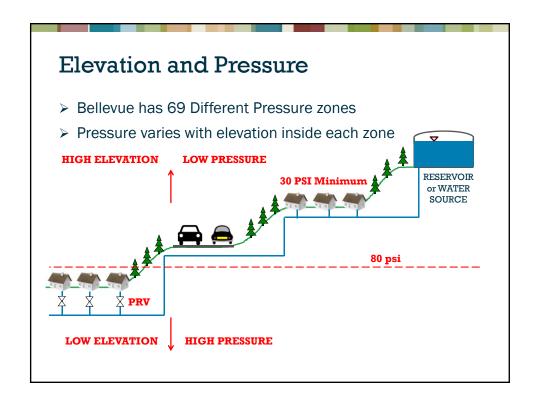
Environmental Services Commission

Policy clarification for High Pressure at Customer Points of Use

What we need from you

> Discussion and recommendation on policy guidance

Doug Lane September 6, 2018

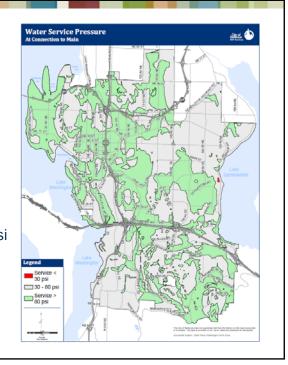


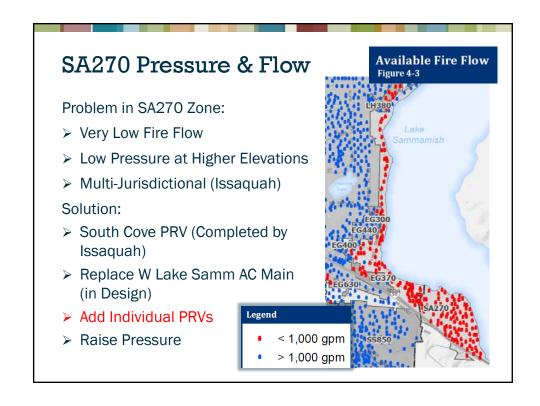
System-Wide

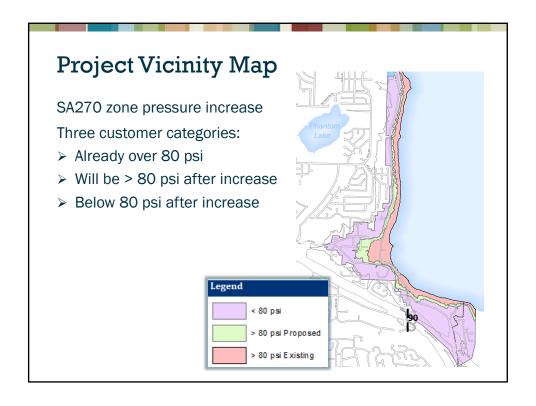
Pressure exceeds 80 psi for:

- > 44% of land area
- > 38% of population (56,200/148,000)
- > 35% of meters (14,300/40,800)

Pressure exceeds 100 psi at about 9% of meters (3,500/40,800)







Current Law and Policy

<u>Law</u>:

- ➤ Minimum 30 psi (20 psi in emergencies) in public mains
- > No regulatory maximum pressure in public mains
- ➤ Universal Plumbing Code (UPC) requires buildings be equipped with a PRV when pressure exceeds 80 psi.

City Policy:

- Minimum 30 psi (20 psi in emergencies)
- Homeowner is explicitly responsible for all aspects of individual PRVs, including "development" (construction):
 - "Property owners shall be responsible for <u>development</u>, maintenance, and repair of... <u>pressure reducing valves</u>, pumps, and backflow prevention assemblies on the customer side of the meter."
- Neither Code nor Policy allow utility to build or install private assets. Code only allows utility to acquire private assets.

Current Practice

When Pressure Exceeds 80 psi:

- Development / Re-Development: Property owner installs and owns PRVs (no Utilities Dept. involvement).
- ➤ City-Initiated (System Change): Utilities installs private PRVs in a vault on the customer side of the meter, and then transfers ownership to the property owner. 1-year warranty
 - Why?
 - Saves Cost (vs. other alternatives)
 - Controls project implementation
 - · Limits liability
 - · Good customer service

Proposed Policy

"Private property owners are solely responsible for compliance with the Uniform Plumbing Code, including installation, operation, maintenance and ownership of individual service line pressure-reducing valves. In special cases where it is mutually-beneficial to facilitate public system improvements, the Utility may choose to furnish individual PRVs for the property owner to own and maintain."

(See memo for further explanatory text)

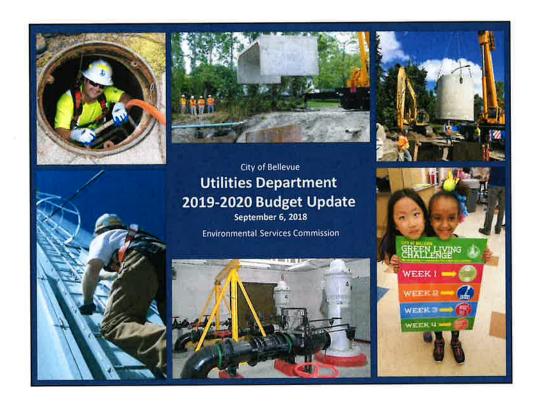
Recommendation

Requesting:

- > Discussion of draft policy language (attached to memo)
- > Approval of language or direction for modification

What happens next?

- > Incorporate into current and future projects
- > Public outreach
- > Incorporate into next Water System Plan





Agenda

January - May: 2019 - 2025 CIP Budget Review

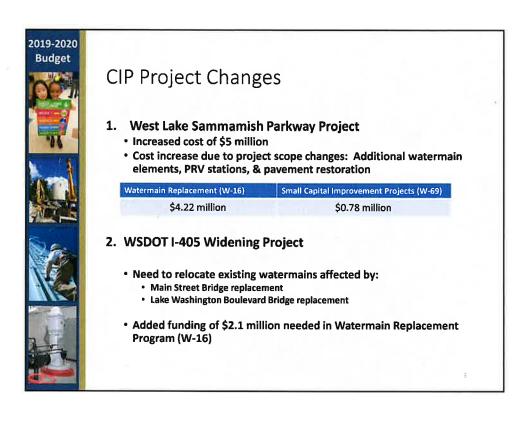
June 7: 2019-2020 Operating Budget Review

June 21:

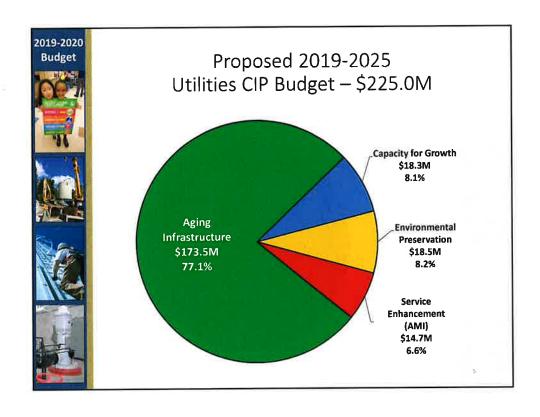
- Rate Review
- ESC Budget Proposal Recommendation LT

September 6: Proposed Budget Update

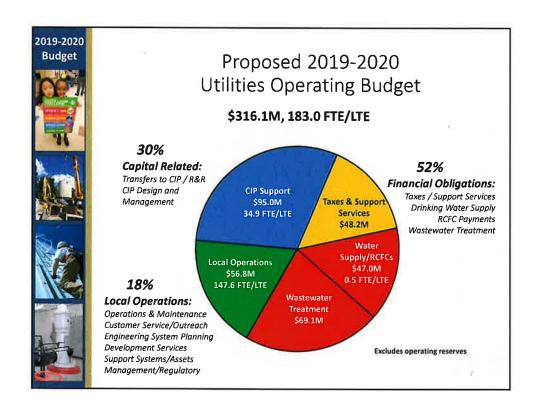
- CIP Budget Changes
- Operating Budget Changes
- Rate Review



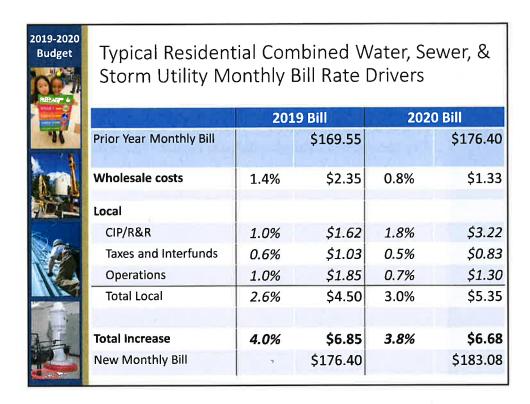
Changes to Proposed CIP Budget			
	"	AMOUNT	
-2025 Proposed CIP - June	I	\$	217.9M
iges:			
st Lake Sammamish Parkway Project	•	\$	5.0M
DOT I-405 Widening Project	•	\$	2.1M
-2020 Proposed CIP - September		\$	225.0M
	P-2025 Proposed CIP - June Riges: St Lake Sammamish Parkway Project DOT I-405 Widening Project P-2020 Proposed CIP - September	0-2025 Proposed CIP - June ages: st Lake Sammamish Parkway Project DOT I-405 Widening Project	D-2025 Proposed CIP - June \$ loges: st Lake Sammamish Parkway Project \$ DOT I-405 Widening Project \$

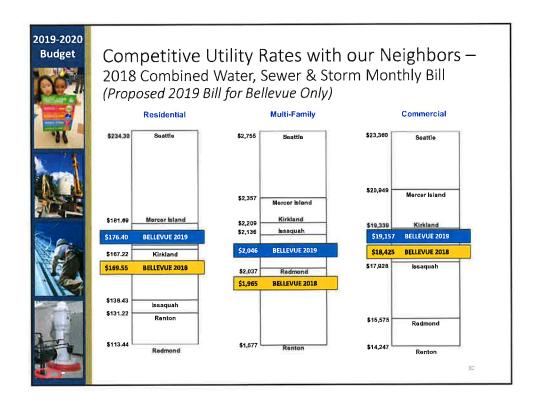


2019-2020 Budget	Changes to Proposed Operating Budget				
			AMOUNT		
	2019-2020 Proposed Budget - June	\$ 316.2M			
	Changes:				
	Wholesale – Water Supply Cost	+	(\$	0.9 M)	
	Wholesale – Water Connection Charges	•	\$	0.6 M	
1	Taxes and Support Services	•	\$	0.5 M	
	Personnel Cost	•	(\$	0.3 M)	
	2019-2020 Proposed Budget - September		\$:	316.1 M	



Proposed 2019-2020 Utility Rates September 2018				
	2019	2020		
Water September June Sewer	3.7% 5.0%	5.0% 5.0%		
September June	3.9% 3.9%	2.3% 2.3%		
Storm September June	5.4% 5.5%	5.4% 5.5%		
Combined September June	4.0% 4.6%	3.8% 3.8%		







ESC Utilities Budget Review – Next Steps

- Public hearing October 4
- Budget and rates recommendation to Council November 1

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