



Ms. Thara Johnson
City of Bellevue
PO Box 90012
Bellevue, WA 98009-9012

July 27, 2021

RE: 2020 Electric Service Reliability Report

Dear Ms. Johnson,

Enclosed find Puget Sound Energy's Bellevue Electric Reliability Report for calendar year 2020. For the 16th consecutive year, service reliability experienced by Bellevue customers in 2020 was well above that experienced by all PSE customers in the aggregate. Of the 97 distribution circuits serving Bellevue customers in 2020, 73 circuits had reliability numbers better than the system wide performance (24 circuits experienced no unplanned outages). 23 circuits had SAIDI or SAIFI figures that exceeded the 2020 PSE system wide performance values.

The report content for the 2020 report is the same as our 2019 report:

- Preface summarizing 2020 performance metrics reporting
- 2016 – 2020 System Average Interruption Duration Index (SAIDI) & System Average Interruption Frequency Index (SAIFI) Five Year History
- 2016 – 2020 SAIDI & SAIFI Five Year History Illustrated (graphed)
- 2020 Performance for Circuits Serving Bellevue
- 2020 Outages Summaries for Circuits Serving Bellevue
- 2020 Circuits Serving Bellevue Exceeding PSE SAIDI or SAIFI
- 2016 – 2020 Circuits That Exceeded PSE System SAIDI or SAIFI Five Year Overview
- 2020 Outage Events by Circuit list
- 2020 Report Codes Legend

We report PSE system-wide and Bellevue circuit SAIDI values consistent with reporting to the Washington State Utilities & Transportation Commission (WUTC).

Also included is our 2020 Service Quality Report Card available at PSE.com.

Please contact me at (425)462-3852 or e-mail at andy.swayne@pse.com to discuss any questions or concerns you may have about the report materials.

Sincerely,

A handwritten signature in black ink that reads 'Andy Swayne' in a cursive script.

Andy Swayne
Senior Municipal Liaison Manager

CC:

Kate Nesse – City of Bellevue, Community Development

Brian Rodan – City of Bellevue, Franchise Manager

RaeLynn Asah – PSE, Supervisor Municipal Relations

David Hoffman – PSE, Local Government Affairs & Public Policy Manager

Cathy Koch – PSE, Director Planning

Enclosures

PREFACE TO BELLEVUE ELECTRIC RELIABILITY REPORT FOR 2020

This preface summarizes performance metrics reporting for the 2020 calendar year, consistent with reporting to the Washington Utilities and Transportation Commission (WUTC) using System Average Interruption Duration Index (SAIDI) and System Average Interruption Frequency Index (SAIFI). All SAIDI values in the 2020 report were calculated using the IEEE 1366 methodology summarized below. SAIFI values calculation remains unchanged from past years.

System Average Interruption Duration Index (SAIDI)

Prior to 2010, PSE calculated and reported single year SAIDI values excluding Major Storm event (affecting 5% or more of total PSE electric customers) outages. During the period 2010 - 2015 PSE calculated and reported rolling five-year average SAIDI values (the current year and four preceding years) including Major Storm event outages. Eligible outages having durations longer than one minute were included in SAIDI calculations.

In consultation with the WUTC, in 2016 PSE began using the Institute of Electrical and Electronics Engineers (IEEE) Standard 1366 methodology for calculating SAIDI values reported to the WUTC. The IEEE Standard 1366 defines electric power reliability indices and factors that affect their calculations. The switch to the IEEE 1366 methodology returned to calculation of single year SAIDI values excluding outage events occurring on *Major Event Days*. Eligible outages having durations longer than five minutes are included in SAIDI calculations. Detailed discussion of this methodology is contained in PSE's 2016 Service Quality and Electric Reliability Report filed with the WUTC. In summary, the IEEE methodology takes this approach:

Major Event – An event, such as a storm, that causes serious reliability performance problems.

Major Event Days – Days when outage events can be excluded from the reliability performance calculation. Types of Major Event Days include:

SAIDI Exclusion Major Event Days – Any day in which the daily system SAIDI exceeds the threshold value for the current year.

5% Exclusion Major Event Days – Days that five percent or more of electric customers are experiencing an electric outage during a 24-hour period and subsequent days when the service to those customers is being restored.

SAIDI – System Average Interruption Duration Index – This index is calculated based on the formula:

$$\text{SAIDI} = \frac{\Sigma \text{Customer Minute Interruptions}}{\text{Average Annual Electric Customer Count}}$$

SAIDI_{SQI}*: The SAIDI values used in this report are calculated with the numerator including customer interruption minutes for outage events longer than five minutes occurring during non-Major Event Days events.

*SQI - Service Quality Index

All SAIDI values in the 2020 report were calculated using the IEEE Standard 1366 methodology.

System Average Interruption Frequency Index (SAIFI)

Calculation of SAIFI values reported to the WUTC has not changed from past years. SAIFI values are calculated for single years excluding 5% *Exclusion Major Event Day* outage events (see above). SAIFI is calculated based on the formula:

$$\text{SAIFI} = \frac{\Sigma \text{Number of Customer Interruptions}}{\text{Average Annual Electric Customer Count}}$$

SAIFI_{SQI}*: The SAIFI values used in this report are calculated with the numerator including customer interruptions for outage events longer than one minute occurring outside of 5% *Exclusion Major Event Days*.

*SQI – Service Quality Index

SAIFI values calculation has not changed from past reports.

Momentary & Sustained Interruptions

Interruptions to customer service fall into two designations:

Momentary Interruption— brief loss of power delivery to one or more customers caused by the opening and closing of an interrupting device:

SAIDI_{SQI}— any interruption five minutes or shorter

SAIFI_{SQI}— any interruption one minute or shorter

Sustained Interruption—any interruption not classified as Momentary (above):

SAIDI_{SQI}— any interruption longer than five minutes

SAIFI_{SQI}— any interruption longer than one minute

Outage Event Codes

Prior to 2016, PSE used *Storm Codes* to indicate whether an outage occurred during normal conditions (NON), weather event conditions (WTH) or major storm conditions (MAJ). In 2016, Storm Codes were discontinued and replaced with *Event Codes* to incorporate the IEEE designation of Major Event Days:

MEJ – IEEE Major Event Day & Major Storm (5% of customers effected)

MEN – IEEE Major Event Day – non Major Storm

NMJ – Non IEEE Major Event Day, but Major Storm (5% of customers effected)

NON – Non IEEE Major Event Day & non Major Storm

BELLEVUE ELECTRIC RELIABILITY REPORT FOR 2020

This report summarizes electric service reliability for customers within the City of Bellevue for calendar year 2020. For the 16th consecutive year, service reliability as measured by SAIDI & SAIFI for Bellevue customers was well above that experienced by all PSE customers in the aggregate. Of the 97 distribution circuits serving Bellevue customers in 2020, 73 circuits had reliability numbers better than the system wide performance (24 circuits experienced no unplanned outages). 23 circuits had SAIDI and/or SAIFI figures that exceeded 2020 system wide performance values.

SYSTEM AVERAGE INTERRUPTION DURATION INDEX (SAIDI) SYSTEM AVERAGE INTERRUPTION FREQUENCY INDEX (SAIFI) FIVE YEAR HISTORY

PSE analyzes and reports on the performance of its distribution circuits using two standard benchmarks of the electric utility industry, SAIDI and SAIFI.

| | SAIDI | | SAIFI | |
|-------------|----------|-------|----------|------|
| | BELLEVUE | PSE | BELLEVUE | PSE |
| 2016 | 107.0 | 148.0 | 0.74 | 1.06 |
| 2017 | 116.4 | 175.0 | 0.91 | 1.2 |
| 2018 | 111.3 | 145.0 | 0.71 | 1.02 |
| 2019 | 102.7 | 136.0 | 0.79 | 0.98 |
| 2020 | 93.0 | 165.0 | 0.92 | 1.24 |

SAIDI figures in minutes per customer calculated using the IEEE 1366 method
SAIFI figures in outage events per customer

SAIDI_{IEEE}: The System Average Interruption Duration Index is a measure of how long the average customer is out of service during the year, and is determined as:

$$\frac{\text{Sum of the customer outage minutes}}{\text{Total number of customers served}}$$

SAIDI figures are single year figures excluding outages that exceed the annual adjusted Major Event Day Threshold

Some customers will experience more outage minutes than the average and some fewer.

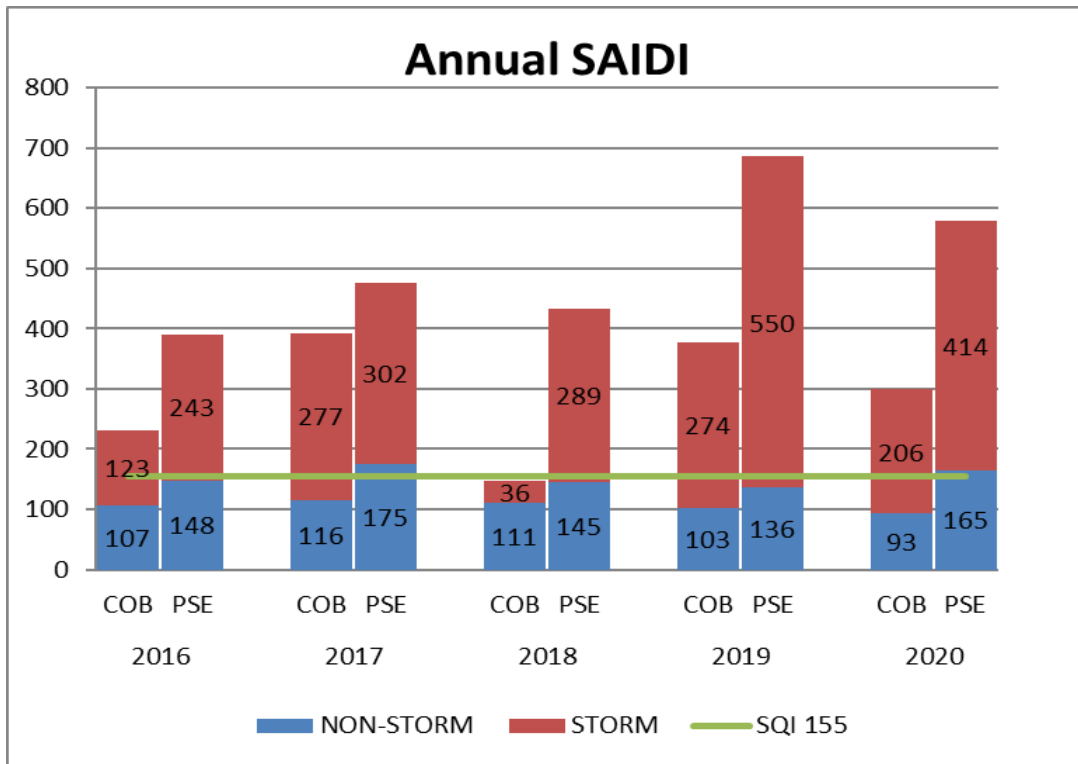
SAIFI: The System Average Interruption Frequency Index is a measure of how often the average customer in an area is out of service during a year, and is determined as:

$$\frac{\text{Sum of the number of customers affected by each outage}}{\text{Total number of customers served}}$$

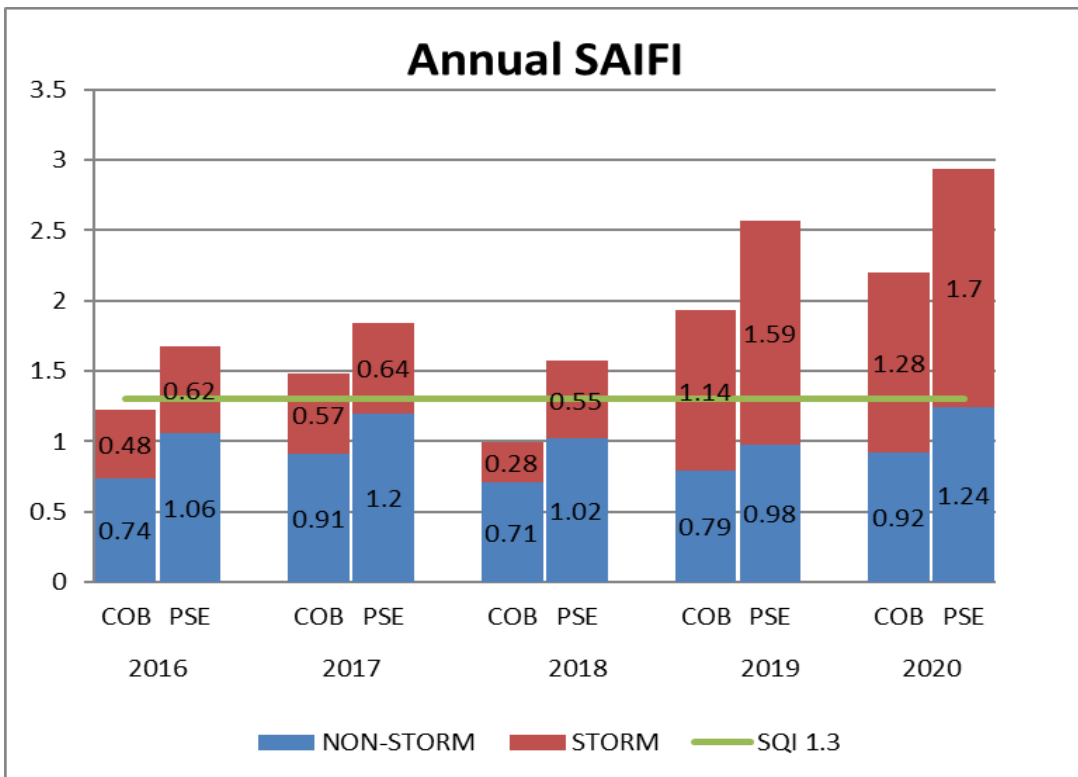
SAIFI figures are single year figures excluding 5% Exclusion Major Event Day outage events

Some customers will experience more outages than the average and some fewer.

**SYSTEM AVERAGE INTERRUPTION DURATION INDEX (SAIDI)
SYSTEM AVERAGE INTERRUPTION FREQUENCY INDEX (SAIFI)
FIVE YEAR HISTORY**



Values in minutes calculated using IEEE 1366 method



Values in outage events

**2020 PERFORMANCE FOR CIRCUITS SERVING BELLEVUE
EXCLUDING STORM OUTAGES**

| CIRCUIT | CUSTOMERS (METERS) | UNPLANNED OUTAGES ¹ | OUTAGE MINUTES ¹ | SAIDI ² | SAIFI ² |
|---------|---|-----------------------------------|--------------------------------|--------------------|--------------------|
| | <i>2020 PSE Companywide performance figures</i> | | | 165 | 1.24 |
| ARD-11 | 223 | 1 | 87 | 0.39 | 0.00 |
| ARD-13 | 865 | 1 | 107 | 3.40 | 0.05 |
| ARD-14 | 255 | 3 | 26,270 | 103.02 | 0.54 |
| ARD-15 | 1,614 | 10 | 125,632 | 162.82 | 0.83 |
| ARD-43 | 465 | 0 | 0 | 148.52 | 0.98 ⁵ |
| BTR-14 | 1,132 | 1 | 18,463 | 16.31 | 1.00 ⁴ |
| BTR-21 | 1,136 | 6 | 212,632 | 192.50 | 2.54 ⁴ |
| BTR-22 | 683 | 9 | 99,926 | 146.31 | 1.75 ⁴ |
| BTR-23 | 642 | 2 | 15,081 | 73.32 | 2.13 ⁴ |
| CEN-11 | 24 | 3 | 8,275 | 344.79 | 1.00 |
| CEN-12 | 306 | 0 | 0 | 36.05 | 0.04 ⁵ |
| CEN-13 | 471 | 0 | 0 | 0 | 0 |
| CEN-14 | 38 | 0 | 0 | 0 | 0 |
| CEN-22 | 549 | 0 | 0 | 0.30 | 0.01 ⁵ |
| CEN-25 | 965 | 2 | 273,779 | 365.82 | 2.28 |
| CLY-22 | 344 | 0 | 0 | 0 | 0 |
| CLY-23 | 540 | 8 | 15,145 | 29.39 | 0.21 |
| CLY-25 | 1,619 | 1 | 1,105 | 0.68 | 0.01 |
| CLY-26 | 1,310 | 5 | 16,144 | 14.84 | 0.09 |
| CLY-27 | 794 | 3 | 1,729 | 2.18 | 0.03 |
| COL-22 | 1 | 0 | 0 | 0 | 0 |
| COL-23 | 142 | 4 | 22,406 | 165.46 | 1.15 |
| COL-24 | 19 | 0 | 0 | 0 | 0 |
| COL-25 | 239 | 1 | 271 | 1.13 | 0.00 |
| COL-26 | 1,925 | 7 | 4,003 | 2.44 | 0.02 |
| EGT-11 | 1,222 | 13 | 132,950 | 108.97 | 1.46 ⁴ |
| EGT-12 | 2,562 | 12 | 285,838 | 117.81 | 1.95 ⁴ |
| EGT-13 | 7 | 1 | 315 | 45.00 | 1.00 ⁴ |
| EGT-15 | 270 | 4 | 108,322 | 406.23 | 3.31 ⁴ |
| EGT-16 | 518 | 4 | 24,469 | 47.24 | 1.09 ⁴ |
| EGT-25 | 737 | 8 | 255,901 | 388.72 | 2.20 ⁴ |
| EGT-26 | 26 | 1 | 1,170 | 45.00 | 1.00 ⁴ |
| EGT-27 | 603 | 4 | 29,466 | 48.87 | 1.13 ⁴ |
| EGT-28 | 1,773 | 18 | 122,994 | 69.37 | 1.13 ⁴ |
| EVE-23 | 2,971 | 16 | 193,804 | 66.65 | 0.47 |
| FAC-12 | 1,268 | 24 | 36,649 | 28.90 | 0.19 |
| FAC-13 | 492 | 0 | 0 | 0.52 | 0.00 ⁵ |
| FAC-14 | 473 | 1 | 3,432 | 7.26 | 0.05 |
| FAC-21 | 96 | 0 | 0 | 0 | 0 |
| FAC-23 | 227 | 0 | 0 | 4.88 | 0.03 ⁵ |
| FAC-24 | 83 | 1 | 8,882 | 118.67 | 0.46 |
| FAC-25 | 1,487 | 11 | 142,250 | 95.99 | 1.45 |
| GOO-13 | 2,241 | 7 | 600,615 | 268.01 | 3.03 ⁴ |
| GOO-21 | 427 | 15 | 80,579 | 189.60 | 2.20 ⁴ |
| HAZ-12 | 3,011 | 11 | 358,702 | 119.56 | 0.91 |
| HAZ-13 | 1,227 | 17 | 120,805 | 113.83 | 0.79 |
| HOU-23 | 1,316 | 5 | 15,394 | 11.70 | 0.07 |
| HOU-25 | 505 | 4 | 3,321 | 14.71 | 0.07 |
| KWH-22 | 1,304 | 5 | 24,914 | 19.11 | 0.18 |
| KWH-23 | 955 | 11 | 81,328 | 128.41 | 0.62 |
| KWH-25 | 1,628 | 26 | 88,735 | 58.89 | 1.43 |
| KWH-26 | 319 | 4 | 21,261 | 89.83 | 0.11 |
| LHL-22 | 1,019 | 10 | 125,381 | 124.52 | 1.17 ³ |
| LHL-23 | 1,356 | 5 | 395,391 | 378.61 | 1.77 ³ |
| LHL-25 | 2,518 | 12 | 286,627 | 131.16 | 1.52 ³ |
| LHL-26 | 552 | 9 | 47,036 | 85.21 | 1.12 ³ |

| | | | | | |
|---------------------|--------|-----|-----------|--------|-------------------|
| LOC-22 | 2,490 | 6 | 88,589 | 35.94 | 0.11 |
| LOC-23 | 2,033 | 6 | 66,746 | 40.76 | 0.22 |
| LOC-24 | 46 | 0 | 0 | 18.07 | 0.09 ⁵ |
| LOC-25 | 153 | 0 | 0 | 0 | 0 |
| LOC-32 | 229 | 0 | 0 | 0 | 0 |
| LOC-33 | 312 | 2 | 106,772 | 363.58 | 1.22 |
| LOC-34 | 358 | 0 | 0 | 0 | 0 |
| LOC-35 | 21 | 0 | 0 | 0 | 0 |
| MED-35 | 190 | 3 | 25,910 | 141.17 | 0.66 |
| MED-36 | 676 | 14 | 47,640 | 70.47 | 0.40 |
| MLK-12 | 424 | 2 | 1,278 | 3.44 | 0.02 |
| MLK-13 | 1,435 | 6 | 18,885 | 14.25 | 0.10 |
| MLK-15 | 1,620 | 10 | 366,154 | 227.66 | 1.42 |
| MLK-16 | 1,563 | 5 | 1,049 | 0.67 | 0.00 |
| NOB-11 | 62 | 0 | 0 | 9.68 | 0.03 ⁵ |
| NOB-12 | 700 | 0 | 0 | 119.60 | 0.17 ⁵ |
| NOB-13 | 25 | 0 | 0 | 0 | 0 |
| NOB-14 | 950 | 2 | 115,551 | 144.44 | 1.15 |
| NOB-21 | 5 | 0 | 0 | 0 | 0 |
| NOB-22 | 149 | 2 | 7,823 | 52.50 | 0.09 |
| NOB-23 | 955 | 0 | 0 | 0 | 0 |
| NOB-24 | 1,013 | 11 | 131,109 | 130.65 | 2.10 |
| NRU-23 | 757 | 11 | 465,823 | 617.80 | 0.96 |
| NRU-25 | 847 | 8 | 2,562 | 4.63 | 0.45 |
| NRU-26 | 483 | 1 | 484 | 23.33 | 0.02 |
| NRU-27 | 516 | 14 | 96,500 | 194.89 | 1.46 |
| OVE-12 | 585 | 3 | 23,161 | 39.59 | 0.29 |
| OVE-15 | 762 | 10 | 17,455 | 43.49 | 0.91 |
| PHA-13 | 1,053 | 11 | 40,661 | 39.59 | 0.19 |
| PHA-15 | 179 | 0 | 0 | 0 | 0.01 ⁵ |
| PHA-16 | 2,085 | 13 | 21,328 | 10.23 | 0.05 |
| PHA-17 | 703 | 7 | 26,488 | 37.68 | 0.59 |
| ROS-17 | 1,229 | 12 | 20,957 | 17.05 | 0.13 |
| SBE-22 | 415 | 0 | 0 | 5.80 | 0.03 ⁵ |
| SBE-23 | 121 | 0 | 0 | 15.76 | 0.80 ⁵ |
| SBE-25 | 530 | 3 | 2,929 | 15.08 | 0.07 |
| SBE-26 | 1,807 | 20 | 40,907 | 24.71 | 0.20 |
| SOM-13 | 1,175 | 2 | 223 | 0.38 | 0.00 |
| SOM-15 | 1,746 | 12 | 42,474 | 24.40 | 0.20 ⁴ |
| SOM-16 | 2,631 | 13 | 547,960 | 208.27 | 4.88 |
| SOM-17 | 1,711 | 18 | 232,384 | 135.89 | 1.24 |
| Scheduled Outages | | 127 | 779,876 | | |
| Unscheduled Outages | | 426 | 6,217,512 | | |
| Totals | 84,238 | 553 | 6,997,388 | | |

Notes

- 1 Figures exclude Major Event Day and Major Storm outages.
- 2 SAIDI are 2020 single year figures calculated using the IEEE 1366 method which excludes Major Event Day outage events.
SAIFI are 2020 single year figures which exclude 5% Exclusion Major Event Day outage events.
- 3 Includes one circuit outage resulting from substation bank outage.
- 4 Includes one circuit outage resulting from transmission line outage.
- 5 SAIDI & SAIFI figures greater than zero reflect inclusion of scheduled outages (including customer requested outages).

2020 OUTAGES FOR CIRCUITS SERVING BELLEVUE
EXCLUDING STORM OUTAGES

BY CAUSE

| CAUSE CODE | CAUSE DESCRIPTION | OUTAGES | | OUTAGE MINUTES | |
|------------|-----------------------------|---------|---------|----------------|---------|
| | | COUNT | PERCENT | COUNT | PERCENT |
| AC | ACCIDENT | 6 | 0.9% | 54,862 | 0.7% |
| BA | BIRD OR ANIMAL | 62 | 9.1% | 166,637 | 2.1% |
| CE | CUSTOMER EQUIPMENT | 4 | 0.6% | 25,601 | 0.3% |
| CP | CAR EQUIPMENT | 8 | 1.2% | 139,907 | 1.8% |
| DU | DIG UP UNDERGROUND | 18 | 2.6% | 775,284 | 10.0% |
| EF | EQUIPMENT FAILURE | 365 | 53.7% | 3,597,310 | 46.3% |
| FI | FAULTY INSTALLATION | 3 | 0.4% | 22,816 | 0.3% |
| LI | LIGHTNING | 1 | 0.1% | 356 | 0.0% |
| OD | OUTSIDE DISTURBANCE | 3 | 0.4% | 7,803 | 0.1% |
| OE | OUTAGE WHILE WORKING | 3 | 0.4% | 198,966 | 2.6% |
| SO | SCHEDULED OUTAGE | 127 | 18.7% | 779,876 | 10.0% |
| TV | TREE - RIGHT OF WAY UNKNOWN | 69 | 10.1% | 1,933,479 | 24.9% |
| UN | UNKNOWN CAUSE | 11 | 1.6% | 74,368 | 1.0% |
| Totals | | 680 | 100% | 7,777,264 | 100% |

BY EQUIPMENT

| EQUIP CODE | EQUIPMENT DESCRIPTION | OUTAGES | | OUTAGE MINUTES | |
|------------|---------------------------------------|---------|---------|----------------|---------|
| | | COUNT | PERCENT | COUNT | PERCENT |
| ACE | ALL CUSTOMER EQUIPMENT | 11 | 1.6% | 35,970 | 0.5% |
| DNO | DID NOT OPERATE | 1 | 0.1% | 325 | 0.0% |
| OAR | OVERHEAD ARRESTER | 4 | 0.6% | 80,602 | 1.0% |
| OCN | OVERHEAD SECONDARY CONNECTOR | 23 | 3.4% | 13,095 | 0.2% |
| OCO | OVERHEAD CONDUCTOR | 67 | 9.9% | 2,642,062 | 34.0% |
| OCR | OVERHEAD CROSSARM | 1 | 0.1% | 302 | 0.0% |
| OFC | OVERHEAD CUT-OUT | 20 | 2.9% | 47,877 | 0.6% |
| OFU | OVERHEAD LINE FUSE / FUSE LINK | 29 | 4.3% | 138,688 | 1.8% |
| OIN | OVERHEAD INSULATOR | 2 | 0.3% | 42,779 | 0.6% |
| OMP | OVERHEAD METER POINT (EDOM100) | 12 | 1.8% | 24,577 | 0.3% |
| OPO | OVERHEAD POLE (EDOP100) | 25 | 3.7% | 252,544 | 3.2% |
| OSV | OVERHEAD SERVICE | 22 | 3.2% | 4,771 | 0.1% |
| OTF | OVERHEAD TRANSFORMER FUSE | 50 | 7.4% | 22,888 | 0.3% |
| OTR | OVERHEAD TRANSFORMER | 39 | 5.7% | 108,513 | 1.4% |
| OUP | OVERHEAD TO UNDERGROUND | 1 | 0.1% | 23 | 0.0% |
| PED | DISCONNECT PEDESTAL | 1 | 0.1% | 2,388 | 0.0% |
| PMF | PADMOUNT SWITCH FUSE | 4 | 0.6% | 58,463 | 0.8% |
| PMP | PADMOUNT METER POINT (EDUM100) | 3 | 0.4% | 1,153 | 0.0% |
| UEL | UNDERGROUND ELBOW | 56 | 8.2% | 415,141 | 5.3% |
| UFJ | UNDERGROUND J-BOX | 20 | 2.9% | 270,120 | 3.5% |
| UGF | UNDERGROUND SUBMERSIBLE FUSE | 1 | 0.1% | 319 | 0.0% |
| UGV | UNDERGROUND VAULT | 4 | 0.6% | 290,642 | 3.7% |
| UHH | UNDERGROUND HANDHOLE - SECONDARY | 17 | 2.5% | 25,617 | 0.3% |
| UMP | UNDERGROUND SUBMERSIBLE METER POINT | 1 | 0.1% | 150 | 0.0% |
| UNK | UNDERGROUND UNKNOWN | 2 | 0.3% | 163 | 0.0% |
| UOT | UNDERGROUND OUTDOOR TERMINATION | 9 | 1.3% | 22,720 | 0.3% |
| UPC | UNDERGROUND PRIMARY CABLE | 83 | 12.2% | 2,537,716 | 32.6% |
| UPS | UNDERGROUND PADMOUNT SWITCH (EDUS100) | 8 | 1.2% | 370,215 | 4.8% |
| UPT | UNDERGROUND PADMOUNT TRANSFORMER | 13 | 1.9% | 142,994 | 1.8% |
| USC | UNDERGROUND SECONDARY CABLE | 29 | 4.3% | 22,792 | 0.3% |
| USE | UNDERGROUND SECONDARY CONNECTION | 2 | 0.3% | 7,104 | 0.1% |
| USV | UNDERGROUND SERVICE | 86 | 12.6% | 35,286 | 0.5% |
| UTC | UNDERGROUND TERMINAL FUSE | 9 | 1.3% | 5,589 | 0.1% |
| UTR | UNDERGROUND SUBMERSIBLE TRANSFORMER | 24 | 3.5% | 153,337 | 2.0% |
| (blank) | BLANK | 1 | 0.1% | 339 | 0.0% |
| Totals | | 680 | 100% | 7,777,264 | 100% |

CIRCUITS THAT EXCEED 2020 PSE SYSTEM SAIDI AND/OR SAIFI
SQI: SAIDI = 155 SAIFI = 1.30
PSE: SAIDI = 165 SAIFI = 1.24
BELLEVUE: SAIDI = 93 SAIFI = 0.92

*Notes: SAIDI figures reflect all non-med, scheduled & unscheduled
SAIFI figures reflect all non-storm outages, scheduled & unscheduled*

| CIRCUIT | SAIDI | SAIFI | 2020 Events Comments | Actions & Projects Completed in 2020 | Planned Actions & Projects |
|--|-------|-------|---|---|--|
| Circuits with planned actions or investigations | | | | | |
| BTR-21 | 192.5 | 2.54 | One transmission line event and three events in the underground distribution circuit along NE 40th ST contributed to both SAIDI and SAIFI. | Repairs were made and power restored. | An underground feeder cable replacement project is in development. |
| BTR-22 | 146.3 | 1.75 | One transmission line event and two tree contact events in overhead distribution lines contributed 1.2 to SAIFI. | Overhead conductors were repaired. | Construction of a distribution underground conversion project between 132nd AVE NE and 140th AVE NE is pending receipt of required easement(s). A distribution underground conversion project is proposed for the system on 132 AVE NE along Bridle Trails State Park. |
| EGT-12 | 117.8 | 1.95 | One transmission line event contributed 1.0 to SAIFI. | Repairs were made and power restored. | A Distribution Automation Project is scheduled to begin construction in 3rd quarter 2021. |
| Circuits with completed 2020 actions - no additional corrective action needed | | | | | |
| BTR-23 | 73.3 | 2.13 | One transmission line event and an event in underground distribution contributed 2.0 to SAIFI. | Repairs were made and power restored. | |
| CEN-11 | 344.8 | 1.00 | Two outage events, one with multiple restoration requirements (including accommodation of a customer request which extended the outage duration), contributed 294 to SAIDI. | Underground cables were replaced. | |
| CEN-25 | 365.8 | 2.28 | Two outage events involving switchgear in underground distribution feeder contributed to both SAIDI and SAIFI. | Switchgear was replaced in one event and repaired in the second. | |
| COL-23 | 165.5 | 1.15 | One outage event involving underground cables contributed 104 to SAIDI. | Underground cables were replaced. | |
| EGT-11 | 109.0 | 1.46 | One transmission line event contributed 1.0 to SAIFI. | Tree was removed and power restored. | |
| EGT-15 | 406.2 | 3.31 | One transmission line event and two tree contact events in overhead distribution lines contributed to both SAIDI & SAIFI. | Trees were removed and power restored. | |
| EGT-25 | 388.7 | 2.20 | One transmission line event contributed 1.0 to SAIFI. | Tree was removed and power restored. | |
| FAC-25 | 96.0 | 1.45 | One outage event involving tree limbs in overhead distribution feeder contributed 1.0 to SAIFI. | Limbs were removed and trimmed and power restored. | |
| GOO-13 | 268.0 | 3.03 | One transmission line event and a tree in overhead distribution feeder contributed to both SAIDI and SAIFI. | Trees were removed and power restored. | |
| GOO-21 | 189.6 | 2.20 | One transmission line event contributed 1.0 to SAIFI. During crew work the distribution circuit a problem was encountered and the circuit was deenergized for safety which contributed to both SAIDI & SAIFI. | Trees were removed and power restored. | |
| KWH-25 | 58.9 | 1.43 | One outage event involving a tree in overhead distribution feeder contributed 1.0 to SAIFI. | Overhead conductors were repaired. | |
| LHL-23 | 378.6 | 1.77 | One outage event involving construction damage to underground distribution feeder resulted in a substation outage and contributed to both SAIDI & SAIFI. | Equipment was repaired or replaced and substation equipment was tested prior to returning to service. | |
| LHL-25 | 131.2 | 1.52 | One outage event involving construction damage to underground distribution feeder resulted in a substation outage and contributed 1.0 to SAIFI. | Equipment was repaired or replaced and substation equipment was tested prior to returning to service. | |
| LOC-33 | 363.6 | 1.22 | One outage event involving construction damage to underground distribution feeder resulted in a circuit outage and contributed 1.0 to SAIDI. | Underground cables were replaced after conduit was repaired. | |
| MLK-15 | 227.7 | 1.42 | One outage event involving a splice failure in underground distribution feeder contributed to both SAIDI & SAIFI. | Underground cables were repaired. | |
| NOB-24 | 130.6 | 2.10 | One outage event involving failed switchgear and a second switchgear malfunction contributed 2.0 to SAIFI. | The failed switchgear was replaced. | |
| NRU-23 | 617.8 | 0.96 | One outage event involving failed underground feeder cables contributed 608 to SAIDI. | Underground cables were replaced. | |
| NRU-27 | 194.9 | 1.46 | One outage event involving an animal in overhead distribution conductor contributed to both SAIDI & SAIFI. | Equipment was repaired. | |
| SOM-16 | 208.3 | 4.88 | One outage event involving a tree in overhead distribution feeder and three events involving underground cables and equipment contributed to both SAIDI & SAIFI. | Overhead conductors were repaired and underground cables and equipment replaced. | |
| Circuits for which no corrective action is needed | | | | | |
| ARD-15 | 162.8 | 0.83 | Three scheduled outage events contributed 85 to SAIDI. | | |

- Figure exceeded PSE system wide average figure
- Figure exceeding system wide average and Service Quality Index
- SAIFI figure results in part from circuit outages due to transmission or substation outage

**CIRCUITS THAT EXCEEDED PSE SYSTEM SAIDI OR SAIFI
2016 - 2020**

During the five year period 2016-2020 these circuits serving customers in Bellevue performed below PSE's average system wide performance in one or more years. Of these circuits...

- 29 (40%) circuits performed below system wide performance once in five years
- 23 (32%) circuits performed below system wide performance twice in five years
- 13 (18%) circuits performed below system wide performance in three of the five years
- 6 (8%) circuits performed below system wide performance in four of the five years
- 1 (1%) circuit performed below system wide performance in five of the five years

| CIRCUIT | Repeat Counts | | | | | 1 | 2 | 3 | 4 | 5 |
|---------|---------------|------|------|------|------|---|---|---|---|---|
| | 2016 | 2017 | 2018 | 2019 | 2020 | | | | | |
| ARD-11 | | | | | | | 2 | | | |
| ARD-13 | | | 1 | | | 1 | | | | |
| ARD-15 | | | 1 | | | | | 3 | | |
| BTR-21 | | | | | | | 2 | | | |
| BTR-22 | | | | | | | 2 | | | |
| BTR-23 | | | | | | 1 | | | | |
| CEN-11 | | | | | | | | 3 | | |
| CEN-22 | | | | | | 1 | | | | |
| CEN-25 | | | | | | 1 | | | | |
| CLY-22 | | | | | | 1 | | | | |
| CLY-23 | | | | | | | 2 | | | |
| CLY-25 | | | | | | 1 | | | | |
| CLY-26 | | | | | | 1 | | | | |
| CLY-27 | | | | | | | 2 | | | |
| COL-22 | | | | | | 1 | | | | |
| COL-23 | | | | | | | | 3 | | |
| COL-24 | | | | | | 1 | | | | |
| COL-25 | | | | | | 1 | | | | |
| COL-26 | | | | | | | 2 | | | |
| EGT-11 | | | | | | | | 3 | | |
| EGT-12 | | | 1 | | | | | | 4 | |
| EGT-13 | | | | | | 1 | | | | |
| EGT-15 | | | | | | | 2 | | | |
| EGT-16 | | | | | | 1 | | | | |
| EGT-25 | | | | | | | | 3 | | |
| EGT-26 | | | | | | 1 | | | | |
| EGT-28 | | | | | | | 2 | | | |
| EVE-23 | | | | | | | 2 | | | |
| FAC-12 | | | | | | 1 | | | | |
| FAC-13 | | | | | | 1 | | | | |
| FAC-24 | | | | | | 1 | | | | |
| FAC-25 | | | | | | 1 | | | | |
| GOO-13 | | | | | | | 2 | | | |
| GOO-21 | | | | | | | 2 | | | |
| HAZ-12 | | | | | | 1 | | | | |
| HAZ-13 | | | | | | 1 | | | | |
| HOU-23 | | | | | | | 2 | | | |
| HOU-25 | | | 1 | | | | | | 4 | |
| KWH-22 | | | 1 | | | | 2 | | | |
| KWH-23 | | | | | | | 2 | | | |
| KWH-25 | | | | | | | | | 4 | |
| KWH-26 | | | 1 | | | | | 3 | | |

| | | | | | | | | | | |
|--------|------|------|------|------|------|-----|-----|-----|----|----|
| LHL-23 | | | 1 | | | 2 | | | | |
| LHL-25 | | | 1 | | | | | 4 | | |
| LOC-22 | | | 1 | | | 2 | | | | |
| LOC-32 | | | | | | 1 | | | | |
| LOC-33 | | | | | | 2 | | | | |
| MED-35 | | | | | | 2 | | | | |
| MED-36 | | | | | | 2 | | | | |
| MLK-13 | | | 1 | | | 2 | | | | |
| MLK-15 | | | 1 | | | | | 3 | | |
| NOB-11 | | | 1 | | | 1 | | | | |
| NOB-14 | | | | | | 1 | | | | |
| NOB-21 | | | | | | 1 | | | | |
| NOB-24 | | | 1 | | | | | 3 | | |
| NRU-23 | | | | | | 2 | | | | |
| NRU-26 | | | | | | 1 | | | | |
| NRU-27 | | | 1 | | | | | 5 | | |
| OVE-12 | | | 1 | | | 2 | | | | |
| OVE-15 | | | | | | | | 3 | | |
| PHA-13 | | | 1 | | | | | 3 | | |
| PHA-15 | | | 1 | | | 1 | | | | |
| PHA-16 | | | 1 | | | | | 3 | | |
| PHA-17 | | | 1 | | | 2 | | | | |
| ROS-17 | | | 1 | | | 1 | | | | |
| SBE-22 | | | 1 | | | | | 4 | | |
| SBE-23 | | | 1 | | | | | 3 | | |
| SBE-26 | | | | | | 1 | | | | |
| SOM-13 | | | 1 | | | 1 | | | | |
| SOM-15 | | | 1 | | | 1 | | | | |
| SOM-16 | | | 1 | | | | | 4 | | |
| SOM-17 | | | 1 | | | | | 3 | | |
| Totals | 22 | 33 | 26 | 39 | 23 | 29 | 23 | 13 | 6 | 1 |
| | 2016 | 2017 | 2018 | 2019 | 2020 | 40% | 32% | 18% | 8% | 1% |

2020 OUTAGES FOR CIRCUITS SERVING BELLEVUE

| DATE | CIRCUIT | CAUSE | EQUIPMENT | CUSTOMERS OUT | CUSTOMER MINUTES | STORM CODE |
|------------|---------|-----------------|-----------|------------------|---------------------|---------------|
| 3/21/2020 | ARD-11 | EF | OMP | 1 | 87 | NON |
| 4/17/2020 | ARD-13 | SO | OPO | 5 | 938 | NON |
| 5/26/2020 | ARD-13 | SO | UEL | 34 | 1,648 | NON |
| 6/11/2020 | ARD-13 | EF | USV | 1 | 107 | NON |
| 11/24/2020 | ARD-13 | SO | ACE | 2 | 245 | NON |
| 10/2/2020 | ARD-14 | EF | UPC | 87 | 20,026 | NON |
| 10/29/2020 | ARD-14 | EF | UPC | 22 | 2,401 | NON |
| 11/6/2020 | ARD-14 | EF | UFJ | 28 | 3,843 | NON |
| 1/19/2020 | ARD-15 | EF | UTR | 11 | 2,842 | NON |
| 3/25/2020 | ARD-15 | EF | UTR | 1 | 84 | NON |
| 6/8/2020 | ARD-15 | DU | UPC | 85 | 2,822 | NON |
| 6/26/2020 | ARD-15 | UN | UFJ | 123 | 33,857 | NON |
| 7/20/2020 | ARD-15 | EF | UFJ | 31 | 1,209 | NON |
| 7/26/2020 | ARD-15 | EF | UTR | 111 | 31,920 | NON |
| 8/18/2020 | ARD-15 | SO | UEL | 474 | 118,307 | NON |
| 8/18/2020 | ARD-15 | EF | UTR | 278 | 47,875 | NON |
| 8/18/2020 | ARD-15 | EF | UTR | 22 | 1,857 | NON |
| 9/24/2020 | ARD-15 | EF | UTR | 8 | 3,069 | NON |
| 9/30/2020 | ARD-15 | SO | UEL | 2 | 588 | NON |
| 10/5/2020 | ARD-15 | SO | UEL | 192 | 18,268 | NON |
| 12/13/2020 | ARD-15 | EF | UHH | 1 | 97 | NON |
| 7/31/2020 | ARD-43 | SO | UPC | 454 | 69,061 | NON |
| 5/9/2020 | BTR-14 | ¹ EF | OCO | 1,135 | 18,463 | NON |
| 5/9/2020 | BTR-21 | ¹ EF | OCO | 1,139 | 18,528 | NON |
| 7/1/2020 | BTR-21 | EF | UPC | 5 | 2,334 | NON |
| 7/22/2020 | BTR-21 | EF | UFJ | 141 | 39,261 | NON |
| 7/22/2020 | BTR-21 | EF | UFJ | 1,134 | 8,108 | NON |
| 8/3/2020 | BTR-21 | EF | UPC | 320 | 101,894 | NON |
| 9/27/2020 | BTR-21 | EF | UPC | 142 | 42,507 | NON |
| 10/14/2020 | BTR-21 | EF | UPC | 5 | 6,048 | NMJ |
| 5/9/2020 | BTR-22 | ¹ EF | OCO | 687 | 11,175 | NON |
| 5/11/2020 | BTR-22 | CP | OCO | 14 | 2,880 | NON |
| 6/4/2020 | BTR-22 | EF | OTF | 6 | 708 | NON |
| 7/22/2020 | BTR-22 | EF | OTR | 7 | 1,962 | NON |
| 8/17/2020 | BTR-22 | EF | OSV | 1 | 155 | NON |
| 9/8/2020 | BTR-22 | TV | OCO | 185 | 21,290 | MEJ |
| 10/8/2020 | BTR-22 | BA | UPS | 129 | 11,864 | NON |
| 10/13/2020 | BTR-22 | TV | OCO | 1,143 | 459,016 | MEJ |
| 10/30/2020 | BTR-22 | TV | OCO | 236 | 40,796 | NON |
| 12/15/2020 | BTR-22 | TV | OSV | 1 | 130 | NON |
| 12/24/2020 | BTR-22 | EF | OCO | 117 | 30,256 | NON |
| 5/9/2020 | BTR-23 | ¹ EF | OCO | 644 | 10,476 | NON |
| 7/22/2020 | BTR-23 | EF | UFJ | 644 | 4,605 | NON |

| | | | | | | |
|------------|--------|-----------------|-----|-------|---------|-----|
| 9/3/2020 | BTR-23 | SO | UEL | 14 | 4,285 | NON |
| 9/4/2020 | BTR-23 | SO | UEL | 25 | 12,900 | NON |
| 9/14/2020 | BTR-23 | SO | UEL | 12 | 4,186 | NON |
| 9/15/2020 | BTR-23 | SO | UEL | 12 | 4,584 | NON |
| 9/17/2020 | BTR-23 | SO | UEL | 15 | 6,035 | NON |
| 7/7/2020 | CEN-11 | EF | UPC | 2 | 1,221 | NON |
| 7/19/2020 | CEN-11 | EF | OFC | 11 | 3,304 | NON |
| 7/20/2020 | CEN-11 | EF | OFC | 11 | 3,750 | NON |
| 2/9/2020 | CEN-12 | SO | ACE | 7 | 3,002 | NON |
| 6/27/2020 | CEN-12 | SO | UEL | 4 | 8,029 | NON |
| 5/2/2020 | CEN-22 | SO | UNK | 1 | 34 | NON |
| 5/2/2020 | CEN-22 | SO | UNK | 6 | 129 | NON |
| 5/27/2020 | CEN-25 | EF | UPS | 964 | 139,298 | NON |
| 5/29/2020 | CEN-25 | SO | UEL | 212 | 79,235 | NON |
| 9/13/2020 | CEN-25 | EF | UPC | 1,022 | 134,481 | NON |
| 2/17/2020 | CLY-23 | DU | USV | 1 | 203 | NON |
| 3/20/2020 | CLY-23 | EF | OMP | 1 | 71 | NON |
| 6/28/2020 | CLY-23 | TV | OCO | 39 | 4,922 | NON |
| 7/16/2020 | CLY-23 | SO | OCO | 3 | 727 | NON |
| 8/1/2020 | CLY-23 | BA | OTF | 3 | 218 | NON |
| 8/29/2020 | CLY-23 | EF | UPC | 16 | 4,633 | NON |
| 8/31/2020 | CLY-23 | TV | OFC | 47 | 4,530 | NON |
| 9/11/2020 | CLY-23 | EF | OTR | 1 | 301 | NON |
| 11/3/2020 | CLY-23 | TV | OTF | 2 | 267 | NON |
| 6/2/2020 | CLY-25 | EF | OTR | 14 | 1,105 | NON |
| 1/11/2020 | CLY-26 | SO | UFJ | 6 | 3,153 | NON |
| 4/22/2020 | CLY-26 | BA | OTR | 4 | 2,484 | NON |
| 6/23/2020 | CLY-26 | TV | OCO | 79 | 8,517 | NON |
| 6/27/2020 | CLY-26 | EF | UTR | 19 | 4,829 | NON |
| 9/25/2020 | CLY-26 | AC | OSV | 1 | 130 | NON |
| 10/24/2020 | CLY-26 | SO | UEL | 6 | 138 | NON |
| 12/26/2020 | CLY-26 | EF | OCN | 1 | 184 | NON |
| 6/21/2020 | CLY-27 | BA | OFU | 21 | 1,438 | NON |
| 10/6/2020 | CLY-27 | EF | OSV | 1 | 130 | NON |
| 11/16/2020 | CLY-27 | EF | OCN | 1 | 161 | NON |
| 10/13/2020 | COL-22 | ³ TV | OCO | 1 | 81 | MEJ |
| 3/6/2020 | COL-23 | EF | UPC | 69 | 18,347 | NON |
| 4/16/2020 | COL-23 | EF | UPC | 3 | 1,103 | NON |
| 5/25/2020 | COL-23 | EF | UPC | 87 | 2,882 | NON |
| 5/25/2020 | COL-23 | EF | UPC | 1 | 74 | NON |
| 10/13/2020 | COL-23 | ³ TV | OCO | 70 | 5,697 | MEJ |
| 11/7/2020 | COL-23 | SO | ACE | 3 | 1,089 | NON |
| 10/13/2020 | COL-24 | ³ TV | OCO | 19 | 1,546 | MEJ |
| 5/18/2020 | COL-25 | EF | USV | 1 | 271 | NON |
| 1/1/2020 | COL-26 | EF | OTF | 6 | 559 | NON |
| 4/7/2020 | COL-26 | EF | UHH | 1 | 343 | NON |
| 6/28/2020 | COL-26 | BA | OTF | 4 | 165 | NON |

| | | | | | | |
|------------|--------|-----------------|-----|-------|---------|-----|
| 7/6/2020 | COL-26 | BA | OFU | 7 | 85 | NON |
| 8/5/2020 | COL-26 | TV | OSV | 1 | 452 | NON |
| 8/20/2020 | COL-26 | BA | OTR | 17 | 1,529 | NON |
| 9/8/2020 | COL-26 | BA | OCO | 17 | 757 | MEJ |
| 10/16/2020 | COL-26 | SO | OFC | 5 | 695 | NON |
| 10/16/2020 | COL-26 | EF | OTR | 3 | 870 | NON |
| 1/1/2020 | EGT-11 | LI | OTR | 1 | 356 | NON |
| 2/7/2020 | EGT-11 | TV | OFU | 5 | 3,063 | MEN |
| 2/9/2020 | EGT-11 | EF | UOT | 17 | 10,564 | NON |
| 3/18/2020 | EGT-11 | EF | OTR | 11 | 3,497 | NON |
| 5/30/2020 | EGT-11 | TV | OCO | 87 | 7,840 | NON |
| 6/7/2020 | EGT-11 | EF | UPC | 76 | 6,768 | NON |
| 6/8/2020 | EGT-11 | EF | OTF | 1 | 91 | NON |
| 6/30/2020 | EGT-11 | BA | OFU | 105 | 7,117 | NON |
| 8/1/2020 | EGT-11 | EF | UPC | 33 | 5,451 | NON |
| 8/21/2020 | EGT-11 | EF | UPT | 35 | 13,805 | NON |
| 9/5/2020 | EGT-11 | EF | OTF | 1 | 48 | NON |
| 10/13/2020 | EGT-11 | ³ TV | OCO | 1,221 | 99,369 | MEJ |
| 11/9/2020 | EGT-11 | DU | USV | 1 | 47 | NON |
| 12/11/2020 | EGT-11 | SO | UEL | 1 | 217 | NON |
| 12/28/2020 | EGT-11 | EF | UPC | 190 | 22,421 | NON |
| 12/30/2020 | EGT-11 | ³ TV | OCO | 1,221 | 54,945 | NON |
| 1/10/2020 | EGT-12 | SO | OTR | 4 | 1,566 | NON |
| 2/5/2020 | EGT-12 | OE | OCO | 2,562 | 173,615 | NON |
| 2/8/2020 | EGT-12 | TV | OSV | 1 | 393 | NON |
| 2/9/2020 | EGT-12 | TV | OCN | 1 | 133 | NON |
| 7/29/2020 | EGT-12 | BA | OFU | 2 | 255 | NON |
| 8/17/2020 | EGT-12 | EF | USV | 1 | 189 | NON |
| 8/29/2020 | EGT-12 | EF | USV | 1 | 247 | NON |
| 8/30/2020 | EGT-12 | BA | OTF | 5 | 488 | NON |
| 9/9/2020 | EGT-12 | EF | UPT | 81 | 10,751 | NMJ |
| 9/22/2020 | EGT-12 | TV | OSV | 1 | 313 | NON |
| 10/3/2020 | EGT-12 | EF | OTF | 2 | 251 | NON |
| 10/13/2020 | EGT-12 | ³ TV | OCO | 2,359 | 191,982 | MEJ |
| 10/13/2020 | EGT-12 | TV | OCO | 1,228 | 384,870 | MEJ |
| 10/13/2020 | EGT-12 | TV | OCO | 2,362 | 333,791 | MEJ |
| 11/20/2020 | EGT-12 | SO | OPO | 8 | 793 | NON |
| 11/23/2020 | EGT-12 | SO | OPO | 7 | 2,640 | NON |
| 12/8/2020 | EGT-12 | EF | OTR | 8 | 2,937 | NON |
| 12/10/2020 | EGT-12 | SO | OFC | 5 | 253 | NON |
| 12/12/2020 | EGT-12 | EF | OCN | 8 | 772 | NON |
| 12/21/2020 | EGT-12 | EF | UOT | 17 | 19,210 | MEN |
| 12/30/2020 | EGT-12 | ³ TV | OCO | 2,361 | 106,245 | NON |
| 10/13/2020 | EGT-13 | ³ TV | OCO | 7 | 570 | MEJ |
| 12/30/2020 | EGT-13 | ³ TV | OCO | 7 | 315 | NON |
| 1/6/2020 | EGT-15 | TV | OCO | 271 | 20,131 | NON |
| 1/27/2020 | EGT-15 | SO | OTF | 1 | 59 | NON |

| | | | | | | |
|------------|--------|-----------------|-----|-------|---------|-----|
| 1/27/2020 | EGT-15 | SO | OTF | 3 | 172 | NON |
| 2/7/2020 | EGT-15 | FI | OMP | 1 | 99 | MEN |
| 6/13/2020 | EGT-15 | TV | OCO | 109 | 13,965 | NON |
| 6/27/2020 | EGT-15 | SO | OPO | 5 | 1,130 | NON |
| 9/24/2020 | EGT-15 | EF | OPO | 236 | 62,121 | NON |
| 10/13/2020 | EGT-15 | ³ TV | OCO | 269 | 21,892 | MEJ |
| 10/13/2020 | EGT-15 | TV | OCO | 2,006 | 226,778 | MEJ |
| 12/30/2020 | EGT-15 | ³ TV | OCO | 269 | 12,105 | NON |
| 2/7/2020 | EGT-16 | TV | OTF | 8 | 4,716 | MEN |
| 2/7/2020 | EGT-16 | TV | OSV | 1 | 579 | MEN |
| 5/21/2020 | EGT-16 | EF | UHH | 1 | 168 | NON |
| 6/4/2020 | EGT-16 | BA | OTF | 5 | 414 | NON |
| 7/24/2020 | EGT-16 | BA | UPS | 30 | 532 | NON |
| 10/13/2020 | EGT-16 | ³ TV | OCO | 518 | 42,156 | MEJ |
| 10/13/2020 | EGT-16 | TV | OCO | 575 | 83,806 | MEJ |
| 12/30/2020 | EGT-16 | ³ TV | OCO | 519 | 23,355 | NON |
| 1/6/2020 | EGT-25 | SO | OPO | 38 | 2,413 | NON |
| 2/5/2020 | EGT-25 | EF | OMP | 1 | 132 | NON |
| 2/13/2020 | EGT-25 | SO | OPO | 67 | 28,170 | NON |
| 4/22/2020 | EGT-25 | DU | USC | 8 | 4,170 | NON |
| 10/12/2020 | EGT-25 | TV | OCO | 737 | 212,719 | NON |
| 10/13/2020 | EGT-25 | ³ TV | OCO | 737 | 59,979 | MEJ |
| 11/28/2020 | EGT-25 | CP | OPO | 6 | 345 | NON |
| 12/10/2020 | EGT-25 | EF | OCO | 20 | 1,655 | NON |
| 12/14/2020 | EGT-25 | EF | USV | 1 | 121 | NON |
| 12/22/2020 | EGT-25 | EF | OTR | 4 | 3,594 | NON |
| 12/30/2020 | EGT-25 | ³ TV | OCO | 737 | 33,165 | NON |
| 10/13/2020 | EGT-26 | ³ TV | OCO | 26 | 2,116 | MEJ |
| 12/30/2020 | EGT-26 | ³ TV | OCO | 26 | 1,170 | NON |
| 2/7/2020 | EGT-27 | TV | OSV | 32 | 25,298 | MEN |
| 2/7/2020 | EGT-27 | TV | OFU | 22 | 18,437 | MEN |
| 2/7/2020 | EGT-27 | TV | OSV | 5 | 5,246 | MEN |
| 2/23/2020 | EGT-27 | TV | OSV | 1 | 471 | MEN |
| 6/4/2020 | EGT-27 | EF | OMP | 1 | 98 | NON |
| 7/18/2020 | EGT-27 | BA | OTF | 7 | 829 | NON |
| 8/6/2020 | EGT-27 | EF | OTR | 11 | 1,359 | NON |
| 10/13/2020 | EGT-27 | ³ TV | OCO | 604 | 49,155 | MEJ |
| 12/30/2020 | EGT-27 | ³ TV | OCO | 604 | 27,180 | NON |
| 1/9/2020 | EGT-28 | EF | OCN | 1 | 98 | NON |
| 1/30/2020 | EGT-28 | EF | USV | 1 | 239 | NON |
| 2/7/2020 | EGT-28 | TV | OCO | 101 | 42,637 | MEN |
| 2/12/2020 | EGT-28 | EF | USV | 1 | 152 | NON |
| 3/1/2020 | EGT-28 | EF | UHH | 1 | 524 | NON |
| 3/6/2020 | EGT-28 | EF | USC | 1 | 336 | NON |
| 3/15/2020 | EGT-28 | EF | USC | 7 | 3,684 | NON |
| 7/2/2020 | EGT-28 | EF | OSV | 1 | 150 | NON |
| 7/2/2020 | EGT-28 | EF | USC | 1 | 503 | NON |

| | | | | | | |
|------------|--------|-----------------|-----|-------|---------|-----|
| 10/6/2020 | EGT-28 | EF | OCN | 1 | 116 | NON |
| 10/6/2020 | EGT-28 | EF | USV | 1 | 87 | NON |
| 10/7/2020 | EGT-28 | EF | USC | 1 | 570 | NON |
| 10/7/2020 | EGT-28 | EF | USV | 1 | 22 | NON |
| 10/13/2020 | EGT-28 | ³ TV | OCO | 1,773 | 144,292 | MEJ |
| 10/18/2020 | EGT-28 | CE | UHH | 7 | 2,233 | NON |
| 10/30/2020 | EGT-28 | EF | UPC | 195 | 31,002 | NON |
| 11/2/2020 | EGT-28 | EF | OTR | 3 | 790 | NON |
| 11/11/2020 | EGT-28 | EF | USV | 1 | 243 | NON |
| 12/25/2020 | EGT-28 | EF | UHH | 7 | 2,370 | NON |
| 12/30/2020 | EGT-28 | ³ TV | OCO | 1,775 | 79,875 | NON |
| 1/14/2020 | EVE-23 | CP | UPT | 7 | 2,019 | NMJ |
| 1/15/2020 | EVE-23 | EF | USV | 1 | 173 | MEJ |
| 2/1/2020 | EVE-23 | EF | USC | 1 | 203 | MEJ |
| 3/9/2020 | EVE-23 | DU | USV | 1 | 238 | NON |
| 3/17/2020 | EVE-23 | SO | UHH | 13 | 1,956 | NON |
| 3/29/2020 | EVE-23 | CP | UPC | 108 | 10,633 | NON |
| 4/23/2020 | EVE-23 | EF | USV | 5 | 920 | NON |
| 4/25/2020 | EVE-23 | EF | USV | 1 | 165 | NON |
| 5/4/2020 | EVE-23 | BA | OSV | 1 | 103 | NON |
| 5/30/2020 | EVE-23 | EF | UPC | 73 | 32,824 | NON |
| 5/30/2020 | EVE-23 | EF | OTF | 5 | 628 | NON |
| 6/19/2020 | EVE-23 | OE | OFU | 782 | 11,730 | NON |
| 8/13/2020 | EVE-23 | EF | OCO | 198 | 49,167 | NON |
| 8/24/2020 | EVE-23 | SO | OTR | 3 | 247 | NON |
| 9/15/2020 | EVE-23 | BA | UOT | 1 | 172 | NON |
| 10/10/2020 | EVE-23 | TV | OCO | 199 | 83,411 | NON |
| 10/13/2020 | EVE-23 | TV | OFC | 138 | 137,248 | MEJ |
| 10/19/2020 | EVE-23 | EF | OTR | 1 | 2 | NON |
| 10/19/2020 | EVE-23 | EF | OTR | 11 | 2,913 | NON |
| 11/21/2020 | EVE-23 | EF | USV | 1 | 83 | NON |
| 12/9/2020 | EVE-23 | UN | OTF | 5 | 715 | NON |
| 12/22/2020 | EVE-23 | EF | OTF | 1 | 100 | NON |
| 1/4/2020 | FAC-12 | UN | USV | 1 | 692 | NON |
| 1/31/2020 | FAC-12 | EF | USV | 1 | 154 | MEN |
| 2/20/2020 | FAC-12 | EF | USC | 7 | 1,849 | NON |
| 3/16/2020 | FAC-12 | EF | USC | 1 | 139 | NON |
| 4/4/2020 | FAC-12 | EF | USC | 1 | 181 | NON |
| 5/15/2020 | FAC-12 | EF | USV | 1 | 82 | NON |
| 5/19/2020 | FAC-12 | EF | USV | 1 | 163 | NON |
| 5/26/2020 | FAC-12 | BA | OTF | 2 | 241 | NON |
| 5/30/2020 | FAC-12 | BA | OFU | 126 | 12,075 | NON |
| 6/1/2020 | FAC-12 | EF | USV | 1 | 79 | NON |
| 6/18/2020 | FAC-12 | EF | USV | 1 | 70 | NON |
| 7/21/2020 | FAC-12 | EF | UHH | 8 | 2,076 | NON |
| 7/31/2020 | FAC-12 | BA | OFC | 32 | 3,276 | NON |
| 8/11/2020 | FAC-12 | UN | OTF | 10 | 1,516 | NON |

| | | | | | | |
|------------|--------|-----------------|-----|-------|-----------|-----|
| 10/22/2020 | FAC-12 | EF | USC | 4 | 1,544 | NON |
| 10/23/2020 | FAC-12 | EF | USC | 3 | 669 | NON |
| 11/8/2020 | FAC-12 | EF | USV | 1 | 183 | NON |
| 11/10/2020 | FAC-12 | EF | UEL | 8 | 553 | NON |
| 11/17/2020 | FAC-12 | EF | USV | 1 | 149 | NON |
| 11/17/2020 | FAC-12 | EF | USV | 0 | 1,411 | NON |
| 11/17/2020 | FAC-12 | EF | USV | 8 | 5,453 | NON |
| 11/18/2020 | FAC-12 | EF | OSV | 1 | 212 | NON |
| 11/22/2020 | FAC-12 | EF | USV | 1 | 176 | NON |
| 11/23/2020 | FAC-12 | EF | USV | 8 | 2,891 | NON |
| 12/12/2020 | FAC-12 | EF | OTR | 11 | 969 | NON |
| 6/20/2020 | FAC-13 | SO | UEL | 2 | 258 | NON |
| 7/2/2020 | FAC-14 | EF | OFC | 24 | 3,432 | NON |
| 10/13/2020 | FAC-14 | TV | OCO | 3,922 | 1,549,853 | MEJ |
| 10/13/2020 | FAC-14 | TV | OCO | 3,150 | 534,609 | MEJ |
| 5/16/2020 | FAC-23 | SO | UOT | 1 | 112 | NON |
| 8/24/2020 | FAC-23 | SO | USV | 2 | 63 | NON |
| 8/29/2020 | FAC-23 | SO | UEL | 3 | 933 | NON |
| 5/27/2020 | FAC-24 | EF | UHH | 34 | 8,882 | NON |
| 8/8/2020 | FAC-24 | SO | UEL | 1 | 273 | NON |
| 10/31/2020 | FAC-24 | SO | ACE | 2 | 600 | NON |
| 11/14/2020 | FAC-24 | SO | UEL | 1 | 95 | NON |
| 1/16/2020 | FAC-25 | EF | OCN | 1 | 485 | NMJ |
| 6/7/2020 | FAC-25 | EF | UTR | 41 | 2,076 | NON |
| 7/16/2020 | FAC-25 | EF | UEL | 1 | 179 | NON |
| 7/16/2020 | FAC-25 | EF | UEL | 53 | 5,092 | NON |
| 7/19/2020 | FAC-25 | BA | UOT | 1 | 91 | NON |
| 10/21/2020 | FAC-25 | TV | OCO | 1,487 | 75,937 | NON |
| 11/14/2020 | FAC-25 | EF | UPC | 35 | 6,698 | NON |
| 11/18/2020 | FAC-25 | EF | USV | 1 | 108 | NON |
| 12/8/2020 | FAC-25 | EF | PMF | 243 | 34,449 | NON |
| 12/8/2020 | FAC-25 | TV | OCO | 263 | 17,160 | NON |
| 12/9/2020 | FAC-25 | EF | OMP | 1 | 304 | NON |
| 12/9/2020 | FAC-25 | EF | OMP | 1 | 156 | NON |
| 12/21/2020 | FAC-25 | EF | UTR | 27 | 11,105 | MEN |
| 2/16/2020 | GOO-13 | OD | ACE | 41 | 2,349 | NON |
| 2/16/2020 | GOO-13 | OD | ACE | 41 | 4,697 | NON |
| 3/7/2020 | GOO-13 | EF | USC | 1 | 952 | NON |
| 9/24/2020 | GOO-13 | TV | OCO | 2 | 389 | NON |
| 10/10/2020 | GOO-13 | TV | OCO | 2,243 | 272,344 | NON |
| 10/12/2020 | GOO-13 | TV | OCO | 2,218 | 218,769 | NON |
| 12/30/2020 | GOO-13 | ³ TV | OCO | 2,247 | 101,115 | NON |
| 2/5/2020 | GOO-21 | OE | OCO | 201 | 13,621 | NON |
| 2/23/2020 | GOO-21 | TV | OCO | 8 | 5,706 | MEN |
| 5/11/2020 | GOO-21 | BA | OTF | 2 | 240 | NON |
| 6/1/2020 | GOO-21 | BA | OTF | 2 | 262 | NON |
| 6/4/2020 | GOO-21 | SO | UEL | 3 | 381 | NON |

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|------------|--------|-----------------|-----|-------|---------|-----|
| 6/10/2020 | GOO-21 | TV | OCO | 8 | 6,242 | NON |
| 7/12/2020 | GOO-21 | BA | OFC | 19 | 2,749 | NON |
| 7/18/2020 | GOO-21 | BA | OTF | 6 | 571 | NON |
| 8/28/2020 | GOO-21 | EF | USC | 1 | 147 | NON |
| 9/4/2020 | GOO-21 | EF | UHH | 3 | 514 | NON |
| 9/23/2020 | GOO-21 | TV | OCO | 14 | 1,224 | NON |
| 10/13/2020 | GOO-21 | TV | OPO | 4 | 2,879 | MEJ |
| 11/4/2020 | GOO-21 | TV | OCO | 6 | 3,518 | NON |
| 12/5/2020 | GOO-21 | TV | OFU | 7 | 3,733 | NON |
| 12/22/2020 | GOO-21 | EF | UPC | 21 | 15,005 | NON |
| 12/23/2020 | GOO-21 | EF | UPC | 5 | 3,921 | NON |
| 12/24/2020 | GOO-21 | FI | UEL | 5 | 572 | NON |
| 12/30/2020 | GOO-21 | ³ TV | OCO | 628 | 28,260 | NON |
| 1/30/2020 | HAZ-12 | FI | USV | 1 | 95 | NON |
| 2/4/2020 | HAZ-12 | EF | OCO | 2,385 | 294,187 | NON |
| 3/10/2020 | HAZ-12 | EF | USV | 1 | 190 | NON |
| 4/27/2020 | HAZ-12 | EF | USV | 3 | 388 | NON |
| 5/21/2020 | HAZ-12 | EF | OFC | 84 | 5,842 | NON |
| 7/26/2020 | HAZ-12 | AC | UPT | 226 | 51,843 | NON |
| 8/6/2020 | HAZ-12 | SO | OPO | 4 | 1,283 | NON |
| 9/23/2020 | HAZ-12 | EF | OTF | 5 | 618 | NON |
| 10/13/2020 | HAZ-12 | ³ TV | OCO | 2,903 | 207,904 | MEJ |
| 11/28/2020 | HAZ-12 | EF | USV | 10 | 916 | NON |
| 11/28/2020 | HAZ-12 | EF | USV | 20 | 3,598 | NON |
| 12/7/2020 | HAZ-12 | EF | UPC | 8 | 778 | NON |
| 12/17/2020 | HAZ-12 | EF | USV | 1 | 247 | NON |
| 1/7/2020 | HAZ-13 | DU | USV | 1 | 116 | NON |
| 2/3/2020 | HAZ-13 | EF | USV | 1 | 434 | NON |
| 2/7/2020 | HAZ-13 | TV | OCO | 36 | 13,060 | MEN |
| 2/7/2020 | HAZ-13 | TV | OCO | 303 | 23,074 | MEN |
| 2/7/2020 | HAZ-13 | TV | OSV | 5 | 2,881 | MEN |
| 2/12/2020 | HAZ-13 | CP | OPO | 294 | 92,664 | NON |
| 4/9/2020 | HAZ-13 | BA | OFU | 19 | 1,393 | NON |
| 4/15/2020 | HAZ-13 | EF | OCN | 1 | 326 | NON |
| 6/5/2020 | HAZ-13 | EF | OSV | 1 | 43 | NON |
| 6/28/2020 | HAZ-13 | EF | OFU | 39 | 3,074 | NON |
| 7/4/2020 | HAZ-13 | EF | OTF | 2 | 156 | NON |
| 7/7/2020 | HAZ-13 | EF | UPC | 19 | 4,772 | NON |
| 7/7/2020 | HAZ-13 | EF | UPC | 6 | 1,813 | NON |
| 7/21/2020 | HAZ-13 | SO | UPC | 44 | 7,336 | NON |
| 7/23/2020 | HAZ-13 | SO | UPC | 44 | 11,524 | NON |
| 7/29/2020 | HAZ-13 | SO | UPC | 43 | 63 | NON |
| 8/19/2020 | HAZ-13 | DU | UTR | 3 | 620 | NON |
| 10/13/2020 | HAZ-13 | TV | OCO | 1,225 | 87,731 | MEJ |
| 10/13/2020 | HAZ-13 | TV | OCO | 5 | 9,184 | MEJ |
| 10/13/2020 | HAZ-13 | TV | OCO | 2,118 | 360,378 | MEJ |
| 10/13/2020 | HAZ-13 | TV | OCO | 17 | 17,085 | MEJ |

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|------------|--------|----|-----|-----|---------|-----|
| 10/16/2020 | HAZ-13 | TV | OPO | 32 | 6,016 | NON |
| 10/17/2020 | HAZ-13 | EF | OSV | 1 | 137 | NON |
| 11/6/2020 | HAZ-13 | TV | OTF | 1 | 85 | NON |
| 11/17/2020 | HAZ-13 | TV | OCO | 15 | 1,711 | NON |
| 11/20/2020 | HAZ-13 | EF | USV | 1 | 277 | NON |
| 11/30/2020 | HAZ-13 | TV | OFU | 61 | 7,168 | NON |
| 8/9/2020 | HOU-23 | EF | UPC | 13 | 3,041 | NON |
| 9/22/2020 | HOU-23 | EF | UPC | 13 | 2,850 | NON |
| 10/1/2020 | HOU-23 | EF | UTR | 31 | 2,522 | NON |
| 10/31/2020 | HOU-23 | EF | UPC | 32 | 6,401 | NON |
| 10/31/2020 | HOU-23 | EF | UPC | 4 | 580 | NON |
| 1/25/2020 | HOU-25 | SO | UPC | 3 | 908 | NON |
| 3/21/2020 | HOU-25 | SO | UPC | 3 | 186 | NON |
| 4/16/2020 | HOU-25 | BA | OTF | 1 | 104 | NON |
| 4/30/2020 | HOU-25 | SO | UEL | 3 | 909 | NON |
| 7/9/2020 | HOU-25 | SO | UPT | 3 | 1,079 | NON |
| 7/31/2020 | HOU-25 | SO | UTC | 3 | 198 | NON |
| 9/19/2020 | HOU-25 | SO | OFC | 3 | 760 | NON |
| 11/10/2020 | HOU-25 | SO | UEL | 1 | 65 | NON |
| 11/22/2020 | HOU-25 | BA | UOT | 10 | 1,984 | NON |
| 11/27/2020 | HOU-25 | EF | USV | 1 | 389 | NON |
| 12/24/2020 | HOU-25 | EF | OTF | 5 | 844 | NON |
| 1/15/2020 | KWH-22 | TV | OSV | 1 | 180 | MEJ |
| 3/14/2020 | KWH-22 | EF | OCN | 1 | 224 | NON |
| 5/7/2020 | KWH-22 | EF | OCO | 222 | 21,984 | NON |
| 9/29/2020 | KWH-22 | EF | USV | 1 | 179 | NON |
| 10/7/2020 | KWH-22 | EF | PED | 12 | 2,388 | NON |
| 12/10/2020 | KWH-22 | EF | USV | 1 | 139 | NON |
| 1/21/2020 | KWH-23 | EF | USV | 1 | 159 | NON |
| 2/8/2020 | KWH-23 | EF | USV | 1 | 529 | NON |
| 3/5/2020 | KWH-23 | EF | UPC | 28 | 13,841 | NON |
| 5/9/2020 | KWH-23 | EF | USV | 1 | 143 | NON |
| 7/29/2020 | KWH-23 | SO | UFJ | 126 | 41,305 | NON |
| 10/13/2020 | KWH-23 | TV | OCO | 124 | 166,927 | MEJ |
| 11/4/2020 | KWH-23 | TV | OCO | 46 | 7,278 | NON |
| 11/12/2020 | KWH-23 | EF | UPC | 81 | 15,640 | NON |
| 11/26/2020 | KWH-23 | CE | USC | 1 | 500 | NON |
| 12/9/2020 | KWH-23 | EF | UTR | 10 | 2,242 | NON |
| 12/19/2020 | KWH-23 | FI | OFU | 195 | 22,149 | NON |
| 12/20/2020 | KWH-23 | TV | OTF | 11 | 1,134 | NON |
| 12/22/2020 | KWH-23 | EF | UEL | 88 | 17,713 | NON |
| 1/7/2020 | KWH-25 | EF | USV | 1 | 115 | NON |
| 1/11/2020 | KWH-25 | EF | USV | 1 | 216 | NON |
| 2/8/2020 | KWH-25 | EF | USV | 1 | 339 | NON |
| 2/13/2020 | KWH-25 | EF | USV | 1 | 393 | NON |
| 2/13/2020 | KWH-25 | EF | USC | 1 | 171 | NON |
| 2/19/2020 | KWH-25 | EF | USV | 1 | 424 | NON |

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|------------|--------|-----------------|-----|-------|---------|-----|
| 2/23/2020 | KWH-25 | TV | OCO | 1,628 | 315,251 | MEN |
| 2/23/2020 | KWH-25 | EF | UTR | 214 | 23,209 | MEN |
| 2/24/2020 | KWH-25 | EF | USV | 8 | 1,158 | NON |
| 3/30/2020 | KWH-25 | EF | UTR | 8 | 3,336 | NON |
| 4/8/2020 | KWH-25 | CP | OCO | 129 | 24,250 | NON |
| 4/29/2020 | KWH-25 | BA | OTF | 5 | 220 | NON |
| 6/4/2020 | KWH-25 | EF | OCO | 214 | 27,503 | NON |
| 6/9/2020 | KWH-25 | EF | USV | 1 | 77 | NON |
| 7/14/2020 | KWH-25 | EF | UPC | 31 | 16,219 | NON |
| 7/22/2020 | KWH-25 | SO | OPO | 1 | 144 | NON |
| 7/31/2020 | KWH-25 | EF | OCO | 11 | 1,692 | NON |
| 8/22/2020 | KWH-25 | EF | UPC | 14 | 4,912 | NON |
| 8/31/2020 | KWH-25 | BA | OTF | 6 | 498 | NON |
| 9/14/2020 | KWH-25 | DU | USC | 1 | 256 | NON |
| 9/19/2020 | KWH-25 | SO | UEL | 9 | 4,178 | NON |
| 9/25/2020 | KWH-25 | EF | USV | 1 | 134 | NON |
| 10/8/2020 | KWH-25 | SO | OFC | 6 | 503 | NON |
| 10/26/2020 | KWH-25 | EF | UHH | 3 | 1,088 | NON |
| 10/28/2020 | KWH-25 | EF | UTR | 8 | 2,743 | NON |
| 11/2/2020 | KWH-25 | EF | UHH | 1 | 595 | NON |
| 11/2/2020 | KWH-25 | EF | USC | 1 | 15 | NON |
| 11/12/2020 | KWH-25 | EF | USC | 1 | 656 | NON |
| 11/18/2020 | KWH-25 | SO | OFC | 14 | 2,316 | NON |
| 11/19/2020 | KWH-25 | EF | OTR | 4 | 408 | NON |
| 12/4/2020 | KWH-25 | EF | UHH | 8 | 942 | NON |
| 12/27/2020 | KWH-25 | EF | OMP | 1 | 375 | NON |
| 4/2/2020 | KWH-26 | BA | OTF | 5 | 182 | NON |
| 5/7/2020 | KWH-26 | EF | OAR | 4 | 15,934 | NON |
| 5/7/2020 | KWH-26 | EF | OAR | 4 | 714 | NON |
| 5/29/2020 | KWH-26 | EF | UTR | 18 | 4,431 | NON |
| 11/27/2020 | KWH-26 | SO | UPS | 4 | 7,395 | NON |
| 1/31/2020 | LHL-22 | TV | OCO | 7 | 986 | MEN |
| 2/7/2020 | LHL-22 | TV | OSV | 4 | 2,539 | MEN |
| 2/8/2020 | LHL-22 | TV | OSV | 1 | 134 | NON |
| 2/25/2020 | LHL-22 | SO | OPO | 9 | 1,506 | NON |
| 4/26/2020 | LHL-22 | EF | UPC | 4 | 1,813 | NON |
| 5/12/2020 | LHL-22 | ² DU | UPC | 1,018 | 111,980 | NON |
| 8/6/2020 | LHL-22 | BA | OFU | 88 | 5,921 | NON |
| 8/11/2020 | LHL-22 | EF | OPO | 8 | 911 | NON |
| 9/24/2020 | LHL-22 | EF | USV | 1 | 211 | NON |
| 10/10/2020 | LHL-22 | BA | OTF | 6 | 443 | NON |
| 10/13/2020 | LHL-22 | TV | OFU | 111 | 11,666 | MEJ |
| 11/10/2020 | LHL-22 | BA | OCO | 39 | 3,318 | NON |
| 11/17/2020 | LHL-22 | TV | OTF | 3 | 348 | NON |
| 12/14/2020 | LHL-22 | EF | OCR | 4 | 302 | NON |
| 5/12/2020 | LHL-23 | ² DU | UPC | 1,720 | 345,386 | NON |
| 5/29/2020 | LHL-23 | EF | UPC | 59 | 25,102 | NON |

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|------------|--------|-----------------|-----|-------|---------|-----|
| 5/29/2020 | LHL-23 | EF | UFJ | 39 | 6,841 | NON |
| 6/3/2020 | LHL-23 | SO | UPC | 218 | 54,957 | NON |
| 6/4/2020 | LHL-23 | SO | UPC | 67 | 1,027 | NON |
| 6/4/2020 | LHL-23 | SO | UPC | 195 | 62,021 | NON |
| 10/17/2020 | LHL-23 | EF | UTR | 2 | 1,151 | NON |
| 12/20/2020 | LHL-23 | EF | UPC | 97 | 16,911 | NON |
| 2/1/2020 | LHL-25 | UN | OCR | 9 | 9,573 | MEJ |
| 2/24/2020 | LHL-25 | EF | OFC | 22 | 583 | NON |
| 3/23/2020 | LHL-25 | EF | USV | 1 | 348 | NON |
| 4/5/2020 | LHL-25 | EF | OCO | 7 | 1,683 | NON |
| 4/14/2020 | LHL-25 | EF | OTR | 8 | 3,009 | NON |
| 4/27/2020 | LHL-25 | UN | OTR | 6 | 2,249 | NON |
| 5/9/2020 | LHL-25 | BA | OTR | 22 | 3,214 | NON |
| 5/12/2020 | LHL-25 | ² DU | UPC | 2,854 | 174,094 | NON |
| 5/21/2020 | LHL-25 | SO | UPC | 181 | 43,129 | NON |
| 6/20/2020 | LHL-25 | EF | UFJ | 215 | 30,612 | NON |
| 7/7/2020 | LHL-25 | EF | UFJ | 457 | 61,447 | NON |
| 7/24/2020 | LHL-25 | EF | UPC | 15 | 5,461 | NON |
| 8/24/2020 | LHL-25 | BA | OTF | 5 | 279 | NON |
| 8/26/2020 | LHL-25 | SO | UPC | 24 | 497 | NON |
| 12/30/2020 | LHL-25 | EF | OFC | 20 | 3,648 | NON |
| 1/22/2020 | LHL-26 | EF | USE | 5 | 1,965 | NON |
| 3/6/2020 | LHL-26 | EF | OTR | 4 | 1,058 | NON |
| 5/12/2020 | LHL-26 | ² DU | UPC | 553 | 34,286 | NON |
| 6/19/2020 | LHL-26 | TV | OSV | 1 | 119 | NON |
| 9/23/2020 | LHL-26 | BA | OFU | 17 | 1,935 | NON |
| 10/29/2020 | LHL-26 | EF | OTR | 9 | 429 | NON |
| 11/12/2020 | LHL-26 | OD | OTF | 7 | 757 | NON |
| 11/16/2020 | LHL-26 | AC | OCN | 1 | 117 | NON |
| 11/17/2020 | LHL-26 | EF | UPC | 20 | 6,370 | NON |
| 1/7/2020 | LOC-22 | SO | UPC | 20 | 896 | NON |
| 2/7/2020 | LOC-22 | EF | OTF | 3 | 267 | MEN |
| 4/23/2020 | LOC-22 | EF | OTR | 5 | 1,691 | NON |
| 5/17/2020 | LOC-22 | EF | OCO | 198 | 79,398 | NON |
| 5/22/2020 | LOC-22 | EF | USV | 1 | 422 | NON |
| 6/26/2020 | LOC-22 | EF | PMP | 1 | 62 | NON |
| 10/5/2020 | LOC-22 | EF | OPO | 30 | 6,379 | NON |
| 11/17/2020 | LOC-22 | EF | OTF | 6 | 637 | NON |
| 3/20/2020 | LOC-23 | EF | OMP | 1 | 125 | NON |
| 7/2/2020 | LOC-23 | SO | UEL | 89 | 16,112 | NON |
| 7/8/2020 | LOC-23 | CE | UPT | 89 | 22,774 | NON |
| 7/8/2020 | LOC-23 | EF | UPT | 176 | 39,087 | NON |
| 7/8/2020 | LOC-23 | EF | UPT | 1 | 211 | NON |
| 7/8/2020 | LOC-23 | EF | UPT | 90 | 3,685 | NON |
| 10/19/2020 | LOC-23 | EF | OCO | 7 | 864 | NON |
| 7/18/2020 | LOC-24 | SO | UPC | 4 | 831 | NON |
| 2/22/2020 | LOC-33 | SO | UFJ | 37 | 6,664 | NON |

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|------------|--------|----|-----|-------|---------|-----|
| 6/3/2020 | LOC-33 | DU | UPS | 317 | 98,655 | NON |
| 12/25/2020 | LOC-33 | EF | UEL | 28 | 8,117 | NON |
| 1/11/2020 | MED-35 | SO | USV | 1 | 40 | NON |
| 5/17/2020 | MED-35 | EF | OCO | 5 | 1,338 | NON |
| 7/20/2020 | MED-35 | SO | UTR | 2 | 133 | NON |
| 8/7/2020 | MED-35 | EF | OCO | 113 | 24,453 | NON |
| 9/11/2020 | MED-35 | EF | USC | 1 | 119 | NON |
| 9/12/2020 | MED-35 | SO | UEL | 1 | 454 | NON |
| 9/19/2020 | MED-35 | SO | UEL | 1 | 117 | NON |
| 10/17/2020 | MED-35 | SO | UEL | 1 | 168 | NON |
| 1/13/2020 | MED-36 | EF | USV | 1 | 1,115 | MEJ |
| 2/3/2020 | MED-36 | DU | USV | 1 | 169 | NON |
| 3/16/2020 | MED-36 | EF | USV | 1 | 433 | NON |
| 5/6/2020 | MED-36 | EF | UPC | 54 | 13,103 | NON |
| 5/18/2020 | MED-36 | BA | OTR | 2 | 167 | NON |
| 5/21/2020 | MED-36 | EF | UTR | 48 | 9,677 | NON |
| 6/14/2020 | MED-36 | EF | USV | 1 | 151 | NON |
| 7/23/2020 | MED-36 | EF | USV | 1 | 137 | NON |
| 7/24/2020 | MED-36 | EF | USV | 1 | 731 | NON |
| 8/11/2020 | MED-36 | EF | UHH | 3 | 218 | NON |
| 8/16/2020 | MED-36 | EF | USV | 1 | 670 | NON |
| 9/23/2020 | MED-36 | TV | OFU | 50 | 7,267 | NON |
| 10/11/2020 | MED-36 | TV | OCO | 50 | 4,681 | NON |
| 12/7/2020 | MED-36 | EF | USV | 1 | 38 | NON |
| 12/23/2020 | MED-36 | EF | UTR | 54 | 10,198 | NON |
| 2/20/2020 | MLK-12 | BA | OTF | 7 | 860 | NON |
| 11/11/2020 | MLK-12 | SO | OPO | 2 | 179 | NON |
| 12/4/2020 | MLK-12 | EF | USC | 1 | 418 | NON |
| 2/7/2020 | MLK-13 | EF | OSV | 3 | 1,869 | MEN |
| 2/8/2020 | MLK-13 | TV | OTF | 3 | 291 | NON |
| 2/18/2020 | MLK-13 | SO | UPC | 1 | 280 | NON |
| 4/8/2020 | MLK-13 | SO | UGV | 1 | 297 | NON |
| 5/17/2020 | MLK-13 | TV | OCO | 37 | 15,991 | NON |
| 7/31/2020 | MLK-13 | EF | USC | 1 | 90 | NON |
| 8/26/2020 | MLK-13 | DU | UPC | 1 | 338 | NON |
| 10/16/2020 | MLK-13 | EF | UEL | 74 | 1,996 | NON |
| 11/6/2020 | MLK-13 | SO | ACE | 16 | 982 | NON |
| 12/31/2020 | MLK-13 | EF | USV | 1 | 179 | NON |
| 1/31/2020 | MLK-15 | TV | OCO | 111 | 26,094 | MEJ |
| 2/14/2020 | MLK-15 | SO | OSV | 1 | 125 | NON |
| 5/5/2020 | MLK-15 | BA | OFU | 216 | 22,663 | NON |
| 5/5/2020 | MLK-15 | BA | OCO | 49 | 3,210 | NON |
| 5/28/2020 | MLK-15 | SO | UEL | 1 | 394 | NON |
| 6/5/2020 | MLK-15 | BA | OFU | 1 | 33 | NON |
| 7/19/2020 | MLK-15 | EF | UGV | 39 | 9,423 | NON |
| 8/5/2020 | MLK-15 | EF | UPC | 1,631 | 245,692 | NON |
| 8/16/2020 | MLK-15 | EF | UPC | 272 | 73,164 | NON |

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|------------|--------|----|-----|-------|---------|-----|
| 9/25/2020 | MLK-15 | SO | UEL | 26 | 2,134 | NON |
| 11/3/2020 | MLK-15 | EF | OTR | 8 | 3,285 | NON |
| 11/16/2020 | MLK-15 | EF | OCN | 1 | 104 | NON |
| 12/9/2020 | MLK-15 | CE | ACE | 2 | 94 | NON |
| 12/26/2020 | MLK-15 | EF | UPC | 58 | 8,486 | NON |
| 1/8/2020 | MLK-16 | EF | USV | 1 | 208 | NON |
| 1/19/2020 | MLK-16 | EF | USV | 1 | 465 | NON |
| 4/17/2020 | MLK-16 | EF | USV | 1 | 59 | NON |
| 5/28/2020 | MLK-16 | EF | UMP | 1 | 150 | NON |
| 10/10/2020 | MLK-16 | EF | USV | 1 | 167 | NON |
| 10/3/2020 | NOB-11 | SO | UEL | 2 | 600 | NON |
| 2/13/2020 | NOB-12 | SO | ACE | 33 | 617 | NON |
| 2/13/2020 | NOB-12 | SO | ACE | 33 | 632 | NON |
| 5/5/2020 | NOB-12 | SO | UEL | 1 | 87 | NON |
| 5/28/2020 | NOB-12 | SO | UEL | 1 | 27,407 | NON |
| 6/16/2020 | NOB-12 | SO | UEL | 1 | 31,356 | NON |
| 8/7/2020 | NOB-12 | SO | UFJ | 4 | 595 | NON |
| 9/1/2020 | NOB-12 | SO | UEL | 4 | 144 | NON |
| 11/14/2020 | NOB-12 | SO | OMP | 40 | 22,881 | NON |
| 1/22/2020 | NOB-14 | SO | ACE | 125 | 21,663 | NON |
| 2/26/2020 | NOB-14 | DU | UPC | 14 | 79 | NON |
| 9/13/2020 | NOB-14 | EF | UPC | 950 | 115,472 | NON |
| 5/3/2020 | NOB-22 | CP | OPO | 10 | 6,647 | NON |
| 8/11/2020 | NOB-22 | CP | UPT | 4 | 1,176 | NON |
| 1/4/2020 | NOB-24 | EF | OTR | 4 | 1,166 | NON |
| 1/5/2020 | NOB-24 | EF | OPO | 50 | 13,671 | NON |
| 1/10/2020 | NOB-24 | EF | OFC | 6 | 415 | NON |
| 1/19/2020 | NOB-24 | EF | OTR | 1 | 274 | NON |
| 2/9/2020 | NOB-24 | EF | OSV | 1 | 143 | NON |
| 5/23/2020 | NOB-24 | BA | OFU | 2 | 166 | NON |
| 5/27/2020 | NOB-24 | EF | UPS | 1,028 | 88,132 | NON |
| 5/27/2020 | NOB-24 | EF | UPS | 1,011 | 24,213 | NON |
| 5/30/2020 | NOB-24 | EF | UFJ | 11 | 2,086 | NON |
| 8/22/2020 | NOB-24 | EF | OTR | 3 | 524 | NON |
| 10/10/2020 | NOB-24 | EF | UGF | 2 | 319 | NON |
| 10/13/2020 | NOB-24 | TV | OCO | 153 | 86,965 | MEJ |
| 10/14/2020 | NOB-24 | TV | OTF | 4 | 1,239 | NMJ |
| 12/21/2020 | NOB-24 | EF | UHH | 7 | 8,400 | MEN |
| 1/14/2020 | NRU-23 | EF | USV | 1 | 106 | NMJ |
| 5/17/2020 | NRU-23 | BA | OFU | 3 | 375 | NON |
| 6/20/2020 | NRU-23 | BA | OTR | 3 | 409 | NON |
| 7/6/2020 | NRU-23 | TV | OFU | 4 | 217 | NON |
| 7/19/2020 | NRU-23 | EF | UPC | 668 | 460,180 | NON |
| 7/23/2020 | NRU-23 | BA | OFU | 9 | 866 | NON |
| 7/31/2020 | NRU-23 | BA | OFU | 3 | 193 | NON |
| 8/15/2020 | NRU-23 | BA | OFU | 9 | 733 | NON |
| 8/26/2020 | NRU-23 | EF | UPC | 9 | 10 | NON |

| | | | | | | |
|------------|--------|----|-----|-----|---------|-----|
| 9/5/2020 | NRU-23 | BA | OFU | 3 | 538 | NON |
| 10/4/2020 | NRU-23 | EF | OSV | 1 | 86 | NON |
| 10/15/2020 | NRU-23 | EF | OFU | 9 | 1,758 | NMJ |
| 11/4/2020 | NRU-23 | TV | OCO | 11 | 2,216 | NON |
| 1/2/2020 | NRU-25 | EF | USV | 1 | 339 | NON |
| 1/13/2020 | NRU-25 | EF | USV | 1 | 448 | MEJ |
| 2/7/2020 | NRU-25 | EF | USV | 1 | 640 | MEN |
| 4/20/2020 | NRU-25 | BA | OFU | 4 | 770 | NON |
| 7/18/2020 | NRU-25 | BA | OUP | 1 | 23 | NON |
| 7/21/2020 | NRU-25 | SO | UPT | 1 | 492 | NON |
| 8/11/2020 | NRU-25 | EF | OCN | 1 | 156 | NON |
| 8/29/2020 | NRU-25 | EF | UPS | 1 | 126 | NON |
| 9/12/2020 | NRU-25 | EF | UPC | 1 | 338 | NON |
| 9/15/2020 | NRU-25 | BA | UOT | 7 | 719 | NON |
| 10/13/2020 | NRU-25 | EF | UPC | 210 | 173,867 | MEN |
| 10/13/2020 | NRU-25 | EF | UTR | 148 | 185,040 | MEN |
| 11/4/2020 | NRU-25 | SO | UEL | 1 | 191 | NON |
| 11/6/2020 | NRU-25 | SO | UEL | 1 | 142 | NON |
| 11/16/2020 | NRU-25 | SO | UHH | 5 | 534 | NON |
| 11/19/2020 | NRU-25 | EF | OCN | 1 | 91 | NON |
| 3/7/2020 | NRU-26 | SO | UEL | 2 | 199 | NON |
| 3/15/2020 | NRU-26 | SO | UEL | 1 | 182 | NON |
| 4/10/2020 | NRU-26 | SO | UEL | 1 | 254 | NON |
| 4/26/2020 | NRU-26 | SO | UEL | 1 | 552 | NON |
| 6/26/2020 | NRU-26 | SO | | 1 | 339 | NON |
| 9/25/2020 | NRU-26 | EF | OFU | 5 | 484 | NON |
| 10/13/2020 | NRU-26 | TV | OFU | 38 | 24,667 | MEJ |
| 10/15/2020 | NRU-26 | TV | OCO | 24 | 9,258 | NMJ |
| 1/25/2020 | NRU-27 | SO | OCO | 1 | 296 | NON |
| 2/15/2020 | NRU-27 | BA | OTR | 516 | 46,079 | NON |
| 3/23/2020 | NRU-27 | EF | UPC | 19 | 4,502 | NON |
| 3/23/2020 | NRU-27 | EF | UPC | 18 | 534 | NON |
| 3/23/2020 | NRU-27 | EF | UPC | 18 | 5,782 | NON |
| 4/6/2020 | NRU-27 | SO | UEL | 4 | 740 | NON |
| 4/7/2020 | NRU-27 | SO | UEL | 1 | 583 | NON |
| 4/8/2020 | NRU-27 | SO | UEL | 1 | 287 | NON |
| 4/9/2020 | NRU-27 | SO | UEL | 7 | 1,755 | NON |
| 4/28/2020 | NRU-27 | EF | OCN | 1 | 292 | NON |
| 8/2/2020 | NRU-27 | SO | DNO | 2 | 325 | NON |
| 8/20/2020 | NRU-27 | SO | UEL | 1 | 155 | NON |
| 8/21/2020 | NRU-27 | EF | UEL | 5 | 761 | NON |
| 9/22/2020 | NRU-27 | EF | UTR | 6 | 3,467 | NON |
| 9/24/2020 | NRU-27 | UN | PMF | 71 | 23,480 | NON |
| 9/24/2020 | NRU-27 | EF | PMF | 20 | 77 | NON |
| 9/29/2020 | NRU-27 | EF | UFJ | 25 | 4,658 | NON |
| 10/9/2020 | NRU-27 | EF | UFJ | 4 | 754 | NON |
| 10/10/2020 | NRU-27 | EF | UFJ | 4 | 595 | NON |

| | | | | | | |
|------------|--------|----|-----|-----|---------|-----|
| 10/12/2020 | NRU-27 | EF | UFJ | 20 | 3,676 | NON |
| 11/3/2020 | NRU-27 | EF | UTR | 7 | 1,843 | NON |
| 7/26/2020 | OVE-12 | EF | UOT | 38 | 4,762 | NON |
| 8/5/2020 | OVE-12 | EF | OTF | 6 | 423 | NON |
| 12/6/2020 | OVE-12 | EF | UPC | 126 | 17,976 | NON |
| 1/23/2020 | OVE-15 | UN | OPO | 27 | 6,952 | NON |
| 1/29/2020 | OVE-15 | EF | UPC | 1 | 512 | NON |
| 2/12/2020 | OVE-15 | TV | OCO | 2 | 125 | NON |
| 2/16/2020 | OVE-15 | TV | OTF | 3 | 321 | NON |
| 2/23/2020 | OVE-15 | TV | OCO | 450 | 249,985 | MEN |
| 2/23/2020 | OVE-15 | TV | OCO | 114 | 62,315 | MEN |
| 4/28/2020 | OVE-15 | BA | OCO | 2 | 144 | NON |
| 5/20/2020 | OVE-15 | TV | OPO | 31 | 6,726 | NON |
| 6/5/2020 | OVE-15 | EF | OIN | 6 | 93 | NON |
| 7/14/2020 | OVE-15 | SO | OCO | 4 | 1,184 | NON |
| 9/1/2020 | OVE-15 | SO | UPT | 3 | 389 | NON |
| 9/4/2020 | OVE-15 | EF | OCO | 24 | 941 | NON |
| 9/4/2020 | OVE-15 | EF | OCO | 5 | 209 | NON |
| 9/22/2020 | OVE-15 | SO | OTR | 6 | 620 | NON |
| 9/28/2020 | OVE-15 | EF | OCN | 10 | 1,432 | NON |
| 10/14/2020 | OVE-15 | TV | OCO | 118 | 12,995 | NMJ |
| 12/5/2020 | OVE-15 | SO | OFC | 2 | 494 | NON |
| 2/3/2020 | PHA-13 | EF | OCN | 1 | 113 | NON |
| 2/23/2020 | PHA-13 | TV | OCO | 44 | 44,846 | MEN |
| 3/17/2020 | PHA-13 | TV | OCO | 11 | 138 | NON |
| 5/8/2020 | PHA-13 | EF | OPO | 4 | 1,877 | NON |
| 6/21/2020 | PHA-13 | EF | OTF | 6 | 913 | NON |
| 7/7/2020 | PHA-13 | BA | OFU | 41 | 3,719 | NON |
| 8/1/2020 | PHA-13 | EF | UPT | 1 | 464 | NON |
| 9/3/2020 | PHA-13 | EF | USC | 1 | 586 | NON |
| 9/17/2020 | PHA-13 | EF | UPC | 37 | 23,408 | NON |
| 9/30/2020 | PHA-13 | SO | PMF | 2 | 457 | NON |
| 10/11/2020 | PHA-13 | TV | OTR | 4 | 2,230 | NON |
| 10/27/2020 | PHA-13 | EF | OTF | 6 | 571 | NON |
| 12/4/2020 | PHA-13 | EF | UPC | 37 | 6,642 | NON |
| 12/7/2020 | PHA-13 | SO | OTF | 4 | 567 | NON |
| 2/23/2020 | PHA-15 | TV | OSV | 1 | 210 | MEN |
| 2/29/2020 | PHA-16 | TV | OTF | 7 | 883 | NON |
| 3/3/2020 | PHA-16 | EF | OTR | 4 | 944 | NON |
| 5/20/2020 | PHA-16 | EF | USV | 1 | 188 | NON |
| 5/27/2020 | PHA-16 | EF | OSV | 5 | 480 | NON |
| 5/31/2020 | PHA-16 | TV | OCO | 1 | 117 | NON |
| 6/22/2020 | PHA-16 | EF | OTR | 7 | 1,596 | NON |
| 7/5/2020 | PHA-16 | EF | OCN | 1 | 108 | NON |
| 7/15/2020 | PHA-16 | EF | UTR | 32 | 10,355 | NON |
| 7/21/2020 | PHA-16 | EF | UTR | 15 | 760 | NON |
| 8/7/2020 | PHA-16 | BA | OTF | 5 | 412 | NON |

| | | | | | | |
|------------|--------|----|-----|-----|--------|-----|
| 9/16/2020 | PHA-16 | BA | OTF | 4 | 271 | NON |
| 12/1/2020 | PHA-16 | TV | OSV | 5 | 978 | NON |
| 12/5/2020 | PHA-16 | EF | UPT | 8 | 4,236 | NON |
| 2/7/2020 | PHA-17 | OD | OCO | 121 | 41,055 | MEN |
| 2/7/2020 | PHA-17 | TV | OFU | 124 | 67,440 | MEN |
| 2/8/2020 | PHA-17 | TV | OFU | 121 | 20,834 | NON |
| 3/12/2020 | PHA-17 | EF | USC | 6 | 2,106 | NON |
| 3/14/2020 | PHA-17 | TV | OSV | 1 | 133 | NON |
| 4/2/2020 | PHA-17 | DU | USV | 1 | 544 | NON |
| 4/15/2020 | PHA-17 | BA | OTR | 31 | 2,100 | NON |
| 10/16/2020 | PHA-17 | EF | OTF | 8 | 680 | NON |
| 12/3/2020 | PHA-17 | AC | OSV | 1 | 91 | NON |
| 1/29/2020 | ROS-17 | EF | USV | 1 | 430 | NON |
| 2/5/2020 | ROS-17 | EF | USV | 1 | 104 | NON |
| 3/29/2020 | ROS-17 | EF | UPC | 80 | 10,903 | NON |
| 4/23/2020 | ROS-17 | EF | OFC | 52 | 6,353 | NON |
| 4/23/2020 | ROS-17 | EF | USV | 1 | 188 | NON |
| 4/24/2020 | ROS-17 | EF | USV | 1 | 224 | NON |
| 5/22/2020 | ROS-17 | UN | UEL | 1 | 156 | NON |
| 5/23/2020 | ROS-17 | UN | OFU | 10 | 790 | NON |
| 9/3/2020 | ROS-17 | UN | UFJ | 8 | 805 | NON |
| 9/30/2020 | ROS-17 | EF | OCN | 1 | 205 | NON |
| 10/1/2020 | ROS-17 | EF | USV | 1 | 188 | NON |
| 11/30/2020 | ROS-17 | EF | USC | 2 | 611 | NON |
| 1/22/2020 | SBE-22 | SO | UTC | 9 | 1,151 | NON |
| 11/5/2020 | SBE-22 | SO | OFC | 4 | 1,255 | NON |
| 3/19/2020 | SBE-23 | SO | UTC | 1 | 163 | NON |
| 3/20/2020 | SBE-23 | SO | UTC | 24 | 72 | NON |
| 7/25/2020 | SBE-23 | SO | UTC | 13 | 541 | NON |
| 7/25/2020 | SBE-23 | SO | UTC | 1 | 216 | NON |
| 8/12/2020 | SBE-23 | SO | UPC | 19 | 516 | NON |
| 8/19/2020 | SBE-23 | SO | UTC | 13 | 24 | NON |
| 9/16/2020 | SBE-23 | SO | UTC | 24 | 68 | NON |
| 9/21/2020 | SBE-23 | SO | UEL | 1 | 443 | NON |
| 9/28/2020 | SBE-23 | SO | UEL | 1 | 28 | NON |
| 1/31/2020 | SBE-25 | EF | OCO | 38 | 14,786 | MEJ |
| 2/1/2020 | SBE-25 | EF | UTR | 23 | 21,295 | MEJ |
| 8/20/2020 | SBE-25 | SO | OPO | 17 | 4,355 | NON |
| 9/29/2020 | SBE-25 | SO | OPO | 2 | 711 | NON |
| 10/10/2020 | SBE-25 | EF | OTF | 8 | 1,046 | NON |
| 11/2/2020 | SBE-25 | EF | OTR | 4 | 899 | NON |
| 11/29/2020 | SBE-25 | EF | OTR | 8 | 984 | NON |
| 1/23/2020 | SBE-26 | EF | USV | 1 | 549 | NON |
| 2/15/2020 | SBE-26 | EF | USV | 1 | 786 | NON |
| 2/23/2020 | SBE-26 | TV | OCO | 26 | 9,181 | MEN |
| 3/3/2020 | SBE-26 | EF | USV | 1 | 336 | NON |
| 3/28/2020 | SBE-26 | EF | UEL | 155 | 18,211 | NON |

| | | | | | | |
|------------|--------|-----------------|-----|-------|---------|-----|
| 5/20/2020 | SBE-26 | TV | OCN | 1 | 380 | NON |
| 5/23/2020 | SBE-26 | AC | OFC | 1 | 20 | NON |
| 6/21/2020 | SBE-26 | TV | OTF | 3 | 314 | NON |
| 6/22/2020 | SBE-26 | EF | UPC | 11 | 2,182 | NON |
| 7/1/2020 | SBE-26 | UN | UTC | 24 | 3,156 | NON |
| 7/15/2020 | SBE-26 | BA | OFC | 18 | 1,302 | NON |
| 8/2/2020 | SBE-26 | EF | USC | 1 | 311 | NON |
| 8/6/2020 | SBE-26 | EF | USV | 1 | 613 | NON |
| 8/14/2020 | SBE-26 | SO | UTR | 5 | 912 | NON |
| 8/28/2020 | SBE-26 | EF | OCN | 7 | 864 | NON |
| 9/2/2020 | SBE-26 | TV | OCO | 4 | 393 | NON |
| 10/13/2020 | SBE-26 | TV | OCO | 42 | 54,580 | MEJ |
| 10/14/2020 | SBE-26 | TV | OSV | 4 | 2,825 | NMJ |
| 10/30/2020 | SBE-26 | BA | OTF | 2 | 216 | NON |
| 11/9/2020 | SBE-26 | EF | OFC | 72 | 5,701 | NON |
| 11/26/2020 | SBE-26 | EF | UPC | 3 | 573 | NON |
| 11/26/2020 | SBE-26 | EF | UPC | 2 | 374 | NON |
| 11/26/2020 | SBE-26 | EF | UPC | 11 | 1,965 | NON |
| 12/28/2020 | SBE-26 | AC | OPO | 4 | 2,661 | NON |
| 1/18/2020 | SOM-13 | EF | USV | 1 | 225 | NMJ |
| 4/15/2020 | SOM-13 | EF | USV | 1 | 96 | NON |
| 6/29/2020 | SOM-13 | EF | USC | 1 | 127 | NON |
| 10/13/2020 | SOM-13 | ³ TV | OCO | 1,175 | 95,625 | MEJ |
| 1/16/2020 | SOM-15 | OD | USV | 1 | 127 | NMJ |
| 3/19/2020 | SOM-15 | EF | USC | 1 | 91 | NON |
| 5/10/2020 | SOM-15 | EF | UFJ | 183 | 16,046 | NON |
| 7/4/2020 | SOM-15 | EF | UPC | 12 | 1,747 | NON |
| 7/15/2020 | SOM-15 | EF | UPT | 8 | 3,753 | NON |
| 7/16/2020 | SOM-15 | EF | USV | 1 | 197 | NON |
| 8/11/2020 | SOM-15 | EF | UEL | 53 | 11,795 | NON |
| 8/11/2020 | SOM-15 | EF | PMP | 7 | 643 | NON |
| 8/19/2020 | SOM-15 | EF | USV | 1 | 97 | NON |
| 8/24/2020 | SOM-15 | EF | OCN | 34 | 6,713 | NON |
| 8/28/2020 | SOM-15 | EF | PMP | 24 | 448 | NON |
| 9/23/2020 | SOM-15 | EF | OMP | 1 | 134 | NON |
| 10/13/2020 | SOM-15 | ³ TV | OCO | 1,746 | 142,095 | MEJ |
| 12/30/2020 | SOM-15 | ³ TV | OCO | 18 | 810 | NON |
| 2/1/2020 | SOM-16 | TV | OSV | 1 | 83 | MEJ |
| 2/7/2020 | SOM-16 | TV | OSV | 1 | 419 | MEN |
| 2/21/2020 | SOM-16 | TV | OSV | 1 | 134 | NON |
| 3/17/2020 | SOM-16 | DU | USC | 5 | 1,281 | NON |
| 4/30/2020 | SOM-16 | EF | UGV | 2,631 | 198,246 | NON |
| 5/12/2020 | SOM-16 | TV | OCN | 1 | 285 | NON |
| 5/24/2020 | SOM-16 | EF | UPC | 91 | 18,447 | NON |
| 6/7/2020 | SOM-16 | EF | OAR | 456 | 43,098 | NON |
| 6/9/2020 | SOM-16 | TV | OCO | 2,631 | 272,658 | NON |
| 7/14/2020 | SOM-16 | BA | OFU | 16 | 967 | NON |

| | | | | | | |
|--|--------|-----------------|-----|---------|------------|-----|
| 8/19/2020 | SOM-16 | EF | USV | 1 | 225 | NON |
| 10/13/2020 | SOM-16 | TV | OCO | 129 | 34,985 | MEJ |
| 10/13/2020 | SOM-16 | TV | OCO | 1,174 | 1,601,649 | MEJ |
| 11/13/2020 | SOM-16 | EF | USC | 1 | 631 | MEN |
| 11/18/2020 | SOM-16 | EF | UHH | 1 | 580 | NON |
| 11/29/2020 | SOM-16 | EF | USC | 1 | 571 | NON |
| 11/29/2020 | SOM-16 | EF | UPC | 67 | 7,073 | NON |
| 12/21/2020 | SOM-16 | EF | UPC | 3,474 | 849,861 | MEN |
| 12/21/2020 | SOM-16 | EF | UPC | 3,449 | 411,007 | MEN |
| 12/22/2020 | SOM-16 | EF | UTR | 4 | 4,395 | NON |
| 1/8/2020 | SOM-17 | EF | OAR | 226 | 20,856 | NON |
| 1/16/2020 | SOM-17 | EF | OSV | 1 | 122 | NMJ |
| 2/8/2020 | SOM-17 | EF | OTF | 2 | 273 | NON |
| 2/10/2020 | SOM-17 | EF | OMP | 1 | 105 | NON |
| 4/30/2020 | SOM-17 | EF | UGV | 913 | 82,676 | NON |
| 5/14/2020 | SOM-17 | EF | OMP | 1 | 109 | NON |
| 6/8/2020 | SOM-17 | BA | UOT | 23 | 2,367 | NON |
| 6/9/2020 | SOM-17 | TV | OCO | 609 | 63,113 | NON |
| 6/29/2020 | SOM-17 | EF | USC | 1 | 139 | NON |
| 6/30/2020 | SOM-17 | TV | OIN | 129 | 42,686 | NON |
| 7/6/2020 | SOM-17 | BA | UOT | 19 | 1,949 | NON |
| 7/11/2020 | SOM-17 | CP | OPO | 4 | 1,312 | NON |
| 7/23/2020 | SOM-17 | EF | USE | 49 | 5,139 | NON |
| 8/6/2020 | SOM-17 | EF | OCN | 1 | 91 | NON |
| 10/13/2020 | SOM-17 | ³ TV | OCO | 895 | 64,097 | MEJ |
| 10/23/2020 | SOM-17 | EF | UHH | 13 | 2,497 | NON |
| 10/27/2020 | SOM-17 | BA | OTR | 127 | 8,697 | NON |
| 11/18/2020 | SOM-17 | EF | OCN | 1 | 130 | NON |
| 12/30/2020 | SOM-17 | EF | USV | 1 | 113 | NON |
| 12/31/2020 | SOM-17 | EF | USV | 1 | 132 | NON |
| Totals | | | | 111,970 | 17,843,198 | |
| Substation and transmission outages | | | | 35,710 | 2,409,217 | |
| Totals excluding substation & transmission outages | | | | 76,260 | 15,433,981 | |
| Scheduled outages | | | | 3,306 | 779,876 | |

Notes:

- 1 Broken Insulator caused transmission outage
- 2 Dig up of feeder cable
- 3 Tree in transmission line

Storm Codes:

- MEJ Not included in SAIDI or SAIFI calculations
- MEN Not included in SAIDI calculation, included in SAIFI calculation
- NMJ Included in SAIDI calculation, not included in SAIFI calculation
- NON Included in SAIDI & SAIFI calculations

2020 RELIABILITY REPORT CODES LEGEND

| DISTRIBUTION SUBSTATION CODES | OUTAGE CAUSE CODES |
|---|--|
| ARD ARDMORE (REDMOND) BTR BRIDLE TRAILS CEN CENTER CLY CLYDE HILL COL COLLEGE EGT EASTGATE EVE EVERGREEN (REDMOND) FAC FACTORIA GOO GOODES CORNER (ISSAQUAH) HAZ HAZELWOOD (NEWCASTLE) HOU HOUGHTON (KIRKLAND) KWH KENILWORTH (REDMOND) LHL LAKE HILLS LOC LOCHLEVEN MED MEDINA (MEDINA) MLK MIDLAKES NOB NORTH BELLEVUE NRU NORTHRUP OVE OVERLAKE (MEDINA) PHA PHANTOM LAKE ROS ROSE HILL (REDMOND) SBE SOUTH BELLEVUE SOM SOMERSET | AC ACCIDENT BA BIRD OR ANIMAL CE CUSTOMER EQUIPMENT CP CAR POLE DU DIG UP UNDERGROUND EF EQUIPMENT FAILURE EO ELECTRICAL OVERLOAD EQ EARTHQUAKE FI FAULTY INSTALLATION LI LIGHTNING OD OUTSIDE DISTURBANCE OE OPERATING ERROR PO PARTIAL OUTAGE SO SCHEDULED OUTAGE TF TREE - OFF RIGHT OF WAY TO TREE - ON RIGHT OF WAY TV TREE - RIGHT OF WAY UNKNOWN UII USER - IMPROPER INSTALLATION UN UNKNOWN CAUSE VA VANDALISM |
| | STORM CODES MEJ IEEE MED & MAJOR STORM MEN IEEE MED but NON STORM NMJ NON IEEE MED but MAJOR STORM NON NON IEEE MED & NON STORM |
| EQUIPMENT CODES | OTR OVERHEAD TRANSFORMER |
| ACE ALL CUSTOMER EQUIPMENT ARR SURGE ARRESTER CC CAPACITOR CAN CDH CONDUCTOR DOWN & HOT CFD CAPACITOR BANK FUSED DISCONNECT CHG CHARGER CON CONNECTIONS CTX TRANSFORMER INSTRUMENT (CURRENT) DNO DID NOT OPERATE ELT ELBOW - TRANSFORMER ERC RECLOSER CONTROLLER FCC FUSE - CAPACITOR CAN FHV FUSE - HIGH VOLTAGE (POWER) FLV FUSE - LOW VOLTAGE (CONTROL) GAR GUY ANCHOR ROD GCB GAS CIRCUIT BREAKER (POWER) INS INSULATOR LTC LOAD TAP CHANGER MAN MANUAL OPERATION MOT MOTOR OPERATOR MTR METER OAL OVERHEAD AREA LIGHT OAN OVERHEAD ANCHOR OAR OVERHEAD ARRESTER OAT OVERHEAD AUTO TRANSFORMER (EDOT110) OCA OVERHEAD CAPACITOR (EDOC100) OCB CIRCUIT BREAKER (POWER) - OIL OCE CUSTOMER EQUIPMENT OCN OVERHEAD SECONDARY CONNECTOR OCO OVERHEAD CONDUCTOR OCR OVERHEAD CROSSARM OFC OVERHEAD CUT-OUT OFI OVERHEAD FAULT INDICATOR OFL OVERHEAD FLOOD LIGHT OFS OVERHEAD FIRE SIGNAL OFU OVERHEAD LINE FUSE / FUSE LINK OGD OVERHEAD DOWN GUY OGS OVERHEAD SPAN GUY OHR OVERHEAD RECLOSER (EDOR100) OHS OVERHEAD SECTIONALIZER (EDOX100) OIN OVERHEAD INSULATOR OJU OVERHEAD JUMPER WIRE OMP OVERHEAD METER POINT (EDOM100) ONI OVERHEAD NEUTRAL ISOLATOR OPB OVERHEAD POLE BRACE (EDOP110) OPI OVERHEAD INSULATOR PIN OPO OVERHEAD POLE (EDOP100) OPS OVERHEAD POLE STUB (EDOP120) ORE OVERHEAD REGULATOR (EDOG100) OSL OVERHEAD STREET LIGHT (EDOL100) OSP OVERHEAD SPLICE PRIMARY OSS OVERHEAD SCHOOL SIGNAL OST OVERHEAD STEP TRANSFORMER (EDOT110) OSV OVERHEAD SERVICE OSW OVERHEAD SWITCH (EDOS100) OTF OVERHEAD TRANSFORMER FUSE OTH OVERHEAD OTHER | OTR OVERHEAD TRANSFORMER OTS OVERHEAD TRAFFIC CONTROL SIGNAL OUP OVERHEAD TO UNDERGROUND OUS HOT OUS OVERHEAD TO PED DISCONNECT PEDESTAL PFT PADMOUNT FAST TRANSFORMER (EDUT130) PMF PADMOUNT SWITCH FUSE PMJ PADMOUNT J-BOX PMP PADMOUNT METER POINT (EDUM100) PST PADMOUNT STEP TRNSFORMER (EDUT120) PTF PADMOUNT TRANSFORMER FUSE PTX PADMOUNT TRANSFORMER INSTRUMENT RLE RELAY - ELECTROMECHANICAL RLM RELAY - MICROPROCESSOR RLS RELAY - SOLID STATE SCB POWER CIRCUIT BREAKER SCS CIRCUIT SWITCHER SPT STATION POWER TRANSFORMER SRG STATION REGULATOR SWC SWITCH - CAPACITOR BANK SWD SWITCH - DISTRIBUTION DISCONNECT SWT SWITCH - TRANSMISSION TER TERMINATION (POWER CABLE) UCU UNDERGROUND COMMUNICATION CABLE UDC UNDERGROUND DUST CAP UEL UNDERGROUND ELBOW UFE UNDERGROUND FUSED ELBOW UFI UNDERGROUND FAULT INDICATOR UFJ UNDERGROUND J-BOX UFO UNDERGROUND FIBER OPTICS UFS UNDERGROUND FIRE SIGNAL UGF UNDERGROUND SUBMERSIBLE FUSE UGV UNDERGROUND VAULT UHH UNDERGROUND HANDHOLE - SECONDARY UHM UNDERGROUND HAMMERHEADS UIC UNDERGROUND INDOOR STRESS CONE UJU UNDERGROUND PRIMARY JUMPER UMP UNDERGROUND SUBMERSIBLE METER POINT UNK UNDERGROUND UNKNOWN UOT UNDERGROUND OUTDOOR TERMINATION UPC UNDERGROUND PRIMARY CABLE UPH UNDERGROUND PADMOUNT PHASE SHIFTER UPS UNDERGROUND PADMOUNT SWITCH (EDUS100) UPT UNDERGROUND PADMOUNT TRANSFORMER USC UNDERGROUND SECONDARY CABLE USE UNDERGROUND SECONDARY CONNECT USP UNDERGROUND PRIMARY SPLICE USS UNDERGROUND SCHOOL SIGNAL USV UNDERGROUND SERVICE UTC UNDERGROUND TERMINAL FUSE UTF UNDERGROUND SUBMERSIBLE TRA UTR UNDERGROUND SUBMERSIBLE TRANSFORMER UTS UNDERGROUND TRAFFIC CONTROL SIGNAL UUS UNDERGROUND SUBMERSIBLE VCB VACUUM CIRCUIT BREAKER (POWER) XFR TRANSFORMER - UNKNOWN TYPE XRT NEUTRAL REACTOR XSS TRANSFORMER - STATION SERVICE |