sammamish transformers in each case (north and south transfers).
- 3. In the 2013 Eastside Needs Assessment, PSE/Quanta assumed that most local generation plants would be offline during an N-1-1 outage emergency. PSE has since admitted that this situation is unlikely to occur. Apparently, PSE ran a second load flow study with normal levels of local generation. PSE must describe details of this second study. **Exactly how much were loads on the**

## Talbot Hill and Sammamish transformers reduced when electricity from local generators was available?

We believe that clear answers to these questions are required by LUC 20.20.225 to describe the need for Energize Eastside and the feasibility of alternatives that combine modern technologies such as demand response, electrical efficiency, distributed generation, and energy storage.

Sincerely,

Don Marsh

(sent via email)

August 24, 2018

Heidi M. Bedwell Environmental Planning Manager City of Bellevue Post Office Box 90012 Bellevue, Washington 98009 9012

Re: Conditional Use (File# 17-120556-LB) Critical Areas Land Use Permit (File #17-120557-LO). South Bellevue Segment Energize Eastside

Dear Ms. Bedwell,

CENSE appreciates the revision letter dated August 14, 2018 from the City of Bellevue to Puget Sound Energy regarding the company's proposed "Energize Eastside" transmission project. We are especially interested in PSE's answers to questions about the load forecast.

We request the City to ask two additional questions that would further clarify the need for the project:

- 1. What were *actual* summer and winter peak demand levels for the Eastside for 2008-2017? Since peak demand is highly correlated to temperature, this 10-year date range will help us understand the growth trend, the influence of weather, and the relative magnitude of summer and winter peaks.
- 2. PSE assumes regional transfers of 1,500 MW in winter and 2,850 MW in summer. What portion of these transfers are firm commitments by PSE or BPA that cannot be curtailed during an N-1-1 outage emergency affecting the Eastside?

Thank you for your efforts on behalf of residents and businesses in Bellevue and ratepayers throughout PSE's territory who want to be sure their funds are being invested in prudent and cost-effective infrastructure projects.

Sincerely,

Don Marsh

(sent via email)

## DOCUMENT ROUTING FORM

Routed On: 09/27/2018 Prepared by: JSTAMS

## Folder: 17 120556 LB

## Target Date: 04/14/2018

Folder Name: PSE Energize Eastside

Site Address: 13625 SE 26th St

Folder Type: Conditional Use

Sub Type: Nonresidential

Work Proposed: Use Approval

**Description:** Upgrade to existing transmission lines from 115kV to 230kV, including pole and conductor replacement. Construction of new 23okV to 115kV substation.

Quick Review?:

Project Contact: Puget Sound Energy Brad Strauch

Phone: (425) 462-3223

Subject: Rev. 2 Intake & Route

#### Materials Routed:

geotech report, comment letter, public comment table, response summary,2018 strategen consulting report update, thumb drive

Routed On: 09/27/2018

HBEDWELL Land Use TMCFARLA Clear & Grade



City of Bellevue Permit Processing (425) 452-4898

#### **REVISIONS/ADDITIONS** SUBMITTAL FORM

B Rev.# Tech Initials

Perr	nit # _17-120556-LB	Has permit been issued? Yes □ No								
Job	Address: 13600 SE 30th Street, Bellevue									
Proje	Project Name:PSE Energize Eastside									
Proje	ect Contact: Brad Strauch	Phone:(425) 456-2556								
Proje	ect Contact Email Address: <u>bradley.strauch@pse</u> .									
-	Revisions requested by City staff? Yes A Reviewer: <u>H.Bedwell</u> Dept Env. Planning									
	No 🗆									
	On the line provided, write in the number of <b>sets</b> of each item that you are submitting and identify the sheet numbers. Note: You <u>must</u> provide the same number of documents/plans as originally submitted.)									
<u># Sets</u>		<u># Sets</u>								
	Architectural Plan - sheet #	Structural Calculations								
	Boundary/Topo Survey - sheet #	Structural Plan – sheet #								
	Building Elevations - sheet #	Wetland Report								
	C & G Temporary Erosion Control									
	Civil Plan - sheet #	Electrical Plan - sheet #								
	Environmental Checklist	Mechanical Plan - sheet #								
	Exterior Lighting Plan - sheet #	Plumbing Plan - sheet #								
	Floor Plan – sheet #	King County Recording								
2		Date Recorded:								
	Landscape Plan – sheet #	Recording Number:								
	Mylar	Other: Explain and include # of sets.								
		1 - Response to Comment Letter - Part 2								
		1 - Response to Public Comment Table								
		1 - Comment Response Summary								
		1 - 2018 Strategen Consulting Report Update								
·		1 thumbs drive								

#### Describe the nature of the changes:

Response to City comments provided on August 14, 2018.

Received SEP 2.6-2018 Permit Processing



Puget Sound Energy P.O. Box 97034 Bellevue, WA 98009-9734

PSE.com

September 26, 2018

Heidi Bedwell, Environmental Planning Manager City of Bellevue 450 110th Avenue NE Bellevue, WA 98004

#### RE: South Bellevue Segment Energize Eastside – Response to Technical Review Letter, Part 2 Conditional Use (File# 17-120556-LB) Critical Areas Land Use Permit (File #17-120557-LO)

Dear Ms. Bedwell:

Puget Sound Energy, Inc. (PSE) provides the following responses to the City of Bellevue's (City's) August 14th, 2018, letter requesting additional information on the above referenced permit applications. The responses follow the order in which they are presented in the City's letter.

#### Land Use Review Comments

**Public Comment:** Please see the Response to Public Comment Table, Comment Response Summary, and 2018 Strategen Report Update for PSE's responses to public comments.

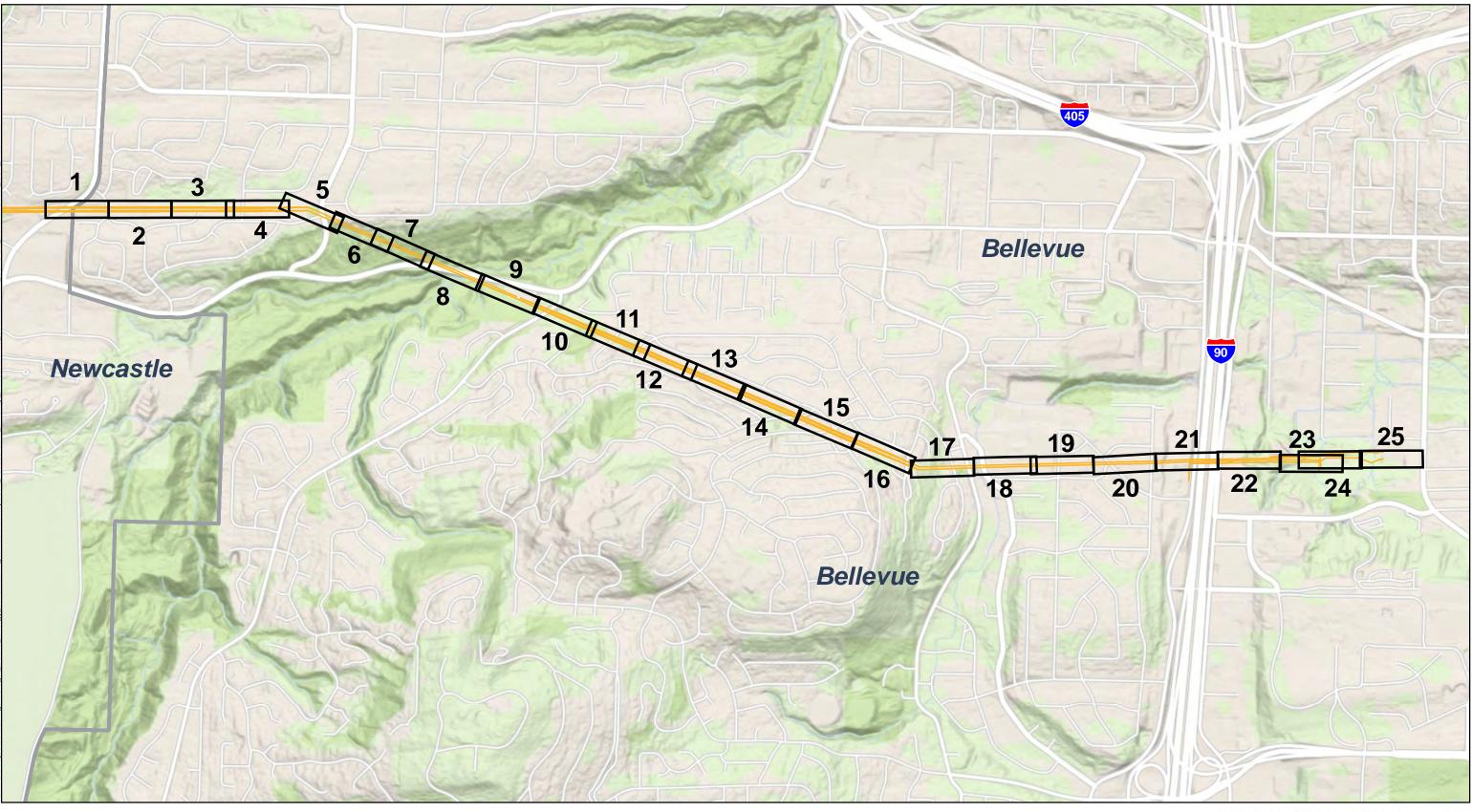
**Critical Areas:** Please see the attached memorandum that addresses the comments provided regarding Geologic Hazard Areas, dated September 21, 2018, from GeoEngineers.

Thank you for you effort in processing our application. Please let us know if additional clarification is needed.

Sincerely,

Bul Stat

Brad Strauch Senior Land Planner







energizeeastside

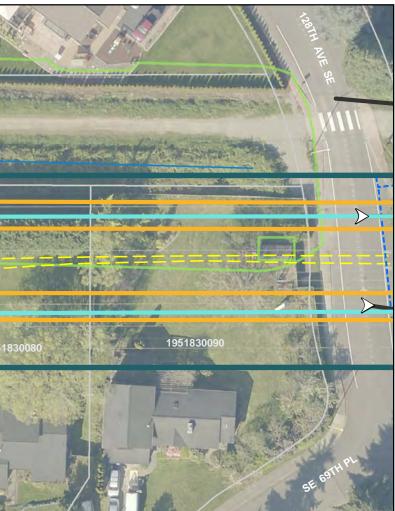
## CONDITIONAL USE PERMIT INDEX / CRITICAL AREAS LAND USE PERMIT

SOUTH BELLEVUE

Date: 9/4/2018 DSD 003751

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	Transmission Line - Proposed (Separate Application) Wastewater Utility Line Water Utility Line	Landslide Hazard 50ft Buffer	Conductor	(2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide	3
	Transmission Line - Existing Unknown Underground Utility	Line Steep Slope	Ground Line	Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016).	Z
<u>5/7</u>	Proposed Pole Number Underground Gas Utility Line		<ul> <li>Major Elevation Grid</li> <li>Major Station Grid</li> </ul>	Note: See Appendix C for Lakeside and	18
	Structure Type (See Appx. A)	- Proposed Pole	Minor Station Grid	Richards Creek substation site plan	
A1	Construction Scenario Key (See Appx. B) – – – Unknown Underground Utility			For cartographic purposes only.	S / ()

**AATCHLINE SHEET:** 



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## SITE PLAN SOUTH BELLEVUE

BASED ON PSE ENGINEERING DESIGN REVISION K

Page 1 of 25

Date: 9/4/2018



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Landslide Hazard 50ft Buffer

Recommended Access

Richards Creek Substation Footprint

Steep Slope 50ft Buffer

- Proposed Pole

Steep Slope

Conductor

--- Major Station Grid

Major Elevation Grid

Minor Station Grid

Ground Line

---- Wastewater Utility Line

---- Unknown Underground Utility Line

--- Underground Phone/TV Utility Line

--- Unknown Underground Utility Line

--- Underground Power Utility Line

--- Underground Gas Utility Line

---- Water Utility Line

Transmission Line - Proposed

(Separate Application)

Transmission Line - Existing

5/7 Proposed Pole Number

C-16 Structure Type (See Appx. A)

A1 Construction Scenario Key (See Appx. B)

SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016).

Note: See Appendix C for Lakeside and Richards Creek substation site plan

For cartographic purposes only.



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## SITE PLAN SOUTH BELLEVUE

**BASED ON PSE ENGINEERING DESIGN REVISION K** 

### Page 2 of 25

Date: 9/4/2018



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★ 5/7 C-16	Proposed Pole Location Existing Pole Location– To Be Removed Transmission Line - Proposed (Separate Application) Transmission Line - Existing Proposed Pole Number Structure Type (See Appx. A)	Project Corridor Potential Stringing - Olympic Undergrou (Approx. Location) Wastewater Utility I Wastewater Utility Line Unknown Undergrou Underground Gas I Underground Gas I	nd Pipeline .ine ound Utility Line Jtility Line e/TV Utility Line	Landslide Landslide ZZ Steep Slo Steep Slo	Hazard 50ft Buffer pe pe 50ft Buffer ended Access	Profile V           S           C           G           M		у		nd Buffers, Landslide nd Steep Slopes and ed Company (2016). C for Lakeside and	MAP EX
A1	Construction Scenario Key (See Appx. B)	<ul> <li>– – Underground Powe</li> <li>– – Unknown Undergro</li> </ul>		Richards	Creek Substation Footprint	IVI	III OI STALION GHU		For cartographic purp	oses only.	ST A



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BASED ON PSE ENGINEERING DESIGN REVISION K

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Date: 9/4/2018



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540       520       500       480       681       450       440       420	Stream Parcel	HT= EAST 85FT/WEST 89FT ELE=436.30



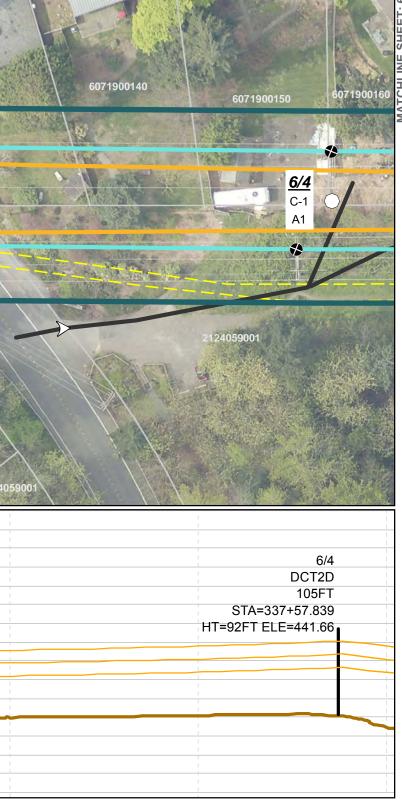
BASED ON PSE ENGINEERING DESIGN REVISION K

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Date: 9/4/2018

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<u>5</u> /	<ul> <li>Existing Pole Location– To Be Removed</li> <li>Transmission Line - Proposed (Separate Application)</li> <li>Transmission Line - Existing</li> <li>Proposed Pole Number</li> <li>Structure Type (See Appx. A) Construction Scenario Key (See Appx. B)</li> </ul>	<ul> <li>Potential Stringing Site</li> <li>Olympic Underground Pipeline (Approx. Location)</li> <li>Wastewater Utility Line</li> <li>Water Utility Line</li> <li>Unknown Underground Utility Line</li> <li>Underground Gas Utility Line</li> <li>Underground Phone/TV Utility Line</li> <li>Underground Power Utility Line</li> <li>Unknown Underground Utility Line</li> </ul>	<ul> <li>Wetland</li> <li>Wetland and Stream Buffer</li> <li>Landslide Hazard</li> <li>Landslide Hazard 50ft Buffer</li> <li>Steep Slope</li> <li>Steep Slope 50ft Buffer</li> <li>Recommended Access</li> <li>Proposed Pole</li> <li>Richards Creek Substation Footprint</li> </ul>	City Jurisdiction Boundary Profile View Structure Conductor Ground Line Major Elevation Grid Major Station Grid	<pre></pre>



BASED ON PSE ENGINEERING DESIGN REVISION K

Page 5 of 25

Date: 9/4/2018

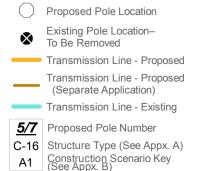
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6/4 C-1 A1	MB02 Category IV			6/5 C-1 A1 MB03 Category
6/4 DCT2D 105FT STA=337+57.839 HT=92FT ELE=441.66	640		6/5 DCT2	620 600 580 540 520 500
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<ul> <li>Proposed Pole Location</li> <li>Existing Pole Location- To Be Removed</li> <li>Transmission Line - Proposed</li> <li>Transmission L</li></ul>	Parcel City Jurisdiction Boundary Profile View Structure Conductor Ground Line	0 25 50	Bellevue BASED ON P DE	SITE PLAN H BELLEVUE SE ENGINEERING SIGN REVISION K
5/7       Proposed Pole Number        Underground Gas Utility Line       Steep Slope 50ft Buffer         C-16       Structure Type (See Appx. A)        Underground Phone/TV Utility Line       Recommended Access         A1       Construction Scenario Key        Underground Power Utility Line       Richards Creek Substation F	Major Elevation Grid	Buffers from Watershed Company (2016). Note: See Appendix C for Lakeside and Richards Creek substation site plan For cartographic purposes only.	Newcastle	Page 6 of 25 Date: 9/4/2018 DSD 003757



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- Project Corridor
- Potential Stringing Site Olympic Underground Pipeline (Approx. Location)
- ---- Wastewater Utility Line ---- Water Utility Line
- ---- Unknown Underground Utility Line
- --- Underground Gas Utility Line --- Underground Phone/TV Utility Line
- --- Underground Power Utility Line --- Unknown Underground Utility Line

- ----- Stream Wetland
- Wetland and Stream Buffer
- Landslide Hazard
- Landslide Hazard 50ft Buffer
- Steep Slope
  - Steep Slope 50ft Buffer
  - Recommended Access - Proposed Pole
  - Richards Creek Substation Footprint
- Parcel City Jurisdiction Boundary Profile View
- Structure ----- Conductor
- Ground Line
- Major Elevation Grid
- --- Major Station Grid
  - Minor Station Grid

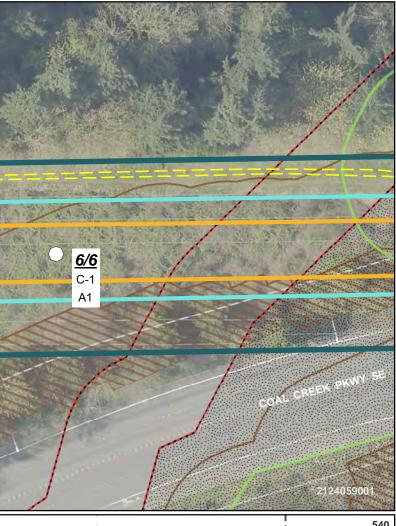
Z Feet 1 inch = 50 feet

SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016).

Note: See Appendix C for Lakeside and Richards Creek substation site plan

For cartographic purposes only.





	540
	520
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6/6	460
DCT2	440
125FT	420
STA=348+80.40	400
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## SITE PLAN SOUTH BELLEVUE

**BASED ON PSE ENGINEERING DESIGN REVISION K** 

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Date: 9/4/2018

MAP EXTENT Kirkland Redmond 520 405 Bellevue 90 N Newcastle

		2124050	001 MB03 Type N	MB04 Category IV	
				COAL CREEK PKWY SE	
B Doctablehoue Sonthlandue CUPPEE Belevereborn UP mod				JB05 (Coal. Creek), Type:F	2124059001
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240 220 200 180 160 160 140	Proposed Pole Location Existing Pole Location– To Be Removed	Project Corridor Potential Stringing Site Otympic Ladorsround Bineling	Stream Wetland Wetland Stream Buffer	Parcel City Jurisdiction Boundary Profile View	$25 \qquad 50 \\ Feet \qquad Feet$
<u>5/7</u>	<ul> <li>Transmission Line - Proposed</li> <li>Transmission Line - Proposed (Separate Application)</li> <li>Transmission Line - Existing</li> <li>Proposed Pole Number</li> <li>Structure Type (See Appx. A)</li> <li>Construction Scenario Key</li> <li>(See Appx. B)</li> </ul>	Olympic Underground Pipeline (Approx. Location) Wastewater Utility Line Water Utility Line Unknown Underground Utility Line Underground Gas Utility Line Underground Phone/TV Utility Line Underground Power Utility Line Unknown Underground Utility Line	Landslide Hazard Landslide Hazard 50ft Buffer Steep Slope Steep Slope 50ft Buffer Recommended Access - Proposed Pole Richards Creek Substation Footprint	Structure Conductor Ground Line Major Elevation Grid Major Station Grid	SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016). Note: See Appendix C for Lakeside and Richards Creek substation site plan For cartographic purposes only.

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BASED ON PSE ENGINEERING DESIGN REVISION K

## Page 8 of 25

Date: 9/4/2018



MAI CHLINE SHEEL I: 8	COAL CREEK PKINY SE	E (Somerser) Category IV		2124059052
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<ul> <li>Proposed Pole Location</li> <li>Existing Pole Location– To Be Removed</li> <li>Transmission Line - Proposed (Separate Application)</li> <li>Transmission Line - Existing</li> <li><b>5/7</b> Proposed Pole Number</li> <li>C-16 A1</li> <li>Construction Scenario Key (See Appx. B)</li> </ul>	<ul> <li>Project Corridor</li> <li>Potential Stringing Site</li> <li>Olympic Underground Pipeline (Approx. Location)</li> <li>Wastewater Utility Line</li> <li>Water Utility Line</li> <li>Unknown Underground Utility Line</li> <li>Underground Gas Utility Line</li> <li>Underground Phone/TV Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Utility Line</li> <li>Underground Utility Line</li> </ul>	<ul> <li>Stream</li> <li>Wetland</li> <li>Wetland and Stream Buffer</li> <li>Landslide Hazard</li> <li>Landslide Hazard 50ft Buffer</li> <li>Steep Slope</li> <li>Steep Slope 50ft Buffer</li> <li>Recommended Access</li> <li>Proposed Pole</li> <li>Richards Creek Substation Footprin</li> </ul>	Parcel City Jurisdiction Boundary Profile View Structure Conductor Ground Line Major Elevation Grid Major Station Grid	MAP EX MAP EX MAP EX Sources: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016). Note: See Appendix C for Lakeside and Richards Creek substation site plan For cartographic purposes only.

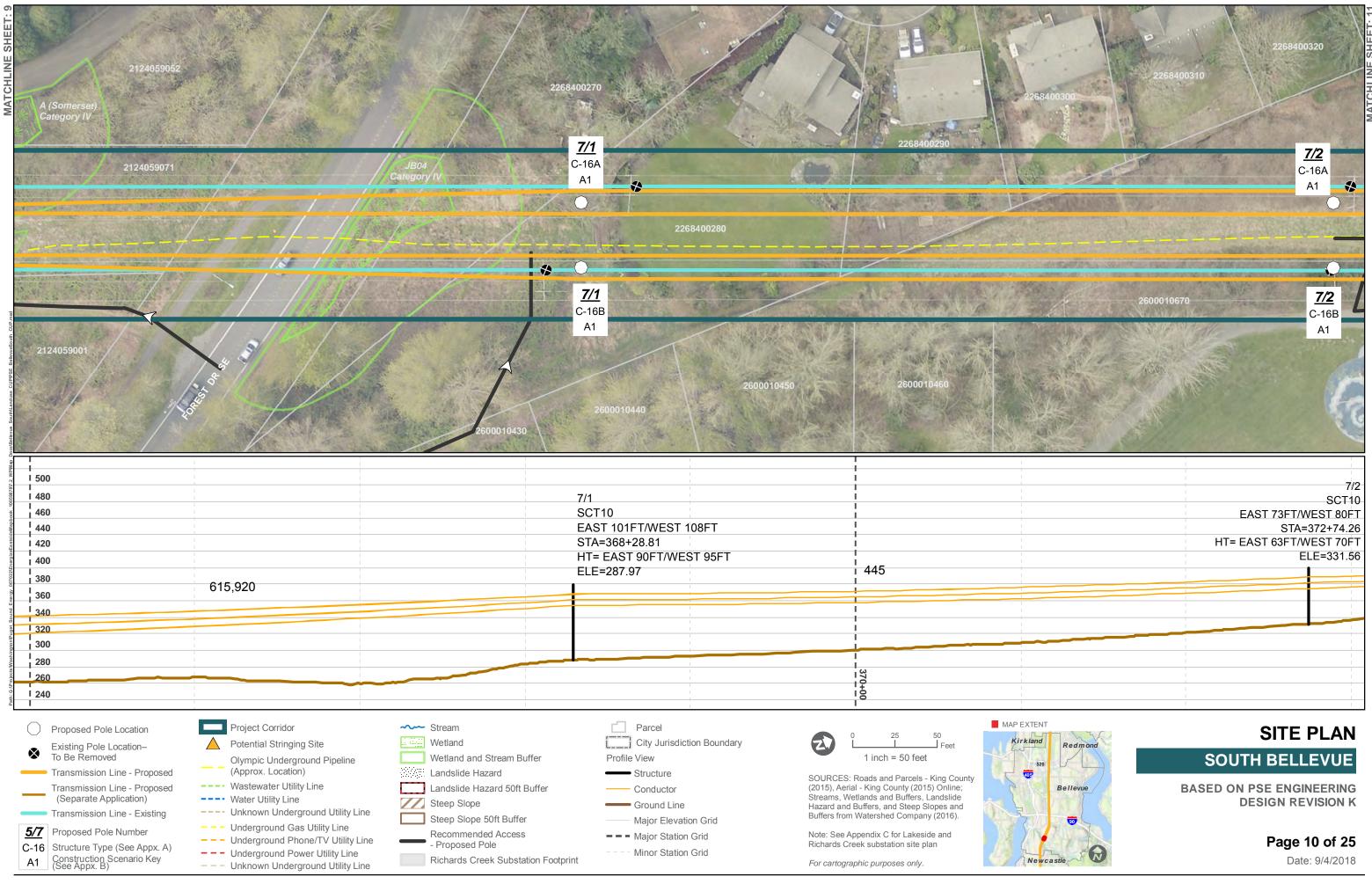
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BASED ON PSE ENGINEERING DESIGN REVISION K

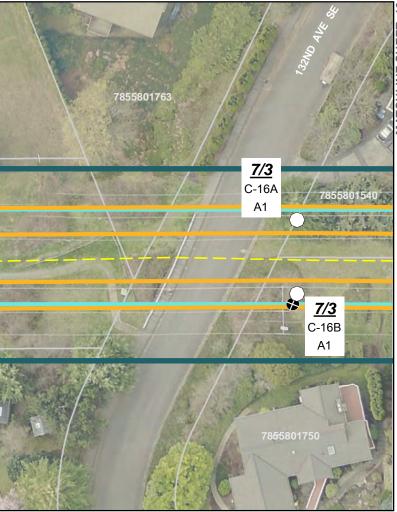
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Date: 9/4/2018

EXTENT



2268400320 2268400320 7/2 C-16A A1 260 7/2 C-16B A1	0010670			260010610	
7/2 SCT10 EAST 73FT/WEST 80FT STA=372+74.26 HT= EAST 63FT/WEST 70FT			200		
ELE=331.56		375+00			
<ul> <li>Proposed Pole Location</li> <li>Existing Pole Location- To Be Removed</li> <li>Transmission Line - Proposed (Separate Application)</li> <li>Transmission Line - Existing</li> <li>Proposed Pole Number</li> <li>C-16 Structure Type (See Appx. A) Construction Scenario Key (See Appx. B)</li> </ul>	<ul> <li>Project Corridor</li> <li>Potential Stringing Site</li> <li>Olympic Underground Pipeline (Approx. Location)</li> <li>Wastewater Utility Line</li> <li>Water Utility Line</li> <li>Unknown Underground Utility Line</li> <li>Underground Gas Utility Line</li> <li>Underground Phone/TV Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Dower Utility Line</li> <li>Unknown Underground Utility Line</li> <li>Unknown Underground Utility Line</li> </ul>	<ul> <li>Stream</li> <li>Wetland</li> <li>Wetland and Stream Buffer</li> <li>Landslide Hazard</li> <li>Landslide Hazard 50ft Buffer</li> <li>Steep Slope</li> <li>Steep Slope 50ft Buffer</li> <li>Recommended Access</li> <li>Proposed Pole</li> <li>Richards Creek Substation</li> </ul>	Structure     Conductor     Ground Line     Major Elevation Grid     Major Station Grid	y $e^{25}$ $e^{50}$ Feet 1 inch = 50 feet SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016). Note: See Appendix C for Lakeside and Richards Creek substation site plan For cartographic purposes only.	5



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HT= EAST 77FT/WE		500
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	1	300
		200

## SITE PLAN

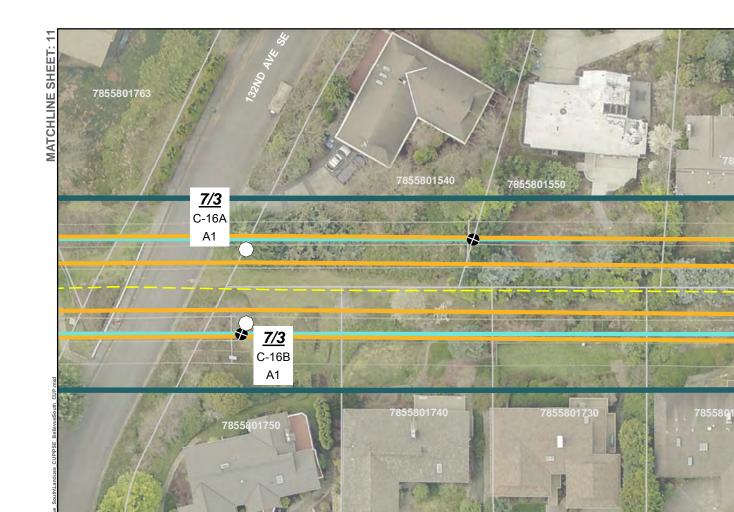
## SOUTH BELLEVUE

BASED ON PSE ENGINEERING DESIGN REVISION K

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Date: 9/4/2018





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<mark>ଅଟି 360</mark>	8		
2 <b>340</b>	8		



C-16 Structure Type (See Appx. A)

A1 Construction Scenario Key (See Appx. B)

	Project Corridor
--	------------------

A Potential Stringing Site Olympic Underground Pipeline (Approx. Location) ---- Wastewater Utility Line

- ---- Water Utility Line
- ---- Unknown Underground Utility Line --- Underground Gas Utility Line
- --- Underground Phone/TV Utility Line --- Underground Power Utility Line
- --- Unknown Underground Utility Line

- **~~~** Stream Wetland
- Wetland and Stream Buffer
- Landslide Hazard
- Landslide Hazard 50ft Buffer
- Steep Slope
  - Steep Slope 50ft Buffer Recommended Access
    - Proposed Pole
  - Richards Creek Substation Footprint

- Parcel City Jurisdiction Boundary Profile View
- Structure

BI

- ----- Conductor
- Ground Line Major Elevation Grid
- --- Major Station Grid

  - Minor Station Grid

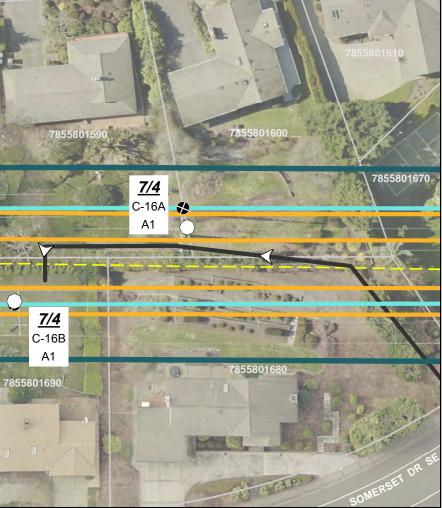
Z Feet 1 inch = 50 feet

SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016).

Note: See Appendix C for Lakeside and Richards Creek substation site plan

For cartographic purposes only.





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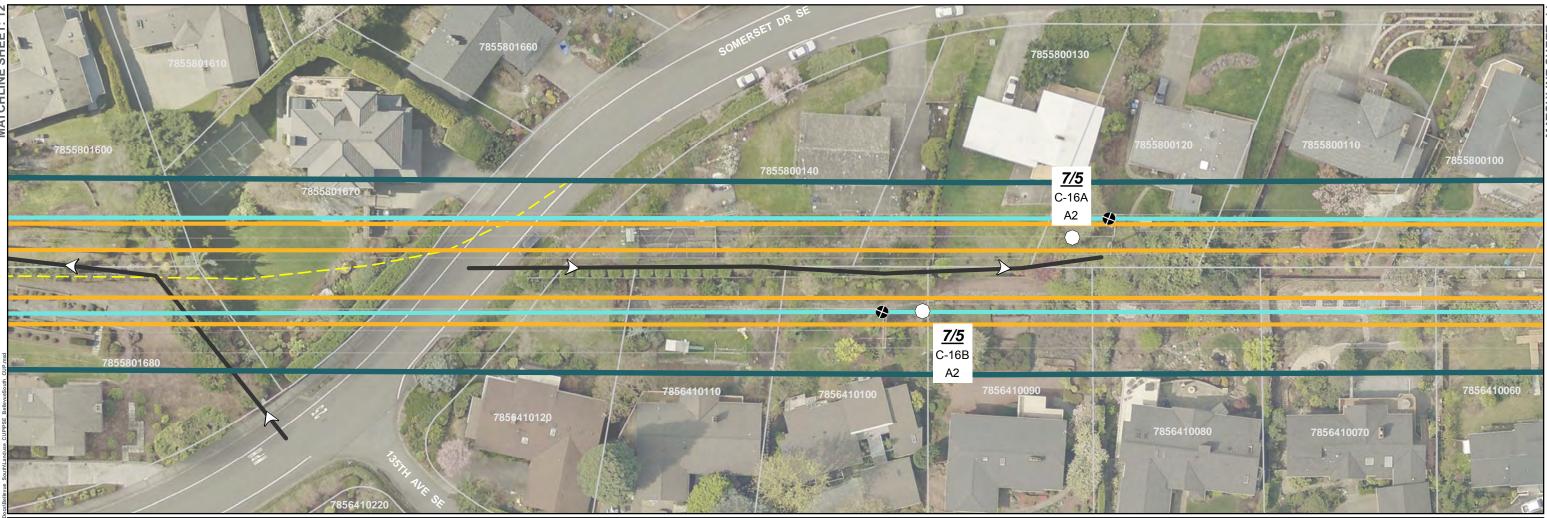
## SITE PLAN SOUTH BELLEVUE

**BASED ON PSE ENGINEERING DESIGN REVISION K** 

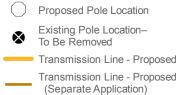
### Page 12 of 25

Date: 9/4/2018

MAP EXTENT Kirkland Redmond 520 405 Bellevue Newcastle



640		1		
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⁸ 580		E	EAST 90FT/WEST 95FT	-
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540		HT:	= EAST 78FT/WEST 82	PT
520	653		ELE=451.80	•
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380		1		
⁴ 360		1		



5/7 Proposed Pole Number

C-16 Structure Type (See Appx. A)

A1 Construction Scenario Key (See Appx. B)

Transmission Line - Existing

- Project Corridor
- Potential Stringing Site Olympic Underground Pipeline (Approx. Location)
- ---- Wastewater Utility Line
- ---- Water Utility Line ---- Unknown Underground Utility Line
- --- Underground Gas Utility Line --- Underground Phone/TV Utility Line
- --- Underground Power Utility Line
- --- Unknown Underground Utility Line

- **~~~** Stream Wetland
- Wetland and Stream Buffer
- Landslide Hazard
- Landslide Hazard 50ft Buffer
- Steep Slope
  - Steep Slope 50ft Buffer
    - Recommended Access - Proposed Pole
  - Richards Creek Substation Footprint

- Parcel City Jurisdiction Boundary Profile View
- Structure
- ----- Conductor
- Ground Line Major Elevation Grid
- --- Major Station Grid

  - Minor Station Grid

Z Feet 1 inch = 50 feet

SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016).

Note: See Appendix C for Lakeside and Richards Creek substation site plan

For cartographic purposes only.



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## SITE PLAN SOUTH BELLEVUE

**BASED ON PSE ENGINEERING DESIGN REVISION K** 

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Date: 9/4/2018



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_	Transmission Line - Proposed	(Approx. Location)	Landslide Hazard	Structure	SOURCES: Roads and Parcels - King Count	
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_		Unknown Underground Utility Line	Steep Slope Slope Slope Slope Slope Steep Slope 50ft Buffer	Ground Line	Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016).	
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<u>5/</u> C-1		<ul> <li>Underground Gas Utility Line</li> <li>Underground Phone/TV Utility Line</li> <li>Underground Power Utility Line</li> </ul>	Recommended Access - Proposed Pole	Major Station Grid	Note: See Appendix C for Lakeside and Richards Creek substation site plan	

# ัก **CHLINE**



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# SITE PLAN

SOUTH BELLEVUE

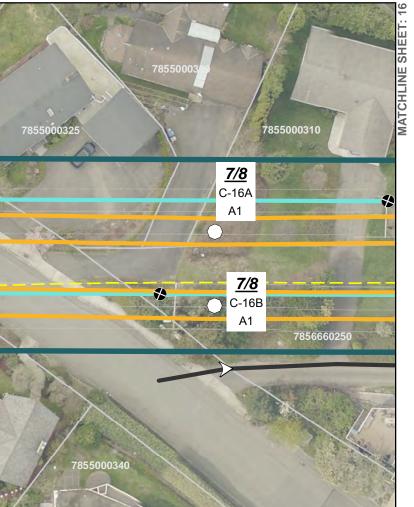
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### Page 14 of 25

Date: 9/4/2018



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720 700 680 660 640 620	7/7 SCT10 EAST 90FT/WEST 110FT STA=402+21.74 HT= EAST 76FT/WEST 95FT ELE=517.95			588			7/8 SCT10 EAST 95FT/WEST 102FT STA=408+09.83 HT= EAST 82FT/WEST 90F ELE=516.84	010
600 580 560 540 520 500								600 580 560 540 520 500
480 460 440 420	Project Corridor	Stream	Parcel					480 460 440 420
<ul> <li>Proposed Pole Location</li> <li>Existing Pole Location- To Be Removed</li> <li>Transmission Line - Proposed</li> <li>Transmission Line - Proposed</li> <li>(Separate Application)</li> </ul>	Project Control Potential Stringing Site Olympic Underground Pipeline (Approx. Location) Wastewater Utility Line Water Utility Line	Wetland Wetland and Stream Buffer Landslide Hazard Landslide Hazard 50ft Buffer	City Jurisdiction Bounds Profile View Structure Conductor	SOURCES: (2015), Aeria Streams, We	25 50 Feet 1 inch = 50 feet Roads and Parcels - King County al - King County (2015) Online; etlands and Buffers, Landslide	Kirkland 520 Bellevue	SITE F SOUTH BELLE BASED ON PSE ENGIN	
5/7       Proposed Pole Number         C-16       Structure Type (See Appx. A)         A1       Construction Scenario Key	<ul> <li>Water Utility Line</li> <li>Unknown Underground Utility Line</li> <li>Underground Gas Utility Line</li> <li>Underground Phone/TV Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Utility Line</li> </ul>	<ul> <li>Steep Slope</li> <li>Steep Slope 50ft Buffer</li> <li>Recommended Access         <ul> <li>Proposed Pole</li> <li>Richards Creek Substation Footprint</li> </ul> </li> </ul>	<ul> <li>Ground Line</li> <li>Major Elevation Grid</li> <li>– – Major Station Grid</li> <li>– – Minor Station Grid</li> </ul>	Hazard and I Buffers from Note: See Ap Richards Cre	Buffers, and Steep Slopes and Watershed Company (2016). opendix C for Lakeside and eek substation site plan phic purposes only.	Newcastle		





		8/1 C-16A A1 C-16B A1	
700 680 660 640 620 600		8/1 SCT10 EAST 80FT/ STA=413+15 HT= FAST 7	
580 560 540 520	506	ELE=493.78	
500 480 460 440 420	4 1 1 1 1 1 1 0 0		
<ul> <li>Proposed Pole Location</li> <li>Existing Pole Location– To Be Removed</li> <li>Transmission Line - Proposed (Separate Application)</li> <li>Transmission Line - Existing</li> <li>5/7 Proposed Pole Number</li> <li>Structure Type (See Appx. A) Construction Scenario Key (See Appx. B)</li> </ul>	<ul> <li>Project Corridor</li> <li>Potential Stringing Site</li> <li>Olympic Underground Pipeline (Approx. Location)</li> <li>Wastewater Utility Line</li> <li>Water Utility Line</li> <li>Unknown Underground Utility Line</li> <li>Underground Phone/TV Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Power Utility Line</li> <li>Recommended Access - Proposed Pole</li> <li>Richards Creek Substate</li> </ul>	Suffer Structure Ground Line Major Elevation Grid Major Station Grid	MAP E e MAP E e MAP E e MAP E f inch = 50 feet SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016). Note: See Appendix C for Lakeside and Richards Creek substation site plan For cartographic purposes only.

# **ATCHLINE SHEET: 1**





	700
	680
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	520
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4 <u>1</u> 5+	440
	420

# SITE PLAN SOUTH BELLEVUE

BASED ON PSE ENGINEERING DESIGN REVISION K

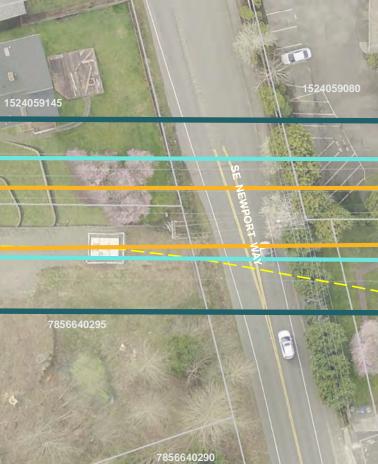
# Page 16 of 25

Date: 9/4/2018



		56420060	7856 7856420050	420040 7855000640 7856420080	1524059141
	8/2 C-18A C1				SE 42ND ST
BA/2 C-18B C1 7856640560 7856640560	7856640040	7856640030	7856640020	785664001	
580 560 540					
520 500 480 460					861
440 420 400 380 380 360 320 320	8/2 SCDE30 EAST 80FT/WEST 87FT STA=417+90.73 HT=EAST 80FT/WEST 87FT ELE=450.96	420+00			
<ul> <li>Proposed Pole Location</li> <li>Existing Pole Location– To Be Removed</li> <li>Transmission Line - Proposed (Separate Application)</li> <li>Transmission Line - Existing</li> <li><u>5/7</u></li> <li>Proposed Pole Number</li> <li>Structure Type (See Appx. A) Construction Scenario Key (See Appx. B)</li> </ul>	Wastewater Utility Line     Water Utility Line     Unknown Underground Utility Line     Underground Gas Utility Line     Underground Phone/TV Utility Line	Recommended Access - Proposed Pole	Ground Line Major Elevation — — Major Station G	SOURCES (2015), Ae Streams, 1 Hazard an Buffers fro Grid Note: See Richards 0 Srid	MAP EX MAP EX MAP EX MAP EX S: Roads and Parcels - King County erial - King County (2015) Online; Wetlands and Buffers, Landslide of Buffers, and Steep Slopes and m Watershed Company (2016). Appendix C for Lakeside and Creek substation site plan praphic purposes only.

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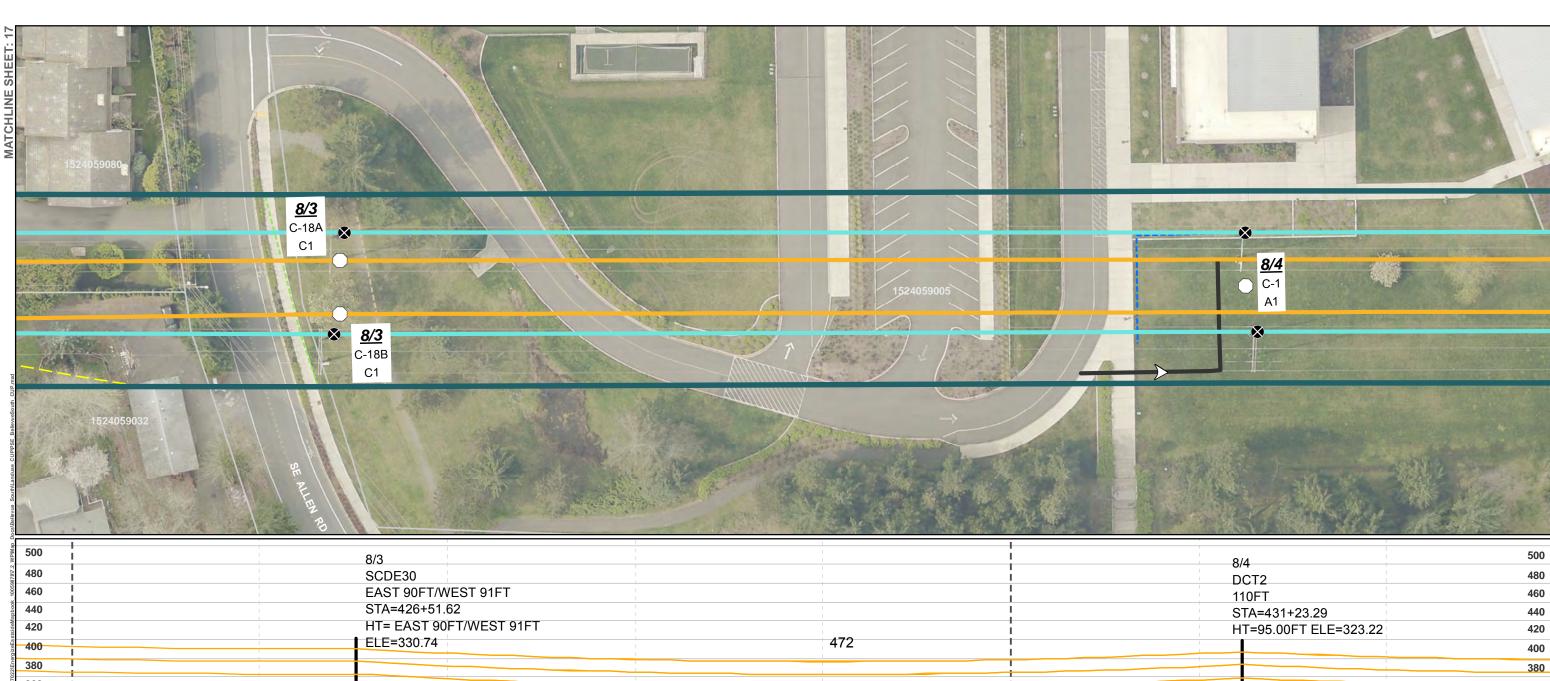
# SITE PLAN SOUTH BELLEVUE

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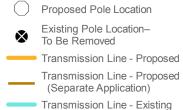
# Page 17 of 25

Date: 9/4/2018





480	SCDE30	
460	EAST 90FT/WEST 91FT	
440	STA=426+51.62	
420	HT= EAST 90FT/WEST 91FT	
400	ELE=330.74	472
380		
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340		1
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5/7 Proposed Pole Number

C-16 Structure Type (See Appx. A)

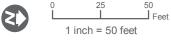
A1 Construction Scenario Key (See Appx. B)

Project Corridor

- Potential Stringing Site Olympic Underground Pipeline (Approx. Location)
- ---- Wastewater Utility Line ---- Water Utility Line
- ---- Unknown Underground Utility Line
- --- Underground Gas Utility Line --- Underground Phone/TV Utility Line
- --- Underground Power Utility Line
- --- Unknown Underground Utility Line

- **~~~** Stream Wetland
- Wetland and Stream Buffer
- Landslide Hazard
- Landslide Hazard 50ft Buffer
- Steep Slope
  - Steep Slope 50ft Buffer
- Recommended Access - Proposed Pole
- Richards Creek Substation Footprint
- Parcel City Jurisdiction Boundary Profile View
- ----- Conductor
- Ground Line
- Major Elevation Grid --- Major Station Grid

  - Minor Station Grid



SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016).

Note: See Appendix C for Lakeside and Richards Creek substation site plan

For cartographic purposes only.



MATCHLINE SHEET

8/4	500
DCT2	480
110FT	460
STA=431+23.29	440
HT=95.00FT ELE=323.22	420
	400
	380
	360
	340
	320
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	220

# SITE PLAN SOUTH BELLEVUE

**BASED ON PSE ENGINEERING DESIGN REVISION K** 

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Date: 9/4/2018

MAP EXTENT Kirkland Redmond 520 405 Bellevue 90 N Newcastle

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			2206500410	2206500415
	1524059005		8/5 C-1 A1	
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<ul> <li>Proposed Pole Location</li> <li>Existing Pole Location– To Be Removed</li> <li>Transmission Line - Proposed (Separate Application)</li> <li>Transmission Line - Existing</li> <li>Proposed Pole Number</li> <li>Structure Type (See Appx. A) Construction Scenario Key (See Appx. B)</li> </ul>	<ul> <li>Project Corridor</li> <li>Potential Stringing Site</li> <li>Olympic Underground Pipeline (Approx. Location)</li> <li>Wastewater Utility Line</li> <li>Water Utility Line</li> <li>Unknown Underground Utility Line</li> <li>Underground Gas Utility Line</li> <li>Underground Phone/TV Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Utility Line</li> <li>Underground Utility Line</li> </ul>	<ul> <li>Stream</li> <li>Wetland</li> <li>Wetland and Stream Buffer</li> <li>Landslide Hazard</li> <li>Landslide Hazard 50ft Buffer</li> <li>Steep Slope</li> <li>Steep Slope 50ft Buffer</li> <li>Recommended Access     <ul> <li>Proposed Pole</li> <li>Richards Creek Substation Footprint</li> </ul> </li> </ul>	<ul> <li>Parcel</li> <li>City Jurisdiction Boundary</li> <li>Profile View</li> <li>Structure</li> <li>Conductor</li> <li>Ground Line</li> <li>Major Elevation Grid</li> <li>Major Station Grid</li> <li>Minor Station Grid</li> </ul>	<ul> <li>D</li> <li>D</li> <li>D</li> <li>D</li> <li>D</li> <li>E</li> <li>SOURCES: Roads and Parcels - King County (2015), Aerial - King County (2015) Online; Streams, Wetlands and Buffers, Landslide Hazard and Buffers, and Steep Slopes and Buffers from Watershed Company (2016).</li> <li>Note: See Appendix C for Lakeside and Richards Creek substation site plan</li> <li>For cartographic purposes only.</li> </ul>



# SITE PLAN SOUTH BELLEVUE

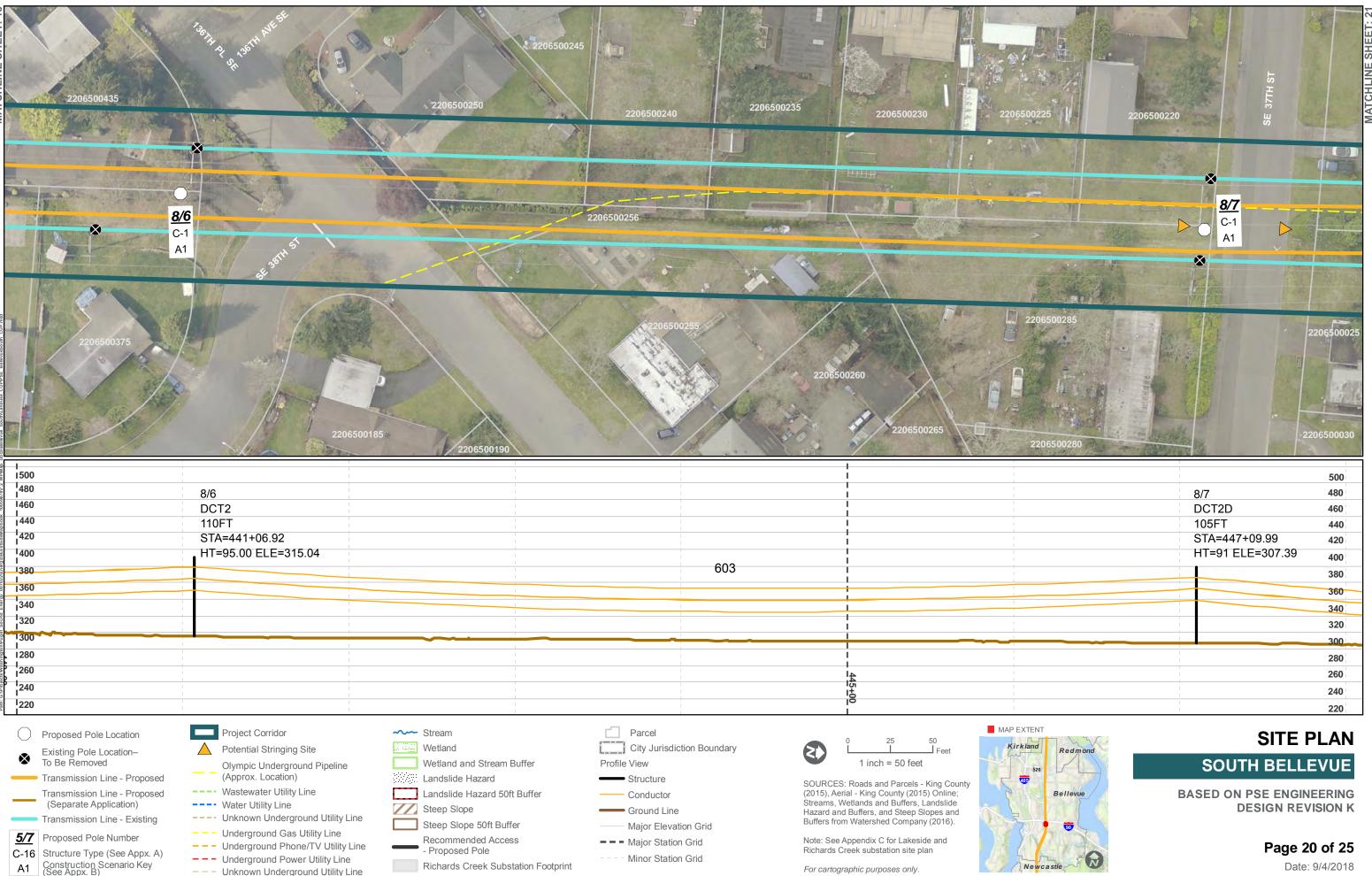
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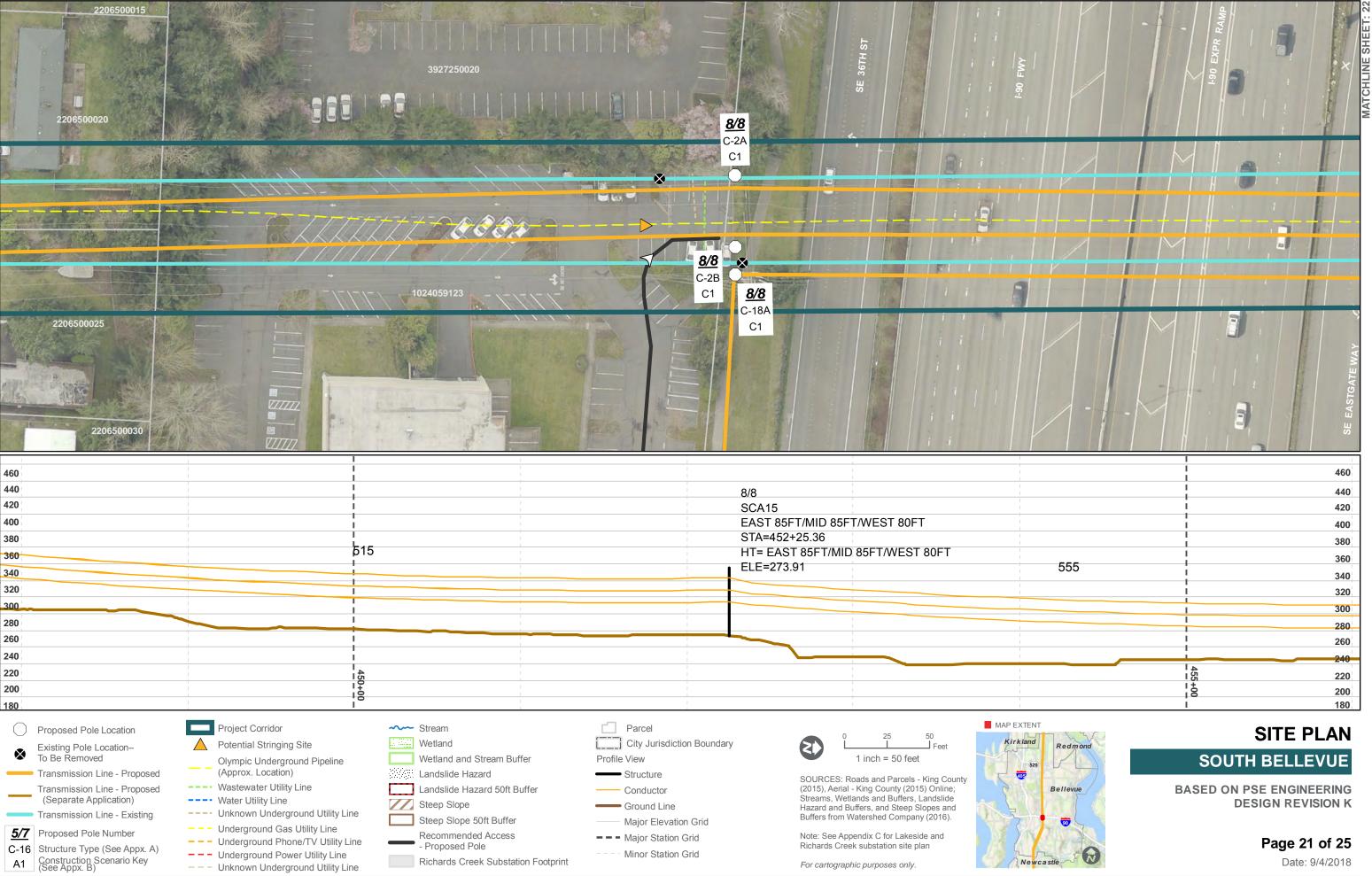
Date: 9/4/2018







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	8/7	480
	DCT2D	460
	105FT	440
	STA=447+09.99	420
	HT=91 ELE=307.39	400
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**MATCHLINE SHEET** 

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280 260 240 220 200 180 160 140 120	STA=457+	T 85FT/WEST 86FT		
<ul> <li>Proposed Pole Location</li> <li>Existing Pole Location– To Be Removed</li> <li>Transmission Line - Proposed</li> <li>Transmission Line - Proposed</li> <li>(Separate Application)</li> <li>Transmission Line - Existing</li> <li>5/7</li> <li>Proposed Pole Number</li> <li>C-16</li> <li>Structure Type (See Appx. A)</li> <li>Construction Scenario Kay</li> </ul>		<ul> <li>Stream</li> <li>Wetland</li> <li>Wetland and Stream Buffer</li> <li>Landslide Hazard</li> <li>Landslide Hazard 50ft Buffer</li> <li>Steep Slope</li> <li>Steep Slope 50ft Buffer</li> <li>Recommended Access <ul> <li>Proposed Pole</li> </ul> </li> <li>Richards Creek Substation Footprint</li> </ul>	Parcel City Jurisdiction Boundary Profile View Structure Conductor Ground Line Major Elevation Grid Major Station Grid Minor Station Grid	<ul> <li>MAP</li> <li> <ul> <li></li></ul></li></ul>

# ATCHLINE SHEET:



	100
10	400
CA15	380
AST 95FT/WEST 97FT	360
A=462+32.77	340
Γ= EAST 95FT/WEST 97FT	320
E=204.78	300
	280
	260
	240
	220
	200
	180
	160.
	140
	120

# SITE PLAN SOUTH BELLEVUE

BASED ON PSE ENGINEERING DESIGN REVISION K

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Date: 9/4/2018



			115 KV 115 KV 115 KV 5453300320 230 KV	230 - KV (Richards) Type F	9/1 C-18A C2 9/1 C-18B C2	7/8 C-18A C2
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				H (Richards) Category III Ty	7/9 C-18A C2	Ŧ ſ
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ap Docs/Bell						Sherris A
360           340           320           300           280           260           240           220           220           200		648,640			9/1 EAST 100FT/WEST 100FT STA=468+71.98 HT= EAST 100FT/WEST 100FT ELE=106.39 148	
180 160						
Lath: C: / Luc Bects Masthington / 140 120 100 80		465+00				
	(Separate Application) Transmission Line - Existing Proposed Pole Number Structure Type (See Appx. A) Construction Scenario Key	<ul> <li>Project Corridor</li> <li>Potential Stringing Site</li> <li>Olympic Underground Pipeline (Approx. Location)</li> <li>Wastewater Utility Line</li> <li>Water Utility Line</li> <li>Unknown Underground Utility Line</li> <li>Underground Gas Utility Line</li> <li>Underground Phone/TV Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Power Utility Line</li> <li>Underground Utility Line</li> </ul>	<ul> <li>Stream</li> <li>Wetland</li> <li>Wetland and Stream Buffer</li> <li>Landslide Hazard</li> <li>Landslide Hazard 50ft Buffer</li> <li>Steep Slope</li> <li>Steep Slope 50ft Buffer</li> <li>Recommended Access</li> <li>Proposed Pole</li> <li>Richards Creek Substation Footprint</li> </ul>	<ul> <li>Parcel</li> <li>City Jurisdiction Boundary</li> <li>Profile View</li> <li>Structure</li> <li>Conductor</li> <li>Ground Line</li> <li>Major Elevation Grid</li> <li>Major Station Grid</li> <li>Minor Station Grid</li> </ul>	etc all and the set of the set	MAP EXT

Richards Creek Substation Footprint: See Site Plan B

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			100
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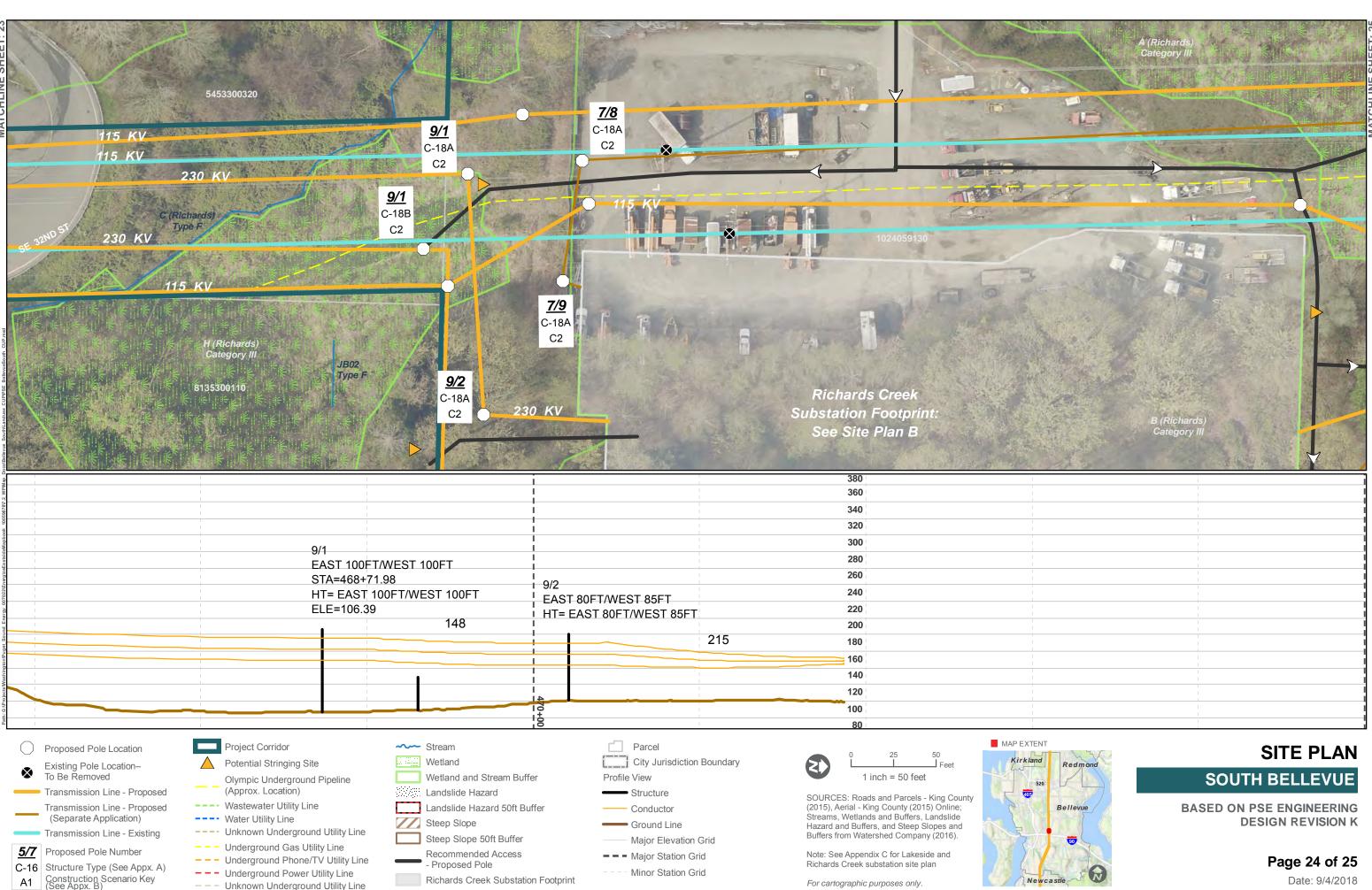
# SITE PLAN SOUTH BELLEVUE

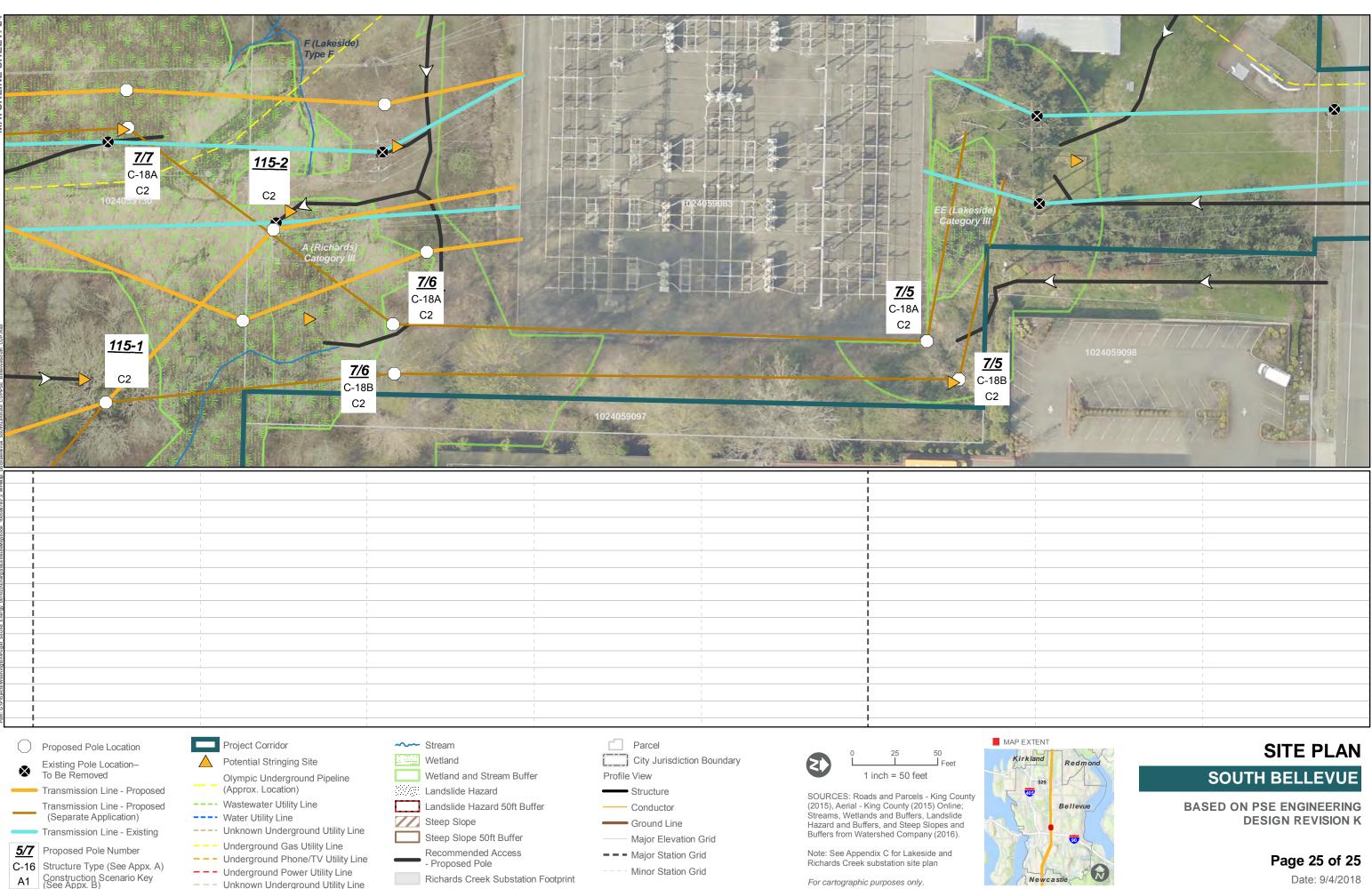
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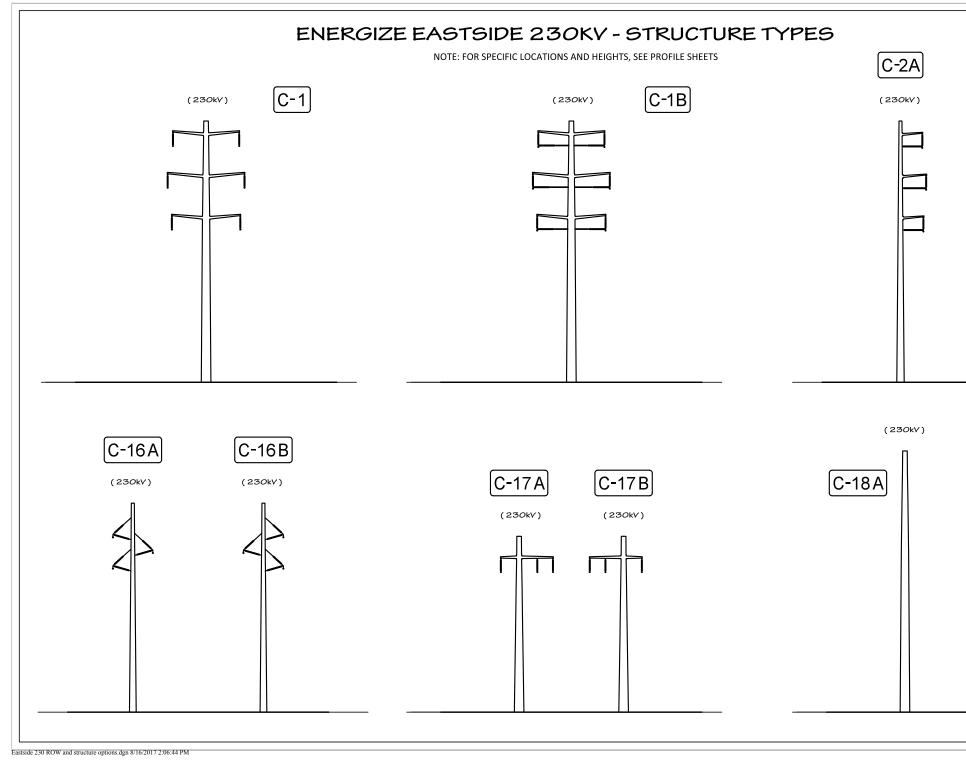
# Page 23 of 25

Date: 9/4/2018

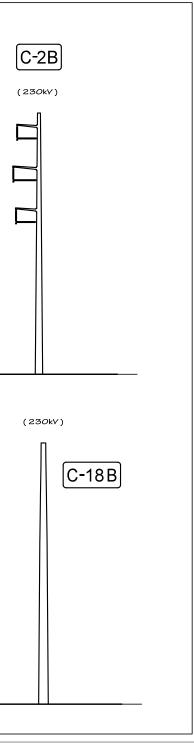








Structure Type	Naming Convention	Description
SCDE	C-18 A/B	Single circuit deadend
SCT	C-16 A/B	Single circuit tangent
DCT	C-1	Double circuit tangent (D denotes OHGW overhead groundwire)
DCA	C-1B	Double circuit angle - equiv to a C1 with a post brace to handle bigger angle
SCHDE	C-17 A/B	Single circuit horizontal deadend (only under SCL line)
SCA	C-2 A/B	Single circuit angle
*number after type	e in table denotes angle	

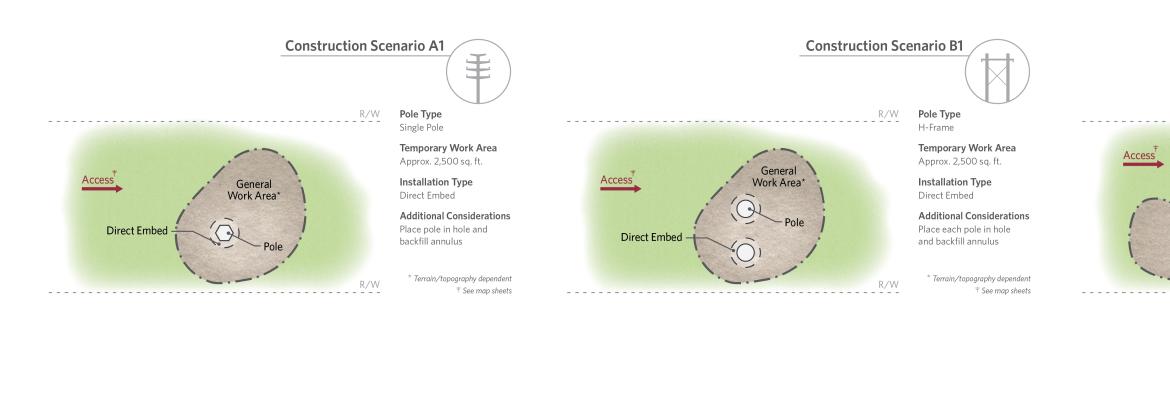


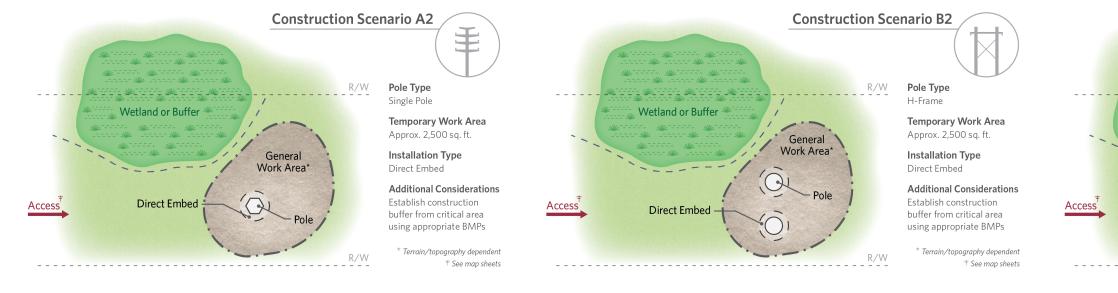
# SOUTH BELLEVUE

BASED ON PSE ENGINEERING DESIGN REVISION K

Appendix A

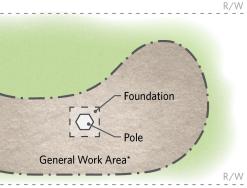
Date: 8/20/2018





Structure Type	Typical Construction Scenario (Not in critical area)	Typical Construction Scenario (In a critical area)
C-1	A1	A2
C-2	C1	C2
C-1B	C1	C2
C-16	A1	A2
C-17	C1	C2
C-18	C1	C2





**Pole Type** Single Pole

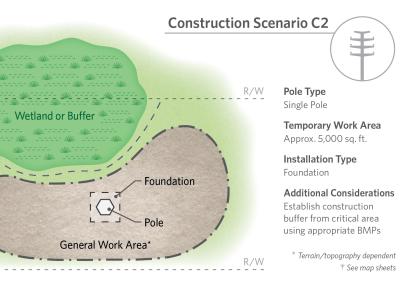
**Temporary Work Area** Approx. 5,000 sq. ft.

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Installation Type Foundation

Additional Considerations Build foundation and install pole

* Terrain/topography dependent † See map sheets

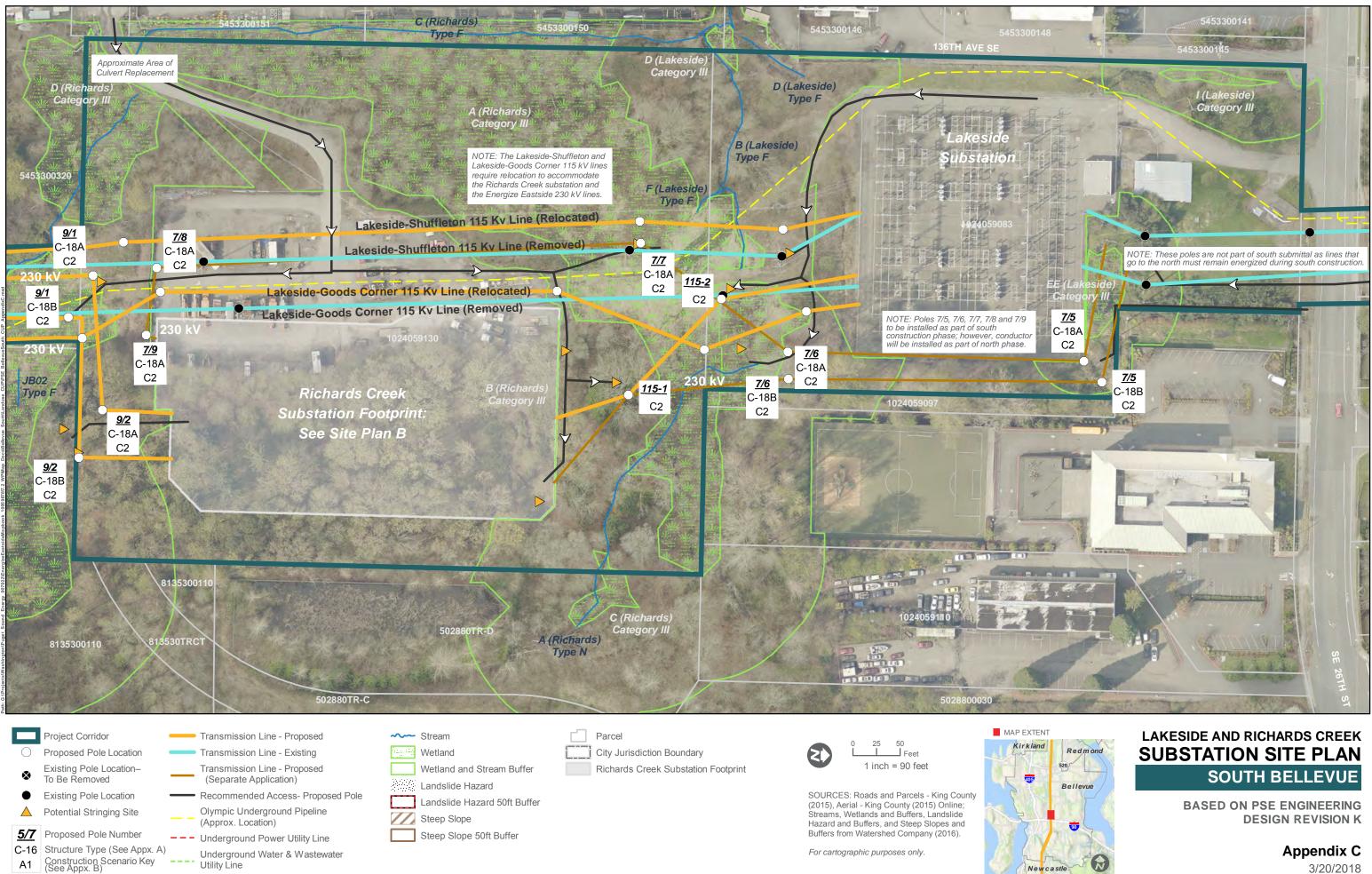


# CONSTRUCTION SCENARIOS SOUTH BELLEVUE

BASED ON PSE ENGINEERING DESIGN REVISION K

Appendix B

Date: 8/20/2018





# Memorandum

17425 NE Union Hill Road, Suite 250, Redmond, WA 98052 - Telephone: 425.861.6000, Fax: 425.861.6050

www.geoengineers.com

То:	Kelly Purnell, Puget Sound Energy	
From:	Elson T. "Chip" Barnett, LG, LEG; Andrew J. Caneday, LG, LEG	Section 10
Date:	September 21, 2018	X
File:	0186-871-07 Task 0300	Engineering Geologist
Subject:	Energize Eastside South Bellevue and Geologic Hazard Critical Areas: City of Bellevue Comment Response	Elson T. Barnett

## INTRODUCTION

GeoEngineers, Inc. (GeoEngineers) has prepared this memorandum in response to a City of Bellevue (City) land use review comment related to the Critical Areas Report for the South Bellevue area July 11, 2017. Kelly Purnell and Kerry Kriner of Puget Sound Energy (PSE) requested this memorandum during a phone conversation with Chip Barnett on September 7, 2018. The memorandum also addresses review comments from PSE received on September 20, 2018. The City provided the following land use review comment in a memorandum dated August 14, 2018:

### "Critical Areas:

## Geologic Hazard Areas

Geologic Hazard Areas are not only regulated for issues of slope stability and safety, but these areas also frequently include vegetation that provides additional critical areas functions. The Critical Areas Report should quantify impacts to vegetation and their critical area functions within a Geologic Hazard Critical Area and associated buffers or structures setbacks. Appropriate mitigation is necessary to address impacts to these functions (i.e. habitat, hydrology, water quality etc.). Provide a discussion of the existing functions these areas provide and describe proposed mitigation to replace these impacted functions.

Page 24 of the South Bellevue Critical Areas Report identifies mapped areas of 40% slope but goes on to state 'many of these areas are developed and include rockeries, landscaped residential or commercial development slopes and cut slopes associated with paved roadways.' The critical areas regulations do take into consideration the presence of rockeries or other retaining features, and areas containing these features are not considered steep slopes. However, the code does not distinguish between natural and un-natural (i.e., man made slopes). Therefore, even if a slope qualifies as a steep slope but contains residential or commercial landscaping, these areas are still regulated as a steep slope and should not be removed from impact analysis.

Please revise areas excluded from analysis consistent with the critical area regulations described above. If areas continue to be excluded because of the presence of retaining features, please explain and identify which map pages these areas can be found so we can evaluate concurrence with these regulations."

Memorandum to Kelly Purnell September 21, 2018 Page 2

## **COMMENT RESPONSE**

We provide comment responses below for man-made areas and structure setbacks.

## Man-made Areas

The City review comment states that the code does not distinguish between natural and man-made slope areas in terms of critical area regulations and asked that impacts from the transmission line project be addressed. We reviewed updated mapping from The Watershed Company provided on September 12, 2018 that includes man-made areas previously removed from our analysis for geologic hazard critical areas. The man-made areas include cut and fill slopes, rockeries and walls and are listed below:

- North of 132nd Avenue SE.
- East of the intersection of Somerset Drive SE and 134th Place SE, north to Somerset Place SE.
- East of the intersection of Somerset Drive SE and Somerset Boulevard SE.
- East of 136th Place SE between SE 43rd Place and SE 43rd Street; and two trees between this area and the intersection of Somerset Drive SE and Somerset Boulevard SE.
- North of the intersection of SE 43rd Street and the PSE right-of-way (ROW).
- South of SE 42nd Street.
- Between SE 37th Street and SE 36th Street.
- East of SE 32nd Street.
- The Richards Creek Substation and Lakeside Substation area.
- Access south of SE 26th Street.
- Cut slopes at Coal Creek Parkway SE.

Each of these man-made areas listed above were previously cleared of vegetation, including considerable grading, during original site construction resulting in little (or no) tree removal in these previously disturbed areas. Previous vegetation removal and grading did not cause wide-spread slope instability or erosion.

The proposed installation of new poles will be less intrusive than the grading and clearing activities associated with the original construction of the made-made areas resulting in little (or no) tree removal in these previously disturbed areas. Furthermore, Best Management Practices (BMPs) proposed under this permit will further reduce the potential for instability and erosion compared to the original construction. As outlined in Land Use Code (LUC) 20.25H.125, pole type construction is the preferred method of construction within steep slope areas. Pole installation has a much smaller footprint than residential or commercial building development contemplated in the regulations.

In localized areas, we anticipate a temporary reduction in evapotranspiration of 50 percent in the first year from removal of vegetation. Our estimate is based on the planned use of BMPs to reduce soil erosion and replanting of shrubs and trees conducive to an existing utility corridor. We anticipate that the potential impacts from the proposed vegetation removal will be considerably less than the impacts during original construction of the man-made areas. During original construction, the impact would have likely been reduction of

Memorandum to Kelly Purnell September 21, 2018 Page 3

evapotranspiration of 100 percent locally for a period of more than 1 year depending on how quickly the disturbed ground was replanted. We also anticipate no reduction in slope stability from tree removal because the root mass will not be removed, and replanted trees and shrubs should be established well before root degradation.

## Structure Setbacks

Although PSE poles are not regulated as structures, we have provided guidance for structure setbacks and tree removal as requested. We reviewed the location of each proposed pole relative to the location of mapped critical areas provided by the Watershed Company. The critical area buffer and structure setback from the City code for landslide hazards and steep slopes is provided in Table 1 below:

Critical Area Category or Type	Critical Area Buffer Width	Structure Setback	Modification of Buffer or Setback
Landslide hazards	Toe-of-slope: None	Toe-of-slope: 75 feet	LUC 20.25H.120
	Top-of-slope: 50 feet	Top-of-slope: None	LUC 20.25H.230
Steep slopes	Toe-of-slope: None	Toe-of-slope: 75 feet	LUC 20.25H.120
	Top-of-slope: 50 feet	Top-of-slope: None	LUC 20.25H.230

## TABLE 1: SELECTED PORTION OF CITY OF BELLEVUE CODE

No poles are proposed within the landslide hazard areas, landslide hazard area buffers, or their setbacks. Table 2 below provides a description of pole locations that are within the mapped areas downslope of the steep slope 75-foot setback areas and our conclusions and recommendations. Some of the pole locations described in Table 2 include replacement of existing poles within the 75-foot setback. It is our opinion that by using standard BMPs the proposed pole installation or replacement will not impact critical area function. The installation of poles on sloped areas is similar to the installation of soldier piles or soil nails and locally reduces the potential for slope movement or instability. Therefore, the poles in the 75-foot setback areas described below should not increase the risk for slope instability or adverse impacts to geologic hazard areas. The table below identifies sites from north to south. In general, for the areas described below, we recommend that standard BMPs are used and soil cuttings for pole installation are disposed of or end-hauled to a stable location.

75-foot Structure Setback downslope from Steep Slope	Conclusion and Recommendation
Steep slopes 150 feet north of ROW intersection with SE 43 rd Street	Replacement poles 8/2 locations are approximately 30 feet northwest and downslope of the steep slopes that include landscaped residential cut and fill slopes. The ROW appears to be regularly maintained and is vegetated with English ivy. Replacement of the poles will continue to provide anchoring of the slope, similar to the existing poles. We recommend the use of track-mounted or limited access equipment for the excavation for the pole west of the park.
Cut slope on the east side of SE 44 th Street.	Replacement poles 8/1 are located at the base of the cut slope along SE 44 th Street. Cut slope appears to be stable. Access will be from the paved areas of the roadway or a paved residential driveway limiting potential impact.
Cut slope on the east side of SE 44 th Street.	Proposed pole 7/18 is located downslope on the west side of roadway, approximately 70 feet away from the cut slope. The cut slope appears stable. Access will be from the paved areas away from the cut slope limiting potential impact the cut slope.

## TABLE 2: SUMMARY TABLE OF POLES WITHIN MAPPED GEOLOGIC HAZARDS AND SETBACKS

75-foot Structure Setback downslope from Steep Slope	Conclusion and Recommendation
Landscape retaining wall near 134 th Place SE and Somerset Drive SE	Replacement poles 7/16 are located within ROW 150 feet east of the roadway intersection. The poles are located upslope and downslope of the retaining wall. The retaining wall appears stable. Access will be limited through residential areas. We recommend the use of track-mounted or limited access equipment for the excavation for the poles.
Steep slope in residential backyard approximately 30 feet upslope of 132 nd Avenue SE	The replacement poles 7/13 are downslope or near the toe of the mapped steep slope that is stable. The pole closest to the steep slope is approximately 40 feet downslope from the mapped toe of the slope. We recommend access occurs from the roadway on track-mounted or limited access equipment for the excavation of the poles to reduce the potential impact to the steep slope area.
Cut slope adjacent to PSE Somerset Substation	Three proposed poles 6/7 are located approximately 170 feet east of Coal Creek Parkway and approximately 30 feet east of the PSE Somerset Substation. Two poles 6/7 are located 20 feet downslope of the stable cut slope. We recommend the use of track-mounted or limited access equipment for pole excavation to reduce the potential impact to the cut slope.

It is our opinion that the poles within the setback areas described in the table above can be installed with a low risk of impact to the geologic hazard critical area.

We appreciate the opportunity to assist you on this project. Please contact us if you have any questions concerning this memorandum or our services.

## ETB:AJC:cam:leh

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

# Conditional Use Permit Comment Response Summary



As requested by the city of Bellevue, PSE is providing the following in response to the public comments submitted to the city as they relate to the Energize Eastside Conditional Use Permit and Critical Areas Permit.

The comments are addressed by general topic as the majority were addressed as part of the related Environmental Impact Statement public comment process. Unique comments that have not been answered previously are also addressed below or in the accompanying letter to the City.

# Background

Electricity is currently delivered to the Eastside area¹ through two 230 kV/115 kV bulk electric substations – Sammamish substation in Redmond and Talbot Hill substation in Renton. The electricity is then distributed to neighborhood distribution substations using the many 115 kV transmission lines located throughout the area. Although PSE has made many 115 kV system improvements in the Eastside area over the years, the primary 115 kV lines that connect the Sammamish (Redmond) and Talbot Hill (Renton) substations to the Lakeside switching station (Bellevue) have not been upgraded since the 1960s. Since then, the Eastside's population has grown from approximately 50,000 to nearly 400,000 people. Growth is expected to continue.

As part of the mandatory North American Electric Reliability Corporation ("NERC") Compliance Enforcement Program², PSE performs an annual comprehensive reliability assessment³ to determine if any potential adverse impacts to the reliability of delivery of electricity exist on the PSE transmission system. Studies performed in 2013 and 2015 demonstrated PSE could not meet federal reliability requirements by the winter of 2017/18 and the summer of 2018 without the addition of 230 kV/115 kV transformer capacity in the Eastside area.

To respond to the deficiencies identified in the transmission planning studies, PSE launched the Energize Eastside project in December 2013. After an analysis of alternatives, PSE ultimately proceeded with a project that entails installing approximately 16 miles of new 230 kV transmission line between the existing Sammamish and Talbot Hill substations using the same utility corridor where 115 kV lines now exist, the construction of a new 230 kV/115 kV electric substation site (Richards Creek substation) and continued aggressive conservation. The Richards Creek substation will be located adjacent to the Lakeside switching station, from which most of the Eastside's 115 kV power is routed to customers.

# System Reliability Planning

The performance requirements of any integrated transmission system are heavily regulated at both the federal and regional levels. PSE's regulators include the Federal Energy Regulatory Commission ("FERC"), the North American Electric Reliability Corporation ("NERC") and the Western Electricity Coordinating Council ("WECC"). As certified by FERC, NERC is the regulatory authority that develops and enforces reliability standards. NERC has delegated the task of monitoring and enforcing the federal reliability standards to WECC, a regional entity that has authority over the Western region, including PSE. Like all system operators, it is PSE's responsibility to plan and operate the electric system to ensure reliable power delivery to customers.

¹ For the purpose of this project, the Eastside is defined as the area between Renton and Redmond, bounded by Lake Washington to the west and Lake Sammamish to the east.

² NERC Reliability Standards for the Bulk Electric Systems of North America

³ PSE Planning Studies and Assessment TPL-001 to TPL-004 and TPL-001-4 Compliance Reports

# energizeeastside **Conditional Use Permit**



# **Comment Response Summary**

The NERC standards mandate that certain forecasts and studies be completed to determine if the system has sufficient capability to meet expected loads now and in the future. When completing transmission planning studies, contingencies are simulated to determine if the electric system meets the NERC mandatory performance requirements⁴ for a given set of forecasted demand levels, generation configurations and levels, and multiple system component outages. This conservative planning methodology, which has been developed over decades, is implemented to prevent large-scale, cascading, transmission system blackouts, like those that have occurred in the recent past (e.g., the 2003 Northeast blackout that affected 55 million people in the Northeast and Midwest regions of the United States and into Canada).

# **Eastside Planning Studies Results**

As stated above, PSE transmission planning studies demonstrated that, under certain contingencies and scenarios, the delivery system on the Eastside cannot continue to meet the mandatory reliability requirements without significant infrastructure upgrades or by dropping load (i.e., turning customers' power off). The Needs Assessment reports, published in 2013 and updated in 2015, which PSE performed pursuant to the mandatory federal transmission planning standards, identified four major areas of concern:

- 1. Overload of PSE facilities in the Eastside area. Specifically, studies identified potential overloading of transformers at Sammamish and Talbot Hill substations. Transformers are a key piece of electrical equipment that allows the electricity to get from its generation source (e.g., wind farm, hydroelectric, etc.) to customers' homes and businesses. Additionally, several 115 kV transmission lines routing power around the Eastside area are also at risk of overloading under certain conditions.
- 2. Small margin of error to manage risks from inherent load forecast uncertainties. PSE's planning studies rely in large part on load forecast data. Imbedded in PSE's load forecasts are several factors that include elements of risk, including conservation, weather, and block loads.
  - Conservation: To date, PSE customers have achieved 100 percent of the company's conservation goals, which are very aggressive according to industry experts. If 100 percent of conservation goals are not achieved, then the transmission system capacity would be surpassed sooner than expected.
  - Weather: PSE's load forecast assumes "every other year" cold weather, which is not as • conservative as most other utilities that study system performance during the coldest and hottest weather in five or ten years. If the region experiences weather extremes outside of those used in the planning studies, electricity demand would surpass the transmission system capacity sooner than expected.
  - Block loads: These include large development projects that add significant load to the • system. If block load growth increases more than anticipated, demand for electricity would surpass the transmission capacity sooner than expected.
- 3. Increased use and expansion of Corrective Action Plans (CAPs) to keep the system compliant. CAPs are a series of steps used to prevent system overloads or loss of customers' power. They are a short-term fix to alleviate potential violations that could put the local area or the entire Western grid at risk. They protect against large-scale, cascading power outages; however, they can put large numbers of customers at increased risk of power outages. For example, to prevent winter overloads

⁴ The transmission planning standards that were in effect in 2012-2013 were: TPL-001-3, TPL-002-0b 2nd Rev (TPL-002-2b),TPL-003-0b 2nd Rev (TPL-003-2b), and TPL-004-2. TPL-001-3, TPL-002-2b, TPL-003-2b, and TPL-004-2 are being retired as they are replaced in their entirety by TPL-001-4. Enforcement started 1/1/15. http://www.nerc.com/pa/Stand/Reliability Standards/TPL-001-4.pdf

# energizeeastside **Conditional Use Permit**



# **Comment Response Summary**

on the Talbot Hill transformer banks, PSE currently is using CAPs, which increases outage risk to customers. As growth continues, additional CAPs will be required.

4. Impacts to regional grid identified by ColumbiaGrid. Because the electric system is interconnected for the benefit of all, it is a federal requirement to study all electric transmission projects to ensure there are no adverse impacts to the reliability or operating characteristics of PSE's or any surrounding utilities' electric systems. ColumbiaGrid, the regional planning entity, produces a Biennial Transmission Expansion Plan that addresses system needs in the Pacific Northwest, including the PSE system. PSE has to be mindful of those plans and understand the identified risks.

PSE's 2015 Supplemental Needs Assessment Report reconfirmed the earlier 2013 Needs Assessment Report by stating the following:

By winter of 2017-18, there is a transmission capacity deficiency on the Eastside that impacts PSE customers and communities in and around Kirkland, Redmond, Bellevue, Issaquah, Newcastle, and Renton along with Clyde Hill, Medina, and Mercer Island. By winter of 2019-20, at an Eastside load level of approximately 706 MW, additional CAPs are required that will put approximately 63,200 Eastside customers at risk of outages.

The 2015 Needs Assessment also confirmed that by summer of 2018, there will be a transmission capacity deficiency on the Eastside that impacts PSE customers and communities in and around Kirkland, Redmond, Renton, Bellevue, Issaquah, and Newcastle along with Clyde Hill, Medina, and Mercer Island. By summer of 2018, CAPs will be required to manage overloads under certain Category C contingencies and the use of these CAPs will place approximately 68,800 customers at risk and could require 74 MW of load shedding, affecting approximately 10,900 customers.

If certain scenarios were to have occurred, PSE may have implemented additional CAPs that could resulted in PSE intentionally turning the power off to tens of thousands of customers in order to help prevent widespread outages to additional tens of thousands of customers in the Eastside area and beyond.

# Solution to Meet the Need

A third party assessment⁵ commissioned by the City of Bellevue confirmed PSE's identification of this transmission capacity deficiency in the Eastside area. Any solution to solve this deficiency must meet all NERC performance criteria, address all relevant PSE equipment overloads, and continue to meet the performance criteria for at least 10 years after construction. The studies for the needs assessment shows that the solution needs to be in-service by winter 2017-18, to meet the NERC TPL-001-4 performance requirements.

After extensive study and evaluating dozens of alternatives⁶, PSE determined that the most effective solution that meets all criteria and complies with the federal performance requirements is the addition of a 230 kV/115 kV transformer in the center of the Eastside load area connected by 230 kV transmission lines from both the Sammamish and Talbot Hill substations, as well as continued aggressive conservation.

⁵ Utilities Systems Efficiencies, Independent Technical Analysis of Energize Eastside for the City of Bellevue, April 28, 2015.

⁶ PSE Eastside Transmission Solutions Report, King County Area, October 2013; Updated 2014 & Supplemental Eastside Solutions Study Report, Transmission System, King County, May 2015.

# Conditional Use Permit Comment Response Summary



# **Project Need**

PSE disagrees with unsubstantiated commenter statements related to project need. Energize Eastside is needed to address area growth and to meet federal reliability requirements during peak demand for electricity. This has been confirmed by independent experts retained by Bellevue and as part of the EIS process. The last major upgrade to the backbone of the Eastside's electric grid was more than 50 years ago. Since then, our population has grown eight-fold, and the demands residents and businesses place on the system have increased. Four years ago, PSE's studies– again, confirmed by independent experts–revealed our transmission grid is strained today under peak conditions, just at the time when our customers need reliable power the most.

As stated above, the city of Bellevue retained - at the request of members of the public - an independent expert, Utility System Efficiencies, Inc. (USE) to perform an independent study of project need. Members of the public helped the city determine the scope of the study. USE modeled scenarios in power flow cases and verified that PSE followed industry practice in forecasting demand load.

Based on key questions posed by the public, the April 28, 2015, USE study concluded:

- Is there a need for this project to address growth in Bellevue? YES.
- Is the EE project needed to address the reliability of the electric grid on the Eastside? YES.
- If the load growth rate was reduced, would the project still be needed? YES.
- If generation was increased in the Puget Sound area, would the project still be needed? **YES**.
- Is there a need for the project to address regional flows, with imports/exports to Canada (ColumbiaGrid)? Modeling zero flow to Canada, the project is still necessary to address local need.

In addition to the review by Bellevue's consultant, the Partner Cities, retained their own independent EIS subcontractor, Stantec, to review and opine on the PSE needs assessment. Stantec stated:

"Based on my expertise, I found that the PSE needs assessment was overall very thorough and applied methods considered to be the industry standard for planning of this nature. Based on the information that the needs assessment contains, I concur with the conclusion that there is a transmission capacity deficiency in PSE's system on the Eastside that requires attention in the near future." - <u>Review Memo by</u> <u>Stantec Consulting Services Inc.</u>, July 31, 2015.

PSE is a heavily regulated investor-owned utility whose actions are carefully monitored and reviewed by the Washington Utilities and Transportation Commission (UTC). PSE invests in capital infrastructure based on need and consequence – i.e., what happens if the infrastructure is not built. Our rate of return is regulated by the state, not PSE. The company's rate of return on any infrastructure investment is never guaranteed, contrary to what has been stated by many commenters, and may change with every rate case.

Reliable power is critical to the community's health, safety and vitality. The alternative of doing nothing or delaying the project could put the Eastside at an economic disadvantage and could have local economic impacts, as indicated by an independent study by Nexant.⁷

It is PSE's responsibility to provide safe, reliable power to all of its customers. Energize Eastside is the most reliable and cost-effective solution for doing so and the need has been confirmed.

⁷ http://www.energizeeastsideeis.org/uploads/4/7/3/1/47314045/pse_energize_eastside_outage_cost_study______final___10.30.2015_.pdf

# Conditional Use Permit Comment Response Summary



# **Pipeline Safety**

When evaluating the replacement of the existing 115 kV transmission lines with 230 kV lines in the utility corridor, one of the key factors studied was the impact (if any) of the colocation of the transmission lines with the petroleum pipelines operated by Olympic Pipeline Company (Olympic). Customer safety is PSE's first priority, and we have a long history of working closely with Olympic to ensure continued protection and safe operations of existing pipelines and high voltage transmission lines that have shared the corridor for decades.

PSE proactively engaged a technical consultant, DNV GL, to study and provide recommendations on collocating Energize Eastside with Olympic's pipelines. This study was one of the first conducted by a transmission line operator to assess the potential AC interaction between the transmission lines and the pipelines⁸. Based on DNV GL's recommendations, in order to minimize AC interaction with the pipeline(s), PSE has designed the project to have at least a 13-foot separation distance between the pipeline and the pole grounding system. This exceeds both federal regulations and Olympic's requirements for separation. Additionally, using the existing corridor and mitigating impacts by operating both of the replacement lines at 230 kV, is expected to reduce the level of potential interaction to less than the modeled conditions of the existing 115 kV system.

PSE continues to work with Olympic to refine the design of the transmission line in accordance with industry and engineering best practices for the safe construction and operation of both facilities. This effort includes using advanced technologies like ground-penetrating radar to survey pipeline locations. During construction, PSE and Olympic follow prescribed notification and inspection procedures when working in the corridor. Prior to excavation work in the corridor, PSE and Olympic meet onsite to inspect the area and confirm the location of the pipeline(s). Additionally, specialized equipment is typically used for the excavations required for pole installation. Vacuum trucks are commonly used to excavate the holes to depths greater than the pipelines.

The Partner Cities' EIS team also analyzed pipeline safety, which is documented in the Final EIS in Chapter 4.9 Environmental Health – Pipeline Safety and in Section 6.18 Summary of Response to Comments on Public Services. The Final EIS concluded that:

"Even with worst-case assumptions related to the increased risk during operation and construction, the likelihood of a pipeline release and fire would remain low, and no substantial increase in risk compared to the existing conditions was identified. It is expected that with the implementation of additional mitigation measures, any increase in risks within the corridor can be fully mitigated. As a result, no significant unavoidable adverse impacts have been identified." (page 1-31)

As stated previously, PSE's existing transmission lines and Olympic's pipelines have shared a utility corridor for more than 40 years. During that time, PSE has safely replaced poles within the shared utility corridor. In 2007 and 2008, PSE worked with Olympic to replace more than 130 poles and reframe more than 200 poles in this corridor and others. As recently as 2016, we safely replaced two poles adjacent to the pipelines in Newcastle. PSE understands the community's concerns, and we will continue to work with Olympic Pipeline to implement safe construction practices and operations.

⁸This study was recently presented by DNV-GL at the 2018 National Association of Corrosion Engineers (NACE) national conference.

# energize**EASTSIDE** Conditional Use Permit



# Comment Response Summary

# Using the existing transmission corridor limits impacts

By using the existing corridor, Energize Eastside affects the fewest number of trees and avoids the construction of new utility corridors. The existing corridor was first developed during the late 1920s and early 1930s. Neighborhoods have since built up around it and PSE has managed and maintained (i.e., topped and/or trimmed) the trees underneath the existing transmission lines to prevent them from causing safety and reliability issues.

The Partner Cities' Final EIS confirms that "PSE's policy is to restore vegetation other than trees within transmission corridors to as like or better condition. Outside of the Managed Right-of-Way, tree replacement is agreed upon with the property owner (in some cases the owner may prefer tree removal without replacement). Tree replacement would also comply with local code requirements, as described above in Section 3.4.1 of the Phase 2 Draft EIS." (Section 4.4.4.1, page 4.4-4).

Furthermore, the EIS process considered a worst-case scenario for tree removal, and the maximum number of trees that could potentially be removed for the entire project (from Redmond to Renton) is about 3,600 trees. However, this overestimates the number of trees that will be removed, because PSE is working with property owners to better assess and reduce the number of trees affected. We know our customers value trees. PSE will meet the tree replacement mitigation requirements and work with property owners to replace trees. Our goal is that, when the project is complete, there will be more trees, not fewer. We're working with city staff, and with property owners, to ensure that we accomplish this.

## **Energy Facility Site Evaluation Council (EFSEC)**

Commenters have questioned why PSE has not applied to EFSEC as a way to seek approval for the Energize Eastside project. Transmission line projects are not commonly reviewed through the EFSEC process. Additionally, it is decision of the utility as to whether they seek review under EFSEC. PSE understands and is fully aware of the various EFSEC processes. However, at this time, PSE has determined that working directly with the various jurisdictions allows for the most collaborative approach.

## Other alternatives were studied; Energize Eastside is the right solution

The Partner Cities' EIS Team and PSE, as well as other experts, have studied other alternatives, including conservation/energy efficiency, new generation, and batteries. These alternatives were eventually eliminated because they did not solve the problem, did not meet federal planning standards, would be difficult to permit, or rely on voluntary participation.

We understand customers want us to consider innovative solutions like batteries. PSE and energy storage industry experts determined batteries are not a cost-effective or practicable solution for the Eastside's transmission capacity deficiency. This technology has not been used for the type and scale of problem facing the Eastside.

Energize Eastside solves the Eastside's transmission capacity deficiency. The project's combination of continued aggressive electric conservation, a new substation, and upgraded transmission lines is the most reliable and cost-effective solution. To review the various studies on alternatives, visit the Partner Cities' EIS Library <u>www.EnergizeEastsideEIS.org/library.html</u>.

# energize**EASTSIDE** Conditional Use Permit



# **Comment Response Summary**

# **Electro-magnetic Fields (EMF)**

Electro-magnetic fields were addressed during the EIS process. The FEIS states "There are no known health effects from power frequency EMF. For all proposed segments and options, the calculated magnetic field levels would be well below reference guidelines. Therefore, under PSE's Proposed Alignment, impacts would be less-than-significant." The FEIS also states that: "Operation of the proposed transmission lines would result in a decrease of magnetic field levels for PSE's Proposed Alignment relative to the No Action Alternative" (*i.e.*, current conditions). FEIS at page 4.8-9.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
1	1/1	Anderson, Daren	9424 117th Ave NE, Kirkland WA 98033	14-Nov-17	What if multiple batteries are interconnected at 12.5 kV at multiple locations	Please refer to the 2015 Eastside System Ene 2018 Report Update by Strategen Consulting
2	1/3	Warme, Jeanne	13608 NE 36th Pl. 98005	14-Nov-17	My primary concerns are in regards to transparency, aesthetics and safety. 1. <u>Transparency:</u> Is this project <i>really</i> needed? Is it truly the best way to solve the problem and are local needs truly being considered? I've heard PSE's speil and looked at their website, but NONE of those questions have been honestly addressed.	Yes, the project is really needed. PSE looked Solutions Study 2015) and local needs are be project. Two of those studies were conducte Environmental Impact Statement (EIS) team. our professional transmission planners verifie Please see the attached Comment Response
3	2/3	Warme, Jeanne	13609 NE 36th Pl. 98005	14-Nov-17	My primary concerns are in regards to transparency, aesthetics and safety. 2. <u>Aesthetics:</u> What PSE says they will deliver (less poles, better use of space, healthier trees) and what their own images project are VASTLY different. I hope you heard the collective GASPS in the room when those images were shown. We live in Bellevue because it is a beautiful place and not an industrial site. Sure, if this was ONLY or BEST way, we would accept it - but it is <u>not</u> and it will destroy so much of what makes Bellevue beautiful.	Comment noted. Please see the attached Co aesthetic impacts for additional information. ways to avoid, reduce and mitigate for aesth
4	3/3	Warme, Jeanne	13610 NE 36th Pl. 98005	14-Nov-17	My primary concerns are in regards to transparency, aesthetics and safety. 1. <u>Safety:</u> I have yet to see a truly independent assessment of the safety of the pipeline co-existing with the existing powerlines - nevermind safety voltage AND construction. And interestingly in the 10 years we've owned our home, only once has the pipeline been inspected for safety and that was within the past 6 months. This is a HUGE concern to me.	Please see sections 4.9 and 5.9 of the FEIS fo The Olympic pipeline and the two existing 12 for decades. PSE and Olympic have a long his Eastside. According to page 4.9-7 of the FEIS, Olympic Additional information is also provided in the

nergy Storage and Alternatives Assessment and subsequent ng.

ed at many solutions (Solution Study 2014 and Supplemental being considered. Five studies have affirmed the need for this sted by independent experts for the City of Bellevue and the m. Independent consultants hired by the City of Bellevue and ified the need for the Energize Eastside Project.

se Summary and EIS for additional information.

Comment Response Summary and EIS section addressing on. PSE continues working with the partner cities to identify thetic impacts.

for information related to this comment.

115kV transmission lines have safely shared the same corridor history of working together and that continues with Energize

ic Pipeline patrols the pipeline corridor on a weekly basis. he same section of the FEIS.

Line #	Ē	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
5	1/10	Alavi, Barry		8-Feb-18	My name is Barry Alavi, I am a Professional Engineer (PE) and Project Management Professional (PMP). I was an adjust professor on risk management at University of Washington for more than 5 years. I have more than 35 years of experience in building large infrastructure projects for the energy, aviation and transportation industries globally, USA and Canada. I am also father of Darian Alavi who attends the Chestnut Hill Academy (CHA) located at 13633 SE 26th St in Bellevue, Washington. CHA is within 150' of the fence line of the existing PSE substation and will be proximate to the future proposed sub-station to the south of the CHA campus. My wife and I are concerned about the expansion of the substation, the increase in power lines voltages (115KVa to 230KVa) and the risks and exposures associated with such an expansion to the public, CHA staff and students. The Olympic pipeline (jet fuel, diesel and gasoline, owned and operated by BP, British Petroleum) 16" pipeline lateral shares a right of way with PSE power lines. There are several issues that I have brought up in various meetings with PSE and BP. The issues are : <b>BP Pipeline:</b> 1) What are the impacts of the voltage increase on the existing Cathodic protection system? AC currents leaking into the pipeline from power lines above 15 Volts causes surface corrosion (that leads to eventual crack and leakage), what measure are being taken to ensure that limit is not exceeded? What are the current measurements?	We understand your concerns and have unde collocation of the BP pipeline with PSE's facili extent feasible the transmission line's interact Draft EIS and Section 4.9 of the FEIS for infor addresses the potential for interactions betw The Olympic pipeline and the two existing 11 for decades. PSE and Olympic have a long his Eastside. PSE does not have specific operatio Olympic's (BP's) pipeline system.
6	2/10	Alavi, Barry		8-Feb-18	<b>BP Pipeline:</b> 2) The pipeline pressure fluctuations or cyclic pressure swings are a concern, what is BP doing to ensure a uniform operating pressure? The fluctuations contribute to micro cracks that could lead to a pipeline leak or explosion.	See section 4.9 of the FEIS for information re the FEIS, "Because the Energize Eastside proj operating parameters of the pipeline, the por regardless if it occurred under the No Action pressure management, PSE cannot speak wit operations.
7	3/10	Alavi, Barry		8-Feb-18	<b>BP Pipeline:</b> 3) What measures are PSE and BP taking to minimize impact to the pipeline during construction? This relates to installation of tall power poles proximate to the buried pipelines. Induced vibration due to construction activity is a concern. The pipe in a 1955 vintage steel pipe coated with tar and asbestos,	See section 5.9 of the FEIS for information. T locations, is based on detailed surveys of the this location information, the pole locations w construction. PSE is working closely with OPI pipeline and inspection protocols and reporti that the pipeline was not impacted during co observer will also be onsite during construction construction in proximity to the pipeline.
8	4/10	Alavi, Barry		8-Feb-18	<b><u>BP Pipeline:</u></b> 4) The new sub-station south of CHA will have a permanent access road over the pipeline, what are measures taken during Design and Construction to minimize impact on pipeline ? What outages are scheduled for the pipeline during construction?	See Section 5.9 of the FEIS for information. locations, is based on detailed surveys of the this location information, the pole locations w construction. PSE is working closely with OPL pipeline and inspection protocols and reporti that the pipeline was not impacted during co specific operational information on Olympic's

dertaken extensive analysis to ensure the continued safe cilities. The route ultimately pursued by PSE minimizes to the faction with the pipeline. Please see Section 3.9 of the Phase 2 prmation. Please also see the DNV-GL study which directly tween the utility facilities.

115kV transmission lines have safely shared the same corridor nistory of working together and that continues with Energize ional information on, nor can it make representations regarding

related to Olympic's operations. As stated on page 4.9-25 of oject does not affect pipeline pressure and flow rates, or other ootential characteristics of a spill or fire would be the same on Alternative or Alternative 1." Regarding BP operating with specificity or make representations regarding BP's

The design of the Energize Eastside project, including the pole ne pipeline's existing location along the project route. Using s were selected to avoid impacts to the pipeline during PL on implementing construction procedures to protect the rting to verify that all procedures are followed and to confirm construction of the Energize Eastside project. A third party ction to ensure implementation of all BMPs related to

The design of the Energize Eastside project, including the pole ne pipeline's existing location along the project route. Using s were selected to avoid impacts to the pipeline during OPL on implementing construction procedures to protect the rting to verify that all procedures are followed and to confirm construction of the Energize Eastside project. PSE does not have c's pipeline system.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
9	5/10	Alavi, Barry		8-Feb-18	<b>BP Pipeline:</b> 5) On SE 26th there is a valve station that is above ground , BP shall install bollards in front of the pipe and valve assembly to prevent vehicle intrusion and accidents that can occur if a car veered off the main road onto the assembly. The design shall be submitted to CHA for review and approval.	Comment noted; however, PSE does not ope
10	6/10	Alavi, Barry		8-Feb-18	PSE 1) There are several poles that are within 30 feet of CHA fence line on the west property line, these will create excessive EMF, would PSE consider under-grounding these lines (buried power lines) ?	The Energize Eastside project will not create information. See Section 2.2.2 of the Phase 2 transmission lines.
11	7/10	Alavi, Barry		8-Feb-18	<b>PSE</b> 2) The plans show only the 16" pipeline at the new sub station, but there are two pipelines, Can PSE show the location of the 20" buried pipeline ?	At the new substation location (Richards Crean not located on the Richards Creek substation Coal Creek Parkway, and then follows Coal Creek rejoins the 16" pipeline at the gate station lo
12	8/10	Alavi, Barry		8-Feb-18	<b>PSE</b> 3) What are the projected EMF levels after upgrade to 230kv ?	Section 4.8 of the FEIS addresses anticipated
13	9/10	Alavi, Barry		8-Feb-18	<b>PSE</b> 4) What type of foundations are being installed for the new poles , how is the induced vibration onto the pipeline is mitigated ?	The new poles will be directly embedded into foundation could vary based on location in th foundation. See section 5.9 of the FEIS for information. A including the pole locations, is based on deta project route. Using this location informatio pipeline during construction. PSE is working protect the pipeline and inspection protocols to confirm that the pipeline was not impacted
14	10/10	Alavi, Barry		8-Feb-18	PSE5) What are the existing AC levels of voltage at the pipeline ? Is the existing cathodic protection adequate for the future increase voltage ?We have not received any responses from BP on the pipeline issues as they advised that information is company confidential. As a reference I would like to note that due to blast zone concerns in state of California, the state does not allow any public facility within 1500 feet of an operating pipeline (https://www.cde.ca.gov/ls/fa/sf/title5regs.asp). Although the probability of a pipeline explosion is low, the consequences of the event to the CHA (over 200 students and staff which is located within a few hundred feet of the pipeline and substations) is not acceptable (not tolerable).We believe the project is not necessary and will create substantial impacts to the environment and the public. Please contact me if you like to have a	Please see Section 4.9 of the FEIS for informa Please see page 4.9-12 for information from The upgrade of these transmission lines will I standards and in compliance with federal, sta Please see the Comment Response Summary

perate BP's facilities.

e excessive EMF. Please see Section 4.8 of the FEIS for e 2 Draft EIS for information related to undergrounding

reek), only the 16" pipeline is located on site. The 20" pipeline is on property. The 20" pipeline departs from the 16" pipeline at Creek Parkway, Factoria Boulevard, and SE 26th Street, until it located to the north of the Lakeside substation.

ed EMF levels.

nto the ground or installed on a foundation. The type of the corridor but will likely be a drilled pier or pile type

Additionally, the design of the Energize Eastside project, etailed surveys of the pipeline's existing location along the ion, the pole locations were selected to avoid impacts to the ng closely with OPL on implementing construction procedures to ols and reporting to verify that all procedures are followed and ted during construction of the Energize Eastside project. mation related to AC voltage levels.

n Olympic Pipeline related to the cathodic protection system.

II be designed and built in accordance with current engineering state, and local laws and codes.

ry for additional information related to project need.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
					conversation on these issues. Thank you!	
15	1/3	Johnson, Larry	8505 129th Ave. SE, Newcastle, WA 98056	5-Feb-18	EMAIL: CSEE submission re PSE IRP, Docket UE-160918 1. <u>"1,500 MW to Canada"</u> Energize Eastside (EE) is an old, dusted-off project whose primary intent was to meet a perceived need in 2003 for delivery of more power to Canada, in an area technically called the Northern Intertie at the Canadian border. BPA led this charge, concerned that up to 1,500 MW of power might be needed to send to Canada under a treaty with the United States. 1,500 MW is a lot of power, about what the city of Seattle consumes daily under normal conditions. This 2003-inaugurated project was called Snohomish-Lakeside-Talbot. "Energize Eastside" is still called Snohomish-Lakeside-Talbot by ColumbiaGrid, the regional entity that PSE belongs to. Yet without disclosing the historical origins of EE, PSE dusted it off in 2014 and claimed it was a "new" project for local load only. Nevertheless, PSE kept in EE the supposed need to supply Canada with 1,500 MW from the old project (1,500 MW that can never be delivered, anyway — see Section 2 below), and used that as a factor in PSE-sponsored load flow studies to justify EE. USE, an independent consultant hired by the City of Bellevue, assumed PSE's 1,500 MW assumption was correct and erroneously adopted it without question. Without that 1,500 MW factored into the computer simulation for an extreme cold day — an event that would stress system reliability — we now know there is no need for EE. The Lauckhart-Schiffman load flow studies prove that, and these are the only load flow studies ever done that are totally transparent. PSE has steadfastly refused to fully disclose the key data it used in its studies, though we know it had to have 1 relied on these bogus 1,500 MW to make its studies come out the way they wanted. PSE claims there is a "firm commitment" for PSE to deliver those 1,500 MW, though BPA in a reply to my FOIA request states that no such firm commitment exists.3 And clearly, neither PSE nor its customers are required to pay for local transmission sufficient	Operationally, there are always power flows north to south during the summer and south prepared for Bellevue by Utility Systems Effic "The Optional Technical Analysis examined the transfers to Canada). Although this scenario in to provide data on the drivers for the EE projected. The results showed that in winter 2017 the Talbot Hill 230/115 kV transformer #2 word different outage scenarios). The projected over reliability regulations." EIS Phase 2, Chapter 1 - Based on federally mexisting transmission system could place East power outages or system damage during peate early as the summer of 2018 (PSE, 2017). PSE add a 230-to-115 kV transformer within the constrained over the north and south. By having line be supplied even if one line goes down.
16	2/3	Johnson, Larry	8505 129th Ave. SE, Newcastle, WA 98056	5-Feb-18	<ul> <li>EMAIL: CSEE submission re PSE IRP, Docket UE-160918</li> <li>2. <u>Voltage collapse</u></li> <li>ANY such 1,500 MW "commitment" is impossible to meet, anyway. Why? Because there would not be transmission capability over the Cascades to deliver the needed amount of power to meet Puget Sound Area peak load and deliver this 1,500 MW to Canada. If PSE ever were to try to send 1,500 MW to Canada, or even significantly lesser amounts, there would be a voltage collapse as a result. To prevent appliances and motors from being</li> </ul>	The commenter misinterprets voltage collaps same. PSE has already seen flows more than December that constitute peak summer and Operationally, there are always power flows north to south during the summer and south prepared for Bellevue by Utility Systems Effic "The Optional Technical Analysis examined th transfers to Canada). Although this scenario i

vs across the northern intertie. Typically, the power flows from th to north in the winter. However, as stated in the report ficiencies, Inc. (2015):

this issue by reducing the Northern Intertie flow to zero (no o is not actually possible due to extant treaties, it was modeled oject, to examine if regional requirements might be driving the 17/18, even with the Northern Intertie adjusted to zero flow, would still be overloaded by several contingencies (several overloads indicate a project need at the local level to meet

mandated planning standards, PSE's analysis found that the astside customers and/or the regional power grid at risk of eak power events that typically occur in cold or hot weather as SE's analysis concluded that the most effective solution was to e center of the Eastside to relieve stress on the existing 230-tothe area. This would need to be fed by new 230 kV transmission ines from two different directions, a substation can continue to

apse. Voltage collapse and low-voltages are not one and the an 1,500 MW on the lines during the months of July and ad winter load periods.

vs across the Northern Intertie. Typically, the power flows from th to north in the winter. However, as stated in the report ficiencies, Inc. (2015):

I this issue by reducing the Northern Intertie flow to zero (no o is not actually possible due to extant treaties, it was modeled

4

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
					fried due to low voltages, there would have to be a massive power shutdown in Western Washington in such an event. In other words, a blackout. PSE's load flow studies must surely have shown them that, and that is almost certainly the reason why they won't show their homework.	to provide data on the drivers for the EE project need. The results showed that in winter 2017, the Talbot Hill 230/115 kV transformer #2 wo different outage scenarios). Again, the project meet reliability regulations." Further discussi warranted.
17	3/3	Johnson, Larry	8505 129th Ave. SE, Newcastle, WA 98056	18-Jan-18	<ul> <li>EMAIL: CSEE submission re PSE IRP, Docket UE-160918</li> <li>3. No Eastside "backbone", but rather a 115 kV network that needs no upgrading</li> <li>PSE's PR about the "backbone" of the grid on the Eastside having not been upgraded since the 1960s is not true. Starting as early as 1992, PSE considered upgrading the Lakeside transformer and feeding it with 230kV lines to replace the existing 115kV lines as contemplated by EE. Instead, over the years PSE has built a number of new 115kV lines to meet energy demand increases in the 1990s and into the early 2000s. What we have on the Eastside is a 115kV network, not a single backbone. See the attached graphic prepared by former Puget Power VP for Power Planning, Richard Lauckhart, that shows this 115kV network. This system needs no further "upgrading."</li> </ul>	The PSE's Needs Assessment (2013) and Supp need is the 230 kV/115 kV transmission capac the 115 kV network. This result is based on in- experts. Utilities are required to rigorously pla transmission system to meet mandatory Nort Western Electricity Coordinating Council (WEG Utilities (including PSE) must ensure the syste range of scenarios of normal and not-so-norm extremely hot, extremely cold, or when comp powerline down for repair, equipment failure not optional; they are required.
18	1/3	Johnson, Larry	8505 129th Ave. SE, Newcastle, WA 98056	18-Jan-18	<ul> <li>EMAIL: CSEE submission re PSE IRP, Docket UE-160918</li> <li>A. PSE's IRP clings to outmoded forms of energy production and distribution.</li> <li>PSE stubbornly ignores your admonition to produce an IRP consistent with new technologies, clean energy, and a holistic approach to energy. It has consistently resisted adequate measures to reduce the carbon emissions and toxic chemicals spewing out of the Colstrip plant in Montana. Further, PSE compounds its backward-looking vision by promoting Energize Eastside ("EE"), a \$300 million dinosaur of a transmission project that would replace older wooden poles with even bigger steel towers to transmit four times the existing power — towers placed dangerously close to two aging pipelines pumping jet fuel under pressure through the Olympic Pipelines from Bellingham to SeaTac and beyond.</li> <li>EE is an environmental and public safety disaster waiting to happen. Yet PSE fights all public opposition tooth and nail because this project was incentivized by a nearly 10% state-guaranteed return on infrastructure investment. Maximizing corporate profit, promoted by our laws, drives this project. To date PSE has reportedly spent up to \$50 million in PR and legal fees to sell EE to the public with phony "load flow studies" (hiding key data from the public) and an onslaught of false advertising. Consistent with such practices, P 1 SE plays the same hide-the ball tactics in its efforts to sell a half-baked IRP to the UTC.</li> </ul>	This comment contains a series of incorrect st regarding the CUP analysis. The application be over the IRP, which is not a permit application noted that the statements made are incorrect

bject, to examine if regional requirements might be driving the L7/18, even with the Northern Intertie adjusted to zero flow, would still be overloaded by several contingencies (several ected overloads indicate a project need at the local level to ssion related to flows over the Northern Intertie are not

pplemental Needs Assessment (2015) have shown that the acity, which supplies the 115 kV network. The need is not on in-depth analysis by qualified experts, including third party plan the transmission system. To do this, PSE plans its orth American Electric Reliability Corporation (NERC) and /ECC) reliability performance requirements.

tem will maintain reliable service to customers under a wide rmal conditions. These conditions include when the weather is nponents of the system are out of service (i.e., existing re, or other unexpected outage). These federal regulations are

t statements, and offers opinion. No question is contained before Bellevue is a CUP; a different agency has jurisdiction ion. It is not clear what question is being asked. It should be ect.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
19	2/3	Johnson, Larry	8505 129th Ave. SE, Newcastle, WA 98056	18-Jan-18	EMAIL: CSEE submission re PSE IRP, Docket UE-160918 B. Energize Eastside is not needed and thus not a "resource" PSE can legitimately designate in its IRP. Richard Lauckhart is a former Vice President for Power Planning for what was then Puget Power. He has retained an abiding interest in assuring that the ratepayers he served for so many years not be called upon to suffer and pay for a needless, dangerous, and environment tally harmful project. On January 8, 2018, Mr. Lauckhart submitted to you his detailed analyses about PSE's false project assumptions and rigged load flow studies undertaken to sell EE to city councils and the public. Mr. Lauckhart's white paper is supported by a host of detailed technical facts. CSEE endorses Mr. Lauckhart's analyses and conclusions which are attached to the email transmitting this letter. At a minimum, PSE needs to explain to the UTC and fully document much of the sought-after information it has withheld from CSEE, CENSE and Mr. Lauckhart, even after FERC told PSE that Mr. Lauckhart was CEII-cleared and deserved to have the complete data from the PSE- sponsored load flow studies. Among other things, the UTC should order PSE that the load flow data that Mr. Lauckhart, CSEE, and CENSE have been requesting for over the past three years be given to him. Additionally, another authoritative voice spoke our recently against EE for reasons such as those given by Mr, Lauckhart. Mr. Steve Funk, a former Chairman of the Bellevue Planning Commission, last week wrote in a Bellevue Reporter op-ed: "As a commissioner I thought of the city as a machine in which every part works together for the benefit of neighborhoods and the city as a whole. Energize Eastside appears to place burdens on residents and neighborhoods to facilitate rapid development in downtown Bellevue and the new Spring District. However, the premise of the project has been thrown into doubt by new technology and declining consumption of electricity. "SE is repeating the same mistake Seattle C	These comments are related to PSE's Integra different agency has jurisdiction over the IRP

rated Resource Plan (IRP) and not the CUP application. A RP, which is not a permit application.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
					fired plant. Additional batteries can be installed to exactly match our need instead of building an expensive transmission line with more capacity than we may ever need.	
20	3/3	Johnson, Larry	8505 129th Ave. SE, Newcastle, WA 98056	18-Jan-18	<ul> <li>EMAIL: CSEE submission re PSE IRP, Docket UE-160918</li> <li>C. The UTC needs to use the woefully limited power it has to signal to PSE and its investor owners that Energize Eastside is imprudent and unworthy of reimbursement.</li> <li>The King County Bar Association's publication, Bar Bulletin, published my article, "The Toothless Washington Utilities and Transportation Commission," in March 2017.3 I arguein the article that the UTC is virtually unique among all other such state utility commissions in not having the power to stop an ill-considered project before it is built. The UTC can only deny reimbursement for a project after such a project is built, after all the harm has been done. Not surprisingly, the UTC has never exercised even this somewhat futile option, leaving open the question of what, beyond rates, the UTC can effectively regulate.</li> <li>Nothing in Washington law prevents the UTC from issuing a non-binding written opinion stating that building Energize Eastside would be imprudent, based on the existing evidence and subject to a responsive rebuttal from PSE. Your opinion could be provisional and subject to change if the evidence warranted it. But, with due process fully preserved for PSE, why does the UTC have to remain silent now? Not only would your provisional opinion be a fair and responsible thing to do to protect the public, but it would also serve as a fair warning to PSE's foreign investor owners.</li> <li>PSE's continuing passive-aggressive approach to formulating a proper IRP presents an opportunity for the UTC to act proactively not only on Colstrip, but on Energize Eastside as well. Further, if in the extreme case PSE chooses to continue to ignore and game the UTC and the public regarding its IRP and boondoggle projects, then I submit the UTC has the inherent power to disenfranchise PSE and invite another entity to take its place. PSE was not given a permanent and perpetual monopoly, unaccountable to those who granted that monopoly.</li> </ul>	Comments and opinions noted, however, no
21	1/1	Aramburu, Rick	Aramburu & Eustis, LLP 720 Third Avenue, SUITE 2000 Seattle, WA 98104	17-Jan-18	Read Attachment: 2018-1-17 CENSE re PSE Segmentation.pdf	PSE's CUP application is consistent with State have been submitted for the southern portic

no questions are posed.

ate and City regulations. To date, the major permit applications tion of the project.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
22	1/1	Aramburu, Rick	Aramburu & Eustis, LLP 720 Third Avenue, SUITE 2000 Seattle, WA 98104	10-Jan-18	Read emails and attachments from Line 21	Five studies have affirmed the need for this experts for the City of Bellevue and the Envir consultants hired by the City of Bellevue and the Energize Eastside Project.
23	1/1	Smith, Dean	Bellevue, WA	7-Mar-18	PLEASEDon't let PSE get away with their costly, unnecessary, nature and neighborhood destroying Energize Eastside project. Don't let a foreign owned monopoly ruin our cities.	Comment noted.
24	1/1	Simmons, DeEtta		10-Mar-18	Dear Ms. Bedwell, I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. 3. It damages communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Please notify me when any Bellevue public hearing for this project is announced. Sincerely, [YOUR NAME] [YOUR ADDRESS]	Please see the attached Comment Response
25	1/1	LeVeque, Marcia	3625 Lake Washington Blvd N, Renton, WA 98056	10-Mar-18	I'm against PSE getting approval for their Energize Eastside project. Current studies have shown that there is insufficient need for this project. The large poles and transmissions lines do not belong in our beautiful neighborhoods. I believe battery storage is an idea that should be addressed. Many other cities are already doing this. Our area is very progressive and I feel the current Energize Eastside project is definitely a step backwards.	Please see the attached Comment Response
26	1/1	Moore, Bob	4707 135th Place SE Bellevue, WA 98006	10-Mar-18	Something is terribly wrong in our community. How is it that a foreign- owned utility can construct a billion dollar project in the middle of our city to expand electrical transmission capacity at a time when demand is declining and safer, cheaper and more environmentally friendly alternatives are available? This is a backward move that industrializes our neighborhoods and costs our citizens billions of dollars for the benefit of foreign investors. This is not consistent with the vision the City Council	Please see the attached Comment Response

is project. Two of those studies were conducted by independent nvironmental Impact Statement (EIS) team. Independent and our professional transmission planners verified the need for

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se Summary and 2015/2018 reports by Strategen Consulting.

se Summary.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
					members such as Conrad Lee articulate to our citizens. (See the Bellevue City Council Newsletter) There is a huge disconnect. I hope our political leaders and regulators will step up and challenge this albatross.	
27	1/1	Orth, Roger & Karen	4530 Somerset Drive SE Bellevue, WA 98006	9-Mar-18	Please list me as a <b>party of record</b> against the project. There is inadequate need to cause such a blight on the neighborhood.	Please see the attached Comment Response
28	1/1	Voetberg, Clair J. & Maxine	4544 Somerset Place SE, Bellevue, WA 98006	9-Mar-18	Dear H Bedwell, I am writing you to register my protest to the permitting of this project. Completion of this unnecessary project will significantly ruin the views I now enjoy on Somerset hill it will diminish the value of my property.	Please see the attached Comment Response
29	1/1	Gable, Jodi	5700 143rd Pl SE, Bellevue, WA 98006	14-Mar-18	Please make me a party of record for the PSE permit process for Bellevue South and North. When there were hearings about the sale of PSE to foreign investors, I was very opposed to this sale and this is exactly why. It is evident, very evident, that this is a money grab by PSE for the investors. Though my views are not impacted by this project, I have been following it closely and read a great deal about it. I've also read numerous articles in the Wall St Journal and elsewhere about battery options that are presently being used elsewhere in the country and battery technology is rapidly improving. This has not been adequately explored or considered. I strongly believe there is no need for this project and that there are much better solutions for any issues the City of Bellevue might encounter in the future with regards to electricity. This project is wrong and I hope that the City of Bellevue has the integrity to stop it now.	Please see the attached Comment Response
30	1/1	Souder, Charles & Shirley	4417 Somerset Drive SE, Bellevue, WA 98006	10-Mar-18	<ul> <li>Send your name and address to Heidi Bedwell, hbedwell@bellevuewa.gov to be a party of record, as stated in the notice at bottom of this page. This will preserve your right to file an appeal later if so desired and it will let the City know you do not want the City to approve the PSE application.</li> <li>This impacts my property; concerns about safety during construction around pipelines; the insufficient proven need for this project; the inadequate evaluation of non wired alternatives such as battery storage or demand response techniques; or the inappropriate placement of industrial sized poles and transmission wires. Two points in the Bellevue Land Use Code back this up:</li> <li>1. a project must protect single family neighborhoods from encroachment by more intense uses, and</li> <li>2. design must be compatible with intended character of the property and the immediate vicinity.</li> </ul>	<ul> <li>Please see the attached Comment Response 3</li> <li>1) The transmission line project will upgrade of corridor, which has been in existence since the encroachment into neighboring single-family occurred around the transmission corridor, we single family neighborhoods adjacent to the pertransmission lines. The utility corridor is part</li> <li>PSE is proposing to replace the existing 115 k conductors. The poles will generally be install poles. In most cases, the number of poles will proposed transmission lines with other uses i found that impacts to land use will be "be less consistent with city and subarea plans, and we patterns." DEIS at 3.1-37.</li> <li>2) Richards Creek Substation. The property cu with existing transmission lines, water pipeling it is well screened from surrounding uses by provide the subarea.</li> </ul>

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e Summary and 2015/2018 reports by Strategen Consulting.

se Summary and 2015/2018 reports by Strategen Consulting.

le existing transmission lines within an existing transmission the 1920s and early 1930s. Using this corridor avoids ily areas. The vast majority of the area development has , which was established in the late 1920s and early 1930s. Any e proposed line are already adjacent to the existing rt of the existing character of these areas.

5 kV transmission poles with steel poles to accommodate 230 kV called in the same location or in close proximity to the existing will be reduced from four to one or two. The consistency of the es in the vicinity was confirmed by the Phase 2 DEIS, which less-than-significant because [the proposed project] is I would not adversely affect existing or future land use

currently serves as a pole storage yard and has a utility corridor lines, and a petroleum pipeline through the center of the site. y mature vegetation. The site is surrounded to the north by

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
						PSE's existing Lakeside Switch substation, to wastewater supply company, to the south by upslope to the east by a stormwater detentic consistent with the uses in the area and the o zoning district, the existing site screening will project and stream restoration and enhancer
31	1/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)1. What are the risks associated with splitting this project?	PSE is unaware of any risk caused by construct has always been planned for operational reas
32	2/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 1: Bifurcated Permit (See attachment Energize Eastside PermitQuestions 2018-03-09.pdf for detailed background on questions)2. How will the project work and function if only one-half is built?	The development and construction schedule during construction that would make the tran not imply that constructing half of the projec
33	3/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)3. What happens if one segment encounters permitting problems?	The question does not provide an adequate la are addressed as they arise.
34	4/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)4. What new Olympic pipeline risks are incurred when operating half of a transmission line?	Please see the attached Comment Response
35	5/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 1: Bifurcated Permit (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)5. How would an incomplete transmission line increase reliability to customers?	The principal component of the Energize East substation. The transmission lines are neede not meet PSE's federal planning obligations.
36	6/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 2. Inadequate Public Outreach (SEPA EIS Element) (See attachmentEnergize Eastside Permit Questions 2018-03-09.pdf for detailedbackground on questions)1. How will the City of Bellevue address inadequate Public Notice?	Question is addressed to the City.

to the west by industrial development including a water and by King County's Factoria Solid Waste Transfer Station, and ntion facility tract that is heavily vegetated. The substation use is be current use of the site. Located within the Light Industrial (LI) will be enhanced with the Richards Creek culvert replacement cement proposal.

ructing the project in two phases, and the phased construction easons.

le relates to constructability and to minimizing planned outages ransmission network system vulnerable to reliability. This does ect would address the need fully.

e level of specificity to provide a response; permitting matters

se Summary.

astside project is the new transformer at Richards Creek eded to energize the transformer. An incomplete project would s.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
37	7/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 2. Inadequate Public Outreach (SEPA EIS Element) (See attachmentEnergize Eastside Permit Questions 2018-03-09.pdf for detailedbackground on questions)2. What steps will the City take to increase public awareness and provideadequate Public Notice to residents and require PSE to notify ALL affectedcustomers?	Question is addressed to the City.
38	8/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 2. Inadequate Public Outreach (SEPA EIS Element) (See attachmentEnergize Eastside Permit Questions 2018-03-09.pdf for detailedbackground on questions)3. Will the City of Bellevue justify the short review period provided for theApplication Permit, given that a 4,000+ page FEIS was just provided to thegeneral public on March 1, 2018? To add insult to injury, the City is charging\$275 to obtain a copy.	Question is addressed to the City.
39	9/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 3. Non-standard EIS Process (See attachment Energize EastsidePermit Questions 2018-03-09.pdf for detailed background on questions)1. Please provide an explanation, legal justification, and examples of otherDEIS and EIS that have been recently prepared following the same approachthat the City of Bellevue has employed on the Energize Eastside EIS.	Question is addressed to the City.
40	10/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 3. Non-standard EIS Process (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>2. Viable Alternatives: PSE's technical consultants claimed to have asked the WA Department of Ecology for permission to install a peaking generator but was turned down. Where is that report? Why is PSE's request, Department of Ecology's response, and the report not included in the DEIS or other public records? Please detail why the cost and environmental impact to install a peaking generator is more than the environmental impact of the proposed Energize Eastside project. Where is the comparative analysis of those two alternatives?</li> </ul>	PSE is unaware of specific conversations wit Ecology (WDOE). To the best of PSE's knowle generation facilities. Additionally, the EIS pa plant within their boundaries. Please see the alternatives evaluated.
41	11/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 3. Non-standard EIS Process (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)3. Where is the comprehensive, up-to-date analysis of Battery Storage to satisfy the Eastside's future electricity needs? Where is the comprehensive comparative analysis between NWAs and Energize Eastside?	Please see the 2015 Eastside System Energy Strategen Consulting. PSE continues to eval determined that these alternatives are not a
42	12/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 4. Alternatives (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>1. How will the City of Bellevue explain why batteries can, or cannot, meet the Eastside's peak demand needs?</li> </ul>	Question is addressed to the City; additiona and Alternatives Assessment and subsequer

with or reports prepared in regard to Washington Department of wledge, WDOE does not issue permissions to install electrical partner cities had no interest in entertaining the idea of a power the Phase 1 Draft EIS at Section 2.3.3.3 regarding generation

gy Storage Alternatives Assessment and 2018 Report Update by valuate alternative solutions, such as batteries, and has of a practical solution for our transmission deficiency.

nally, please refer to the 2015 Eastside System Energy Storage Jent 2018 Report Update by Strategen Consulting.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
43	13/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 4. Alternatives (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>2. How will the City of Bellevue ensure it is working on behalf of its citizens to provide reliable, "Lowest Reasonable Cost" electricity by examining viable alternatives?</li> </ul>	Question is addressed to the City.
44	14/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 4. Alternatives (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>3. How will the City of Bellevue justify excessive infrastructure environmental damage (and economic consequences) in the face of lower cost, more reliable, safter alternatives?</li> </ul>	Question is addressed to the City.
45	15/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)1. How will the City justify building Energize Eastside, which violates Low Impact Development (LID) principles enacted by City Ordinances? Specifically, how will the City respond to criticism that LID-protected tree canopy will be destroyed and require decades to recover? LID is about more than storm water management and slope retention.	Question is addressed to the City; however, surfaces" and "impervious surfaces" per Cha detailed as part of the Project's Clearing and vegetation will be done in compliance with S
46	16/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)2. Where are the air quality analyses in the permit application or DEIS? What will this transmission line do to air quality in the region during construction as well as during long-term (decades) of operation?	Please see Section 4.5 of the Final Environment
47	17/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LID) Principles and Tree Canopy (Seeattachment Energize Eastside Permit Questions 2018-03-09.pdf fordetailed background on questions)3. The permit application discusses steep slope retention and water management, but carefully avoids in-depth discussion of tree canopy and analysis of air quality. Why?	Vegetation removal will be detailed under the Bellevue. Air quality for the project is analyzed within the project is analyz
48	18/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)4. Appendix D (pg 172 South Bellevue Critical Areas Report) classifies about two thirds of the removed vegetation as "Permanent", "Conversion", or "Temporary Impact", where long-term recovery remains undefined. While PSE appears to have completed an inventory of vegetation loss, where is the analysis of the long-term impact of this vegetation loss, particularly as it relates to air quality in the region?	Carbon sequestration (the process in which a subsequently "trapped") is discussed in Sect Per the FEIS, construction of any of the segm some level of sequestration losses due to tre below the State of Washington reporting thr significant. Refer to Section 4.5 of the FEIS f

r, PSE will comply with the City's requirements for "hard hapter 20.20 of the Bellevue Land Use Code. This will be nd Grading Permit process. Proposed landscaping and ren Section 20.25A of the Bellevue Land Use Code.

mental Impact Statement (FEIS).

r the Project's Clearing and Grading Permits from the city of

in the FEIS (refer to Section 4.5).

ch atmospheric CO2 is taken up into plants or soil and ection 4.5 of the Project's FEIS.

gments and the Richards Creek substation site would result in tree removal; however, the emissions would be substantially threshold of 10,000 metric tons and, therefore, less-than-S for more information.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
49	19/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)5. The DEIS and permitting only addresses short-term light and glare concerns during the construction phase. How will the City of Bellevue mitigate long-term light and glare concerns?	After project construction, light and glare import maintenance activities. The only lighting pro where lighting would be downward-directed adjacent properties. Steel poles will be coate glare.
50	20/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li><u>Topic 5. Low Impact Development (LID) Principles and Tree Canopy (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</u></li> <li>6. Will poles up to 110 feet tall require flashing beacons to alert low flying private aircraft of tall aerial obstructions, especially in areas that cross I-90 or higher elevations like Somerset?</li> </ul>	PSE works with the Federal Aviation Adminis requirements. No lighted beacons are antici
51	21/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>1. How can Energize Eastside be deemed an EPF when it has been independently shown NOT to be essential to other directly affected jurisdictions (Renton, Newcastle, Redmond, and Kirkland)? PSE publically states that Energize Eastside is intended to serve block loads in Bellevue – not other jurisdictions. (DEIS pg 1-6) Which block loads? Why isn't PSE publically disclosing block load shortages (if they exist) and anticipated block loads in their application?</li> </ul>	The project has not been deemed an Essenti Specific customer data (block loads) are not s intended to serve future loads including spot in Bellevue. PSE's load forecasting over next company-wide. All these block-loads collecti block-loads is publicly available information a this load and hence does not require it to pro these loads are Sound Transit, Spring District developments.
52	23/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)2. How will the City justify the erroneous application of the Essential Public Facility designation on Energize Eastside, when transmission lines are specifically and intentionally omitted from the legal definition for an "Essential Public Facility"?	Question is addressed to the City.
53	24/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)3. Why hasn't PSE petitioned EFSEC to address the Energize Eastside project?	EFSEC does not have statutory authority ove
54	25/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>4. Why aren't City Staff and City Council pressing PSE on this question to get a full, accurate, and well-reasoned answer as to why PSE is not presenting the Energize Eastside project to EFSEC, instead of pressuring City Staff and</li> </ul>	Question is addressed to the City.

impacts are not anticipated from project operations or proposed for the project is at the new Richards Creek Substation, ed and interior to the project site - eliminating light and glare on ated with non-reflective materials to eliminate potential for

nistration to ensure compliance with the appropriate icipated as part of the project.

### ntial Public Facility (EPF).

ot shared by PSE with the public. However, Energize Eastside is bot/block loads that are predominantly in the Eastside area and xt 20 years have incorporated all the block-loads anticipated ctively drive the need for this project. The information on these n and comes from cities and jurisdictions. PSE is not generating provide that information in the applications. Some examples of ict development, Bellevue/Redmond/Renton downtown

ver this project.

Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
				City Councils on the Eastside?	
26/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)5. Why aren't PSE's answers to the EFSEC question being publically disclosed to inform the general public?	Please see the attached Comment Response
27/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>6. Will the lingering questions and questionable data justifying the Energize Eastside project withstand analysis and scrutiny by EFSEC?</li> </ul>	EFSEC does not have jurisdiction over the pro
28/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 6. Energize Eastside is Not an Essential Public Facility (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>7. What does the City of Bellevue (acting as SEPA Lead Agency) have to lose by denying the Energize Eastside permits, thereby forcing PSE's hand to submit Energize Eastside before EFSEC? The four jurisdictions need not fear a lawsuit from PSE. The City can legitimately argue that PSE has the option and recourse to appeal before EFSEC before seeking relief in court. The City of Bellevue is within its rights to require PSE to obtain a full analysis from EFSEC on the Energize Eastside project before issuance of permits.</li> </ul>	Question is addressed to the City; however, p Additionally, EFSEC does not have jurisdiction
29/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 7. Build Environment (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>1. Where are the studies showing that NERC/FERC requirements have been met for homes that are within the "fall zone" of the proposed 100ft+ tall monopoles?</li> </ul>	NERC/FERC do not require analysis of a "fall z
30/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 7. Build Environment (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>2. What studies can the City provide to assure homeowners that they will continue to qualify for home lending and homeowner's insurance?</li> </ul>	Question is addressed to the City; however, I
31/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 8. NEPA Review (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)1. Why has the City of Bellevue overlooked crucial binding documentation requiring Energize Eastside to submit for NEPA review?	The question is addressed to the City.
	question?         26/55         227/55         228/55         229/55         30/55	question?Author26/55Borgmann, Russell26/55Borgmann, Russell27/55Borgmann, Russell28/55Borgmann, Russell29/55Borgmann, Russell30/55Borgmann, Russell1000Sorgmann, Russell	question?         Author         provided)           Image: Author image: A	question?Authorprovided)SubmittedIIIII26/55Borgmann, Russell2100 120th PI SE, Bellevue, WA 9800510-Mar-1827/55Borgmann, Russell2100 120th PI SE, Bellevue, WA 9800510-Mar-1828/55Borgmann, Russell2100 120th PI SE, Bellevue, WA 9800510-Mar-1828/55Borgmann, Russell2100 120th PI SE, Bellevue, WA 9800510-Mar-1829/55Borgmann, Russell2100 120th PI SE, Bellevue, WA 9800510-Mar-1830/55Borgmann, Russell2100 120th PI SE, Bellevue, WA 9800510-Mar-1831/55Borgmann, Russell2100 120th PI SE, Bellevue, WA 9800510-Mar-18	question?         Author         provided         Submitted         Question/Comment           26/55         Borgmann, Russell         2100 120th PI SE, Bellevue, WA 98005         10-Mar-18         Topic 6. Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)           27/55         Borgmann, Russell         2100 120th PI SE, Bellevue, WA 98005         10-Mar-18         Topic 6. Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)           27/55         Borgmann, Russell         2100 120th PI SE, Bellevue, WA 98005         10-Mar-18         Topic 6. Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)           28/55         Borgmann, Russell         2100 120th PI SE, Bellevue, WA 98005         10-Mar-18         Topic 6. Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)           28/55         Borgmann, Russell         2100 120th PI SE, Bellevue, WA 98005         10-Mar-18         Topic 6. Energize Eastside permit Questions 2018-03-09.pdf for detailed background on questions)           29/55         Borgmann, Russell         2100 120th PI SE, Bellevue, WA 98005         10-Mar-18         10-Mar-18           30/55         Borgmann, Russell         2100 120th PI SE, Bellevue, WA 98005         10-Mar-18         10-Mar-18           31/55         Borgmann, Russell         2100 120th PI SE, Bellevue, WA 98005         10-Mar-18         <

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project.

r, please see the attached Comment Response Summary. ion over the project.

Ill zone"

r, NERC/FERC do not require analysis of a "fall zone"

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
61	32/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 8. NEPA Review (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)2. If BPA is not involved in Energize Eastside, why are there BPA Memoranda of Agreement (MOA) included on the City of Bellevue EIS scoping website?http://www.energizeeastsideeis.org/uploads/4/7/3/1/47314045/2015-06- 01_moa_with_bpa-seattlecitylight-pse.pdf	PSE is part of an integrated system. Appropr practice. See 2015 letter from BPA to the Cit
62	33/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 8. NEPA Review (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>3. Why would Seattle City Light pay PSE, if Energize Eastside is solely to address Puget Sound eastside (local) load growth?</li> </ul>	The provided statement is incorrect. Seattle
63	34/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 8. NEPA Review (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)4. Where is the WA Department of Ecology determination of the need for a NEPA review?	WDOE does not implement does not determ
64	35/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)1. Why has the City of Bellevue not hired electrical reliability expertise as recommended in 2012 by EXPONENT?	Question is addressed to the City.
65	36/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)2. How does the City of Bellevue respond to criticism that the Eastside Needs Assessment Report contains assumptions that far exceed NERC Reliability Standards, while providing no measurable increase in reliability for PSE customers?	Question is addressed to the City. Federal re forecasted loads. The City of Bellevue's retain expert in transmission planning to perform a USE's report, dated April 28, 2015 (Page 4) co forecasting its demand load, incorporating th exceedance of the 2018 summer peak foreca used in its planning studies are accurate.
66	37/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment EnergizeEastside Permit Questions 2018-03-09.pdf for detailed background onguestions)3. Why isn't the City pressing PSE to provide documented evidence – NERCregulations "chapter and verse" - describing the precise federalrequirements that PSE is required to meet?	Question is addressed to the City; however, transmission system that is part of the Bulk e requirements are publicly available on NERC

priate planning with interconnected utilities is a prudent City of Bellevue.

tle City Light is not paying for any part of Energize Eastside.

mine the need for review under NEPA.

regulations require that utilities plan a reliable system based on cained Utility System Efficiencies, Inc. (USE), and independent in an Independent Technical Analysis of Energized Eastside. concluded that PSE has followed industry practice in g the four major components of forecasting. Additionally, ecast occurred in 2017, which shows that the forecasts that PSE

r, PSE follows the NERC TPL-001-4 requirements to analyze our k electric system of Western Interconnection. These RC 's website.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
67	38/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)4. Why isn't the City pressing PSE to provide evidence of why PSE chose to include N-9 layered assumptions that overly stresses then entire Bulk Electric System (BES), instead of NERC-mandated N-2 requirements?	Question is addressed to the City; however, t numerous independent industry experts that PSE follows the NERC TPL-001-4 requirement electric system of Western Interconnection. T
68	39/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)5. How does the City of Bellevue respond to criticism that there are less expensive ways to address overloads at the Talbot Hill substation in lieu of building Energize Eastside?	Question is addressed to the City; however, p
69	40/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment EnergizeEastside Permit Questions 2018-03-09.pdf for detailed background onquestions)6. Quanta, U.S.E and Stantec (PSE consultants) will NOT take a stanceagainst PSE for fear of retaliation in the form of losing future lucrativeconsulting contracts from PSE and other utilities. How does the City ofBellevue respond to clear conflicts of interest on the part of Quanta (knownto do substantial work for PSE's owner, Macquarie), U.S.E., and Stantec?	Opinion is noted. Question is addressed to th demonstrate that there is a conflict of interes
70	41/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>7. Stantec did not independently analyze PSE's load forecast. Stantec accepted PSE's inputs as fact and verified that PSE had followed an industry- standard process. Why didn't Stantec obtain independent data from unbiased third-parties, rather than rely strictly on data provided by PSE?</li> </ul>	Question is addressed to the City. Federal reg forecasted loads. The City of Bellevue's retain expert in transmission planning to perform a USE's report, dated April 28, 2015 (Page 4) co forecasting its demand load, incorporating th exceedance of the 2018 summer peak foreca used in its planning studies are accurate.
71	42/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 9. Critique of "5 Independent Studies" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)8. How will the City of Bellevue ensure they are making the best long-term decisions for residents to provide reliable, "Lowest Reasonable Cost" electricity?	Question is addressed to the City.
72	43/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 10. Corrective Action Plans, NERC Requirements (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)1. Why isn't the City pressing PSE for details about Corrective Action Plans (CAPs) that PSE has already initiated? Has PSE resorted to any CAPs to keep the lights on? The City should report publically exactly what corrective actions (if any) PSE has already taken.	Question is addressed to the City; however, F Critical Energy Infrastructure Information (CE

r, the need for Energize Eastside has been validated by nat PSE followed the appropriate planning procedures.

ents to analyze its transmission system as part of the Bulk n. These requirements are publicly available at NERC website.

, please see the attached Comment Response Summary.

the City; however, it is noted that the comments do not rest.

regulations require that utilities plan a reliable system based on cained Utility System Efficiencies, Inc. (USE), and independent in an Independent Technical Analysis of Energized Eastside. I concluded that PSE has followed industry practice in g the four major components of forecasting. Additionally, ecast occurred in 2017, which shows that the forecasts that PSE

r, PSE's corrective action plans are confidential and contain CEII).

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
73	44/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 10. Corrective Action Plans, NERC Requirements (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)2. Which specific regulations (NERC Standards "chapter and verse") recently changed that require PSE to increase reliability from an N-2 scenario to an N-9 scenario? Why has PSE layered on assumptions about sending 1,500MW to Canada, simultaneous with weekday morning temperatures below 23F, simultaneous with 2 of 4 transformers offline, all while 6 west-of-Cascade emergency generators owned by PSE - and 5 other non-PSE owned emergency generators - are offline? Where is the NERC requirement mandating those assumptions? Specifically, what requirements recently changed that require all of these additional extreme assumptions to be layered upon the WECC 2018 Base Case?	Please see the attached Comment Response analyze its transmission system that is part o requirements are publicly available on the NI the analysis indicates an inability of the Syste Planning Assessment shall include Corrective requirements will be met." During the plann system would not satisfy the performance re contingencies that need to be studied at pea standard ensures greater grid reliability and n
74	45/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 10. Corrective Action Plans, NERC Requirements (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)         3. Why isn't the City insisting on PSE to carefully distinguish between "Path Rating" and "Firm Requirement" for electricity transfers to Canada? Why isn't the City pressing PSE to re-run load flow studies without the additional layered assumptions on the WECC 2018 base case?	Question is addressed to the City; however, to numerous independent industry experts that procedures. The work of PSE's transmission planners has Bellevue and the Partner Cities' Environment Team noted: "The EIS Consultant Team confi accordance with industry standards for utility Appendix J-1." Final EIS, Section 6.2, page 6-3 Operationally, there are always power flows north to south during the summer and south prepared for Bellevue by Utility Systems Effic examined this issue by reducing the Northern scenario is not actually possible due to extan the EE project, to examine if regional require winter 2017/18, even with the Northern Inte transformer #2 would still be overloaded by a Again, the projected overloads indicate a pro
75	46/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 10. Corrective Action Plans, NERC Requirements (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)4. Why isn't the City pressing WECC for straight answers? Has anyone at the City reached out to WECC to get reliable data? Why isn't WECC holding PSE accountable?	Question is addressed to the City and WECC.

se Summary. PSE follows the NERC TPL-001-4 requirements to of the Bulk electric system of Western Interconnection. These NERC website. The TPL-001-4 requirement R2.7 states "...when stem to meet the performance requirements in Table 1, the ve Action Plan(s) addressing how the performance nning process it is required for us to develop CAPs wherever the requirements. Table 1 of the TPL standard includes various eak on various sensitivity cases. The adherence to the TPL d mitigates any future grid-wide black-outs.

, the need for Energize Eastside has been validated by at confirm that PSE followed the appropriate planning

as been validated by independent experts for the City of ntal Impact Statement (EIS) Team. In the Final EIS, the EIS nfirmed that the needs assessment was conducted in ity planning. No change in Final EIS. See Key Theme OBJ-2 in 5-3.

As across the norther intertie. Typically, the power flows from th to north in the winter. However, as stated in the report ficiencies, Inc. (2015): "The Optional Technical Analysis ern Intertie flow to zero (no transfers to Canada). Although this ant treaties, it was modeled to provide data on the drivers for rements might be driving the need. The results showed that in tertie adjusted to zero flow, the Talbot Hill 230/115 kV y several contingencies (several different outage scenarios). roject need at the local level to meet reliability regulations." C.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
76	47/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 11. Misleading Threats of "Rolling Blackouts" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)1. Why does the "backbone" - this particular existing PSE 115kV transmission line – need to be upgraded if we can live without it for 9 months at a time? Mr. Jens Nedrud (former PSE Senior Project Manager on Energize Eastside) stated that this existing line can be taken out of service for up to 9 months without grid ramifications.	TPL-001-4 standard also requires stressing th performance of the system to make sure that also keep the system available for day-to-day analyze the bookends and extreme situations performance requirements with future load g the Energize Eastside project is not put in pla every planner to provide a system that could operating world is governed by another set o to adhere to support the reliability of the grid the CAPs.
77	48/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 11. Misleading Threats of "Rolling Blackouts" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)2. Are there better ways to handle the other 3 months – periods of possible (not guaranteed) peak demand? Why isn't the City considering other less costly, less environmentally damaging viable alternatives to provide the most reliable electricity at the lowest fair price to consumers?	Question is addressed to the City; however, F need as evidenced by PSE's Solution Study (2 rigorously studied many non-wire new techn (2015/2018) reports.
78	49/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 11. Misleading Threats of "Rolling Blackouts" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>3. Why isn't the City pressing PSE for the facts about BPA's automated curtailment system? How many times has BPA had to use this system in the last 5 years? Last 10 years? What has the trend looked like over the past 10 years? Is usage of this system over the last 10 years increasing or decreasing? Which way is power flowing during peak demand periods (cold weekday mornings below 23F) – from the U.S. to Canada, or from Canada to the U.S.?</li> </ul>	Question are addressed to the City and BPA; represent BPA's operational data.
79	50/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 12. Customer Demand Forecast and "Heat Map" (See attachmentEnergize Eastside Permit Questions 2018-03-09.pdf for detailedbackground on questions)1. During 2017, how close did the Puget Sound Eastside come toexperiencing rolling blackouts? How many CAPS did PSE implement tomaintain electricity to the region?	Exceedance of the 2018 summer peak foreca used in its planning studies are accurate, alth Bellevue by Utility Systems Efficiencies, Inc. ( the Optional Technical Analysis (OTA). Each o project need in order for PSE to meet federal

the system to a reasonable level when evaluating the nat the system is robust enough to do system maintenance and lay operations. Hence the planning process is obligated to ons that could happen in reality. In order to satisfy these d growth, a CAP consisting of rolling black-outs is inevitable if place based on current load forecasts. It is the obligation of ald provide reliable power during day-to-day operations. The t of operations NERC standards (TOP, BAL, EOP) that they need grid. It is up-to the operator to when, whether and how to arm

r, PSE has thoroughly explored various solutions to the Eastside (2014) and Supplemental Solution Study (2015). PSE has hnology solutions as evidenced by the E3 (2014) and Strategen

A; however, PSE lacks knowledge of and cannot speak to or

cast occurred in 2017, which shows that the forecasts that PSE though a bit conservative. As stated in the report prepared for . (2015): "Several hypothetical scenarios were studied as part of n one showed overloads in the 2017/18 timeframe, indicating ral regulatory requirements for system reliability."

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
80	51/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>2. Which PSE forecast is accurate? How accurate are any of PSE's forecasts? Why isn't the City pressing PSE for the past 10-to-12 years of historical data, so we can see the real trend line? Seattle City Light makes that data readily available to the public. PSE has denied public requests for that data.</li> </ul>	A portion of the comments are directed at th forecast occurred in 2017, which shows that accurate, although a bit conservative. As stat Efficiencies, Inc. (2015): "Several hypothetica Analysis (OTA). Each one showed overloads in PSE to meet federal regulatory requirements such overloads are not part of the federal pla system.
						Federal regulations require that utilities plan Bellevue's Independent Expert Utility System Analysis of Energized Eastside, April 28, 2015 practice in forecasting its demand load, incor
81	52/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	<ul> <li>Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)</li> <li>3. Why isn't the City pressing PSE to provide realistic electricity growth rates for the region? Electricity growth rate is not the same as economic and population growth rates. The Federal Energy Information Administration (EIA) says, "the long-run trend of slowing growth in electricity use relative to economic growth will continue: the rate of projected growth in electricity use will less than half the rate of economic growth" http://www.eia.gov/todayinenergy/detail.cfm?id=10491</li> </ul>	Question is addressed to the City; however, it use with electricity demand. Federal regulations require that utilities plan Bellevue's retained Utility System Efficiencies to perform an Independent Technical Analysi (Page 4) concluded that PSE has followed inde the four major components of forecasting. Ac occurred in 2017, which shows that the forec
82	53/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)4. What would possess PSE to create a "Heat Map" illustration that overly exaggerates a worst case scenario that could never possibly occur in real life?	The Heat Map shown in the Needs Assessmen illustration of the most densely populated are populated areas in red, which include Kenmo
83	54/55	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	10-Mar-18	Topic 12. Customer Demand Forecast and "Heat Map" (See attachment Energize Eastside Permit Questions 2018-03-09.pdf for detailed background on questions)5. Why isn't the City pressing PSE for an explanation of how PSE created this "Heat Map" graphic, and why is it included in PSE's Eastside Needs Assessment Report? This report provides crucial supporting documentation for PSE's permit application and the EIS. This report should not contain inaccurate or misleading information.	Question is addressed to the City; however, t King County Area Description, was used as an County. The graphic shows the most densely Redmond, Bellevue, and Renton; nothing mo information.

the City; however, exceedance of the 2018 summer peak at the forecasts that PSE used in its planning studies are tated in the report prepared for Bellevue by Utility Systems cal scenarios were studied as part of the Optional Technical s in the 2017/18 timeframe, indicating project need in order for its for system reliability." The magnitude and or duration of planning standards, only that an overload is identified on the

an a reliable system based on forecasted loads. The City of em Efficiencies, Inc. (USE) reported in Independent Technical 15 Page 4 - USE concluded that PSE has followed industry orporating the four major components of forecasting. T, it should be noted that the commenter confuses electricity

an a reliable system based on forecasted loads. The City of ies, Inc. (USE), and independent expert in transmission planning ysis of Energized Eastside. USE's report, dated April 28, 2015 industry practice in forecasting its demand load, incorporating Additionally, exceedance of the 2018 summer peak forecast recasts that PSE used in its planning studies are accurate.

nent Section 2.3 - King County Area Description, was used as an areas of King County. The graphic shows the most densely nore, Kirkland, Redmond, Bellevue, and Renton; nothing more.

, the Heat Map shown in the Needs Assessment Section 2.3 an illustration of the most densely populated areas of King ly populated areas in red, which include Kenmore, Kirkland, nore. The report does not include inaccurate or misleading

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
84	55/55	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	10-Mar-18	Topic 12. Customer Demand Forecast and "Heat Map" (See attachmentEnergize Eastside Permit Questions 2018-03-09.pdf for detailedbackground on questions)Why isn't the City requesting 10 years' worth of historical data on peakloads on each of Bellevue's 29 substations to verify the accuracy of PSE'sstatements? Where are those peak loads occurring? Which specificsubstations are experiencing peak loads? When did those peak loads occur?For how long did they last? How much above the substation transformernameplate rating were those peaks? How would Energize Eastsidespecifically address those peak load events? How is the City independentlyverifying PSE's claims?	Questions are addressed to the City. To veri expert, Utility System Efficiencies, Inc. (USE) Eastside, April 28, 2015 Page 4. USE conclud demand load, incorporating the four major c
85	1/1	Bowers, Jarvis	13609 NE 28th St, Bellevue WA 98005	12-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>2. I'm concerned about noise pollution from the new power lines.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response analyzed as a part of the Phase 1 Draft EIS ar environments and virtually the same as exist local noise regulations."
86	1/1	Cox, Sean	4538 Somerset Dr. SE Bellevue, WA 98006	8-Mar-18	<ol> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>PSE and the EIS process have failed to address the risks of this project due to the potential death and damage that these new lines will cause during a major landslide or seismic event. Quoting we follow national standards does not address the fact that the additional height of the lines will result in them falling through a substantial number of homes due to the unique environment and risks we face in the PNW. PSE has a history of claiming it's an act of god and not being held responsible for past events which have resulted in damage to homes by their lines.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ol>	Please see the attached Comment Response

erify PSE's studies, the City of Bellevue's hired an independent E) to prepare an Independent Technical Analysis of Energized uded that PSE has followed industry practice in forecasting its r components of forecasting.

se Summary. Section 6.13 of the FEIS states: "Corona noise was and was found to be relatively low for nearby residential isting noise levels, which is well below the limits required by

se Summary. Additional information can be found in the EIS.

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
87	1/1	Dehmlow, Sue	1720 140th Ct SE Bellevue 87007	8-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: <ol> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>PSE is in the business of generating income to it's shareholders and doesn't have our interests at heart.</li> </ol> </li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response
88	1/1	Ray, Don	134 130th Ave NE, Bellevue, WA 98005	16-Mar-18	As a former nuclear power plant operator I can tell you PSE has never properly justified the CURRENT need for this expensive expansion. As a former president of a local software firm, I feel this PSE expansion is a business manipulation for profits and not in the long term financial interest of us rate payers. I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. 3. It damages communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Please notify me when any Bellevue public hearing for this project is announced.	Please see the attached Comment Response planning and operating the electrical system

se Summary.

nse Summary. Operation of a power plant is very different than em.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
89	1/1	Dontireddy, Sirisha		13-Mar-18	<ul> <li>I would like to be party of record for CUP and CALUP applications. My name is Sirisha Dontireddy and my address is 4617 135th PL SE, Bellevue, WA 98006.</li> <li>I have serious concerns regarding PSE's Energize Eastside project.</li> <li>1. Safety concerns: Energize Eastside's proximity to ageing Olympic pipeline. This is earthquake prone area and having high powered transmission lines so close to the pipeline can be disastrous.</li> <li>2. Impact on my property: Not many people would want to buy a home that's close to high transmission power lines because of the exposure high levels of EMFs.</li> <li>3. Views: Somerset neighborhood is cherished for its breathtaking views. These very tall, huge powerlines will totally dice the view up.</li> </ul>	Please see the attached Comment Response transmission lines in an existing corridor that Additional information can be found in the E
90	1/1	Erskine, Jessica	1861 140th Ave SE, Bellevue, WA 98005	13-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response
91	1/1	Esayian, Karen and Sam	4601 135th Ave SE, Bellevue, WA 98006	9-Mar-18	<ul> <li>Please record Sam and Karen Esayian , 4601 135th Ave SE, Bellevue, WA</li> <li>98006, as party of record for comments on the PSE Bellevue South Application for Energize Eastside.</li> <li>Our general concerns are for those also stated in the LUC for Bellevue: protecting single family neighborhoods from encroachment by more intense uses and the proposal to use a design that contradicts the intended character of a neighborhood. In addition, we have concerns about safety during construction adjacent to the pipelines and the inadequate evaluation of non wired alternatives.</li> <li>Further comments will follow.</li> </ul>	The transmission line project will upgrade ex corridor, avoiding new encroachment into ne development has occurred around the transi early 1930s. Any single family neighborhoods existing transmission lines.

se Summary. The Energize Eastside project will replace existing nat has been in operation since the late 1920s and early 1930s. E EIS.

se Summary. Additional information can be found in the EIS.

existing transmission lines within an existing transmission neighboring single-family areas. The vast majority of the area's nsmission corridor, which was established in the late 1920s and ods adjacent to the proposed line are already adjacent to the

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
92	1/1	Evans, Alice	2455 127th Ave NE, Bellevue, WA 98005	7-Mar-18	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. 3. It damages communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Please notify me when any Bellevue public hearing for this project is announced. PSE has misrepresented this project from day one—beginning by sending a post card stating that WHO listed exposure to EMF as not having a deleterious effect on the human body. In fact, at that time, WHO listed exposure to EMF as Category 2B—a possible human carcinogen. In addition to the reasons cited above, their project also will impact our health.	Please see the attached Comment Response regarding the project. Additional informatio
93	1/1	Hazen, Lisa		7-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response
94	1/1	Johnston, Pam	3741 122nd Ave NE, Bellevue, WA 98005	5-Mar-18	Please add me as a party of record for Energize Eastside.	Comment is addressed to the City.

se Summary. PSE disagrees with the commenter's opinion tion about EMF can be found in Section 4.8 of the FEIS.

se Summary.

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
95	1/1	Judkins, Kathy	4324 136th PI SE, Bellevue, WA 98006- 2237	13-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>5. For me personally this project will place a huge steel pole in my yard within a few feet of my garage and the Olympic Pipeline. My driveway will be damaged as well as the private access road to my home and 7 neighbors homes. This road is the only access to my home. During the project I will have no automobile access to my home. I am 72 years old and a widow and have a congenital back issue so will not be able to climb up many stairs to get to my house. Also a tree over 50 years old will be cut down.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response continue to reach out, to property owners ald plans.
96	1/1	Kaiboriboon, Kitti	13553 NE 54th Pl, Bellevue, WA 98005	14-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response
97	1/1	Kaner, Rick	6025 Hazelwood Lane SE, Bellevue, WA 98006	12-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response

se Summary. Additionally, PSE has reached out, and will along the corridor to discuss and clarify revegetation and access

se Summary.

se Summary.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
98	1/1	Lakshmanan, Valliappa	4552 Somerset Dr. SE , Bellevue WA 98006	10-Mar-18	I am writing to ask that Bellevue NOT approve PSE's application to build Energize Eastside because there are several less expensive ways to provide additional power without destroying thousands of valuable urban trees, increasing risk of petroleum leaks and being an eyesore. I would like to be notified about public hearings.	Comment is addressed to the City.
99	1/1	Moore, Margaret	4707 135th Place SE Bellevue, WA 98006	9-Mar-18	I would like to be listed as a party of record to preserve my right to file an appeal later if I so desire. We do not want the City of Bellevue to approve the PSE application as it is now configured. PSE must be required to consider alternative solutions to their perceived potential energy disruptions which are more up-to-date, environmentally relevant and less intrusive. Two points in the Bellevue Land Use Code pertain to the current situation: 1. A project must protect single family neighborhoods from encroachment by more intense uses. 2. (The) design must be compatible with intended character of the property and the immediate vicinity. Through the 18 mile length of the proposed power lines, both of these elements will be violated and must be considered by both PSE and the Bellevue City Council before any further action is taken.	Please see the attached Comment Response 1) The transmission line project will upgrade corridor, avoiding encroachment into neighb development has occurred around the trans- early 1930s. Any single family neighborhoods existing transmission lines. The utility corride PSE is proposing to replace the existing 115 k conductors. The poles will generally be instal poles. In most cases, the number of poles wi proposed transmission lines with other uses found that impacts to land use will be "be less consistent with city and subarea plans, and w patterns." DEIS at 3.1-37.
100	1/1	Mansfield, Peter	4568 Somerset Place SE, Bellevue, WA 98006	9-Mar-18	<ul> <li>Please add my name as a party of record NOT in favor of the City of Bellevue granting a permit to PSE for any portion of their proposed Energize Eastside Project.</li> <li>I do not believe they have made their case for the necessity of this project nor do I believe they have adequately evaluated alternative methods to meet peak electrical power demands.</li> <li>Electrical energy delivery and distribution is in the process of being completely rethought on a national and international scale. It would be a mistake to allow, at this time, construction of additional high voltage power transmission lines and towers through our city. It is rapidly becoming old technology. I know we can do better. We are leaders after all.</li> </ul>	Please see the attached Comment Response 2) Richards Creek Substation. The property c with existing transmission lines, water pipelin It is well screened from surrounding uses by PSE's existing Lakeside Switch substation, to wastewater supply company, to the south by upslope to the east by a stormwater detention consistent with the uses in the area and the zoning district, the existing site screening will project and stream restoration and enhance

#### se Summary.

de existing transmission lines within an existing transmission hooring single-family areas. The vast majority of the area hsmission corridor, which was established in the late 1920s and ods adjacent to the proposed line are already adjacent to the idor is part of the existing character of these areas.

5 kV transmission poles with steel poles to accommodate 230 kV talled in the same location or in close proximity to the existing will be reduced from four to one or two. The consistency of the es in the vicinity was confirmed by the Phase 2 DEIS, which less-than-significant because [the proposed project] is I would not adversely affect existing or future land use

#### se Summary.

currently serves as a pole storage yard and has a utility corridor elines, and a petroleum pipeline through the center of the site. by mature vegetation. The site is surrounded to the north by to the west by industrial development including a water and by King County's Factoria Solid Waste Transfer Station, and tion facility tract that is heavily vegetated. The substation use is e current use of the site. Located within the Light Industrial (LI) will be enhanced with the Richards Creek culvert replacement cement proposal.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
101	1/1	Marsh, Don		13-Mar-18	Dear Ms. Bedwell, The purpose of this letter is to express concerns CENSE has with Puget Sound Energys applications for a Conditional Use Permit and a Critical Areas Land Use Permit to construct a new 230kV to 115kV substation at Richards Creek and replace 18 miles of 115kV transmission lines between Renton and Redmond with 230kV lines. CENSE objects to PSEs project because: 1. PSEs data does not substantiate the need for the project. Therefore, the project is not a prudent investment of ratepayer dollars. 2. PSEs study of the safety risks posed by embedding 67 large-diameter power poles within feet of half-century-old pressurized petroleum pipelines is based on flawed assumptions. 3. PSEs evaluation of less-costly technologies available to enhance the reliability and resiliency of the Eastside power grid is inadequate. 4. The removal of thousands of valuable urban trees would damage communities and the environment. CENSE will submit additional comments at a later date.	Please see the attached Comment Response to support the claims being made. PSE has p project. The City's EIS provides numerous in
102	1/1	Melman, Diana	6023 121st Ave SE, Bellevue, WA 98006	7-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>It bothers me that we are a world class city and yet the power lines in my neighborhood (New Port Hills) look like they will fall or come dangerously close to things bellow. I don't understand why we would spend more money on making our neighborhood even more insightly with larger power lines. I will never understand the need for it if we can invest that money and put the power lines in the ground. And I bet that there more people than I who would be willing to support this idea. Please don't force PSE's greedy investors interest on us who have to live with the consequence.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response
103	1/1	Mickelson, Dave & Denise	4518 Somerset Dr SE, Bellevue, WA 98006- 3062	9-Mar-18	Please add my wife & I to Party of Record for Energize Eastside. We strongly oppose the City approving the PSE application. PSE provided inadequate evaluation of non-wired alternatives.	Please see the attached Comment Response Alternatives Assessment and 2018 Report Up

se Summary. The comments do not provide specific information s provided extensive documentation on the Energize Eastside independent evaluations on the project.

se Summary.

se Summary and the 2015 Eastside System Energy Storage Update by Strategen Consulting.

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
104	1/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	<ul> <li>Please accept our comments on Energize Eastside File Number 17-120556-LB and17-1205657-LO.</li> <li>The original signed copy is being sent through the US mail to Development Services.</li> <li>Stormwater comments - Richards Creek 230 kV Substation:</li> <li>This is an industrial project site, with extensive use of galvanized materials containing zinc. The application incorrectly calls the entire site an "infrequently used maintenance access route".</li> <li>Minimum Requirement 5, onsite stormwater management is required and has not been satisfied.</li> <li>Minimum Requirement 6, runoff treatment, requires enhanced treatment for metals. There is currently no treatment provided for this industrial site.</li> <li>Minimum Requirement 7, flow control: There is no documentation of the detention vault sizing and function. The application must include a stormwater report that documents compliance with all minimum requirements and includes hydrologic modeling results for detention sizing and control structure. The lower half of the driveway / access road flows directly into the creek with no flow control, treatment or onsite stormwater management.</li> <li>The substation fails to meet LUC 20.25H.080.A.3.</li> </ul>	A Construction Stormwater Pollution Prevent Substation project and will be submitted to the Grading Permit for Richards Creek. The CSW and flow control (met through the proposed pond sizing).

ention Plan (CSWPPP) has been prepared for the Richards Creek o the City of Bellevue as part of the Project's Clearing and WPPP contains provisions for onsite stormwater management ed detention vault, and includes calculations for the sediment

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105	2/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	<ul> <li>Wetland comments - Richards Creek 230 kV Substation:</li> <li>This project requires a Section 404 permit and a Section 401 Water Quality Certification. Thresholds for Section 404 and 401 permitting require analysis of the entire project impacts, not just a partial phase in one municipality.</li> <li>Wetland D hydrology is provided by overbank flooding from Stream C. The new culvert will eliminate overbank flooding of wetland D. Project must fully mitigate the loss of wetland D.</li> <li>Project must complete a final mitigation report that includes mitigation goals, performance standards, monitoring and maintenance protocols, data sheets and rating forms, and contingencies for 5 year monitoring period.</li> <li>This project would increase storm runoff, by cutting trees on the east side and channelizing flow around the project site, and concentrating this runoff into new channels that discharge into wetland A at the NW corner of the development and discharge into Wetland H at the SW corner. These concentrated flows have the potential to cause long-term erosion through these wetlands and exacerbate downstream sediment deposition.</li> <li>The project would disrupt the hydrology of slope wetlands both upslope and downslope of the new stream channel. This project is not adequately mitigating for these impacts. Project must include monitoring of the wetland area south west of the new stream channel.</li> </ul>	The City does not have jurisdiction over the C Wetland D hydrology has been provided over subsurface seepage heading downslope, tow expectation is that the boundaries and functi proposed stream channel restoration work. hydrology is already at or near the ground su anticipate that the stream will continue to pr areas resulting from water percolating into th permeable soils downslope to supply wetland Mitigation plans along with a monitoring and prepared for the project and reviewed/appro Concentrated flows or long-term erosion is n and wetland bank revegetation will provide k plantings will provide increased soil stability peak flows; thereby improving wetland and s dimensions and flow-carrying capacity. Although parts of Wetland A are contiguous hydrology to the wetland is from groundwate restoration project are not anticipated. Wet and maintenance plan.

e Clean Water Act sections 404 and 401 permit processes. ver time by a combination of overbank flooding and shallow, owards the vicinity of the dead end of SE 30th Street. Our ctioning of Wetland D will not change appreciably due to the x. Overbank flows tend to occur during the winter when surface. Since the stream channel is angled down the slope, we provide near-surface hydrology to the downslope Wetland D o the porous streambed and then continuing subsurface through and areas, as opposed to re-entering the channel.

nd maintenance plan for the 5-year monitoring period will be proved by appropriate agencies.

s not anticipated at the Richards Creek Substation site. Stream e both short- and long-term erosion controls. New native cy and native vegetation that could potentially reduce velocity of d stream buffer functions, along with increased channel

is with adjacent stream segments, the primary source of ater seeps. As such, disruptions to hydrology from the stream etland monitoring will be included in the project's monitoring

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
106	3/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	<ul> <li>Culvert and stream channel comments - Richards Creek 230 kV Substation:</li> <li>This project's new Culvert and new stream channel require Hydraulic Project Approval (HPA) and 401 Water Quality Certification permits.</li> <li>The long-term impacts and disruption to existing wetlands and streams does not justify the bermed stream channel which would be disconnected from adjacent wetlands. The new culvert and stream channel would increase peak flows to downstream systems.</li> <li>Proposed culvert has a sediment trap within the structure. This is an illegal structure. There is no plan or design for maintenance cleaning of sediment, which would dewater the creek and disrupt the aquatic life in the stream.</li> <li>The culvert and stream relocation calls itself a Habitat Improvement Project as part of development of a utility facility. Instead of enhancing fish and wildlife habitat, it would disrupt existing ecosystem functions and create an unnatural bermed stream in the middle of wetland A, in the process cutting many mature trees.</li> <li>The application states the channel would be regraded to assist in sediment transport. This project occurs at an abrupt transition in stream grade, from steep to shallow. The proposed stream relocation would extend the steeper section beyond the project development, facilitating sediment transport through the PSE site and allowing deposition of sediment to occur downstream, impacting downstream parcels.</li> <li>The wetland and stream relocation would remove 43 mature alder trees with an average diameter over 10 inches and a maximum diameter of 18 inches. 22 poplar trees are proposed to be removed which are mostly clustered adjacent to the stream. Proposed mitigation for removal of 65 mature wetland trees is just 66 small two-gallon wetland trees, along with hundreds of shrubs and groundcover. In addition the project is planting 48 upland/buffer trees (2 gallon) in what was formerly wetland. Project is converting a forested wetland into a shrub dominated wetland bisect</li></ul>	Comments noted. The approvals listed are n working with WDFW and Tribes to facilitate t restrictions that have resulted from the exist for the Richards Creek Substation site. PSE n appropriate agencies. The permits required the The stream realignment allows for the creati buffers of substantial width along both sides borders a paved area, and is largely lined wit plantings will provide increased soil stability peak flows; thereby improving wetland and s dimensions and flow-carrying capacity. The proposed replacement culvert for the ac passage (WDFW 2013), provide flow conveya sediment management. The replacement cul- with a road-accessible cleanout. This will pro- sediments. Stream, wetland, and buffer areas will be en- increase in species and structural diversity. Of habitat benefits following Project implement and riparian habitat conditions. Additionally provide organic matter and foraging and nes songbird species. Mitigation is designed to n stream channel will result in increased chanr- sediment trap will facilitate and improve sed debris in mitigation plans will help to address over time the loss of function would be furth vegetation structure within the Project area expected in the long-term with mitigation.
107	4/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	<b>Forest Canopy losses - Richards Creek 230 kV Substation:</b> Besides the removal of 65 mature wetland trees as part of stream relocation, this project is proposing to remove 205 mature trees for project development, and the cutting (topping at 15' height) of 46 trees as part of a vegetation management area. The 205 trees removed include two 30" diameter maple trees and a 34" diameter fir tree. The 46 trees topped include 48" diameter and 30" diameter maple trees. There is no mitigation proposed to mitigate these impacts as part of the Richard Creek 230kV Substation project. This project fails to maintain existing tree canopy coverage, let alone meet targets.	Mitigation of tree removal will be part of the reliability of a 230 kV substation and not rela

e not under the jurisdiction of the City. However, PSE has been e the stream enhancement project and remove instream flow sting undersized culverts. PSE is seeking a Section 404 Permit must obtain all required and necessary permits from the d by Bellevue will be obtained from Bellevue.

ation of more complex and higher quality riparian wetlands and es of the stream, whereas the existing alignment is straight, vith reed canarygrass and nightshade. Additionally, new native y and native vegetation that could potentially reduce velocity of d stream buffer functions, along with increased channel

access route crossing will meet current design standards for fish yance for up to the 100-year peak flow rate, and facilitate culvert will contain a sediment trap beneath the access route provide relatively easy, low-impact removal of built up

enhanced with new native plantings, which will provide a net Culvert replacement and stream restoration will result in net intation. It will improve fish passage, and improve in-stream Ily, temporary impact areas will be restored. New plantings will esting opportunities for terrestrial wildlife, including several o meet or exceed Ecology recommendations. Improving the nnel dimensions and flow-carrying capacity. Use of the edimentation management. Including snags and large woody ess the loss of forested habitat values in the short-term, and ther addressed as mitigation areas mature. While the a will be altered, a net increase in native habitat area is

ne project. Vegetation Management at this location is for the lated to the power line phase of the project.

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
108	5/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	<ul> <li>There is no justification to top 46 mature trees in the vegetation management area. This area is not under any new or existing power lines.</li> <li>Conceptual photo simulations:</li> <li>The conceptual photos do not represent the project as applied for in the plan sheets.</li> <li>Conceptual 30 shows 75' poles, plans show 85' to 100'.</li> <li>Conceptual 38 shows 65' poles, plans show 70' to 80'.</li> <li>Conceptual 39 shows 75' poles, plans show 72' to 82'.</li> <li>Conceptual 40 shows 75' poles, plans show 76' to 95'.</li> <li>Conceptual 18 shows 80' poles, plans show 82' to 90'.</li> <li>Conceptual 15 shows 80' poles, plans show 82' to 90'.</li> </ul>	The pole heights on the photo simulations ar the comments are for total pole length, not t
109	6/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	New Monopoles comments: The direct embed installations require site-specific geotechnical studies. The foundation-style installations require engineered design drawings. The foundation designs must be analyzed for seismic stability. These new monopoles are proposed to be eighty to one hundred twenty- five feet tall, carrying multiple high-voltage lines under tension, which could land directly on residential houses and a middle school if the foundations should fail. Please provide a profile view of the underground portion of each pole, in relation to the pipeline depth. Would foundations be deeper than the adjacent pipeline depth? How close to the pipeline both vertically and horizontally would these pole installations occur? The Construction Scenarios presented in Appendix B of the plans do not have any scale. How wide would the access road be? Residents must be consulted to agree on the actual access route through backyards. What mitigation is proposed for tree and shrub removal on resident's land? Installing a two-gallon tree to replace a full grown tree does not mitigate the long-term loss of shade, visual buffer, and noise reduction benefits we currently enjoy, let alone the fact that our pre-school child planted it so many years ago. The project should provide professional appraisal of all vegetation proposed to be disturbed and pay that cost to the land owner. The Citizens Advisory groups have not been consulted on the choice of pole finish. This is an important consideration, both for the overall character of the neighborhood, and for residents who will have to look at individual	<ul> <li>PSE design meets the appropriate NESC design be addressed on a property-by-property basid owners. If property owners are interested, the lit is expected that in most instances, the pole the depth of the Olympic pipeline(s). Profile permit application.</li> <li>Temporary access roads will be developed as operate within its existing property rights for the corridor and project duration.</li> <li>Pole finish will be suggested by PSE; however decision.</li> </ul>

are approximations. Additionally, the plan height referenced in the above ground height.

esign requirements. Property owner vegetation replacement will asis. PSE has made considerable efforts to meet with property *I*, they can contact PSE.

oles would be installed at a depth that would be greater than ile views could be provided as part of the Clear and Grade

as necessary to meet construction requirements. PSE will for access. Coordination with residents will be made throughout

ver, the permitting jurisdictions will have input into the final

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
					poles intruding on their view outside their windows.	
110	7/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	Plan sheet comments:The plan sheets show only one existing pole location where existing pole structures are H-poles. Revise the sheets to show actual existing pole locations.Sheet 5/25 shows a three new high tension lines over I-90, with three new poles and a new line headed east extending off the plan sheet. This new line is not part of the project proposal.	There are no new transmission lines over I-9 230 kV. One additional shield wire will be ac
111	8/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	<ul> <li>Overall project comments:</li> <li>The project application is incomplete. There is inadequate analysis of project effects, including wetland impacts, stream impacts, stormwater management, and tree canopy targets. There is no wetland mitigation plan, no final culvert design, and no long-term stormwater management plan.</li> <li>The project does not have required state and federal permits, including Section 404 permit, Section 401 Water Quality Certification, and Hydraulic Project Approval.</li> <li>The design for pole foundations is completely lacking.</li> <li>While it is acceptable to phase construction, the project must be permitted as a whole and complete project. The project as applied for does not have independent utility.</li> </ul>	The project application was determined com PSE will be apply for and obtain the necessar If additional information is required for foun Grade permit application. For linear projects, such as utility lines, it is c jurisdiction. PSE's application follows approp
112	9/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	South Bellevue Critical Areas Report Puget Sound Energy – Energize Eastside Report, the Watershed Company August 2017: Page 17 – 18 discusses salmon in South Bellevue streams and notes lamphrey use only. This is inconsistent with the Watershed Company Report 2008 Spawner Survey Report which found Chinook salmon, Coho Salmon, and Cutthroat Trout use in Richards Creek and Coal Creek. Further the tributary that the Richards Road 230 kV substation is located on goes to Richards Creek. Richards Creek has Clean Water Act category 5 303(d) listing #70091 for bioassessment; this requires improved water quality conditions and the proposed stream reconfiguration proposed under the Energize project will likely act to reduce water quality.	Coho salmon and river lamprey are noted as Chinook salmon are not discussed in the Crit Species Act (ESA) document as stated in the considered a species of importance by the Ci noted in the Critical Areas Report, pages 8 ar Per page 49 of the Critical Areas Report: Wid stream will increase their capacity to provide from stormwater originating off-site upstrea prior to it reaching the stream onsite. Furthe paved industrial area adjoining to the west of reduce the entrainment of pollutants from th improvements in water quality. While the st benthic, macroinvertebrates), there could be pollutant(s) habitat issues, fine sedimentation water quality, habitat, and sedimentation, fu anticipated.

-90. Two of the existing lines will be upgraded from 115 kV to added to the system.

mplete by the City.

ary permits for the project.

Indation design, it will be provided as part of the Clear and

common and typically, required to permit the project by opriate state and city regulations.

as being in Coal Creek on page 22 of the Critical Areas Report. ritical Areas Report, but rather in the Project's Endangered e Critical Areas Report, page 17. While cutthroat trout are not City of Bellevue, use of Richards Creek by cutthroat trout is and 50.

Vider and more fully vegetated buffers along both sides of the de biofiltration function. This will help to improve water quality eam as well as helping to filter storm water originating onsite thermore, preventing flows from spilling out onto a lower, during high-flow events (and even from pervasive seepage) will this pollution-generating surface. This will result in overall stream is listed for impairment of biological integrity (i.e., be many causes for such a listing including unknown tion, etc. As the project will result in overall improvements to further impairment of the stream for biological integrity is not

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113	10/10	Nolan, Joan & Robert	4700 133rd Avenue SE, Bellevue, WA 98006	8-Mar-18	Alternative Siting Analysis – Questions: PSE states that the proposed Energize corridor was chosen after extensive study. How can this be when PSE has still not produced any evidence that it has considered EIS comments from at least 2016 onwards? Why has PSE chosen a residential corridor rather than an industrial corridor for Energize? What will PSE do to mitigate the negative impact to the City of Bellevue view corridors?	PSE initiated a Community Advisor Group that corridors. Additionally, there are only limited existing corridor as it is one of only a few nor existing 115 kV corridor limits impacts.
114	1/1	Picatti, William	5245 Highland Drive, Bellevue, WA 98006	14-Mar-18	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because the data that PSE has provided is faulty in oh so many ways. The use of winter-time load factors combined with summer- time derating factors is but one example. Combine the use of faulty information with the lack of acceptance of updated usage / demand numbers and new technologies, and this request doesn't make sense. This proposed project is way too expensive and potentially hazardous to the environment and the people that live near the proposed new line. Please, do not support the PSE proposal for this new, dangerous transmission line!	Please see the attached Comment Response
115	1/1	Rossi, Ralph A.	5933 149th Ave SE, Bellevue, WA 98006	13-Mar-18	I would like to be a party of record, opposing PSE's planned power line expansion in Bellevue.	Comment is addressed to the City.
116	1/1	Saw, Chit	13809 SE 51st Place, Bellevue, WA 98006	11-Mar-18	As a concerned citizen of Bellevue, I am writing to ask that the city NOT approve PSE's permit application to build high-voltage transmission lines for its Energize Eastside project that will cut through our neighborhoods and schools, and gravely endanger us all. As has already been argued countless times in public meetings on this issue, this project is unnecessary and a waste of ratepayer funds. It was undertaken primarily for the purposes of generating a financial return for the utility's investors. Furthermore, it is risky to install tall power poles within feet of two half- century-old petroleum pipelines. A section of PSE's preferred alignment for the new poles will cut right through Tyee Middle School, which my child attends. Why would the city government, which is supposed to represent the interests of its citizens, even consider putting staff and students at risk for a project which brings little benefit to the community? Not to mention the damage that this blight on the landscape will bring to our communities and the environment by removing thousands of valuable urban trees. After all, aren't we supposed to be a "City in a Park"? There are far less costly ways to enhance the reliability and resiliency of the Eastside power grid. I would urge you to take the concerns of Bellevue citizens seriously and accordingly reject PSE's Energize Eastside permit application. Let's all work together to find real solutions that are more in	Please see the attached Comment Response

that met a multitude of times to assess and recommend red areas zoned as Industrial through the City. PSE chose the north-south existing utility corridors; placing the new lines in the

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
					line with our values as a city.	
117	1/1	Scott, David & Sherron	4539 Somerset Dr. SE, Bellevue, WA 98006	10-Mar-18	4539 Somerset Dr.S.E.Bellevue Wa. 98006 The above address, our home is situated in close proximity to the gas pipeline on the west and downhill side of the line. We have strong concerns relative to the safety in regards to any intrusion of the environment adjacent to the existing lines by the addition of the proposed power transmission lines.	Please see the attached Comment Response
118	1/1	Stronk, Sue	12917 SE 86th Pl, Newcastle, WA 98056	12-Mar-18	<ol> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ol>	Please see the attached Comment Response
119	1/1	Suurs, Mindy	4662 144th PI SE, Bellevue, WA 98006	8-Mar-18	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. 2. It is risky to install tall power poles within feet of two half-century- old petroleum pipelines. 3. It damages communities and the environment by removing thousands of valuable urban trees. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Why would such a progressive, tech-oriented area (Eastside) use anything less than the newest, best, most environmentally friendly utilities? Why spend so much money and end up with an outdated eyesore result? Do NOT let the profit motive of this corporation (PSE) dictate this backward- thinking plan. There is no excuse – you can't say you didn't know better because PSE has turned a blind eye toward all the evidence from CENSE and others and wants to plow forward recklessly with their predetermined plan. Please notify me when any Bellevue public hearing for this project is announced.	Please see the Comment Response Summary

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
120	1/1	Tien, Patrick	4711 135th Pl SE Bellevue, WA 98006- 3034	9-Mar-18	<ul> <li>Please put me/my feedback in the party of records for PSE/EE application;</li> <li>Name: Pen-ho Patrick Tien</li> <li>Address: 4711 135th PL SE Bellevue, WA 98006-3034</li> <li>Here are my comments:</li> <li>1. The PSE project impacts on our property and make the whole area industrial looking.</li> <li>2. I have a big concern about safety during construction around pipelines.</li> <li>3. There is no insufficient proven need for this project.</li> </ul>	Please see the attached Comment Response
121	1/1	Ting, Rachel	13314 SE 44th Pl, Bellevue, WA 98006	7-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response
122	1/1	Tong, Loan	13308 SE 44th Pl, Bellevue, WA 98006	7-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
123	1/1	Turner, Ingrid	12512 SE 52nd St., Bellevue, WA 98006	13-Mar-18	<ol> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>It is unnecessary and wasteful of ratepayer funds.</li> <li>It is risky to install tall power poles within feet of two half-century-old petroleum pipelines.</li> <li>It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>There are less costly ways to enhance the reliability and resiliency of the Eastside power grid.</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ol>	Please see the attached Comment Response
124	1/1	Weir, Kristina H.	4639 133rd Ave SE, Bellevue WA 98006	15-Mar-18	I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because: 1. It is unnecessary and wasteful of ratepayer funds. PSE has not provided evidence that we actually need this big increase in energy capacity. Demand has been relatively stable despite increases in population and jobs. 2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines. 3. It damages communities and the environment by removing thousands of valuable urban trees. Also PSE relies on fossil based fuels for 60% of its energy production which adds to GHG's. 4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. PSE has admitted it project will not increase reliability. Please notify me when any Bellevue public hearing for this project is announced.	Please see the attached Comment Response
125	1/1	Wilson, Jennifer	14312 SE 45th Street, Bellevue, WA 98006	6-Mar-18	<ul> <li>I am writing to ask that the city NOT approve PSE's application to build Energize Eastside because:</li> <li>1. It is unnecessary and wasteful of ratepayer funds.</li> <li>2. It is risky to install tall power poles within feet of two half-century-old petroleum pipelines, especially in such close proximity to schools, daycare facilities, and homes.</li> <li>3. It damages communities and the environment by removing thousands of valuable urban trees.</li> <li>4. There are less costly ways to enhance the reliability and resiliency of the Eastside power grid. Bellevue can and should join the 21st century on this!</li> <li>Please notify me when any Bellevue public hearing for this project is announced.</li> </ul>	Please see the attached Comment Response

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PSE I	Response t	o Public Comment				
Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
126	1/1	Aramburu, Rick	Aramburu & Eustis, LLP 720 Third Avenue, SUITE 2000 Seattle, WA 98104	9-Mar-18	See attachment: 2018-3-9 Bellevue-permit bifurcation.pdf for full details of comments to be addressed.	PSE's application is compliant with state and
127	1/1	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	18-Nov-17	See attachment: Energize Eastside Permit Questions 11-18-2017.pdf *This is a shorter version of Mr. Borgmann's pdf submitted on March 10, 2018.	Thank you for these comments, which are po
128	1/3	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	18-Nov-17	PSE clearly stated they care about two things: SAFETY and RELIABILITY. Keri Pravitz reiterated that to me personally during the "Open House" at the end of the meeting. However, those claims ring hollow. The existing power corridor was sublet to the Olympic Pipeline - not visa versa. The power lines were installed first, THEN the pipeline. That order of construction is important. Now PSE wants to go in and dig around aging pipelines to install new poles for a power line to carry 4X more power. This is a recipe for DISASTER. PSE has an abysmal safety record with gas pipelines (despite their claims to the contrary). Remember the Greenwood neighborhood explosion? And those are PSE natural gas pipelines that they own and presumably know where they are located. PSE is not the owner of the Olympic Pipeline. PSE doesn't know the nuances of how the pipelines were installed, and how they operate. There is more than one pipeline. And those are BIG pipelines (16" diameter and 20" diameter) with JET FUEL flowing at 700 PSI. Jet fuel is much more highly volatile than natural gas. We are being asked to trust PSE? How can the City take PSE's safety claims. The City is exposing themselves to serious liability by even contemplating allowing PSE to install power lines on top of the pipelines. Power lines were installed first, THEN pipelines. Not the other way around. The order of construction mattered 50 years ago, and it matters today.	Comments are addressed to the City. PSE is a to coordinate work within the corridor. Nota the past decade.
129	2/3	Borgmann, Russell	2100 120th Pl SE, Bellevue, WA 98005	18-Nov-17	PSE also spoke about RELIABILITY. "We have to keep the lights on." FACT: Energize Eastside will not affect reliability. PSE's own representatives (Andy Swayne) is on record stating that fact. Energize Eastside will neither decrease the frequency of outages nor the duration of outages. I urge the City to ask PSE to quantify exactly how much reliability will be improved as a result of Energize Eastside. They City owes the public that answer. I've asked. PSE's answer: ZERO increase in reliability. Yet this project will cost ratepayers over \$1BILLION dollars over the next 40 years?! "Keeping the lights on" is a blatant scare tactic. It frightens residents. It threatens businesses by implying they will not be able to grow. It intimidates City Government by leading them to believe they won't be able to continue	PSE is not in agreement with assumption sup other forms of outages (storms) and the diff encompassed in the electrical business unde employees to plan for and ensure reliability did hire a third party expert Utility System Ef for the project.

nd city regulations.

posted and answered elsewhere in this document.

is aware of the pipelines in the corridor and works with Olympic otably, dozens of poles have been replaced in the corridor over

supporting these opinions. Understanding system reliability, lifference between energy usage and demand are matters idertaken by PSE and we are confident in the work of our ty at all times. At the request of the public, the City of Bellevue in Efficiencies (USE) in system planning, who confirmed the need

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
					<ul> <li>business development efforts. BUT IT SERIOUSLY MISREPRESENTS AND</li> <li>DISTORTS THE FACTS. Despite robust growth (population and economic), electricity demand is DECLINING due to more energy efficient construction techniques, building materials, micro-generation, conservation - to name a few. Here is an example:</li> <li>While it seems counterintuitive at first look, despite the BOOMING economy and growth in the region (population and economy), ELECTRICITY DEMAND is flat to declining in the region. Here's one of the many reasons why:</li> <li>https://blog.aboutamazon.com/sustainability/the-super-efficient-heat-source-hidden-below-amazons-new-headquarters</li> <li>It's not just Amazon's high rises that are following these principles. Virtually every major building project on the Eastside and in Seattle are incorporating significant energy efficiencies.</li> <li>The fact that the City helps facilitate this fraudulent misrepresentation of the facts makes the City complicit in PSE's fraud - again exposing the City to significant liability. I urge the City to stick to the facts. I urge the City to hire independent experts to validate all claims by PSE - as recommended by EXPONENT in their 2012 report on Bellevue's electrical reliability.</li> </ul>	

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
130	3/3	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	18-Nov-17	<ul> <li>PSE is maintaining their 3-prong media campaign to scare residents, businesses, and City Government:</li> <li>1. Eastside Growth is straining the local grid</li> <li>2. The "backbone" hasn't been upgraded in over 50 years</li> <li>3. If we don't act soon, we will face rolling blackouts</li> <li>PSE said during they meeting that they would have to begin implementing even more complex Correction Action Plans (CAPs) to keep the lights on.</li> <li>That certainly implies that PSE has already had to resort to CAPs because the situation is so dire. I urge the City to ask PSE exactly how many CAPs they have had to institute in the last 6 years? Dozen years? Please report that information publically. PSE has employed ZERO CAPs to-date. FACT:</li> <li>Bonneville Power Administration has an automated system (installed and inuse since 2007) that will prevent rolling blackouts. BPA controls this - not PSE. BPA has stated that the lights will stay on - contrary to PSE's scare tactics.</li> <li>Our region's electrical grid is exactly that - A GRID. There is no longer a "backbone". Our region's transmission system resembles more of a "mesh" or a "network" not a single centralized line subject to damage by storms or natural disasters. And that transmission GRID has been upgraded multiple times in the past 20 years, including recent upgrades in 2009. It is completely false when PSE says they haven't upgraded the transmission system in 50 years. PSE is required, at a minimum, to review and analyze their system every 2 years via the Integrated Resource Planning (IRP) process. PSE makes routine transmission upgrades and improvements. If they did not, they would be delinquent in their regulated duty to provide reliable electricity to its customers. "The backbone hasn't been upgraded in over 50 years" is a good sound bite, but a false argument. Since the City hosted this meeting and heard PSE make that claim, the City has the resonsibility to set the record straight. The City owes the public the facts on CAPs that PSE has h</li></ul>	Corrective Action Plans (CAPs) are operating CAPs are used in real-time ( <i>i.e.</i> , operations). the future, so the measures can be planned requirements are rigorous and do not allow be called on in emergencies. When PSE plan will have options that can keep the lights on the studied conditions. By law, the company problems before it decides to plan a solution

ing procedures utilized by operators to help keep the lights on. s). PSE planning is based on forecasts of which could happen in ed out and taken to avoid such events. The planning ow utilities to count on temporary operational measures that may ans to rigorous performance criteria, then operators in real-time on, even if the actual real-time operating conditions differ from any cannot, and does not, wait for real-time operational cion.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
131	1/1	Borgmann, Russell	2100 120th PI SE, Bellevue, WA 98005	18-Nov-17	<ul> <li>Please add these comments to the Energize Eastside Permit Public Comments. Please confirm receipt of these comments.</li> <li>Tree Canopy: QUALITY and QUANTITY</li> <li>PSE has stated that their goal is to have MORE trees, not less, once their project is complete. However, tree canopy is not solely a question of quantity, but also QUALITY. According to Professor Timothy Fahey (Cornell University) a mature tree canopy (50 years) can sequester 30,000 lbs of carbon dioxide per acre and emit about 22,000 lbs of oxygen. According to the EIS, Energize Eastside will denude the equivalent of 327 acres. Destroying over 300 acres of mature native vegetation could result in escalating carbon dioxide levels by at least 9 MILLION pounds. How much is that? That is the equivalent of burning an additional 450,000 gallons of gasoline. With vehicles averaging approximately 25 miles/gallon, that's the equivalent of driving an additional 11 million miles, or adding approximately 900,000 vehicles per year to Puget Sound region highways. It will take MANY, MANY years for young vegetation and saplings to make up for the loss of mature tree canopy. In the meantime, the region's pollution and greenhouse gas emissions will escalate. Tree canopy is about the QUALITY and QUANTITY of mature vegetation.</li> <li>How will the City of Bellevue respond to criticism about escalating pollution and greenhouse gas emissions are sequestered</li> <li>2. Young saplings will not generate and emit nearly as much oxygen, until they mature - requiring SEVERAL DECADES</li> <li>3. Energize Eastside transmission lines will generate corona, which is proven to attract airborne particles, thereby further increasing pollution in the region</li> <li>How will the City of Bellevue respond to failure to adhere to Low Impact Development (LID) Principles enacted by the City of Bellevue, specifically related to mature tree canopy? LID is about more than storm water</li> </ul>	Response to #1 and #2: Please see the Air dis Statement (FEIS). Response to #3: PSE is not aware of corona-o Response to LID question: PSE will comply w "impervious surfaces" per Chapter 20.20 of the Project's Clearing and Grading Permit pro compliance with Section 20.25A of the Bellev
132	1/1	Cox, Sean	4538 Somerset Dr. SE Bellevue, WA 98006	16-Nov-17	Please address how PSE can apply for permits when they haven't addressed any of the safety and risks identified by residents. They have not followed the process outlined in the states requirements for infrastructure projects and the City of Bellevue has not required them to follow the process. Until all the designs, risks, and safety issues have been addressed all permits should be denied. You can see the risks and safety items that I have submitted as part of the EIS process.	PSE has followed the appropriate processes in Energize Eastside. The comment is noted; ho design, risks and safety issues were not addre process.

discussions in Section 4.5 of the Final Environmental Impact

-causing air pollution.

with the City's requirements for "hard surfaces" and f the Bellevue Land Use Code. This will be detailed as part of process. Proposed landscaping and re-vegetation will be done in evue Land Use Code.

es in developing and preparing permit application materials for however, no specifics are provided regarding what parts of the dressed during the EIS process and the permit application

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
133	1/1	Esayian, Karen and Sam	4601 135th Ave SE, Bellevue, WA 98006	16-Nov-17	<ul> <li>Good morning Heidi,</li> <li>My question and concern is about the Energize Eastside proposal and permit application by PSE.</li> <li>Specifically: commenting on the Conditional Use Permit (File # 17-120556-LB) Critical Areas Land Use Permit (File # 17-120557-LO</li> <li>During the comment periods for Phase I and Phase II of the EIS we were assured that our comments would all be included and reviewed in the FEIS. Now that we are in a 'comment period' for the EE application there is confusion as to whether the comments made by Eastside residents in Phase I and Phase II will definitely be carried over and included in the current comment period.</li> <li>Ormust all residents who wish to be a party of record once again submit comments, names and addresses to be included in this process?</li> <li>(These questions were not fully addressed on the City's webpages, see below)</li> <li>My notes are incomplete from the 11/14 meeting as to suggested comment topics.</li> <li>Could you outline them?</li> <li>Thank you for your work on behalf of Bellevue residents.</li> </ul>	Questions and comments are addressed to t
134	1/1	Fletcher, Sarah		3-Dec-17	Good morning, as there is no mention of how much of Eastside's electricity would be needed to run Sound Transit's East Link Light Rail, is that because Sound Transit's East Link will not be needing electricity from this Richards Creek Substation? And you or someone at Puget Sound Energy might know, Where is Sound Transit's East Link light rail electricity to run it coming from? And if the electricity from Richards Creek Substation is needed, how much of it will be used for light rail and how much to run the electricity in people's homes /businesses? Perhaps, you could come out with a chart to compare the Light Rail energy use to how many houses equivalent use that works out to a day/week? "PSE proposes to construct a new Richards Creek Substation in Bellevue and upgrade 18 miles of two existing 115-kilovolt transmission lines with 230- kilovolt lines. Collectively this proposal, which spans from Renton to Redmond, is referred to as Energize Eastside."	The Sound Transit East Link Light Rail will ob East Link project have already been account

o the City.

obtain power from both PSE and SCL. Expected loads from the inted for in PSE's load studies.

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
135	1/1	Harris, Brit		26-Nov-17	Please do not allow PSE to put high voltage power lines near Tyee Middle school. As an engineer myself, I know there are always going to be safety risks by placing them next to fuel lines. There are no measure that can eliminate all safety risks. According to the National Cancer Institute (https://www.cancer.gov/about-cancer/causes-prevention/risk/radiation/electromagnetic-fields-fact-sheet) the interpretation of the finding of increased childhood leukemia risk among children with the highest exposures (at least $0.3 \ \mu$ T) is unclear. Several studies have analyzed the combined data from multiple studies of power line exposure have found an increase in childhood leukemia(details are listed in the above link). Extremely low frequency EMFs (ELF-EMFs). Sources of ELF-EMFs include power lines, electrical wiring, and electrical appliances such as shavers, hair dryers, and electric blankets. In 2002, the International Agency for Research on Cancer (IARC), a component of the World Health Organization, appointed an expert Working Group to review all available evidence on static and extremely low frequency electric and magnetic fields (12). The Working Group classified ELF-EMFs as "possibly carcinogenic to humans," based on limited evidence from human studies in relation to childhood leukemia. In 2015, the European Commission Scientific Committee on Emerging and Newly Identified Health Risks reviewed electromagnetic fieldsExit Disclaimer in general, as well as cell phones in particular. It found that, overall, epidemiologic studies of extremely low frequency fields show an increased risk of childhood leukemia with estimated daily average exposures above 0.3 to 0.4 $\mu$ T, Until further studies can eliminate this as a risk, we should assume that this is still a high possibility. Please do not expose the children to these power lines for long periods of time!	The FEIS states: "As discussed in the Phase 1 I frequency EMF at the levels expected from the (Section 4.8.5.1) Please see the provided Comment Response S

1 Draft EIS, there are no known health effects from power the No Action Alternative or PSE's Proposed Alignment."

e Summary and Section 4.8 of the FEIS for more information.

Lir #	e Multipart question?		Address (If provided)	Date Submitted	Question/Comment	PSE Response
13	6 1/1	Judkins, Kathy	4324-136th PI SE, Bellevue, WA 98006- 2237	14-Nov-17	Heidi I will be at the meeting tonight. I wish to be a party of against this permit for the EE project. I have two poles in my yard at 4324-136th PI SE Bellevue, WA 98006. The proposed Permit states the new pole will be 80 feet tall with 230kwh lines. This will be an extreme danger to my home in the event of an earthquake or other natural disaster. The pole with that height will fall on my home or my neighbor Kelly Xu's home. We also have the Olympic Pipeline in close proximity to this pole. Also the only access to my home is on the easement drive. I am a 71 year old widow and need access to my driveway. No written details have been mailed to me by Energize the Eastside other than this October 19 Permit Bulletin. I have refused to meet alone with EE people. I asked to have a meeting with my neighbors on the easement and PSE/EE project people but that request was not given. Please list me as a party of record as being against this record. No permit should be issued, I believe that batteries are the answer. Thank you Kathy Judkins CENSE member Former Somerset Community Association President for 3 years Somerset resident since 1983 4324-136th PI SE Bellevue, WA 98006-2237	Please see the attached Comment Response is continues to reach out to - property owners a access plans.

se Summary. Additionally, PSE has reached out to – and rs along the corridor to discuss and clarify revegetation and

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
137	1/1	Walter, Karen	39015 172nd Ave SE, Auburn, WA 98092	17-Nov-17	<ul> <li>Heidi, Thank you again for sending us the link to documents associated with the Eastside Energize Project for the Bellevue portion. We have reviewed the available information and offer additional comments to those we have already provided:</li> <li>With respect to the CAR and mitigation plan (our last comment in the email below), it is noted that the plan is preliminary and incomplete. We request an opportunity to review the final mitigation plan before it is approved. For what mitigation is proposed, there is no consideration regarding impacts to future wood recruitment, a key riparian function. The mitigation plan should include details regarding the size, location, and species of trees to be permanently removed within 200 feet of all streams and wetlands. The native trees that are least 4 inches in diameter and within 200 feet of streams should be placed back into the affected streams to create fish habitat. The project should also mitigate for the permanent loss of native tree growth for trees that grow taller than 15 feet naturally and where the ROW overlaps with these 200 foot zones. Since the applicant cannot do so in the corridor, the applicant should be mitigating for this particular impact offsite.</li> <li>Again, we appreciate the opportunity to comment and ask that Bellevue/applicant provided written responses to all comments we have sent to date.</li> <li>Best regards, Karen Walter</li> <li>Watersheds and Land Use Team Leader</li> </ul>	Thank you for the comment; we will provide other Section 404 materials concurrent with
138	1/1	Smith, Grace	201 S. Jackson St., Seattle, WA 98104-3855	2-Nov-17	Attached, please find King County Wastewater Treatment Division's comments on the Notice of Application for Energize Eastside in Bellevue, WA (17-120556-LB/17-120557-LO). Thank you for the opportunity to review and comment on this project.	No attachment was provided.

de these materials to the Muckleshoot Indian Tribe along with the submittal to the U.S. Army Corps of Engineers.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
139	1/1	Nolan, Joan		15-Nov-17	<ul> <li>Hi Heidi,</li> <li>Unfortunately I was unable to attend last night's meeting on Conditional Use Permit (File # 17-120556-LB) Critical Areas Land Use Permit (File # 17- 120557-LO) and ask any questions. So if you would, please get back to me on the following questions:</li> <li>*Are the permit application materials final?</li> <li>*Will new or revised information be submitted?</li> <li>*For last night's presentation on PSE's Energize Eastside Permitting Overview slide 4 Process Overview the timeline does not provide dates. Can you provide these?</li> <li>I'll look forward to hearing back from you on these items, hopefully soon. Thank you for your assistance.</li> </ul>	Questions are addressed to the City.
140	1/1	Lauckhart, Richard	44475 Clubhouse Dr, Davis, CA 95618	11-Dec-17	* <u>Mr. Lauckhart has 17 attachments with embedded comments/questions.</u>	Many of these comments were provided due in the FEIS. See Appendix K, starting on page the Northern Intertie. Typically, the power north in the winter. However, as stated in the Inc. (2015): "The Optional Technical Analysis zero (no transfers to Canada). Although this modeled to provide data on the drivers for driving the need. The results showed that in zero flow, the Talbot Hill 230/115 kV transfe (several different outage scenarios). Again, level to meet reliability regulations." Whether or not generation was turned on its standards. Federal planning standards are u In addition, as stated in the report prepared "Several hypothetical scenarios were studies showed overloads in the 2017/18 timefram regulatory requirements for system reliabiliting growth from 2.4% to 1.5% per year in the p project need. Reducing PSE's King County gis resulted in a project need. Turning on addir project need." Therefore, area generation the Eastside. PSE disagrees with the commenter's conclu- age 100 without improvements. Electric syss industry experts with the experience in and requirements. The need for this project has experts, and is not the conclusion of PSE alco oversite are used to validate Mr. Lauckhart"

during the Phase 2 DEIS comment period and were responded to bage K-141. Operationally, there are always power flows across er flows from north to south during the summer and south to n the report prepared for Bellevue by Utility Systems Efficiencies, ysis examined this issue by reducing the Northern Intertie flow to his scenario is not actually possible due to extant treaties, it was or the EE project, to examine if regional requirements might be t in winter 2017/18, even with the Northern Intertie adjusted to isformer #2 would still be overloaded by several contingencies n, the projected overloads indicate a project need at the local

n is specific to operational parameters and not federal planning e used to determine the need for the Energize Eastside project. red for Bellevue by Utility Systems Efficiencies, Inc. (2015): died as part of the Optional Technical Analysis (OTA). Each one me, indicating project need in order for PSE to meet federal pility. The OTA results showed that reducing the Eastside area e period from winter 2013/14 to winter 2017/18 still resulted in growth while keeping the Eastside growth the same similarly ditional generation in the Puget Sound area also resulted in a on being turned on or off does not change the need for Energize

lusions about the continued viability of the existing system to ystem planning is a complex and rigorous exercise, performed by nd understanding of federally mandated system planning as been firmly established several times by multiple independent alone. It is not known what the quality of technical rigor or expert rt's findings or assumptions.

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Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
141	1/1	Marsh, Don		24-Aug-18	<ol> <li>What were actual summer and winter peak demand levels for the Eastside for 2008-2017? Since peak demand is highly correlated to temperature, this 10-year date range will help us understand the growth trend, the influence of weather, and the relative magnitude of summer and winter peaks.</li> <li>PSE assumes regional transfers of 1,500 MW in winter and 2,850 MW in summer. What portion of these transfers are firm commitments by PSE or BPA that cannot be curtailed during an N-1-1 outage emergency affecting the Eastside?</li> </ol>	<ol> <li>PSE does not track specific subsets of peak peak demand level that was used to assess to summer of 2017; therefore, the information relevant.</li> <li>NERC TPL standards require that firm com questions is not relevant to the application n</li> </ol>
142	1/3	Marsh, Don		28-Aug-18	The City asked PSE for hourly records of Eastside demand for the summer of 2017. However, the applicant is required by LUC 20.20.255 to provide the following: b. Describe how the proposed electrical utility facility provides reliability to customers served; c. Describe components of the proposed electrical utility facility that relate to system reliability; Information describing both summer and winter peaks is critical to assessing whether customer and system reliability is improved by the project. The FEIS at page 1-3 states the need for proposal is the "risk of power outages that typically occur in cold or hot weather as early as the summer of 2018." Accordingly, PSE must provide hourly records for summer and winter peaks for 2008-2017 so decision makers can assess demand trends during the past decade. The FEIS at page 1-5 says that there is "potential for load shedding (forced power outages) by summer of 2018." Data for peak loads during the summer of 2018 should be provided since the peak warm period for the summer of 2018 has now passed. Since the replacement of the Lakeside substation is also part of the project, PSE should specify the power flowing through the Lakeside substation for the periods in question. (This expands the request in our first letter.)	b and c) PSE has addressed these topics in Se submitted as part of the CUP application. The CUP decision criteria do not require the hour data. The City's expert, USE, has indepe that support PSE's needs assessment. These required by FERC/NERC, PSE currently has Co Additionally, the commenter's statements re substation is not being replaced as part of th
143	2/3	Marsh, Don		28-Aug-18	BPA publishes records of electricity transferred between the U.S. and British Columbia over the Northern Intertie. These records show that large transfers happen occasionally. For example, on January 1, 2018, British Columbia transferred 2,244 MW to the U.S. On January 24, 2018, the U.S. transferred 1,974 MW to B.C. Under the code provisions above, PSE is obligated to describe how much of this electricity passed through the Talbot Hill, Lakeside and Sammamish transformers in each case (north and south transfers).	Bellevue hired USE to look at the issues raise Technical Analysis examined this issue by rec Canada). Although this scenario is not actual data on the drivers for the EE project, to exa results showed that in winter 2017/18, even Hill 230/115 kV transformer #2 would still be outage scenarios). Again, the projected over reliability regulations." Additional discussion application materials.

ak demand levels across the system. The actual normalized transmission system deficiencies was exceeded during the n requested related to relative magnitude of peaks is not

mmitments be included in the planning studies; therefore, the nor the project need.

Section 3.0 of the Alternatives Siting Analysis, which was

e City to assess demand trends that may be reflected in hour by bendently verified the methodology, inputs and conclusions e assessments are not informed by hourly use data . As Corrective Action Plans or CAPs in place to address such peaks. related to the Lakeside substation are incorrect. The Lakeside the Energize Eastside project.

sed by the commenter. The USE report states: "The Optional educing the Northern Intertie flow to zero (no transfers to ally possible due to extant treaties, it was modeled to provide camine if regional requirements might be driving the need. The en with the Northern Intertie adjusted to zero flow, the Talbot be overloaded by several contingencies (several different erloads indicate a project need at the local level to meet on related to planning standards are provided in PSE's CUP

bstations to the general public.

Line #	Multipart question?	Question/Comment Author	Address (If provided)	Date Submitted	Question/Comment	PSE Response
144	3/3	Marsh, Don		28-Aug-18	In the 2013 Eastside Needs Assessment, PSE/Quanta assumed that most local generation plants would be offline during an N-1-1 outage emergency. PSE has since admitted that this situation is unlikely to occur. Apparently, PSE ran a second load flow study with normal levels of local generation. PSE must describe details of this second study. Exactly how much were loads on the Talbot Hill and Sammamish transformers reduced when electricity from local generators was available?	PSE's planning method and planning process Bellevue), and during the EIS process by Stan commenters question. The USE report states reducing the Northern Intertie flow to zero (r possible due to extant treaties, it was modele examine if regional requirements might be du even with the Northern Intertie adjusted to z still be overloaded by several contingencies (s overloads indicate a project need at the local
145	1/1	Dahlquist, Mary & Maury	4944 127th PI SE, Bellevue	6-Apr-18	How responsible are they (PSE) working with others? Who will be responsible? Will there be a response Plan in place for the worst case scenario if a gas leak, or explosion occurs?	PSE works with other utilities on a regular bas

ess has been validated by FERC, USE (Commissioned by antec. Bellevue hired USE to look at the basis of the tes: "The Optional Technical Analysis examined this issue by to (no transfers to Canada). Although this scenario is not actually leled to provide data on the drivers for the EE project, to the driving the need. The results showed that in winter 2017/18, to zero flow, the Talbot Hill 230/115 kV transformer #2 would tes (several different outage scenarios). Again, the projected cal level to meet reliability regulations."

basis.

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# DOCUMENT ROUTING FORM

Routed On: 09/24/2018 Prepared by: KEWILSON

# Folder: 17 120556 LB

# Target Date: 04/14/2018

- Folder Name: PSE Energize Eastside
- Site Address: 13625 SE 26th St
- Folder Type: Conditional Use
- Sub Type: Nonresidential
- Work Proposed: Use Approval
  - **Description:** Upgrade to existing transmission lines from 115kV to 230kV, including pole and conductor replacement. Construction of new 23okV to 115kV substation.

Quick Review?:

Project Contact: Puget Sound Energy Brad Strauch

Phone: (425) 462-3223

Subject: Rev. 1 Intake & Route

Materials Routed: Geotech report, site plan, comment response letter

Routed On: 09/24/2018

HBEDWELL	Land Use
TMCFARLA	Clear & Grade
ACHI	Utilities
VHUMPHRE	Transportation
SNICHOLS	Fire



City of Bellevue Permit Processing (425) 452-4898

<b>REVISIONS/ADDITIONS</b>
SUBMITTAL FORM

Tech Initials	V	W	Rev#	
I COIT IIIIIIIIII		~	1104.11	

Job Address:       13600 SE 30th Street, Bellevue         Project Name:       PSE Energize Eastside         Project Contact:       Brad Strauch         Project Contact Email Address:       bradley.strauch@pse.com         Revisions requested by City staff?       Yes & Reviewer:         H.Bedwell       Dept_Env. Planning         No       No         On the line provided, write in the number of sets of each item that you are submitting and identify the sheet numbers.         (Note: You must provide the same number of documents/plans as originally submitted.)         #Sets       #Sets         Architectural Plan - sheet #       Structural Calculations         Boundary/Topo Survey - sheet #       Structural Calculations         Boundary/Topo Survey - sheet #       Wetland Report         C & G Temporary Erosion Control       Electrical Plan - sheet #         Environmental Checklist       Mechanical Plan - sheet #         Environmental Checklist       Mechanical Plan - sheet #         Floor Plan - sheet #       Date Recording         2       Geotechnical Report       Date Recorded:         Landscape Plan - sheet #       1       Other: Explain and include # of sets.         Read Plan - sheet #       Storm Drainage Design - sheet #	Perm	it #	Has permit been issued? Yes □ No ⊠
Project Contact:       Brad Strauch       Phone: (425) 456-2556         Project Contact Email Address:       bradley.strauch@pse.com         Revisions requested by City staff? Yes & Reviewer:       H.Bedwell       Dept Env. Planning         No       Image: Dept Env. Planning       No       Image: Dept Env. Planning         On the line provided, write in the number of sets of each item that you are submitting and identify the sheet numbers.       (Note: You must provide the same number of documents/plans as originally submitted.)         #Sets       #Sets       #Sets         Architectural Plan - sheet #       Structural Calculations         Boundary/Topo Survey - sheet #       Structural Plan - sheet #         Building Elevations - sheet #       Wetland Report         C & G Temporary Erosion Control       Electrical Plan - sheet #         Civil Plan - sheet #       Electrical Plan - sheet #         Environmental Checklist       Mechanical Plan - sheet #	Job A	ddress: 13600 SE 30th Street, Bellevue	
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Project Contact Email Address:       bradley.strauch@pse.com         Revisions requested by City staff? Yes & Reviewer:       Dept_Env. Planning         No       No         On the line provided, write in the number of sets of each item that you are submitting and identify the sheet numbers.         (Note: You must provide the same number of documents/plans as originally submitted.)         #Sets       #Sets         Architectural Plan - sheet #       Structural Calculations         Boundary/Topo Survey - sheet #       Structural Plan - sheet #         Building Elevations - sheet #       Wetland Report         C & G Temporary Erosion Control       Electrical Plan - sheet #         Environmental Checklist       Mechanical Plan - sheet #         Exterior Lighting Plan - sheet #       Plumbing Plan - sheet #         Floor Plan - sheet #       King County Recording         2       Geotechnical Report       Date Recorded:	Projec	ct Contact:_Brad Strauch	Phone:(425) 456-2556
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		Street Lighting Plan - sheet #	
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# Describe the nature of the changes:

Response to City comments provided on August 14, 2018.

SEP 2 1 2018 Pormit Processing



Puget Sound Energy P.O. Box 97034 Bellevue, WA 98009-9734

PSE.com

September 21, 2018

Heidi Bedwell, Environmental Planning Manager City of Bellevue 450 110th Avenue NE Bellevue, WA 98004

#### RE: South Bellevue Segment Energize Eastside – Response to Technical Review Letter, Part 1 Conditional Use (File# 17-120556-LB) Critical Areas Land Use Permit (File #17-120557-LO)

Dear Ms. Bedwell:

Puget Sound Energy, Inc. (PSE) provides the following responses to the City of Bellevue's (City's) August 14th, 2018, letter requesting additional information on the above referenced permit applications. The responses follow the order in which they are presented in the City's letter.

#### Land Use Review Comments

**Map Book:** The map books have been repaginated to better facilitate review. These are included with this submittal.

**Substation Site Plan:** The existing conditions site plan for the Richards Creek substation (Drawing D-18160, Sheet 1) has been updated with the critical areas information and is included with this submittal. An update to the Critical Areas report that captures the areas of impact at Richards Creek will be submitted under separate cover.

Load Forecast: Please see the attached memorandum on this topic.

1. What was the actual peak Eastside customer demand for the summer of 2017? Please indicate what the [summer] peak load period was and express the peak in terms of hourly demand. Please clarify what is considered the Eastside in this context.

PSE does not track Eastside actual load data in real time as part of its regular operations. PSE does track the system peak. The 2017 system summer peak exceeded PSE's forecasted 2018 summer normalized system peak used in the Eastside studies. This demonstrates that the forecasts that PSE used in its planning studies are accurate, although perhaps a bit conservative. Where previous analysis focused on the Eastside as a part of the existing system, PSE undertook specific complex engineering analysis for those purposes. However, PSE uses forecasting, not past actuals, to ensure that the existing transmission system meets regulatory criteria. As stated in the report prepared for Bellevue by Utility Systems Efficiencies, Inc. (2015): "Several hypothetical scenarios were studied as part of the Optional Technical Analysis (OTA). Each one showed overloads in the 2017/18 timeframe, indicating project need in order for PSE to meet federal regulatory requirements for system reliability."



PSE's system planning studies that comply with federal planning standards (NERC TPL-01-004) used peak area forecasting as an input for the studies, which demonstrated that there are transmission system deficiencies (violations) that must be addressed. The magnitude or duration of the violation is used as input to develop an appropriate solution to address the violation.

Energize Eastside utilized the federal planning standard (NERC TPL-01-004) requirements in developing solutions to resolve the deficiencies identified in PSE's planning. The impacted area is generally the east side of Lake Washington (as generally shown on Figure 2-1 of the *Puget Sound Energy, Energize Eastside Outage Cost Study* (Nexant 2015).

2. Does PSE have any data on what drove higher electrical consumption in 2017 and/or whether the rate of growth assumed in the needs analysis for Energize Eastside is likely to remain the same or to change, either higher or lower?

PSE does not have specific data related to consumption sources. Additionally, general consumption (a person's use of energy over a period of time) is not a factor that is used to meet federal planning standards (i.e. what is needed to meet peak demand under various contingencies). Based on PSE's forecasts, peak loads are expected to continue to increase over the 20 year planning horizon.

#### 3. During the 2017 peak load period, what was the flow, if any, across the Northern Intertie?

Operationally, there are always power flows across the Northern Intertie. Typically, the power flows from north to south during the summer and south to north in the winter. This topic was addressed in the report prepared for Bellevue by Utility Systems Efficiencies, Inc. (2015):

"The Optional Technical Analysis examined this issue by reducing the Northern Intertie flow to zero (no transfers to Canada). Although this scenario is not actually possible due to extant treaties, it was modeled to provide data on the drivers for the EE project, to examine if regional requirements might be driving the need. The results showed that in winter 2017/18, even with the Northern Intertie adjusted to zero flow, the Talbot Hill 230/115 kV transformer #2 would still be overloaded by several contingencies (several different outage scenarios). Again, the projected overloads indicate a project need at the local level to meet reliability regulations."

# 4. During the 2017 peak load period, what was the output of PSE's power plants in the northern part of the Puget Sound Region?

During the 2017 summer peak load, various PSE generation sources were operating; however, whether or not generation was turned on is relevant to operational parameters and not federal planning standards. Federal planning standards are used to determine the need for the Energize Eastside project. In addition, as stated in the report prepared for Bellevue by Utility Systems Efficiencies, Inc. (2015):

"Several hypothetical scenarios were studied as part of the Optional Technical Analysis (OTA). Each one showed overloads in the 2017/18 timeframe, indicating project need in order for PSE to meet federal



regulatory requirements for system reliability. The OTA results showed that reducing the Eastside area growth from 2.4% to 1.5% per year in the period from winter 2013/14 to winter 2017/18 still resulted in project need. Reducing PSE's King County growth while keeping the Eastside growth the same similarly resulted in a project need. Turning on additional generation in the Puget Sound area also resulted in a project need." Therefore, area generation being turned on or off does not change the need for Energize Eastside.

# 5. Was there a correspondingly higher rate of growth in the winter peak customer demand in winter 2017-2018?

Federal planning criteria do not differentiate between summer and winter peaks. The transmission system is planned to address overload scenarios during a variety of contingencies regardless of the time of year.

Alternative Pole Height-Somerset Neighborhood: The six separate requests under this topic are addressed below.

**1. Feasibility:** While it may be feasible to reduce the heights of the poles through this area (poles 7/3 through 8/2), trade-offs and obstacles must be considered. The electrical and magnetic fields ("EMF") levels and the potential for interaction with the pipeline would increase with any reduction in pole height, and there would be significantly more poles. However, by balancing the span lengths and maintaining safety clearances, preliminary analysis indicates that pole heights could, on average, be reduced by around 16 feet. Under this configuration, the number of poles would more than double and poles would need to be developed and assessed for feasibility. The quantity of excavation would also more than double due to the increased number of poles. For illustrative purposes, please see the attached revised photo simulations for KOP Central 18 and KOP Central 39. These show the Conceptual Project (*i.e.*, CUP Application) and the City's Alternative.

**2. EMF Levels:** As stated in the EMF report (Power Engineers, March 2017), "[r]aising phase conductors higher allows more room for EMF to decrease in value at the measured height of one meter from the ground." PSE worked with Power Engineers to develop an alternative pole layout in the Somerset area using approximately twice the number of poles (C-16 structure type) in order to reduce the overall height. While this approach reduces the average pole height by around 16 feet, the corresponding calculated EMF levels would increase with any pole height reduction. Using the reduced C-16 pole height scenario, the number of poles in the Somerset area would increase from 18 to 42. The calculated maximum EMF would increase approximately 5.5 times (for both electric and magnetic fields) when compared to the existing design (C-16).

Hypothetically, if C-17 pole structures were used throughout the Somerset area (rather than at some limited, specific locations under the existing design), the calculated maximum electric and magnetic fields would increase by approximately 7 and 10 times, respectively.



Additionally, the "[e]lectromagnetic induction is the primary effect of the HVAC transmission line on the buried pipeline during normal (steady state) operation" per the DNV-GL study. Since the EMF levels increase with the shorter poles, so does the potential interaction with collocated pipeline(s). With the shorter pole heights, the source of the EMF (the phase wires in this case) is brought closer to the ground level, thereby decreasing the separation distance between the phase wires and the pipeline. The strength of the EMF decreases with greater distance from the source. Thus, in the existing corridor, with the pole heights comprising the largest component of this separation distance, decreasing the pole heights and the corresponding separation distance between the pipeline and transmission line phase wires would act to increase the induced AC potential on the co-located pipeline segments.

**3. Vegetation Impacts:** Additional trees would be expected to be removed if pole heights are decreased. Although the lowest conductor sag point would not change, the addition of poles and associated access and construction areas would have more impacts on the ground. With fewer taller poles, the conductors are installed with more sag (*i.e.*, they curve more), so the conductor attachment points at the poles are farther from the ground, which, in turn, allows for taller vegetation to be located near the poles.

**4. Pole Diameter:** The difference in pole diameter between the existing design and the shortened C-16 configuration would be nominal as the general taper of the poles is low. It would be expected that the diameter of the shorter poles would generally be reduced by only a few inches.

**5. C-17 Structure Type:** The C-17 pole type allows for lower overall pole heights; however, they were designed to specifically facilitate crossing under the Seattle City Light 230 kV transmission lines in Renton. The C-17 design changes the conductor arrangement from a delta configuration to a flat or horizontal arrangement. Changing the wire configuration will also result in the following impacts: over double the number of poles as compared to the existing C-16 configuration; increased electric and magnetic fields (approximately 7 and 10 times, respectively) as cross-cancellation is significantly reduced when the wires are arranged horizontally; increased pipeline interaction; and increase vegetation removal.

**6.** Additional Parcel Impacts: In order to reduce pole height in the Somerset area, approximately 24 additional poles would be required, 17 of which would be on properties that do not currently have poles. Conceptual pole locations that could be used to facilitate the shorter pole design are depicted on figures 1 through 4. It is important to note that access to the new pole locations has not been assessed nor designed.

**Tree Removal and Vegetation Management:** Information related to tree removal and vegetation management will be submitted under separate cover.

**Reconfiguration of 115kV lines around Richards Creek substation:** The Lakeside substation is PSE's primary 115 kV switching station on the Eastside. Electricity is supplied to the station from the Sammamish and Talbot Hill substations along the two existing Sammamish-Lakeside-Talbot Hill 115 kV



transmission lines, which form the "backbone" of the Eastside electric system. There are thirteen 115 kV transmission lines that originate at the Lakeside substation and connect with as many distribution substations in the Eastside area. As a result of the number of transmission lines in and out of the Lakeside substation and the boundaries of PSE's property and easements, it is necessary to re-locate and re-configure many of these transmission lines to accommodate the Energize Eastside project. The relocated lines are primarily located south of the Lakeside substation and west and south of the proposed Richard's Creek substation. The specific 115 kV line work south of the Lakeside substation, which is part of the South Segment CUP, is described below and is depicted on Appendix C (Substation Site Plan) within the Map Book.

**Shuffleton-Lakeside 115 kV Line:** To accommodate the required wire clearance between the upgraded 230kV Talbot Hill-Richards Creek line and the existing Shuffleton-Lakeside line, the Shuffleton-Lakeside line moves to the west. The relocated Shuffleton-Lakeside line will be strung on new steel poles between the Lakeside substation and the southern boundary of the Richards Creek substation yard. At Talbot Hill-Richards Creek 230 kV #2 pole 8/10 (western circuit) near the King County Transfer Station, the Shuffleton-Lakeside 115 kV and the Talbot Hill-Richards Creek 230 kV #2 (western circuit) line will share a steel double circuit pole, with the Shuffleton-Lakeside line turning 70 degrees and continuing to the west at pole 8/5.

Lakeside-Goodes Corner 115kV Line: In the vicinity of the Lakeside and new Richards Creek substations, the Lakeside-Goodes Corner line is currently on double circuit structures with the existing Talbot Hill-Lakeside #1 line (which will be upgraded to 230 kV). When the existing Talbot Hill-Lakeside #1 and #2 115 kV lines are upgraded to 230 kV as part of the Energize Eastside project, they will be attached to the south side of the new Richards Creek substation; therefore the Lakeside-Goodes Corner line will require new poles to support it. Starting at Lakeside Substation the Lakeside-Goodes Corner line will be moved to the east on steel poles (similar to the C-17 pole type) and cross under both the Richards Creek-Lakeside 115 kV line and the Sammamish-Richards Creek 230 kV #2 line (west circuit). As the Lakeside-Goodes Corner line travels south, it will be relocated west of its existing location for the length of the Richards Creek substation. At the southern limit of the Richards Creek substation, the Lakeside-Goodes Corner line will turn to the southeast for one span and cross under the Sammamish-Richards Creek 230 kV #2 line and the Talbot Hill-Richards Creek 230 kV #1 and #2 lines before proceeding due south. Between poles 8/10 and 9/1 on the Talbot Hill-Richards Creek 230 kV #1 line a new wood pole will be installed for the Lakeside-Goodes Corner line to facilitate keeping it within the existing easement. From this point, the Lakeside-Goodes Corner line will be co-located with the Talbot Hill-Richards Creek 230 kV #1 line on poles 8/9 and 8/10. As the Lakeside-Goodes Corner line continues south it crosses I-90, where it makes a 90 degree turn to the east. At the 90 degree turn south of I-90, this line will be placed on a new steel pole located east of Talbot Hill-Richards Creek 230 kV #1 line, pole 8/8 (eastern circuit).



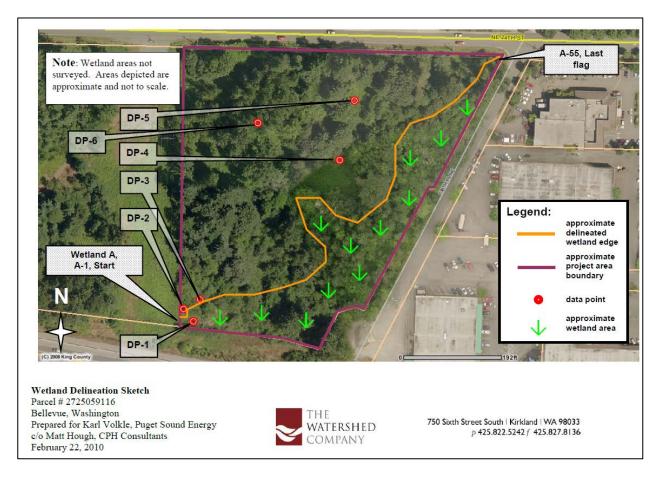
**Richards Creek-Lakeside 115 kV Line:** The Richards Creek-Lakeside line is a new short line between the new Richards Creek substation and the Lakeside substation. The Richards Creek-Lakeside line requires two new steel poles (structures 115-1 and 115-2) and is three spans in length. Pole 115-1 will be a double circuit pole with both the Richards Creek-Lakeside 115 kV line and the Sammamish-Richards Creek 230 kV #1 line.

Public Comment: PSE will provide responses to the public comments under separate cover.

**Critical Areas:** During initial planning of Energize Eastside in 2014, three substation sites were identified and evaluated both by PSE and the Community Advisory Group. The substations sites were named Richards Creek (subject of CUP application), Westminster, and Vernell. These sites were chosen because they are all owned by PSE with the intent of using them for future substation sites (shown on Bellevue Comprehensive Plan Map UT-7). As part of the 2014 evaluation, Critical Areas were factors that were considered, specifically, wetlands, stream crossings, and steep slopes. Both the Richards Creek and Westminster sites are located along the existing SAM-LAK-TAL corridor (i.e., *Willow* route); however, the Vernell site would require the new 230 kV transmission lines to follow a different corridor (i.e., *Sycamore* route) between the Sammamish and Lakeside substations, as well as the installation of additional 115 kV lines between the Clyde Hill and Ardmore substations.

The critical areas associated with the Richards Creek substation site are included in the CUP and LO permit applications. The Westminster site would have used the same 230 kV transmission line corridor that connects the Sammamish substation to the Richards Creek substation (*Willow* route), and so would have similar impacts to those analyzed in the permit applications. The Westminster site, however, is undeveloped and is currently forested with known wetlands located along the eastern portion of the site (See figure below). The siting of a substation at this location would likely cause new impacts to critical areas.





A new 230 kV transmission line route (*Sycamore* route) would be required to connect the Vernell site to the Sammamish substation in Redmond. The Sycamore route was located west of the existing dual 115 kV transmission line corridor (*Willow* route) and is about 3 miles longer than the *Willow* route. A substantial portion of the Sammamish-Vernell 230 kV transmission line corridor would traverse through the city of Kirkland along 116th Avenue NE, which parallels the western extent of Bridle Trails State Park. In addition to the new 230 kV transmission line, in order to use the Vernell site, approximately 2.3 miles of new 115 kV transmission line would need to be constructed between the Vernell site and the Ardmore substation located at 15335 NE 24th Street in Redmond. Additionally, another mile of new 115 kV transmission line would be required to connect the Clyde Hill substation (2401 Bellevue Way NE, Bellevue) to the Vernell site. The Vernell site was removed from further consideration in 2014 because it was not recommended for additional study by the Community Advisory Group. Therefore, specific critical areas information related to the 230 kV line, Vernell site, and appurtenant 115 kV transmission lines corridors was not collected.



The GIS-based data that was collected for the Community Advisory Group process can be used to make a relative comparison between the *Willow* (Richards Creek and Westminster) and *Sycamore* (Vernell) routes. In general, the *Sycamore* route would cross approximately nine more wetlands, four fewer streams, and four more geologic faults than the Willow route. Also, using the CAG GIS data, it is estimated that approximately 1,300 more trees would be subject to removal with the Sycamore route. Most of these trees would be along the western extent of Bridle Trails State Park and 116th Avenue NE, where a number of streams (including known salmonid locations) and wetlands have been identified on Kirkland's Sensitive Areas map (2018).

## **Clearing and Grading – Geotechnical Considerations**

Please see the attached memorandum from GeoEngineers dated September 14, 2018.

### Transportation

1) The City's understanding of the Richards Creek substation operation is correct. When complete, the substation will not have full-time employees; therefore, trip generating patterns or characteristics will not occur. Trips to the site related to inspections and maintenance will occur. As stated in the EIS, "A small number of vehicle trips are expected to be generated when the completed substation is operational." This typically equates to around one round trip vehicle trip per month during standard operation conditions. Additionally, the Richards Creek substation is located adjacent to PSE's



Lakeside substation; therefore, the length of the trips to either substation can be minimized.

2) The additional details that have been requested will be submitted as part of the Clear and Grade Permit application.

### **Right of Way Use Permit**

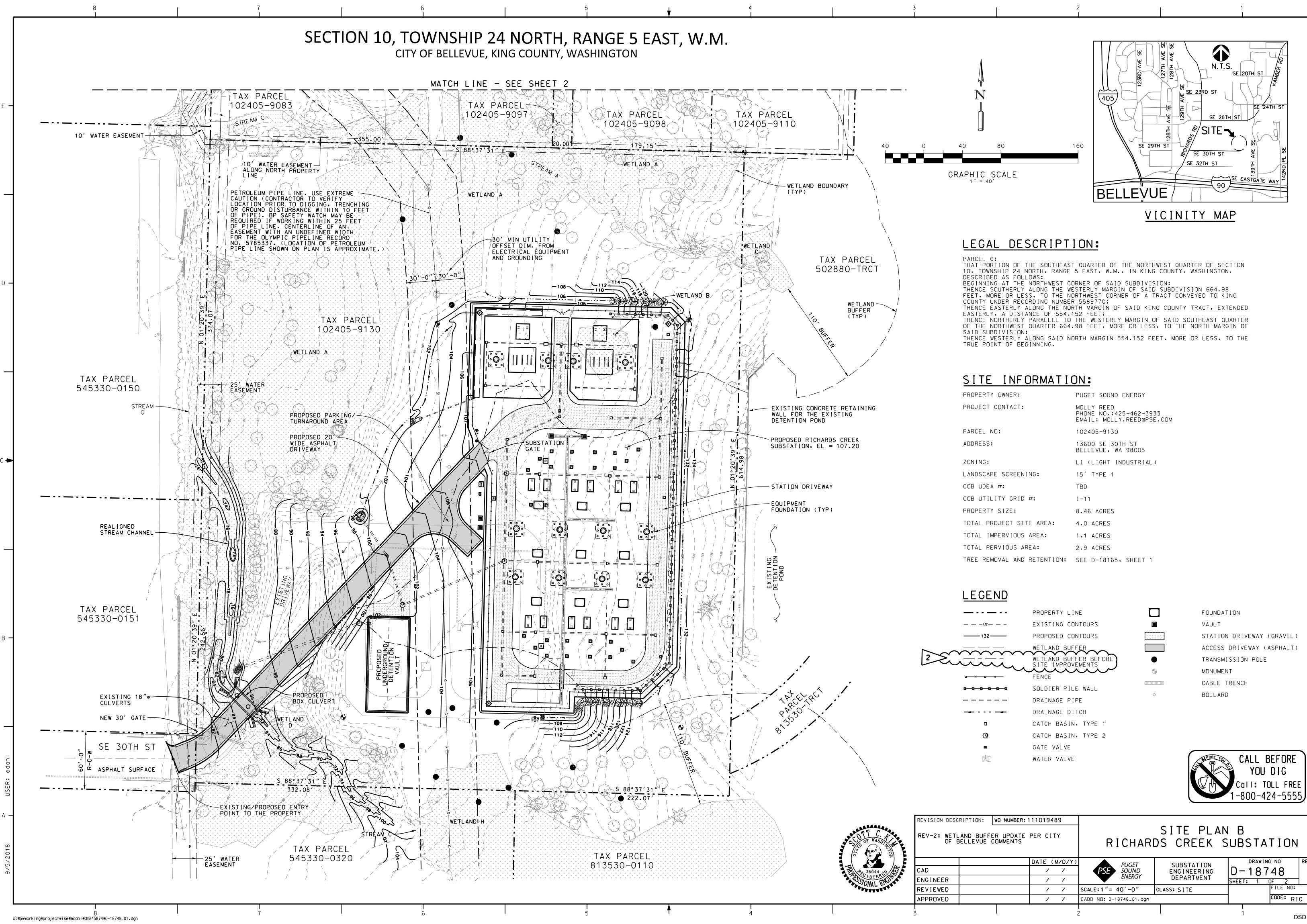
PSE acknowledges that to work in the City ROW that a Right-of-Way Use Permit will be required. PSE or its contractor will apply for the permit separately.

Thank you for you effort in processing our application. Please let us know if additional clarification is needed.

Sincerely,

Bul Starts

Brad Strauch Senior Land Planner



PROPERTY OWNER:	PUGET SOUND ENERGY
PROJECT CONTACT:	MOLLY REED PHONE NO.:425-462-3933 EMAIL: MOLLY.REED@PSE.COM
PARCEL NO:	102405-9130
ADDRESS:	13600 SE 30TH ST Bellevue, wa 98005
ZON I NG:	LI (LIGHT INDUSTRIAL)
LANDSCAPE SCREENING:	15' TYPE 1
COB UDEA #:	TBD
COB UTILITY GRID #:	I – 1 1
PROPERTY SIZE:	8.46 ACRES
TOTAL PROJECT SITE AREA:	4.0 ACRES
TOTAL IMPERVIOUS AREA:	1.1 ACRES
TOTAL PERVIOUS AREA:	2.9 ACRES
TREE REMOVAL AND RETENTION:	SEE D-18165, SHEET 1

<u> </u>	PROPERTY LINE
<u> </u>	EXISTING CONTOURS
<u> </u>	PROPOSED CONTOURS
	WETLAND BUFFER WETLAND BUFFER BEFORE SITE IMPROVEMENTS
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G <u>-0-0-0-</u> 0	SOLDIER PILE WALL
	DRAINAGE PIPE
<b></b>	DRAINAGE DITCH
0	CATCH BASIN, TYPE 1
O	CATCH BASIN, TYPE 2
83	GATE VALVE
КС	WATER VALVE

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### Memorandum

17425 NE Union Hill Road, Suite 250, Redmond, Washington 98052 - Telephone: 425.861.6000, Fax: 425.861.6050

www.geoengineers.com

То:	Kelly Purnell, Puget Sound Energy	Wash
From:	Elson T. "Chip" Barnett, LG, LEG; Timothy D. Bailey, PE Andrew J. Caneday, LG, LEG	Se contrantinoro
Date:	September 14, 2018	Engineering Geologist
File:	0186-871-07	consed Geology
Subject:	Energize Eastside Bellevue and Richards Creek Substation: City of Bellevue Comment Response	Elson T. Barnett

#### INTRODUCTION

GeoEngineers, Inc. (GeoEngineers) has prepared this memorandum in response to a City of Bellevue (City) land use review comment related to the Critical Areas Report for the Richards Creeks Substation, dated July 11, 2017. The general location of the Richards Creek Substation is presented in Figure 1, Vicinity Map. Kelly Purnell of Puget Sound Energy (PSE) requested this memorandum during a phone conversation with Chip Barnett on August 16, 2018. This memorandum incorporates comments from Kerry Kriner of PSE received on September 6, 2018. The City provided the following land use review comment in a letter dated August 14, 2018:

"Geotechnical Considerations

Landslide Deposits

The Washington State Department of Natural Resources (DNR) has completed a final draft of a map of landslide deposits in the City of Bellevue. A copy of the May 2018 final draft is attached. The map indicates landslide deposits in the area of the proposed Richards Creek Substation. The geotechnical report and addenda for the Richards Creek Substation do not mention landslide deposits in this area. Please have the geotechnical engineer review the DNR map and provide comments on the map and on potential impacts of landslide deposits on the proposed Richards Creek Substation."

#### **COMMENT RESPONSE**

We reviewed the draft DNR May 2018 landslide map of Bellevue provided by the City, as well as logs of borings completed in the area mapped as a landslide deposit. We also reviewed aerial imagery and Light Detection and Ranging (LiDAR) hillshade maps of the project area and conducted a reconnaissance of the site in December 2014 and in February 2017. The approximate locations of the borings and the limits of the DNR-mapped landslide in the vicinity of the Richards Creek Substation are presented in Figures 2 and 3.

Borings performed in the vicinity of the Richards Creek Substation suggest that the area is underlain by fill and recessional outwash overlying dense to very dense glacial till. We observed no evidence of landslide deposits in our borings and we observed no indication of landslide activity in the steep slope area on the LiDAR hillshade

Memorandum to Kelly Purnell September 14, 2018 Page 2

(Figure 3) and during our site reconnaissance. Furthermore, it is our opinion that the area mapped as a landslide does not include geomorphic characteristics consistent with a landslide. Based on our review of the LiDAR data (Figure 3), the mapped area does not appear to be a landslide but rather cut and fill slopes associated with site development and roadways, including 139 Avenue SE that is east of the proposed PSE substation.

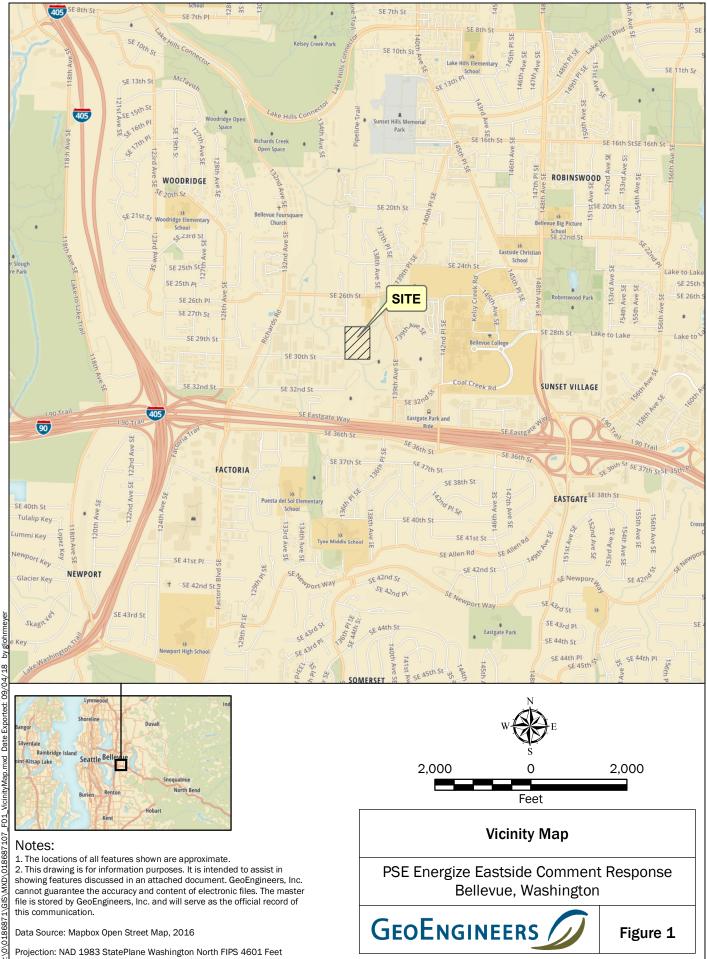
Based on our review of the available data, it is our opinion that the existing soils underlying the proposed Richards Creek Substation do not appear to be landslide deposits and the mapping performed by DNR is a general characterization of potential conditions within a broader area including the project site and does not represent the actual conditions at the project site.

We appreciate the opportunity to assist you on this project. Please contact us if you have any questions concerning this memorandum or our services.

Attachments: Figure 1, Vicinity Map Figure 2. Site Plan Aerial Figure 3. Site Plan Hillshade Attachment A. Boring Logs Attachment B. Previous Explorations

ETB:TDB:AJC:cam

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

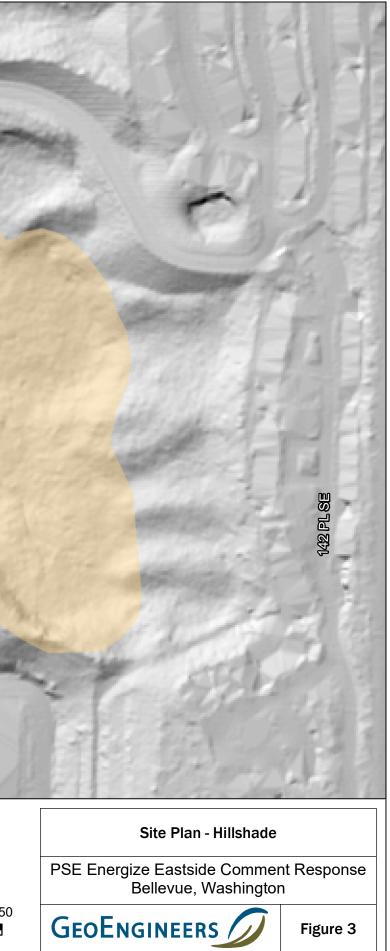


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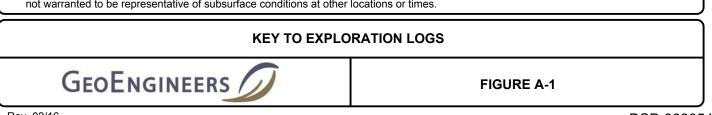
TP-7 HH-2 ⊕ HH-1 SE 30 ST G2-1 TP-1 SE 30 ST - ⊕ ⊕	$ \begin{array}{c} B-6 \\ + \\ + \\ + \\ + \\ + \\ + \\ + \\ + \\ + \\ $	THE REAL OF THE RE
E SU		
Notes: 1. Bre locations of all features shown are approximate. 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GBOEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication. J2, G2-1	<ul> <li>Boring completed with monitoring well by Geoengineers (2014)</li> <li>Boring completed by GeoEngineers (2014)</li> <li>Boring completed with monitoring well by Geoengineers (2015)</li> </ul>	W E
Data Source: Landslide boundary digitized from City of Bellevue "Landslide Deposits in the City of Bellevue DNR Final Draft - May 2018 Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet	<ul> <li>for the Energize Eastside Project</li> <li>Test pit completed by Converse Consultants (1984)</li> </ul>	5 150 0 15 Feet

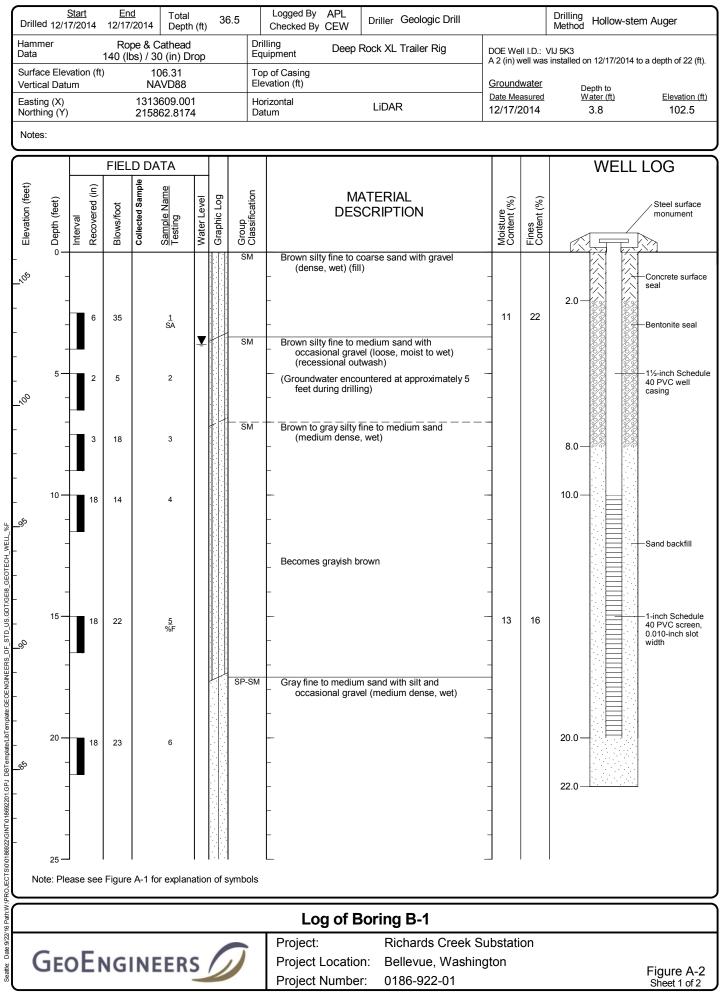


# ATTACHMENT A Boring Logs

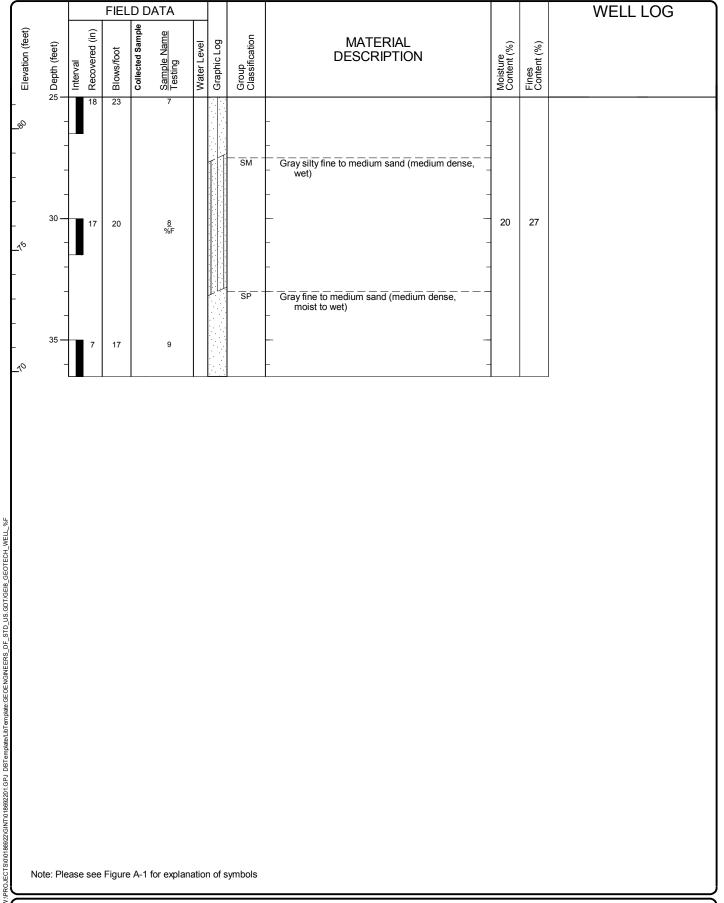
	SO	IL CLASSIF	ICATIO	N CH	ART	ADDIT		MATERIAL SYMBOLS	
Μ	AJOR DIVIS	IONS	SYMB GRAPH		TYPICAL DESCRIPTIONS		BOLS LETTER	TYPICAL DESCRIPTIONS	
	GRAVEL	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES		AC	Asphalt Concrete	
	AND GRAVELLY SOILS	(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES		сс	Cement Concrete	
COARSE GRAINED SOILS	MORE THAN 50% OF COARSE FRACTION	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES		CR	Crushed Rock/ Quarry Spalls	
	RETAINED ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES		TS	Topsoil/ Forest Duff/Sod	
MORE THAN 50%	SAND	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS		Ground	Iwater Contact	
RETAINED ON NO. 200 SIEVE	AND SANDY SOILS	(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND	▼	Measure	d groundwater level in on, well, or piezometer	
	MORE THAN 50% OF COARSE FRACTION	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES	- <u>-</u>	•	d free product in well or	
	PASSING NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES	<u> </u>	piezome		
				ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY			<u>c Log Contact</u>	
FINE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS			contact between soil strata	
GRAINED SOILS	ULATO		-	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY		strata	nate contact between soil	
MORE THAN 50% PASSING NO. 200 SIEVE				мн	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS		<u>Materia</u>	I Description Contact	
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		СН	INORGANIC CLAYS OF HIGH PLASTICITY		Contact	between geologic units	
			And	он	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY		Contact geologic	between soil of the same unit	
Н	GHLY ORGANIC S	SOILS		РТ	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS		l aborat	ory / Field Tests	
of blo dista and c A "P'	2.4 Sta She Pis Pis Dire Bul Con count is reco pws required nce noted). Irop.	mpler Symb -inch I.D. split ndard Penetra elby tube ton ect-Push k or grab ntinuous Corir orded for drive to advance sa See exploratio	barrel tion Test ( 19 n sampler Impler 12 n log for h	(SPT) rs as th inches namme	e number (or r weight	%F %G CC DS HAC DC MD CO PI PP SA XC S SS SS SS SS SS SS SS SS SS SS SS SS	Consolida Direct shi Hydrome Moisture Organic co Permeabi Plasticity Pocket po Parts per Sieve ana Triaxial c Unconfin Vane she Sheen ( No Visibil Slight Sh	pravel limits analysis ry compaction test ation test ear ter analysis content content and dry density content lity or hydraulic conductiv index enetrometer million alysis ompression ed compression ar <b>Classification</b> e Sheen een	
	•	s sampler pus	hed using	, the w	eight of	MS HS NT	Moderate Heavy Sh Not Teste	e Sheen neen	

ubsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.





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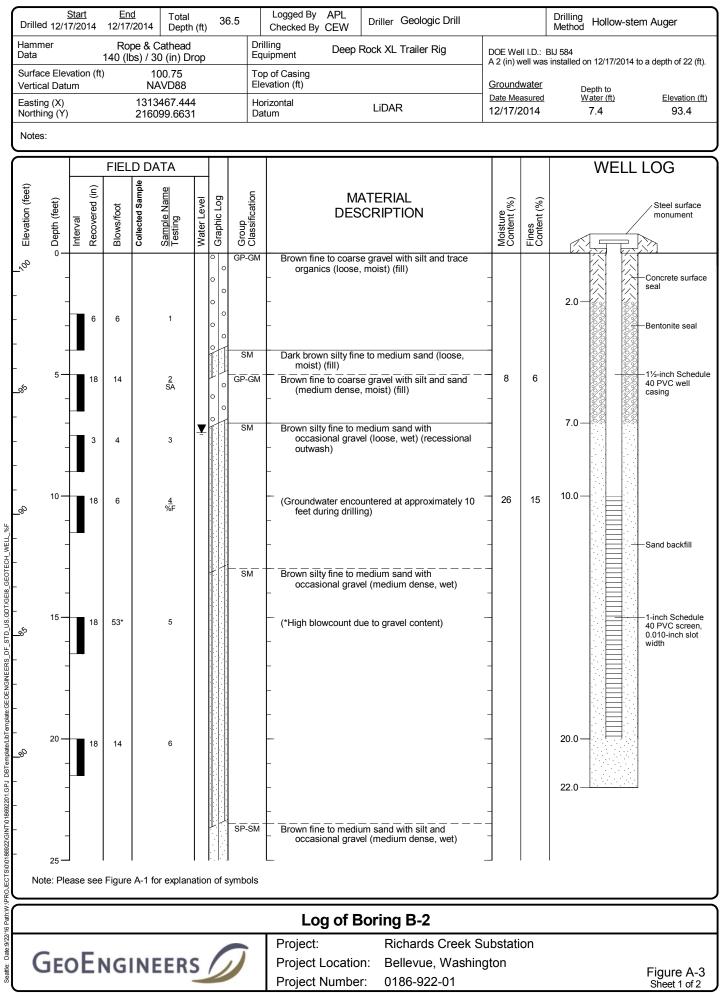
Log of Boring B-1 (continued)



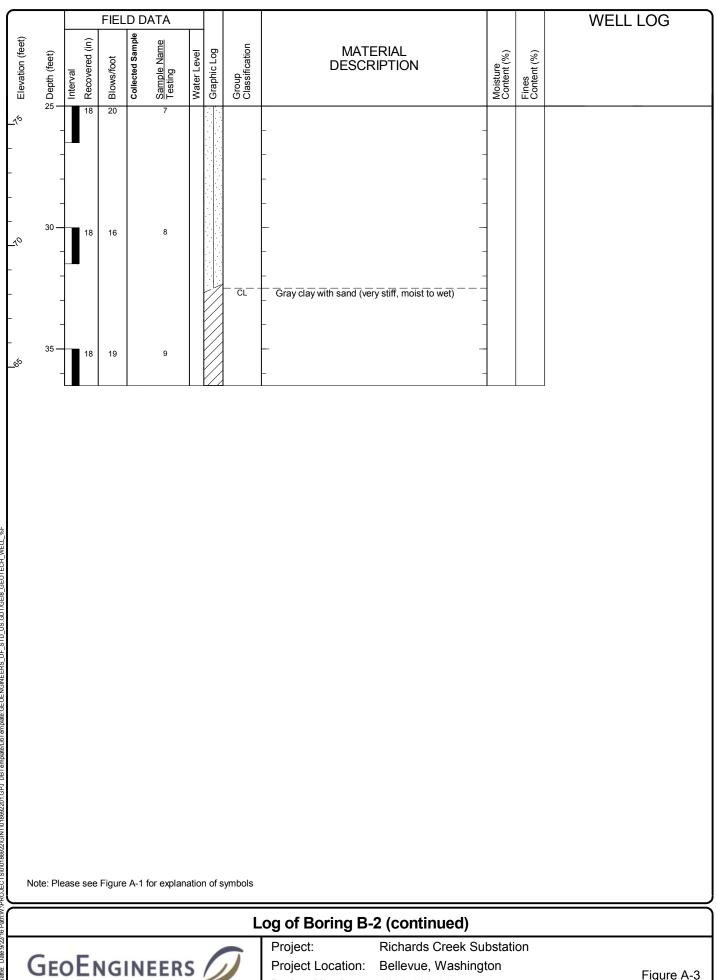
Date:9/22/

Project:Richards Creek SubstationProject Location:Bellevue, WashingtonProject Number:0186-922-01

Figure A-2 Sheet 2 of 2



DSD 003857



Project Number:

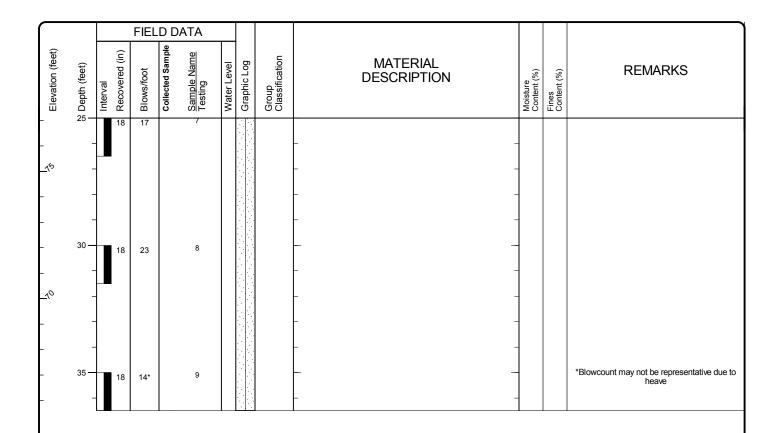
0186-922-01

3EOENGINEERS_DF_STD_US.GDT/GEI8_GEOTECH_WELL_%F G D 36922\GINT\018692201 ECTS/0/01 Date:9/22

Figure A-3 Sheet 2 of 2

DSD 003858

Drille	ed 12/1	<u>Start</u> 17/20 <i>1</i>	14	<u>En</u> 12/17		Total Depth	n (ft)	36	6.5	Logged By APL Checked By CEW	Driller Geologic Drill				Drilling Method Hollow-stem Auger
Surfa Vertic	ce Elev al Datu	/ation um	(ft)		10 NAV	2.1 /D88			F	ammer Rop ata 140 (Ib	e & Cathead s) / 30 (in) Drop		rilling quipn		Deep Rock XL Trailer Rig
North	ng (X) ing (Y)				131348 215949				S	/stem atum	LiDAR			dwate easure	Depth to <u>d Water (ft)</u> <u>Elevation (ft)</u>
Note	s:														See Remarks
				FIEL	D DAT		1								
Elevation (feet)	o Depth (feet) 	Interval	Kecovered (In)	Blows/foot	Collected Sample	Testing	Water Level	Graphic Log	Group Classification	DESC	ERIAL RIPTION		Moisture Content (%)	Fines Content (%)	REMARKS
-	- 0								CR SM	1 inch crushed rock su Gray silty fine to medi (loose to medium)	urfacing um sand with gravel dense, moist) (fill)				
	-	1	18	16	:	1 SA				-		_	10	35	
-	- 5—		6	6		2				-		_			Groundwater encountered at approximately 5 feet during drilling
- 	-		8	4		<u>3</u> %F				-		_	13	21	
-	- 10 —		18	7		4		<u> </u>	SM/PT	Gray silty fine to medi (loose, wet) (fill/we	um sand with peat lenses tland deposits)				
- %	-								SP-SM	Brown fine to medium	sand with silt and gravel	_			
-	- 15 —		18	28		5				(meaium aense, w -	et) (recessional outwash)	) _ _			
	-									-		_			
-	-									-		_			
- -	20 —		18	27		6						_			
-	-									-					
No	25 — ote: Ple	ase s	ee I	Figure	A-1 for e	explan	 atio	n of s	ymbols						
										Log of Bo	ring B-3				
(	GEO	эE	N	IG	INE	ER	S		J	Project: Project Location: Project Number:	Richards Creek Bellevue, Washi 0186-922-01			ion	Figure A-4 Sheet 1 of 2



Note: Please see Figure A-1 for explanation of symbols

#### Log of Boring B-3 (continued)



Project:Richards Creek SubstationProject Location:Bellevue, WashingtonProject Number:0186-922-01

Figure A-4 Sheet 2 of 2

Drille	d 12/	<u>Start</u> 17/20	14	<u>Er</u> 12/1		4 Tota Dept		16.5	5	Logged By APL Checked By CEW Driller Geologic Drill	_		Drilling Method Hollow-stem Auger		
Surface Elevation (ft)87.06HarVertical DatumNAVD88Date										ta Rope & Cathead 140 (lbs) / 30 (in) Drop	Drillin Equip	ig iment	Deep Rock XL Trailer Rig		
Eastir North	ing (Y)					3340.08 816.089			Sy Da	stem LiDAR		ndwate Measure	Depth to		
						ATA									
Elevation (feet)	o Depth (feet) I	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level		Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS		
\$ \$	- - 5 - - - - - - - - - - - - - - - - -		18 12 0 18	30 23 16 24 32		1 SA 2 3 %F				Brown fine to coarse gravel with silt, sand and trace organics (medium dense to dense, moist to wet) (fill) Brown silty fine to medium sand with gravel (medium dense, moist) (fill) No recovery Gray fine to coarse gravel with silt and sand (medium dense, wet) (recessional outwash) Brown fine to medium sand with silt and gravel (medium dense to dense, wet)	8 	9	Groundwater encountered at approximatel 7.5 feet during drilling		
Nc	ote: Ple	ase :	see	Figure	ə A-1	for explai	natio	n of syn	nbols	Log of Boring B-4					
(	<u>.</u>	<b>7</b> F				EER	c	1	7	Project: Richards Creek S Project Location: Bellevue, Washir		ation			
			<u> </u>	IJ	IN	CEK	2			Project Location. Believde, Washin Project Number: 0186-922-01	gion		Figure A- Sheet 1 of 1		

Drilled		<u>8tart</u> 9/2014		<u>nd</u> 19/2014	Total Depth		31	1.5		gged By APL ecked By CEW	Driller Geologic Drill				Drilling Method Hollow-stem Auger
									Drilling Equipr		Track Mounted Drill Rig				
Easting Northing	(X) g (Y)				3687.33 790.435				Systen Datum	n	LiDAR			dwate easure	Depth to
Notes:															See Remarks
				LD DA											
Elevation (feet)	○ Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Water Level	Graphic Log	Group Classification			ATERIAL SCRIPTION		Moisture Content (%)	Fines Content (%)	REMARKS
_22 ⁰ - -	-	5	16		1			SP	-	Brown gray fine to r trace organics (	nedium sand with silt and medium dense, moist)	- - -			
- -	5 —	7	16		2 %F			SP-S	M1	Brownish gray fine gravel (medium (recessional ou	to medium sand with silt a dense to dense, moist) wash)	- and	3	7	
-	-	13	31		3				-			-			
- , ¹⁰	10 <u>-</u> -	2	48*		4		00000	GP-G		Brown fine to coars (medium dense	e gravel with silt and sand , wet)	d			Groundwater encountered at approximately 10 feet during drilling *Blowcount not representative due to gravel content
- - - ·	- - 15 <del>-</del>	18	22		<u>5</u> %F			SP-S	₩ <del>-</del> -		um sand with silt and el (medium dense to dens	 se, 	13	11	
-	-								-			-			
- 2 _^%	20 —	18	25		6				-						
	- - 25 -	ase se	e Figu	re A-1 fo	or explan	hation	n of s	ymbol	s			-			
$\geq$											loring B F				
G	EC	ÞΕ	NG	IN	EER	S		J	F	Project: Project Locatio Project Numbe				tion	Figure A-6 Sheet 1 of 2

		FIEL	D DA	ΔTA						
Elevation (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Water Level Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
25 — నం	18	34		/						
  - 30	18	38		8		SM	Brown silty fine to medium sand (dense, wet) (glacial till)	-		

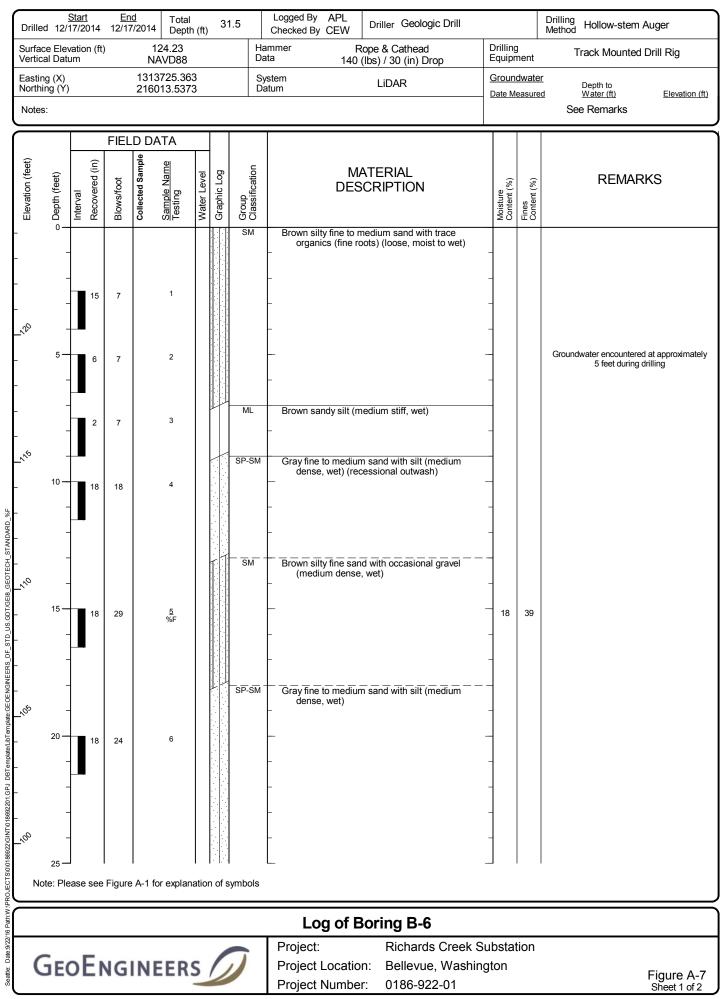
Note: Please see Figure A-1 for explanation of symbols

### Log of Boring B-5 (continued)



Project:Richards Creek SubstationProject Location:Bellevue, WashingtonProject Number:0186-922-01

Figure A-6 Sheet 2 of 2



$\square$			FIEL	DD.	ATA							
Elevation (feet)	Cepth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
-	25 —	18	23		7							
-	-									_		
-	-							SM	Gray silty fine to medium sand with gravel (very dense, moist to wet) (glacial till)			
_ళా	-											
F	30 —	16	98/10"		8							
Ē												

Note: Please see Figure A-1 for explanation of symbols

#### Log of Boring B-6 (continued)



Project:Richards Creek SubstationProject Location:Bellevue, WashingtonProject Number:0186-922-01

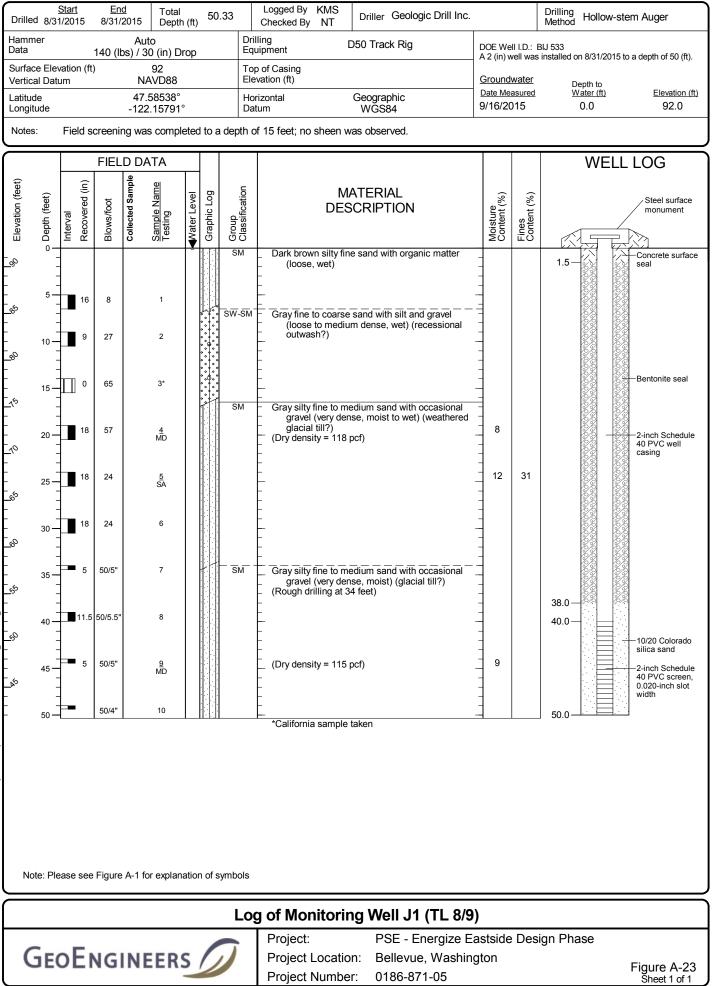
Figure A-7 Sheet 2 of 2

Drille		<u>Start</u> 9/20		<u>Er</u> 12/19	9/2014	Total Depth	n (ft)	21	.5	Logged By APL Checked By CEW Driller Geologic Drill				Drilling Method Hollow-stem Auger
Surfac Vertic	ce Elev al Dati	atior Im	n (ft)			09.8 VD88				ammerRope & Catheadata140 (lbs) / 30 (in) Drop	mmer Rope & Cathead Drill Equite ta 140 (lbs) / 30 (in) Drop			Track Mounted Drill Rig
Eastir Northi Notes	ng (Ý)					639.23 70.670				ystem LiDAR atum		Groun Date M		Depth to
_						<b>.</b>								1
(t)				FIEL	_D DA ខ្ល		Γ							
Elevation (feet)	o Depth (feet) I	Interval	Recovered (in)	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Water Level	Graphic Log	Group Classification			Moisture Content (%)	Fines Content (%)	REMARKS
	-		8	15		1			SM	Brown silty fine to medium sand with gravel a trace organics (medium dense, moist to wet) (fill)	and - -			
<u></u>	-								SM	Brown silty fine to medium sand with gravel				
-	5 —		13	29		2				(medium dense, wet) (recessional outwa	sh) — -			Groundwater encountered at approximatel 6 feet during drilling
0	-		18	16		3			SM	Brown to gray silty fine to medium sand (medium dense, wet)				
<u>~</u> %	10 <del>-</del> -		14	12		4 %F				-	-	24	24	
<u>_</u>	-								SP-SM	Gray fine to medium sand with silt (medium dense, wet)				
	15 — - -		18	16		5			SM	Gray silty fine sand (medium dense, wet)				
	-								SM	Gray silty fine to medium sand (medium den wet) (glacial till)	se, -			
<u>%</u>	20 —		8	26		6				-	-			
Nc	ote: Ple	ase	see	Figure	e A-1 fo	or explan	atior	n of s	ymbols					
										Log of Boring B-7				
0	ΞE(	ъE	ĒN	١G	INE	ER	S		J	Project: Richards Cree Project Location: Bellevue, Was Project Number: 0186-922-01			tion	Figure A- Sheet 1 of 1

Drilleo		<u>Start</u> 19/201	4 <i>~</i>	<u>En</u> 12/19		Total Depth		16.5		Logged By APL Checked By CEW	Driller Geologic Drill			Drilling Method Hollow-stem Auger
Surfac Vertica	e Elev al Datu	ation um	(ft)			00.77 AVD88			Ha Da	mmer Rope & Cathead Drillir a 140 (lbs) / 30 (in) Drop Equip				Track Mounted Drill Rig
Eastin Northin	ng (Y)				1313 2162	569.14 47.633	5 9		Sy Da	<i>i</i> stem atum	Lidar		ndwate Neasure	Depth to
Notes										1				See Remarks
					.D DA I ≘									
Elevation (feet)	Depth (feet)	Interval Recovered (in)		Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Water Level	Graphic Log	Classification		ATERIAL CRIPTION	Moisture Content (%)	Fines Content (%)	REMARKS
0	0	1	5	5		1			SM	Brown with oxidatio medium sand w - wet) (fill) - -	n staining silty fine to ith occasional gravel (loose,	-		
₉ 5	5 <del>-</del>	1	5	17		2			SM		nedium sand (medium æssional outwash)			Groundwater encountered at approximatel 5 feet during drilling
	-	1	2	30		3			SM	Brown with oxidatio medium sand w lenses (medium	n staining silty fine to ith occasional gravel and silt dense, wet)	 t -		
%	10 —	1	3	24		4			SM -	Brown to gray silty i (medium dense	ine to medium sand			
ళా	- 15 — -	1.	2	23		<u>5</u> %F				-		- - 15 -	16	
No	te: Ple	ase se	ee F	jqure	A-1 fo	or explan	ation	Of sum	hole					
	.c. rie	ase St	ee r	guie	, 1 10	n evhiali	auOl	UI SYIII	0012					
										_	oring B-8			
C	<b>BE</b>	эE	N	G	INE	ER	S	D		Project: Project Locatio Project Numbe			ition	Figure A-S Sheet 1 of 1

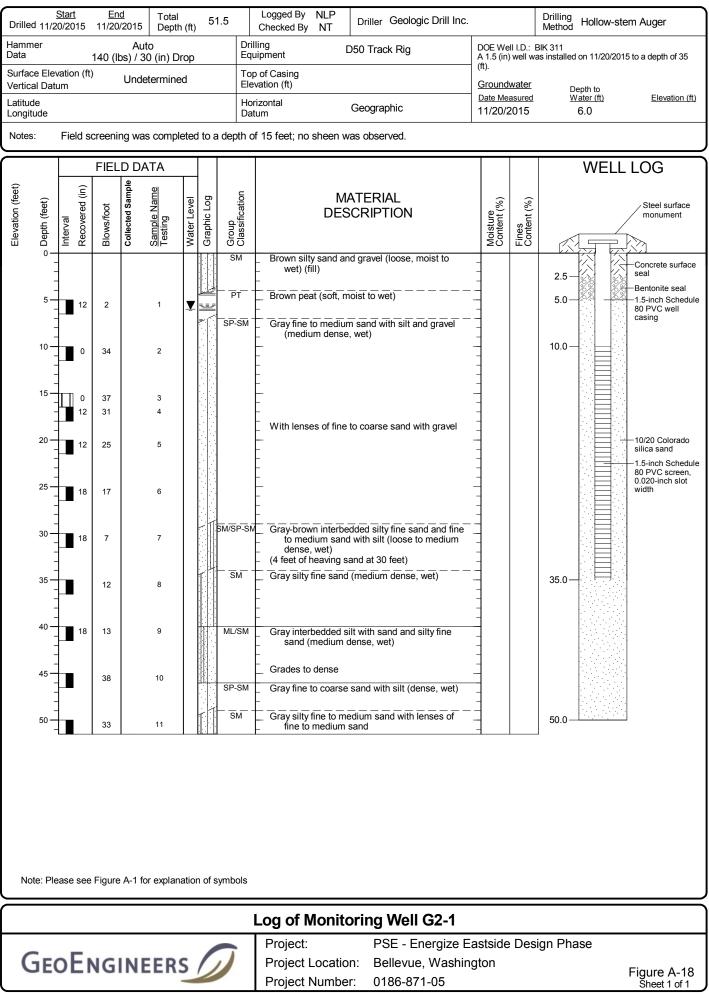
DSD 003867

# **ATTACHMENT B** Previous Explorations



DSD 003869

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DSD 003870

### LOG OF TEST PIT NO. 1

Location: See Drawing 1

Elevation: Approx. 77

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DAVO

Surface Conditions: Grass, brush, and blackberries

veptn in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1 -				(0.0 - 1.7) <b>ORGANIC SILT</b> (Fill); dark brown, trace fine sand, scattered pieces of wood; wet, soft	
2 - 3 -				<pre>(1.7 - 3.8) SAND &amp; GRAVEL (Fill); gray-brown, fine to coarse, trace silt; wet, medium dense</pre>	moderate caving of test pit walls
4 -				(3.8 - 5.0) <b>PEAT;</b> amorphous; wet, soft to medium stiff	
5 - 6 -				(5.0 - 6.2) SILT; brown, little fine to coarse sand, scattered gravel; wet, loose	
7 -				(6.2 - 7.6) SILT & SAND; gray-brown, fine to coarse trace gravel; wet, medium dense	, ,
8 -				Bottom of test pit at depth 7.6' Groundwater seepage observed below approx. 2.2' Completed 4/3/84	
_					
_					
-					
-					
)ER4	2 - <b>1</b> - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				
:				PROPOSED POLE YARD Bellevue, Washington for Puget Sound Power and Light Company	Project No 84–5107
2	<u> </u>		- ×-	e Consultants Geotechnical Engineering and Applied Sciences	Drawing No

# LOG OF TEST PIT NO. 2

Location: See Drawing 1

Elevation: Approx. 108

Surface Conditions: Scattered small trees, brush

<del>د ارد ارد.</del>				PROPOSED POLE YARD Bellevue, Washington for Puget Sound Power and Light Company	Project No 84-5107
-					
				Bottom of test pit at depth 10.4' Groundwater seepage observed below approx. 6.6' Completed 4/3/84	
) - 				(9.5 - 9.5) SILT, mottred gray and brown, trace to little fine sand; wet, dense (9.5 - 10.4) SAND; brown, fine to medium, trace silt, thin interbeds of brown silt; wet, medium dense	
7 - 3 -				wet below depth 6.6' (8.3 - 9.5) SILT; mottled gray and brown, trace to	
5 -		2		(4.4 - 8.3) SAND; gray, fine to coarse, little gravel, trace silt; slightly moist, dense	
3 - 4 -					
2 -		1		(0.4 - 4.4) SAND; gray-brown, fine to medium, trace coarse, trace gravel, trace silt, numerous roots to approx. depth 2'; slightly moist, medium dense	
1 -	0			(0.0 - 0.4) <b>DUFF</b>	
in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS

## LOG OF TEST PIT NO. 3

Location: See Drawing 1

2022

Elevation: Approx. 110

Surface Conditions: Scattered small trees, brush

Converse Consultants Geotechnical Engineering and Applied Sciences

Depth in feet	Moisture Content-%	Sample	Symbo 1	DESCRIPTION	REMARKS
٦				(0.0 - 0.4) DUFF	
1 - 2 3 -				(0.4 - 3.6) SAND; brown, fine to medium, trace coarse, trace gravel, trace silt (10%), occasional cobble, numerous roots to approx. 3' depth; slightly moist, medium dense	
4 - 5 -		1		(3.6 - 10.4) SAND; gray, fine to coarse, little gravel, trace silt; slightly moist, dense	
6 -					
7 -				very dense	
8 -					
9 -		. ~		•	
10 -					
		-		Bottom of test pit at depth 10.4' Groundwater seepage observed below approx. 8.6' Completed 4/3/84	
			I		
-			i		
_					
-					
				PROPOSED POLE YARD Bellevue, Washington for Puget Sound Power and Light Company	Project No 84-5107

Drawing No.

4

Location: See Drawing 1

Elevation: Approx. 107

#### Surface Conditions: Scattered small trees, brush

		·		for Puget Sound Power and Light Company	04-5107
edant He			27 <b>x</b> # 1997	PROPOSED POLE YARD Bellevue, Washington	Project No 84-5107
		]	1		
_					
-		ļ			
		ļ			
				Groundwater seepage observed below approx. 11.4' Completed 4/3/84	
2 -				Bottom of test pit at depth 11.8'	
1 -					
0 -				interbeds of clayey silt with little fine sand; wet, medium dense	
9 -				fine to medium sand, thin interbeds of fine to medium sand with trace to little silt, thin	
8 -				(8.1 - 11.8) SANDY SILT; mottled gray & brown,	
7 -					(1,1,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2
6 -	-				
5 -				moist, medium dense to dense	
4 –				(3.5 - 8.1) SAND; gray, fine to coarse, little gravel, trace silt, occasional cobble; slightly	
3 –				roots to approx. depth 2'; slightly moist, loose	
2 -				(0.4 - 3.5) SAND; brown, fine to medium, trace coarse, trace silt (10%), trace gravel, numerous	
1 -			, , ,	(0.0 - 0.4) DUFF	
	ΨS	0,			
in feet	Moisture Content-%	Samp1e	Symbo 1	DESCRIPTION	REMARKS

DSD 003874

Location: See Drawing 1

Elevation: Approx. 104

### Surface Conditions: Fill surface, scattered grass

in feet Moisture Content-% Sample Symbol	DESCRIPTION	REMARKS
1 - 2 - 3 - 4 - 5 - 6 - 7 -	<pre>(0.0 - 1.2) SILT &amp; SAND (Fill); dark brown, fine to coarse sand, scattered gravel, encountered aluminum debris; moist, loose (1.2 - 3.4) SILTY SAND (Fill); brown, fine to medium, trace coarse sand, scattered gravel, scattered pieces of concrete and asphalt rubble up to 1-1/2' across; slightly moist, loose (3.4 - 5.4) SAND; brown, fine to medium, trace coarse sand, trace gravel, trace to little silt; slightly moist, medium dense (5.4 - 10.6) SILTY SAND; gray-brown, fine, scattered gravel, thin interbeds of silt &amp; fine to medium sand; moist, medium dense</pre>	
8 - 9 - .0 - _	Bottom of test pit at depth 10.6' Groundwater seepage observed below approx. 7.1' Completed 4/3/84	

PROPOSED POLE YARD Bellevue, Washington for Puget Sound Power and Light Company

Converse Consultants Geotechnical Engineering and Applied Sciences 84-5107

6

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5

22

Location: See Drawing 1

à

hcatic

1 bave

Elevation: Approx. 107

Surface Conditions: Scattered clumps of grass

in fee	Moisture Content-%	Sample	Symbo1	DESCRIPTION	REMARKS
1 2				(0.0 - 1.7) SAND (Fill); gray, fine to coarse, trace to little gravel, little silt, scattered pieces of concrete & asphalt rubble, wood, and tree branches; moist, loose	· · · · · · · · · · · · · · · · · · ·
3 - 4 -				(1.7 - 4.6) <b>CLAYEY SILT</b> (Fill); dark gray, fine to medium sand, scattered tree branches, occasional piece of asphalt rubble; moist, very loose wet below approx. 3.1'	
5 - 6 - 7 -				(4.6 - 7.3) SAND (Fill); gray, fine to coarse, some clayey silt, numerous tree branches, and piece of asphalt; wet, very loose	S
				Bottom of test pit at depth 7.3' Test pit terminated due to soil running into pit as excavated below approx. 3' Groundwater seepage observed below approx. 3.1' Completed 4/3/84	
-					
				PROPOSED POLE YARD Bellevue, Washington	Project No 84-5107
3	Co	nv	ore	for Puget Sound Power and Light Company e Consultants Geotechnical Engineering and Applied Sciences	Drawing No

Location: See Drawing 1

Elevation: Approx. 108

Surface Conditions: Grass, fill mounds, scattered concrete rubble

Depth in feet	Moisture Content-%	Sample	Symbo 1	DESCRIPTION	REMARKS
	Mois Conte	Sam	Sym	<ul> <li>(0.0 - 1.9) SILTY SAND (Fill); gray-brown, fine to medium; slightly moist, loose</li> <li>(1.9 - 4.1) SILTY SAND (Fill); dark gray-brown, fine to medium, scattered tree branches, pieces of pipe &amp; asphalt rubble; moist, loose asphalt rubble layer from 2.4' to 3.1'</li> <li>(4.1 - 6.6) SILTY SAND (Fill); gray, fine to medium trace coarse, little gravel, occasional cobble; slightly moist, dense wet below approx. 4.4'</li> <li>(6.6 - 9.6) SAND (Fill); brown, fine to coarse, little silt, trace gravel, occasional cobble and boulder, scattered metal debris, wire, asphalt rubble, tree branches, and wood pieces; wet, medium dense</li> <li>Bottom of test pit at depth 9.6' Groundwater seepage observed below approx. 4.4'</li> </ul>	

PROPOSED POLE YARD Bellevue, Washington for Puget Sound Power and Light Company

Converse Consultants Geolechnical Engineering and Applied Sciences Project No 84-5107

Drawing No

S

#### HAND DUG HOLE HH-1

Depth (feet)	Description
0.0 - 2.8	PEAT; amorphous; wet
2.8 - 3.1	SAND & GRAVEL; gray-brown, fine to coarse, trace silt; wet
	Bottom of hole at depth 3.1' Water standing in hole at depth 1.2' Completed 4/3/84

HAND DUG HOLE HH-2

Depth (feet)	Description
0.0 - 1.3	PEAT; amorphous; wet
1.3 - 2.0	SAND & GRAVEL; gray-brown, fine to coarse, trace silt; wet
	Pottom of hole at dorth 2 0

Bottom of hole at depth 2.0' Completed 4/3/84

ł

Dirde .

UDVEU ...

Converse Consultants Geotechnical Engineering and Applied Sciences	Drawing No.
Bellevue, Washington for Puget Sound Power and Light Company	84-5107
PROPOSED POLE YARD	Project No.
LOG OF HAND DUG HOLES	terration and the second s



Printed on: 09/13/2018



Scale is approximate. Puget Sound Energy and POWER Engineers, Inc. are neither responsible nor liable for any inaccuracies herein contained.



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Printed on: 09/13/2018



Scale is approximate. Puget Sound Energy and POWER Engineers, Inc. are neither responsible nor liable for any inaccuracies herein contained.

Printed on: 09/13/2018



Photo simulations are for discussion purposes only and may change pending public, regulatory and utility review



### **KOPCENTRAL 18** SEGMENT 2

Address	4411 137th Ave SE, Bellevue
Date	5/7/2014
Time	10:53 AM
Viewing Direction	on Northwest
City's Alternativ	e Pole Heights ~65 feet

Conceptual Project in CUP Pole Heights ~80 feet







Photo simulations are for discussion purposes only and may change pending public, regulatory and utility review

9/4/2018



# Conceptual Project in CUP

Photo simulations are for discussion purposes only and may change pending public, regulatory and utility review

8/4/2017

#### Address 4411 Somerset Dr SE, Bellevue

Date	7/24/2017
Time	9:26 AM
Viewing Direction	South
City's Alternative	~65 feet
Conceptual Project in CUP	~75 feet

energizeeastside

## KOP CENTRAL 39 SEGMENT 2



September 2018

### City of Bellevue



Post Office Box 90012 • Bellevue, Washington • 98009 9012

August 14, 2018

Brad Strauch P.O Box 97034, PSE 9N Bellevue, WA 98009 Bradley.Strauch@pse.com

Re: Conditional Use (File# 17-120556-LB) Critical Areas Land Use Permit (File #17-120557-LO). South Bellevue Segment Energize Eastside

Dear Mr. Strauch:

City Staff have reviewed the plans you have submitted and request the following additional information to complete our review:

#### LAND USE REVIEW COMMENTS

Reviewer: Heidi M. Bedwell, 425-452-4862, hbedwell@bellevuewa.gov

**Map Book:** The submitted site plan index T-Line plans should be reordered so that each plan sheet connects to the next in sequence. As formatted it is difficult to track the proposal on contiguous properties.

Substation Site Plan: Plan should show all critical areas and buffers before improvements. For example on this plan sheet Wetland B is not shown and the wetland and stream buffers are shown as modified. These sheets should show the required buffers overlaid with the proposed development. Include a line showing area of improvements including the Substation footprint, stormwater facility and road. The Critical Areas Report should capture the areas of impact from these improvements on the required buffers.

**Load Forecast:** Your letter to City Manager Miyake of June 8, 2018 indicates that the peak customer demand in 2017 exceeded your load forecast for summer of 2018. This information is relevant to the Energize Eastside project, which is currently in permit review with the City of Bellevue and other Cities. This information also appears to answer questions regarding PSE's planning assumptions that have been repeated throughout the EIS and permit process.

However, it would be helpful for our response to public comments concerning PSE's assumptions and for our permit review to have documentation regarding the 2017 peak customer demand period. Specially, could you answer the following questions:

- 1. What was the actual peak Eastside customer demand for the summer of 2017? Please indicate what the [summer] peak load period was and express the peak in terms of hourly demand. Please clarify what is considered the Eastside in this context.
- 2. Does PSE have any data on what drove higher electrical consumption in 2017, and/or whether the rate of growth assumed in the needs analysis for Energize Eastside is likely to remain the same or to change, either higher or lower?

- 3. During the 2017 peak load period, what was the flow, if any, across the Northern Intertie?
- 4. During the 2017 peak load period, what was the output of PSE's power plants in the northern part of the Puget Sound Region?
- 5. Was there a correspondingly higher rate of growth in the winter peak customer demand in winter 2017-2018?

#### Alternative Pole Height-Somerset Neighborhood:

The EIS identified potential mitigation for visual impacts in the vicinity of the Somerset neighborhood. Please address the feasibility of lowering pole heights in this area with the inclusion of additional poles. Describe minimum pole height feasible taking into account no increase in EMF levels and no change to the risk to the pipeline. Describe how vegetation impacts would be different assuming more poles and lower pole height. Address pole diameter size when more shorter poles are designed and address whether C-17 pole types could be used or another pole type. Depict potential pole placement on a map and describe in a narrative the number of parcels that would be impacted by the lower poles.

#### Tree Removal and Vegetation Management:

Provide a narrative that clearly describes the number of trees being proposed for removal in the following areas:

- □ In Public ROW
- □ On City Owned Property (Parks etc)
- On Private Property
- □ Total number of trees in Critical Areas, Buffers and Structure Setbacks. Of these totals, provide a breakdown per Public ROW, City Owned Property, Private Property.

Provide a separate plan showing the proposed tree removal in Public ROW and City Owned Property.

The City is aware that PSE has continued to have discussion with property owners and other community organizations (HOA) regarding proposed tree removal. Please provide updated information about proposed tree and vegetation replacement strategies.

### Relocated and reconfigured lines specific to 115 kV at Richards Creek Substation and South Segment proposal:

As part of the FEIS PSE provided information about 115 kV lines in the vicinity and south of Richards Creek Substation. Please provide this same information as part of the CUP and LO application. Confirm plan sheets reflect all re-located and reconfigured transmission lines. Revise Critical Areas analysis to reflect the total scope of proposed work associated with the Energize Eastside South Segment proposal.

**Public Comment:** Comments received to date have been provided to you as an electronic attachment. Provide a response to all comments submitted to date. Comments may be grouped by theme where appropriate however where additional information has been requested please provide appropriate references or documents necessary to respond to comment directly.

#### **Critical Areas:**

LUC Section 20.25H Purpose states the following, "The Critical Areas Overlay District is a mechanism by which the City recognizes the existence of natural conditions which affect the use and development of property. Through this part, the City designates and classifies ecologically sensitive and hazard areas and imposes regulations on the use and development of

affected property in order to protect the functions and values of these areas and the public health, safety and welfare, and to allow the reasonable use of private property."

The proposed use, an Electrical Utility Facility, is an allowed use within a critical area per LUC 20.25H.055. Allowed uses must address General Performance Standards as required by LUC 20.25H.055.

Although siting objectives are relevant to the selection process for choosing a substation location, additional information regarding the impacts to critical areas at each of the substation sites is needed. Discuss how impacts to critical areas compares between locating at the Richard Creek site and the two alternate substation sites. In the case of the alternate site, impacts can include areas impacted outside of the substation footprints because of necessary connections to substation improvements.

#### **Geologic Hazard Areas**

Geologic Hazard Areas are not only regulated for issues of slope stability and safety, but these areas also frequently include vegetation that provides additional critical areas functions. The Critical Areas Report should quantify impacts to vegetation and their critical area functions within a Geologic Hazard Critical Area and associated buffers or structures setbacks. Appropriate mitigation is necessary to address impacts to these functions (ie habitat, hydrology, water quality etc). Provide a discussion of the existing functions these areas provide and describe proposed mitigation to replace these impacted functions.

Page 24 of the South Bellevue Critical Areas Report identifies mapped areas of 40% slope but goes on to state "many of these areas are developed and include rockeries, landscaped residential or commercial development slopes and cut slopes associated with paved roadways." The critical areas regulations do take into consideration the presence of rockeries or other retaining features, and areas containing these features are not considered steep slopes. However, the code does not distinguish between natural and un-natural (i.e., man made slopes). Therefore, even if a slope qualifies as a steep slope but contains residential or commercial landscaping, these areas are still regulated as a steep slope and should not be removed from impact analysis.

Please revise areas excluded from analysis consistent with the critical area regulations described above. If areas continue to be excluded because of the presence of retaining features, please explain and identify which map pages these areas can be found so we can evaluate concurrence with these regulations.

See below for additional request regarding Landslide Deposits from the Clearing and Grading reviewer.

#### Functional Buffer

The code recognizes degraded conditions and does not use the term "Functioning Buffer." It is recognized that many buffers may be degraded (i.e., have little to no vegetation or contain structures). The Critical Areas Report (see page 27) appropriately recognizes the lack of function provided by existing impervious surfaces. It is unclear however what is meant by the term development as used in this report. As noted above in comments associated with geologic hazard areas, commercial and residential landscaping may provide some critical area function and should not be disregarded in the report. When these areas are within the prescribed buffers their function should be considered and mitigation should take into account impacts to these functions.

**Stream Realignment Mitigation** 

The project proposes to mitigate for wetland, and stream and wetland buffer impacts through both wetland enhancement and stream restoration. The applicable provision is as follows:

Wetlands Enhancement as Mitigation. Impacts to wetland critical area functions may be mitigated by enhancement of existing significantly degraded wetlands. Applicants proposing to enhance wetlands must produce a critical areas report meeting the requirements of LUC 20.25H.110 and 20.25H.230 that identifies how enhancement will increase the functions of the degraded wetland and how this increase will adequately mitigate for the loss of wetland area and function at the impact site. An enhancement proposal must also show whether existing wetland functions will be reduced by the enhancement actions.

The Critical Areas Report does not address whether existing wetland functions will be reduced by the enhancement actions. As shown on figure 2 of the report, wetlands are located within the proposed stream realignment area. Address how the functions in these areas will be maintained as part of the proposed mitigation. Prepare a written response to all applicable standards in LUC 20.25H.105 and 110.

Proposed plans show disturbance and mitigation offsite and outside of PSE property and easement. Confirm PSE has an easement right or is in conversation with adjacent property owner to establish the proposed mitigation.

#### CLEARING AND GRADING REVIEW CONDITIONS OF APPROVAL

Reviewer: Tom McFarlane, 425-425-6825, tmcfarlane@bellevuewa.gov

#### **Geotechnical Considerations**

#### Landslide Deposits

The Washington State Department of Natural Resources (DNR) has completed a final draft of a map of landslide deposits in the City of Bellevue. A copy of the May 2018 final draft is attached. The map indicates landslide deposits in the area of the proposed Richards Creek Substation. The geotechnical report and addenda for the Richards Creek Substation do not mention landslide deposits in this area. Please have the geotechnical engineer review the DNR map and provide comments on the map and on potential impacts of landslide deposits on the proposed Richards Creek Substation.

#### TRANSPORTATION REVIEW COMMENTS

Reviewer: Molly Johnson, 425-452-6175, majohnson@bellevuewa.gov

1. It is understood the Richards Creek Substation will not have full-time staff or employees working on-site and thus will not have trip generating characteristics other than for maintenance purposes. Please provide a letter or memo that documents that the only trips going to the site are for maintenance purposes and the approximate frequency of the trips (weekly/monthly, etc.). If this understanding is not correct and there are full-time onsite employees, please provide a level one traffic report. For more information on what a level one report entails, please follow the link:

https://development.bellevuewa.gov/cms/one.aspx?portalId=5588383&pageId=5653616

2. For review of the clearing and grading permit, construction details will need to be added to the plans for the new driveway approach, driveway pavement section, and turnaround facility, for example. The civil engineering plans for review on the clearing and grading permit will also need to include the attached construction notes.

#### **Right of Way Use Permit**

• A Right-of-Way Use permit is required for work in the right-of-way and is generally required for hauling on City streets. Check with the Transportation Department at (425) 452-4189 or rightofwayuse@bellevuewa.gov

<u>Please submit the revisions requested above within 60 days from the date of this letter or by</u> <u>Monday October 15, 2018</u>. If no revision is received within 60 days the application may be canceled without further notice. You can reach me directly at (425)452-4862 or at <u>hbedwell@bellevuewa.gov</u>.

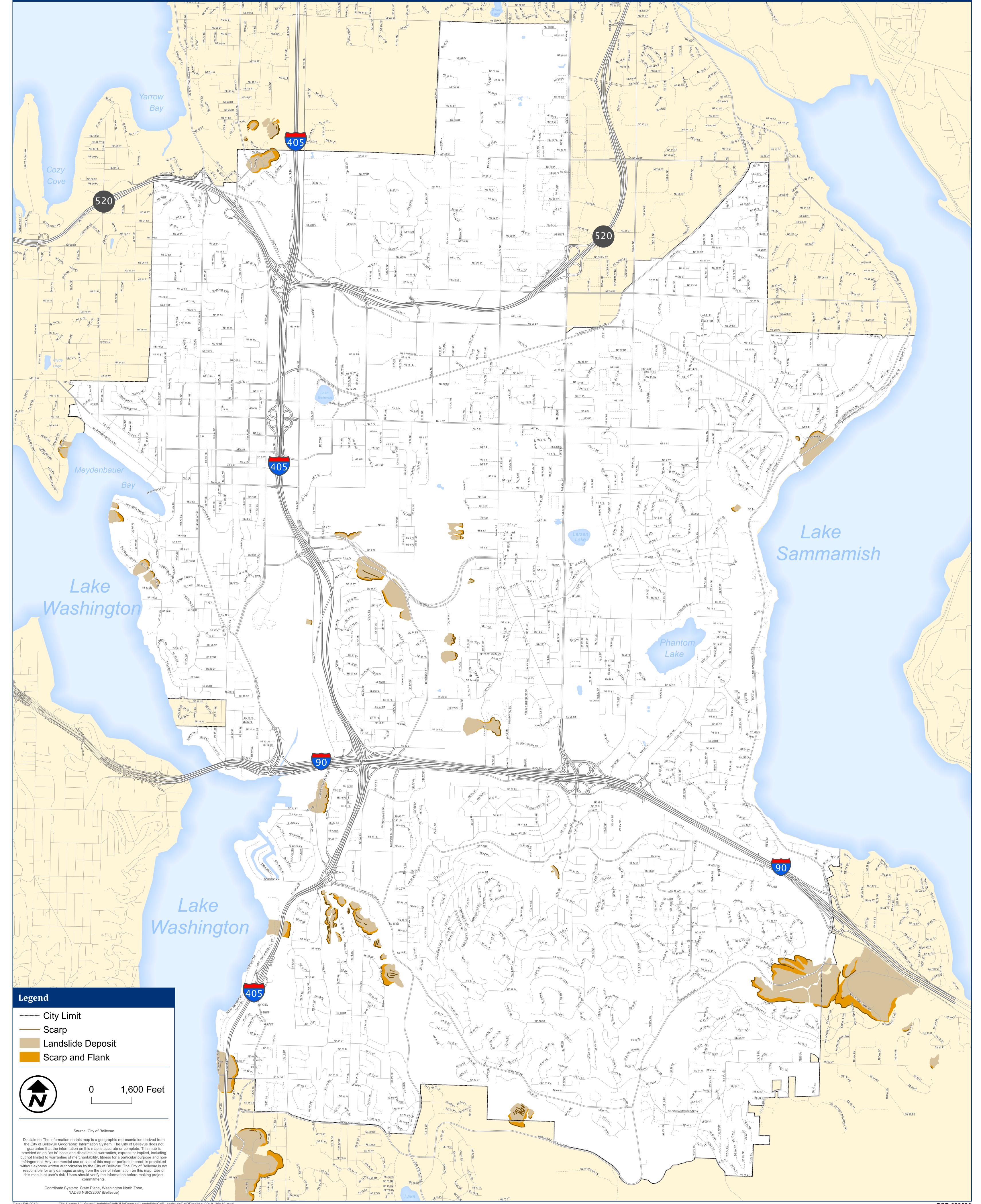
Sincerely,

Sent via email

Heidi M. Bedwell Environmental Planning Manager City of Bellevue (425) 452-4862 hbedwell@bellevuewa.gov

cc: File

# Landslide Deposits in the City of Bellevue DNR Final Draft - May 2018



#### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Tuesday, February 27, 2018 3:56 PM
To:	Bedwell, Heidi
Cc:	Strom, Diann
Subject:	Energy Saving Trees Program Information
Attachments:	EnergySavingTrees_software screenshots.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

Attached is the basic information for the Energy Saving Trees program.

Let me know if you have any questions.

Brad



A strategic tree planting energy-efficiency program

Kristen Bousquet, Business Development Manager, kbousquet@arborday.org



### What is Energy-Saving Trees?



- Programs began in 2012
- 55 partners in 37 U.S. states
- Leads to maximized benefits (ROI of 300% or more)

A tree distribution using Energy-Saving Trees is designed to engage and educate homeowners on the benefits of strategic tree planting.









### **Reasons Utility Companies Participate**

- Customer connections
- Tree Line USA fulfillment
- Tree replacement (removals, EAB)
- Homeowner education (RTRP)
- Energy efficiency program (Energy production < pop. Growth)
- Lower demand during peak periods
- Reduce environmental footprint
- Offset carbon pollutions
- Positive community relations
- Assist with UTC goals
- Media attention
- Urban heat island effect











## Projected Program Impact



*projected 20 year cumulative values

Established February 2011







### Nationwide Partnerships

## **PARTNERS MAP**

#### WEST

- · Avista Utilities, Spokane, WA
- Black Hills Energy, CO, SD, NE, WY, KS, AR
- City of Redding, CA
- Colorado Springs Utilities, CO
- Idaho Power Company, Boise, ID
- Pacific Gas & Electric, CA
- Sacramento Municipal Utility District, CA

SOUTHWEST

Galveston Island Tree Conservancy, TX

Oncor Electric Delivery, Dallas, TX

· Providence Group Realty, Plano, TX

Pedernales Electric Cooperative,

Centerpoint Energy, Houston, TX

Edmond Electric, Edmond, OK

Just Energy, Dallas, TX

San Antonio, TX

Verizon, TX

- Sacramento Tree Foundation, CA
- · San Diego Gas & Electric, CA
- Xcel Energy, Aurora, CO

#### ComEd, Chicago, IL

- · East Central Energy, Braham, MN
- Empire District Electric Co., Joplin, MO

MIDWEST

- Nebraska City Utilities, NE
- Ornaha Public Power District, NE
- The Davey Tree Expert Company, Chicago II
  - Chicago, IL



- Atlantic City Electric, NJ
- Baltimore Gas & Electric, MD
- Delmarva Power, Wilmington, DE
- Greenlight Energy Inc, Astoria, NY
- New York ReLeaf, NY
- Peco Energy, Philladelphia, PA
- Pepco, Washington DC
- PSEG Long Island, NY
- RI Dept of Environmental Mgmt, RI
- State of Vermont, VT
- Unitil, Hampton, NH
- Upper Makefield Township, PA







#### Program Partners: In 33 states 38 energy companies City Government State Government Corporate Nonprofit

City of Orlando, FL

City of Sanford, FL

City of Sarasota, FL

TreesGreenville, SC

Entergy Corp., LA, AL, AR

Duke Energy, FL

#### SOUTHEAST

- Florida Forest Service, FL
- Florida Keys Electric Cooperative, FL
- Florida Power and Light, Fort Lauderdale, FL
- Georgia Power, Atlanta, GA
- · Snapping Shoals EMC, Covington, GA
- Lakeland Electric, FL

- Ocala Utility Services, FL
- Rappahannock Electric Coop,
- Fredricksburg, VA
- Utilities Commission, New Smyrna Beach, RL
- Wiregrass Electric Cooperative, Hartford, AL
- Verizon, FL













### Spread the Word

Promote the program to customers through statement inserts or other channels.

### Easy, Powerful Online Tool

Customers go online, map their home, determine best planting location, and order trees.

### Trees Delivered or Picked Up

Free trees are delivered directly to your customers.

### Planted Trees Create Shade to Save Energy

Customer plants and maintains trees. You improve energy efficiency and reduce peak demand load.

Energy-Saving Trees

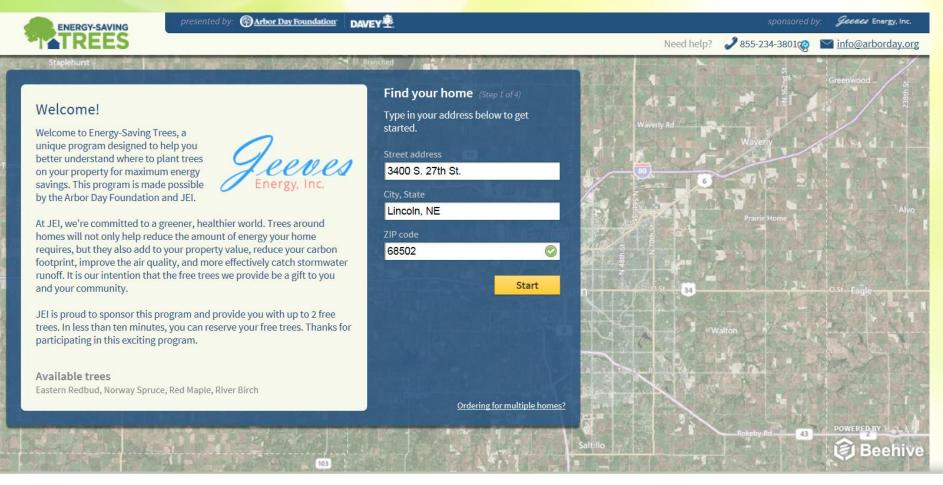
**Dashboard** 







## Customized Landing, Welcome Page Step 1: Provide Address







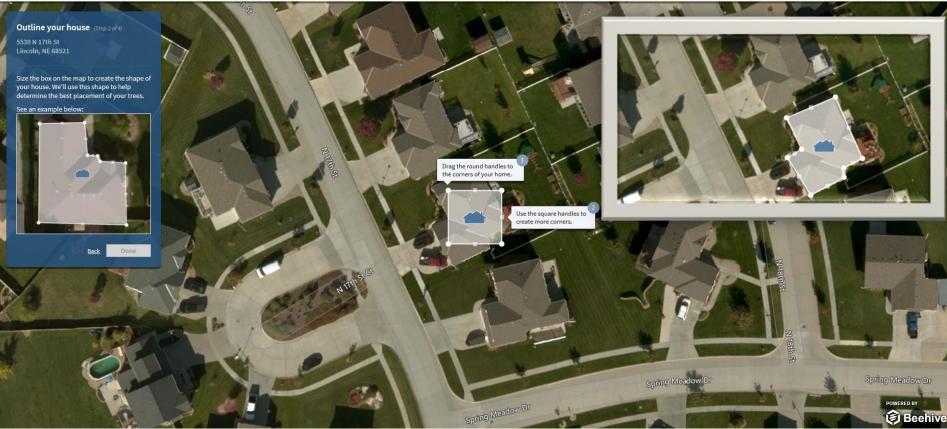


### **Step 2: Outline Your Home**



#### presented by: @Arbor Day Foundation DAVEY

Need help? 2855-234-3801 Minfo@arborday.org



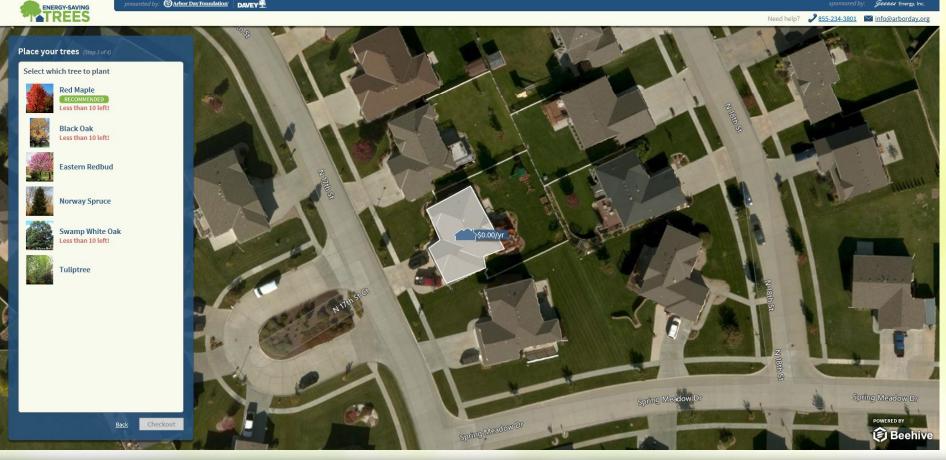






### **Step 3: Tree Selection**

Geenes Energy, Inc.









### **Step 4: Tree Placement**



Place your trees (Step 3 of 4) < Choose a different tree

Placement guide For higher energy savings, place your tree on the West or Northwest side.

**Utility poles** Trees within 20 feet of a utility line should be no taller than 25 feet,

whereas trees within 50 feet should be no

taller than 40 feet.

Drag to the map

25ft

Nov.

#### presented by: @Arbor Day Foundation DAVEY

Jecaco Energy, Inc

Need help? 2855-234-3801 Minfo@arborday.org

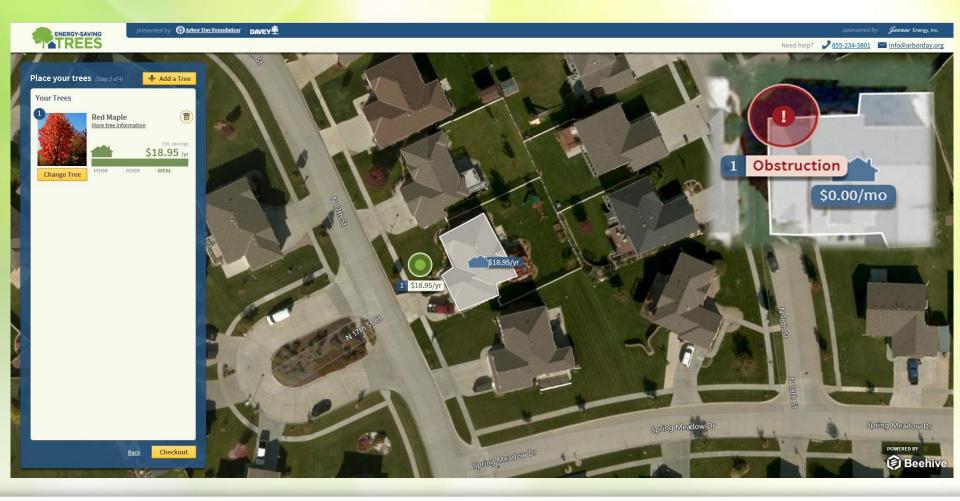








### a.) Select Tree Location









## b.) Tree & Benefits Visualization



Electric savings \$18.95 / yr

200 lbs / yr

1lb/yr

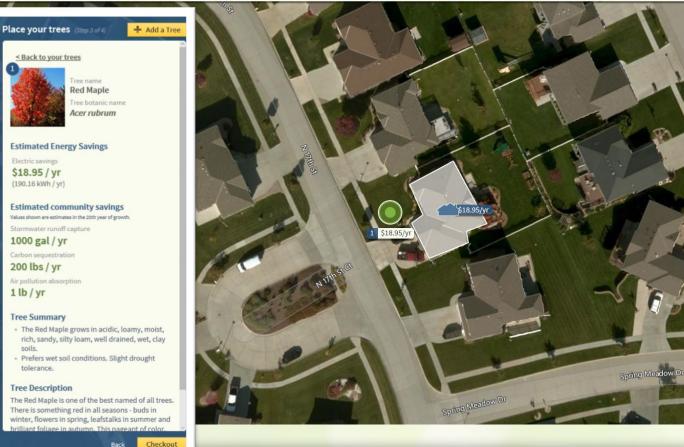
soils.

tolerance.

#### presented by: @Arbor Day Foundation DAVEY

Georges Energy, Inc.

Need help? 2855-234-3801 Minfo@arborday.org









Spring Meadow Dr

POWERED BY

DSD 003903

Beehive

## Step 5: Checkout Process

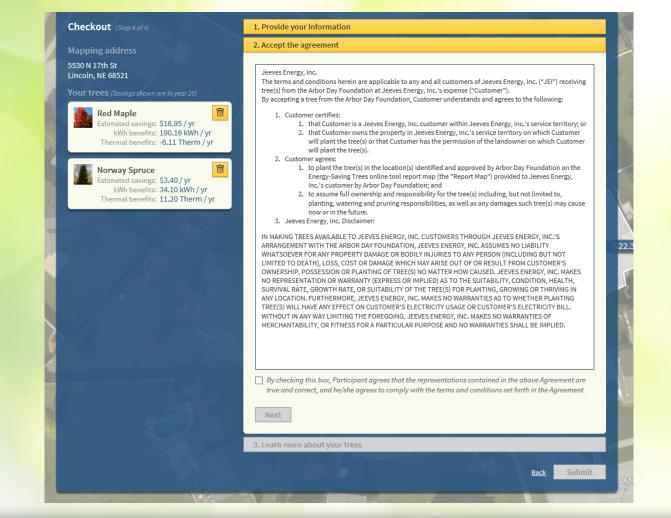
lapping address	Mailing address	Your information	
530 N 17th St	This is the same as my mapping address	First name	
ncoln, NE 68521	Street address	Kristen	$\bigcirc$
Dur trees (Savings shown are in year 20)	5530 N 17th St	Last name	
Red Maple	City	Bousquet	$\odot$
Estimated savings: \$18.95 / yr	Lincoln	E-mail address	
kWh benefits: 190.16 kWh / yr Thermal benefits: -6.11 Therm / yr	State	kbousquet@arborday.org	$\odot$
Thermal benefits0.11 Therm7 yr	Nebraska 🗸	Daytime phone number	
Norway Spruce	ZIP code	402-473-2023	$\bigcirc$
Estimated savings: \$3.40 / yr	68521	Account number	
kWh benefits: 34.10 kWh / yr Thermal benefits: 11.20 Therm / yr		12345	
	Next		
	Next		
	Next 2. Accept the agreement 3. Learn more about your trees		_







### Step 6: Terms & Conditions









## a.) Right Tree, Right Place agreement

ENERGY-SAVING presented b	》: @Arbor Day Foundation DAVEY ^美	sponsored by: <i>Jeenes</i> Energy, Inc.
TATREES		help? 🥜 855-234-3801 🔛 info@arborday.org
	Utility line agreement	
Checkout (Step 4 of 4)	The trees you have selected will grow in height and width. Planting your trees under and near utility lines can be dangerous and may affect your tree's eventual survival. Please review the "Right Tree, Right Place"	
Mapping address	graphic below to verify that your new trees will be planted in a proper location.	
5530 N 17th St Lincoln, NE 68521	By clicking "I agree" below, you agree to not plant your new trees in areas that will eventually interfere with existing utility lines. If you need to re-visit the "Place your trees" step, click the "Move tree" link	
Your trees (Savings shown are in year 20)	below.	
Red Maple Estimated savings: \$18.95/yr	Tall trees, such as: maple, oak, spruce,     Plant the right tree in the right place	
kWh benefits: 190.16 kWh / yr Thermal benefits: -6.11 Therm / yr	and pine Plant taller trees away from overhead utility lines	A RO H
	40 feet height or less	and the
Norway Spruce Estimated savings: \$3.37 / yr	T25 feet height	
kWh benefits: 33.79 kWh / yr Thermal benefits: 11.30 Therm / yr	or less	
	Arbor Day Foundation arborday.org Medium trees, such as: Small trees, such as: washington hawthorn and goldenraintree and crabapple	
	a boxuaroz and golden and cooppe	
	Move tree lagree	POWERED BY
		Beehive
and the second se		







## Final Step: Order Confirmation Screen

#### Thank you for your order!

Your order has been received and is being processed. A confirmation e-mail will be sent to kbousquet@arborday.org shortly. For your records, your order number is **110387**.

Excited about your savings? Spread the word!







Print a confirmation (We emailed you one, too)

#### Did you know...

Your trees will do more than help conserve energy. There are many environmental benefits too:

#### Stormwater runoff capture

Your impact

#### 1000 gallons / yr.

Stormwater often drains into streets and onto sidewalks, washing away debris, oil, salts, and other pollutants. These contaminates can affect drinking water, aquatic life, and ecosystem health. Your new trees will help absorb and capture this stormwater, and ultimately reducing runoff effects.

#### CO₂ emissions capture

Your impact

300 lbs / yr.

Carbon dioxide (CO2) emissions continue to be problematic for earth's atmosphere. Trees sequester CO2 in their roots, trunks, stems, and leaves while they grow.

Values shown are estimates in the 20th year of growth.

#### Air pollution absorption

Your impact

1 lb / yr.

Your new trees will help absorb pollutants such as ozone, nitrogen dioxide, and sulfur dioxide. It will also help intercept particulate matter such as dust, ash, and smoke.

Return to the homepage







### Email Confirmation (sent to participant)

#### Thank you!

Your order has been received and has been sent to your utility company for approval. You will receive another e-mail when your order has been approved for shipping.

For your records, your order number is 110898

For your convenience, a summary of your order is below:

Mapping address 5530 N 17th St Lincoln, NE 68521 Mailing address 5530 N 17th St Lincoln,NE 68521

Your trees (Savings shown are in year 20)



Estimated savings: \$3.40 / yr kWh benefits: 34.100 kWh / yr Thermal benefits: 11.200 Therm / yr



Estimated savings: \$18.95 / yr kWh benefits: 190.160 kWh / yr Thermal benefits: -6.110 Therm / yr

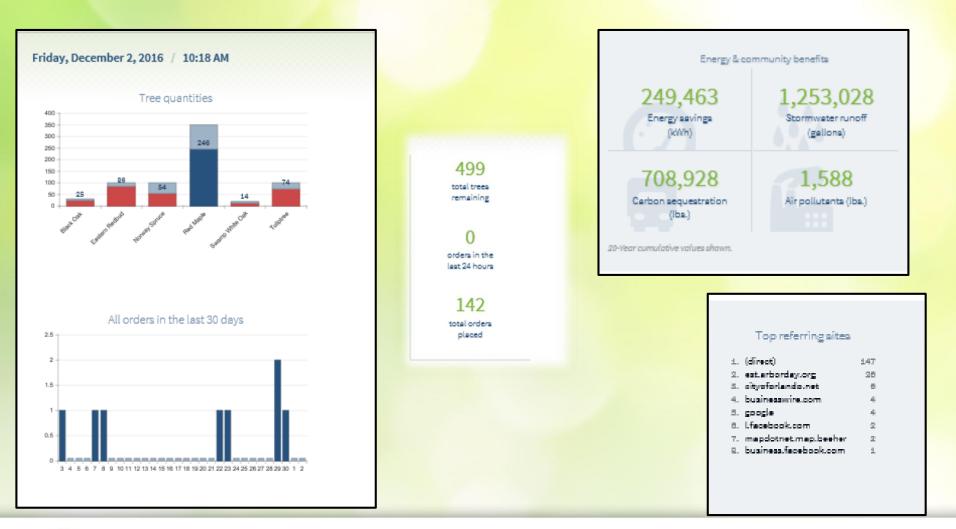








## Partner Dashboard









## **Dashboard-Orders Review**

0			

1/2	016 12	2/31/2016	All ~	Search								
							Order number					
							Find					
	Order#	Customer name	Address	Trees	Account #	Audits	Actions					
iew	104015	Dan Lambe	2332 Scotch Pine Trail, Lincoln, NE 68512	2	12345	0	Approve Deny					
iew	104036	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny					
iew	104100	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny					
iew	104130	Zachary Kane	4738 Birch Hollow Dr, Lincoln, NE 68516	2	12345	0	Approve Deny		/			
iew	104151	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny			Order status Unprocessed	Thi	s order is awaiting appr
iew	104222	Zach Kane	4738 Birch Hollow Dr, Lincoln, NE 68516	1	12345	0	Approve Deny		/	Campaign		Deny Approve
iew	104273	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny			Spring -ADF Der	no	
iew	104297	КЪ	5530 N 17th St, Lincoln, NE 68521	1	12345	0	Approve Deny					
iew	104365	LM	2533 W Washington St, Lincoln, NE 68522	2	12345	0	Approve Deny	Order Deta	ails			
iew	104379	test test	4715 High St, Lincoln, NE 68506	1	12345	0	Approve Deny		A STATE OF	100	Mapping address 2332 Scotch Pine Trail	Mailing address 2332 Scotch Pine 1
iew	104644	Luke Miller	2533 W Washington St, Lincoln, NE 68522	1	12345	0	Approve Deny			Ser 1	Lincoln, NE 68512	Lincoln, NE 68512
iew	104649	test test	8209 Bancroft Ave, Lincoln, NE 68506	1	12345	0	Approve Deny	19		1 5 /2	Trees ordered	Customer informa
iew	104651	КВ	5530 N 17th St, Lincoln, NE 68521	1	12345	0	Approve Deny			The Read	Estimated savings: \$3.91/yr kWh benefits: 39.22 kWh/yr	Dan Lambe
iew	104653	КВ	5530 N 17th St, Lincoln, NE 68521	1	12345	0	Approve Deny	- and		A Real Property	Thermal benefits: -3.83 Therm / yr Latitude: 40.730214	E-mail address dlambe@arborday
iew	106618	todd guenther	6625 S Pass Dr, Lincoln, NE 68512	1	12345	0	Approved		- Ch	1	Longitude: -96.688709	Daytime phone num 402-473-9573
iew	106619	test test	4715 High St, Lincoln, NE 68506	1	12345	0	Approve Deny		2 VA	CALLY.	Red Maple Estimated savings: \$3.30 / yr	Account number
iew	106656	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny	1	23.37/A		kWh benefits: 33.15 kWh / yr Thermal benefits: -4.80 Therm / yr	12345
iew	106665	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny	130	2 53.30/y		Latitude: 40.730132 Longitude: -96.688554	
iew	106849	Rich Testing	4715 High St, Lincoln, NE 68506	1	12345	0	Approve Deny					<i>8</i> .
iew	106872	test test	4715 High St, Lincoln, NE 68506	1	12345	0	Approve Deny					
iew	106985	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny					
iew	107020	Rich JustTesting	4715 High St, Lincoln, NE 68506	1	12345	0	Approve Deny					
iew	107025	test test	5515 Prescott Ave, Lincoln, NE 68506	1	12345	0	Approve Deny					
iew	107197	KBB B	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny					
iew	108541	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve Deny					

Showing 1-25 of 61 orders. < Prev Next >







DSD 003910

## **Dashboard-Trees** Map

ENERGY-SAVING Orders Trees map Reports Filters Collapse Apply Clear all View as a report



CArbor Day Foundation DAVEY



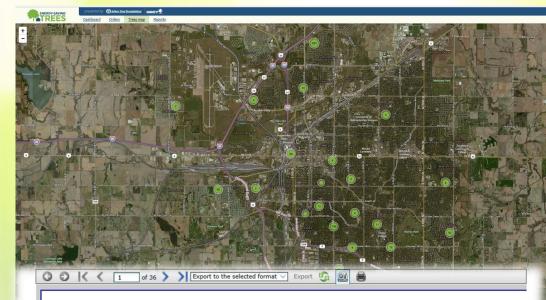


DSD 003911

Hello, demo! Log off

## Partner Dashboard

Orde								
tart date 07/01/2		date Street add	fress Order status	Search				
1,01/2				Jearch		i	Order number	Find
	Order#	Customer name	Address	Trees	Account #	Audits	Actions	
View	104015	Dan Lambe	2332 Scotch Pine Trail, Lincoln, NE 68512	2	12345	٥	Approve	)eny
View	104036	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve	Deny
View	104100	KB	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve	leny
View	104130	Zachary Kane	4738 Birch Hollow Dr, Lincoln, NE 68516	2	12345	0	Approve	Deny
View	104151	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve	Deny
View	104222	Zach Kane	4738 Birch Hollow Dr, Lincoln, NE 68516	1	12345	0	Approve	Deny
View	104273	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve	Deny
View	104297	КЪ	5530 N 17th St, Lincoln, NE 68521	1	12345	0	Approve	Deny
View	104365	LM	2533 W Washington St, Lincoln, NE 68522	2	12345	0	Approve	Deny
View	104379	test test	4715 High St, Lincoln, NE 68506	1	12345	0	Approve	Deny
View	104644	Luke Miller	2533 W Washington St, Lincoln, NE 68522	1	12345	0	Approve	Deny
View	104649	test test	8209 Bancroft Ave, Lincoln, NE 68506	1	12345	0	Approve	Deny
View	104651	КВ	5530 N 17th St, Lincoln, NE 68521	1	12345	0	Approve	Deny
View	104653	КВ	5530 N 17th St, Lincoln, NE 68521	1	12345	0	Approve	Deny
View	106618	todd guenther	6625 S Pass Dr, Lincoln, NE 68512	1	12345	0	Approved	
View	106619	test test	4715 High St, Lincoln, NE 68506	1	12345	0	Approve	Deny
View	106656	КВ	5530 N 17th St, Lincoln, NE 68521	2	12345	0	Approve	Deny
View	106665	КВ	5530 N 17th St, Lincoln, NE 68521	2	-			Deny
View	106849	Rich Testing	4715 High St, Lincoln, NE 68506					
View	106872	test test	4715 High St, Lincoln, NE 68506		Order status Unprocessed			this order is assetting
View	106985	КВ	5530 N 17th St, Lincoln, NE 6853		Compaign Spring ADF Demo			thiny Appr
View	107020	Rich JustTesting	4715 High St, Lincoln, NE		41.010.000			
View	107025	test test	5515 Prescott Ave, Lin					
View	107197	KBB B	5530 N 17th St, Lin	A MARINE A		Mapping address 2332 Scotch Ping	(m)	Mailing addr 2332 Scatch
View	108541	КВ	5530 N 17th St, L	Sara	1	Lincoln, NE 68512		Lincoln, NE 6
nowing	1-25 of 61 o	orders.	a strange	1000	21	Eastern)	Radbud	Customer in Full name
< Prev	Next	>		22	5 B.C.	Thermal	tervings: \$3.91/yr terrefits: \$3.22 kWh/yr terrefits: 43.65 Therm/yr	Dan Lambs
				20	-		Lastitude: 40.730214 rightudic: 496.686709	dambe@arb
				D Saloyer	R	Thermal	fe swings: \$1.30 / yr swings: \$1.30 / yr swings: 4.80 Therm/ yr article: 40, 730522 register: -36.4888554	412-473-557 Account num 12345
								/



ENERGY-SAVING

#### Year 20 Benefits by Tree

						1	senents per	year (at year 2	0)
Order #	Date	Company	Location	Tree name	Savings	kWh	Therms	Stormwater	Ca
23502	9/12/2013	JEI (Demo)	40.795035, -96.759241	Norway Spruce	\$23.46	116.80	18.13	941 gals	21
23502	9/12/2013	JEI (Demo)	40.795008, -96.759320	River Birch	\$12.00	210.22	-6.25	1,623 gals	78:
23583	9/16/2013	JEI (Demo)	40.778562, -96.682364	Red Maple	\$16.63	191.75	1.62	1,147 gals	638
23583	9/16/2013	JEI (Demo)	40.778506, -96.682339	River Birch	\$3.81	55.14	-0.79	1,623 gals	78:
23639	9/18/2013	JEI (Demo)	40.778363, -96.682380	Norway Spruce	\$18.83	149.51	8.80	941 gals	21
23639	9/18/2013	JEI (Demo)	40.778270, -96.682397	Eastern Redbud	\$7.72	120.88	-2.54	331 gals	288
23640	9/18/2013	JEI (Demo)	40.778364, -96.682393	Norway Spruce	\$18.83	149.51	8.80	941 gals	21







DSD 003912

# Which Delivery Model Fits You Best?

### **Direct Delivery**



Small potted trees-Half to 1-gallon size



#### **Local Pick-Up**



3- to 5-gallon trees







# Pickup Event





## Cost Per Tree

### All-Inclusive:

- Tree purchase (sourced regionally)
- Tree transportation
- Licensing and customization of software
- Use of software for reservation/education
- Dashboard, reporting, and data storage
- Admin assistance from our team
- Marketing planning/samples
- Call center support







# **Direct Delivery**

## Cost Per Tree

### All-Inclusive:

- Tree purchase (sourced regionally)
- Tree postage
- Licensing and customization of software
- Use of software for reservation/education
- Dashboard reporting and data storage
- Admin assistance from our team
- Marketing planning/samples
- Call center support











Kristen Bousquet Arbor Day Foundation 402-473-2023 <u>kbousquet@arborday.org</u>

arborday.org/ESTrees

#### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Thursday, December 07, 2017 5:17 PM
To:	Bedwell, Heidi
Subject:	CUP Meeting form
Attachments:	2017_1114_Completed_FollowUpForms_2.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

Attached is one of the forms that was collected during the CUP meeting. I suspect that this person thought that they were commenting to the City.

Brad

## energizeeastside



5*

### South Bellevue Public Meeting | Nov. 14, 2017

Note: Puget Sound Energy believes in protecting your privacy. Information you provide will be added to the project mailing list and you may receive project updates. Unless required by law, Puget Sound Energy will not share your

Name	Contact info (address, phone, email)	Follow-up topics
Daren Anderson	9424 117th Ave Acte Kulland int 98033 425761 0548 dae the nescogroup. Com	What if multiple batteries are interconnected at 12.5 icu at multiple location

#### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Monday, October 23, 2017 4:36 PM
To:	Bedwell, Heidi
Subject:	RE: Energize-Eastside-Fact-Sheet FINAL Web
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi, taking a quick look, the parcel number for the Richards Creek Substation should be 1024059130. The parcel number and address listed are for the Lakeside substation. I will let you know ASAP if we find anything else.

Thanks,

Brad

From: HBedwell@bellevuewa.gov [mailto:HBedwell@bellevuewa.gov]
Sent: Monday, October 23, 2017 3:47 PM
To: Strauch, Bradley
Subject: Energize-Eastside-Fact-Sheet FINAL Web
Importance: High

We will be posting (tomorrow) the attached information to the city's website. Thought I'd quickly have your eyes on it in case I've got any inadvertent errors in the document. LMK

#### Bedwell, Heidi

From:	Strauch, Bradley <bradley.strauch@pse.com></bradley.strauch@pse.com>
Sent:	Monday, October 09, 2017 8:00 AM
To:	Bedwell, Heidi
Subject:	Parcel List
Attachments:	2017_1006_SouthBellevue_parcels.xlsx
Follow Up Flag:	Follow up
Flag Status:	Flagged

Heidi,

Attached, please find the requested parcels in south Bellevue (south of Lakeside) that are part of the corridor. A few notes:

- PSE-owned parcels (namely, the Somerset substation) are not included
- When reviewing against P360 maps, if it was hard to determine if a parcel touched the lines (i.e., the wires showing on the map), we erred on the side of inclusion to ensure no parcels were mistakenly excluded.
- If there was no site address (a vacant parcel, such as a park) or a parcel where we know the site address is not good for mailing (such as the street address of a commercial building), we included the tax address instead of site address.
- If an address was associated with more than one parcel (such as most of the jurisdictional parcels), we've combined those into one line, so the mailing list will only include them once.

The final list is 174 parcels and 164 addresses. Please let me know if there are any questions.

8135300020REEP-OFC BELLEVUE WA LLC1 FRONT ST #550SAN FRAN(CA94111Tax1024059123SUN LIFE ASSURANCE OF CANADASANDIE YOUNG1 SUN LIFE PARKWELLESLEY MA02481Tax1951700010EDMUND J BEAZLEY12762 SE 65TH STBELLEVUE WA98006Site2600010590LORI GARTNERRAY GARTNER13203 SE 49TH STBELLEVUE WA98006Site2600010610YING TANGBINHAI XUE13204 SE 49TH STBELLEVUE WA98006Site2600010580JOCELYN GARNERDALVINDER S GILL13206 SE 51ST PLBELLEVUE WA98006Site2600010530HUI-HSING CHENPING HONG CHEN13212 SE 49TH STBELLEVUE WA98006Site2600010420ALLEN E FLECKENSTEINISI ADN GCHEN13212 SE 51ST PLBELLEVUE WA98006Site	ре
1951700010EDMUND J BEAZLEY12762 SE 65TH STBELLEVUE WA98006Site2600010590LORI GARTNERRAY GARTNER13203 SE 49TH STBELLEVUE WA98006Site2600010610YING TANGBINHAI XUE13204 SE 49TH STBELLEVUE WA98006Site2600010410BHUPINDER K GILLDALVINDER S GILL13206 SE 51ST PLBELLEVUE WA98006Site2600010580JOCELYN GARNERMERCHANT MCALISTER13211 SE 49TH STBELLEVUE WA98006Site2600010630HUI-HSING CHENPING HONG CHEN13212 SE 49TH STBELLEVUE WA98006Site	
2600010590LORI GARTNERRAY GARTNER13203 SE 49TH STBELLEVUE WA98006Site2600010610YING TANGBINHAI XUE13204 SE 49TH STBELLEVUE WA98006Site2600010410BHUPINDER K GILLDALVINDER S GILL13206 SE 51ST PLBELLEVUE WA98006Site2600010580JOCELYN GARNERMERCHANT MCALISTER13211 SE 49TH STBELLEVUE WA98006Site2600010630HUI-HSING CHENPING HONG CHEN13212 SE 49TH STBELLEVUE WA98006Site	
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2600010410         BHUPINDER K GILL         DALVINDER S GILL         13206 SE 51ST PL         BELLEVUE         98006         Site           2600010580         JOCELYN GARNER         MERCHANT MCALISTER         13211 SE 49TH ST         BELLEVUE         98006         Site           2600010630         HUI-HSING CHEN         PING HONG CHEN         13212 SE 49TH ST         BELLEVUE         98006         Site	
2600010580         JOCELYN GARNER         MERCHANT MCALISTER         13211 SE 49TH ST         BELLEVUE         WA         98006         Site           2600010630         HUI-HSING CHEN         PING HONG CHEN         13212 SE 49TH ST         BELLEVUE         WA         98006         Site	
2600010630 HUI-HSING CHEN PING HONG CHEN 13212 SE 49TH ST BELLEVUE WA 98006 Site	
2600010420         ALLEN E FLECKENSTEIN         13212 SE 51ST PL         BELLEVUE         WA         98006         Site	
2600010430 HANG TAK CHAU NORA CHAN CHAU 13218 SE 51ST PL BELLEVUE WA 98006 Site	
2600010450 LISA S ALLOCCA WILLIAM W ALLOCCA 13230 SE 51ST PL BELLEVUE WA 98006 Site	
2600010460 GAILE S BOWERS 13232 SE 51ST PL BELLEVUE WA 98006 Site	
1524059080 ROBIN JACOBSON 13601 SE ALLEN RD BELLEVUE WA 98006 Tax	
2206500020 JULIE L SIDLES WALTER L SIDLES 13612 SE 37TH ST BELLEVUE WA 98006 Site	
2206500285 SOPHIE FLAJSINGR 13615 SE 37TH ST BELLEVUE WA 98006 Site	
7855000350 GAO LIN HUBERT LIN 13615 SE 44TH ST BELLEVUE WA 98006 Site	
2206500025 PATRICIA J CAMPBELL 13624 SE 37TH ST BELLEVUE WA 98006 Site	
7855000010 JOHN RODGERS MARY JO D RODGERS 13652 SE 43RD ST BELLEVUE WA 98006 Site	
2206500375 DANA NELSON STEVEN NILSSON 13653 SE 38TH ST BELLEVUE WA 98006 Site	
7856660250 RICHARD M T LEE 13700 SE 44TH ST BELLEVUE WA 98006 Site	
7856660240 DON CHIKUMA THELMA CHIKUMA 13706 SE 44TH ST BELLEVUE WA 98006 Site	
7856640430 JIAN BIN WANG 13707 SE 43RD ST BELLEVUE WA 98006 Site	
7856640570 SUSHEEL KUMAR 13708 SE 43RD ST BELLEVUE WA 98006 Site	
1524059145 SU HUYNH TO TAN HUYNH 13710 SE 42ND ST BELLEVUE WA 98006 Site	
7856640440 CHERYL Y HUANG STANLEY S HUANG 13711 SE 43RD ST BELLEVUE WA 98006 Site	
7856640010 MATTHEW E DIXON 13721 SE 42ND PL BELLEVUE WA 98006 Site	
1524059032 YUEQIANG LUO 13724 SE NEWPORT WA BELLEVUE WA 98006 Site	
7856640020 ZHENG DU YINGJIN WANG 13727 SE 42ND PL BELLEVUE WA 98006 Site	
7856640030 WEIXIANG SUN 13733 SE 42ND PL BELLEVUE WA 98006 Site	
7856640040 MARY YA-WEN CHI 13801 SE 42ND PL BELLEVUE WA 98006 Site	
8135300110 SUNSET NORTH LLC 200 STATE ST 5TH FLR BOSTON MA 02109 Tax	
2206500220 JULIE L SIDLES WALTER L SIDLES 3704 136TH AVE SE BELLEVUE WA 98006 Site	
2206500225 ELMER F KERNS FREDERICK WHITE 3712 136TH AVE SE BELLEVUE WA 98006 Site	

2206500230	MODI HOLTZMAN		3720 136TH AVE SE	BELLEVUE	WA	98006	Site
2206500235	ANGELA HAGERTY	ROBERT W HAGERTY	3726 136TH AVE SE	BELLEVUE	WA	98006	Site
2206500260	DOREEN AMY FOISY	STEVEN C FOISY	3731 136TH PL SE	BELLEVUE	WA	98006	Site
2206500240	JIM WASHBURN		3734 136TH AVE SE	BELLEVUE	WA	98006	Site
2206500255	JAMES HOGAN	LINDA M HOGAN	3741 136TH PL SE	BELLEVUE	WA	98006	Site
2206500245	SVETLANA CRABTREE	THOMAS B CRABTREE	3742 136TH AVE SE	BELLEVUE	WA	98006	Site
2206500250	JOSEPH CHAD PAGE		3752 136TH AVE SE	BELLEVUE	WA	98006	Site
2206500380	CHRISTINE DOTSON	MICHAEL J DOTSON	3803 138TH AVE SE	BELLEVUE	WA	98006	Site
2206500435	KAR NAMUDURI	VEERABHADRARAO NAMUD	13805 136TH PL SE	BELLEVUE	WA	98006	Site
2206500385	CHAUN TIAN	SHUANG PAN TIAN	3811 138TH AVE SE	BELLEVUE	WA	98006	Site
2206500390	S I BERGE		3819 138TH AVE SE	BELLEVUE	WA	98006	Site
2206500395	NADER BIRJAND	NASRIN MOADELI	3825 138TH AVE SE	BELLEVUE	WA	98006	Site
2206500400	ZHU XIAOBING		3833 138TH AVE SE	BELLEVUE	WA	98006	Site
2206500405	HEERA & INSOON SHIN	YOUNG GEUN SHIN	3841 138TH AVE SE	BELLEVUE	WA	98006	Site
2206500425	CHRISTIN JANNISON	KENNETH J JANNISON	3842 136TH AVE SE	BELLEVUE	WA	98006	Site
2206500420	IRIS A YAMAMOTO (TRUSTEE)		3846 136TH AVE SE	BELLEVUE	WA	98006	Site
2206500415	WEIQING WANG		3852 136TH AVE SE	BELLEVUE	WA	98006	Site
2206500410	ANGELA LEWIS	DONALD LEWIS	3858 136TH AVE SE	BELLEVUE	WA	98006	Site
7856420050,	KEUN S RYU		4225 136TH PL SE	BELLEVUE	WA	98006	Site
7856420060	ANNALISA G ATIENZA	JOEL C ATIENZA	4228 136TH PL SE	BELLEVUE	WA	98006	Site
7856420070	ROBERT COGGINS	LENA PARK	4232 136TH PL SE	BELLEVUE	WA	98006	Site
7855000230	DAVID L WOMELDORFF	SUSAN B WOMELDORFF	4304 136TH PL SE	BELLEVUE	WA	98006	Site
7855000240	ZHOU HAN		4316 136TH PL SE	BELLEVUE	WA	98006	Site
7855000250	KATHY L JUDKINS		4324 136TH PL SE	BELLEVUE	WA	98006	Site
7855000260	WANG HAO	KELLY YINGLI XU	4332 136TH PL SE	BELLEVUE	WA	98006	Site
7855000270	CHEN HONGMIN FANG	ZHENG FANG	4340 136TH PL SE	BELLEVUE	WA	98006	Site
7855000280	BRIAN D VO	LUU JAYLEEN B VO	4350 136TH PL SE	BELLEVUE	WA	98006	Site
7855000320	MAC B NGUYEN	THI CAM NGUYEN	4388 SOMERSET BLVD S	BELLEVUE	WA	98006	Site
7855000325	YANG LI ZHANG	YIYUN ZHANG	4398 SOMERSET BLVD S	BELLEVUE	WA	98006	Site
7855000360	KEITH HU	LAY ANG HU	4408 SOMERSET BLVD S	BELLEVUE	WA	98006	Site
7855000290	CHHAVI BHASIN	VINOD MAMTANI	4412 136TH PL SE	BELLEVUE	WA	98006	Site
7855800010	COLIN W GANTS	COLLEEN E GANTS	4416 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855000300	DAN WELLS		4420 136TH PL SE	BELLEVUE	WA	98006	Site
7855800020	RUIHUA SONG		4426 SOMERSET DR SE	BELLEVUE	WA	98004	Site

7855000310	MARCIE	JEAN M HYDE	4428 136TH PL SE	BELLEVUE	WA	98006	Site
7855800030	CYNTHIA LEE CHARLES		4430 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855800040	RUSSELL OCHSNER	EMILY ORZECH	4502 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410010	MARTIN OTTEN		4509 SOMERSET PL SE	BELLEVUE	WA	98006	Site
7855800050	ALICE A ABRAHAM		4510 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410020	XIAOQIANG XU		4517 SOMERSET PL SE	BELLEVUE	WA	98006	Site
7855800060	DAVE MICKELSON	LORNA D MICKELSON	4518 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855800070	KENT MILLER	REBECCA C MILLER	4524 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410030	DAVID JULIAN ROBERTS		4529 135TH AVE SE	BELLEVUE	WA	98006	Site
7855800080	ROGER W ORTH		4530 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410040	LISA MUNDAHL GREENE		4537 135TH AVE SE	BELLEVUE	WA	98006	Site
7855800090	ANLEE COX	SEAN COX	4538 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410050	QI (JUDY) CUI		4543 135TH AVE SE	BELLEVUE	WA	98006	Site
7855800100	FRANK BOSONE	JULIE BOSONE	4544 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410060	KWOK MAN LEE		4551 135TH AVE SE	BELLEVUE	WA	98006	Site
7855800110	VALLIAPPA LAKSHMANAN	PALANIAPPAN A LAKSHMI	4552 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410070	IRENE YII-NING FOO	KHEE KONG YAU	4557 135TH AVE SE	BELLEVUE	WA	98006	Site
7855800120	STEPHEN E MACKENZIE		4560 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410080	LAURETTA M MAIN	RANDALL C MAIN	4561 135TH AVE SE	BELLEVUE	WA	98006	Site
7855800130	JOHN SLEUTEL		4566 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410090	DI WANG	YANYAN WANG	4569 135TH AVE SE	BELLEVUE	WA	98006	Site
7855800140	CHRISTIE DOOLITTLE	FRANK L DOOLITTLE	4600 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7856410100	KAREN ESAYIAN	SAM ESAYIAN	4601 135TH AVE SE	BELLEVUE	WA	98006	Site
7856410110	LIN LI LU	XINAN LU	4609 135TH AVE SE	BELLEVUE	WA	98006	Site
7856410120	EROL TANER		4615 135TH AVE SE	BELLEVUE	WA	98006	Site
7855801670	AMY BENCKE	MATTHEW BENCKE	4625 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855801600	JOAN NOLAN		4700 133RD AVE SE	BELLEVUE	WA	98006	Site
7855801680	MELVIN L WILENZICK		4701 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855801590	JANET E BARRETT	MICHAEL F BARRETT	4708 133RD AVE SE	BELLEVUE	WA	98006	Site
7855801690	YONGHONG WANG		4709 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855801580	JONATHAN HALL		4716 133RD AVE SE	BELLEVUE	WA	98006	Site
7855801700	LAURENCE R WEATHERLY		4717 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855801570	HOU-CHING CHOW	YVONNE BIK CHOW	4724 133RD AVE SE	BELLEVUE	WA	98006	Site
7855801710	SHI OON KIM	YEONMI YU KIM	4725 SOMERSET DR SE	BELLEVUE	WA	98006	Site

7855801720	STEVE LO	PAUL THRUSH	4733 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855801560	PREETHI N CHIKKABALLAPUR	VISHNU PATANKAR	4734 133RD AVE SE	BELLEVUE	WA	98006	Site
7855801550	HAO LI ZHENG	JIANDAN ZHENG	4740 133RD AVE SE	BELLEVUE	WA	98006	Site
7855801730	DI BOFFERDING	CHARLES H BOFFERDING III	4741 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855801540	YAN HONGJIAO WANG	YUNJI WANG	4748 133RD AVE SE	BELLEVUE	WA	98006	Site
7855801740	ANANT DINESHRAI PORWAL		4749 SOMERSET DR SE	BELLEVUE	WA	98006	Site
7855801763	JAMES S HARVEY	LINDA K HARVEY	4755 132ND AVE SE	BELLEVUE	WA	98006	Site
7855801750	SEBASTIAN HO		4755 SOMERSET DR SE	BELLEVUE	WA	98006	Site
2600010620	ERIC ZHUANG	WEI ZHAO ZHUANG	4809 SOMERSET DR SE	BELLEVUE	WA	98006	Site
2268400310	JASON C CHEN		4926 131ST PL SE	BELLEVUE	WA	98006	Site
2268400300	JUDITH L BOYCE	MICHAEL A BOYCE	4932 131ST PL SE	BELLEVUE	WA	98006	Site
2268400290	STEVEN H SHIMAMOTO		4938 131ST PL SE	BELLEVUE	WA	98006	Site
2268400280	ROSEMARY R RHOADS		4942 131ST PL SE	BELLEVUE	WA	98006	Site
2268400270	HAIBO HE SHENG	YUAN JING SHENG	4946 131ST PL SE	BELLEVUE	WA	98006	Site
6071900210	DENNIS E BREZNIKAR		5820 129TH AVE SE	BELLEVUE	WA	98006	Site
6071900200	MARTHA L RADABAUGH		5828 129TH AVE SE	BELLEVUE	WA	98006	Site
6071900190	TRACY D HARVEY		5836 129TH AVE SE	BELLEVUE	WA	98006	Site
6071900180	SAMUEL L SUTHERLAND	MARY TRUSCOTT	5844 129TH AVE SE	BELLEVUE	WA	98006	Site
6071900170	JEFFREY E LEWIS		5852 129TH AVE SE	BELLEVUE	WA	98006	Site
6071900160	DEBRA A YAZICI		5860 129TH AVE SE	BELLEVUE	WA	98006	Site
6071900150	ANDRE J BARASHKOFF	JULIE R BARASHKOFF	5902 128TH AVE SE	BELLEVUE	WA	98006	Site
6071900140	CHRISTINE KLASEY	MICHAEL M KLASEY	5910 128TH AVE SE	BELLEVUE	WA	98006	Site
6071900130	SIU KWONG MOK	YANG LIHUA MOK	5918 128TH AVE SE	BELLEVUE	WA	98006	Site
6072200170	ANITA A BOATMAN	LARRY K BOATMAN	6004 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200350	TASHI T SHERPA		6021 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200360	SARAH T HERR		6029 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200370	KENNETH D SCHUYLER		6037 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200380	JUDSON W VIRDEN	PATRICIA VIRDEN	6045 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200390	BRINDA K VIRDEN	JOHN S VIRDEN	6055 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200400	JOSE P K CHUNG		6205 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200410	JUNGWOOK BAE	MINSOOK BAE	6213 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200420	MATTHEW C KLEVEN	MELINDA KLEVEN	6221 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200430	DONALD FRANK ST PETER	JULIE LEE ST PETER	6229 129TH AVE SE	BELLEVUE	WA	98006	Site
6072200440	KEITH G JOHNSON	NICOLA A JOHNSON	6237 129TH AVE SE	BELLEVUE	WA	98006	Site

6072200450	DAVID A BURRELL	MARTINA J BURRELL	6303 129TH AVE SE	BELLEVUE	WA	98006	Site
1951700140,	BEA BUTLER	JIM BUTLER	6409 129TH AVE SE	BELLEVUE	WA	98006	Site
1951700130	RICK & ROXANNE MITCHELL	LEIGH PHILLIPS	6415 129TH AVE SE	BELLEVUE	WA	98006	Site
1951700120	JOAN E PARISH	NORMAN PARISH	6425 129TH AVE SE	BELLEVUE	WA	98006	Site
1951700800,	KEVIN STEIL		6505 128TH AVE SE	BELLEVUE	WA	98006	Site
1951700790	JAN ARNESEN	LLOYD ARNESEN	6515 128TH AVE SE	BELLEVUE	WA	98006	Site
1951700780	DIANNA CAMPBELL	NEIL CAMPBELL	6601 128TH AVE SE	BELLEVUE	WA	98006	Site
1951700770	XIAOYUN DONG	HUAN ZHANG	6609 128TH AVE SE	BELLEVUE	WA	98006	Site
1951700760	ESTERA FILIPAS	GHEORGHE FILIPAS	6617 128TH AVE SE	BELLEVUE	WA	98006	Site
1951700750	ELIZABETH A HERSHMAN-GREVEN		6625 128TH AVE SE	BELLEVUE	WA	98006	Site
1951700740	MAN CHING KWOK		6633 128TH AVE SE	BELLEVUE	WA	98006	Site
1951810080	CRAIG P GROSINGER	JANEAL M GROSINGER	6703 128TH AVE SE	BELLEVUE	WA	98006	Site
1951810090	BILL M LEFFLER		6709 128TH AVE SE	BELLEVUE	WA	98006	Site
1951810100	PATRICIA S JOSHI	RAHUL JOSHI	6713 128TH AVE SE	BELLEVUE	WA	98006	Site
1951810110	MICHELLE COUCH	STEVEN L COUCH	6721 128TH AVE SE	BELLEVUE	WA	98006	Site
1951810120	DANIKA GLOBOKAR	DEVIN MONAS	6733 128TH AVE SE	BELLEVUE	WA	98006	Site
1951830090	CHARLES L RUSSELL	GERRI RUSSELL	6903 128TH PL SE	BELLEVUE	WA	98006	Site
1951830080	DAVID BOHANNON	THORNTON PERRY	6909 128TH PL SE	BELLEVUE	WA	98006	Site
1951830070	CORRIN M PONTE		6915 128TH PL SE	BELLEVUE	WA	98006	Site
1951830060	LI JIE WANG SONG	RAYMOND Y SONG	6921 128TH PL SE	BELLEVUE	WA	98006	Site
1951830050	DREW ERIOTES	XIUYU LI	6927 128TH PL SE	BELLEVUE	WA	98006	Site
1524059005	JACK MCLEOD		BELLEVUE SCHOOL DIST PO BOX 90	BELLEVUE	WA	98009	Тах
2124059001,	PATTIE EBERT	CAMRON PARKER	CITY OF BELLEVUE, PARI PO BOX 90	BELLEVUE	WA	98009	Тах
1524059142,	PATTIE EBERT	JOHN RAMSHUR	CITY OF BELLEVUE, UTIL PO BOX 90	BELLEVUE	WA	98009	Тах
2124059018,	RICHARD COX	TERI HALLAUER	CITY OF SEATTLE, SPU-V PO BOX 34	SEATTLE	WA	98124	Тах
1024059101,	BRYAN HAGUE	MICHAEL KULISH	KING COUNTY-SOLID W. 500 4TH AV	SEATTLE	WA	98004	Тах
6308000380,	BRUCE NAHON		OAKS ASSOCIATION PO BOX 32	KIRKLAND	WA	98083	Тах
6072200470	JOE STONE		OLYMPIC PIPE LINE CON PO BOX 30	HOUSTON	ТХ	77253	Тах
7855801770	JEFFREY COOPERSMITH	JIM UMBECK	SOMERSET RECREATION 12819 SE 3	BELLEVUE	WA	98006	Тах