

**2015**

**Qualifying Events Report**

**December 9, 2015 Event**

Filed on March 4, 2016

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# **Event Description**

### **Event Date and Time**

Start: 12/9/2015, 01:30

End: 12/12/2015, 23:00

### **Event Type**

Wind, Rain

**Service Areas Significantly Affected**

King County, Pierce County, Thurston County, Kitsap County, and Vashon Island

### **Number of Customers Affected**

System wide, approximately 196,605 customers were without power during the course of this event.

### **Summary of System Impacts**

|  |  |
| --- | --- |
| **Total Number of Outages** | **391** |

|  |  |
| --- | --- |
| Transmission Lines Affected | 12 |
| Substations Offline | 4 |

### **Mobilization Summary**

####  Operating Bases Placed In Emergency Status

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Base** | **Date Opened** | **Time Opened** | **Date Closed** | **Time Closed** |
| Whatcom/Skagit/Island | N/A |  |  |  |
| North King | 12/09/2015 | 03:00 | 12/11/2015 | 06:00 |
| South King | 12/09/2015 | 03:00 | 12/11/2015 | 15:00 |
| Pierce | 12/09/2015 | 03:00 | 12/10/2015 | 22:00 |
| Thurston | 12/09/2015 | 03:00 | 12/09/2015 | 22:00 |
| Kitsap | 12/09/2015 | 06:45 | 12/09/2015 | 23:00 |
| Vashon | 12/09/2015 | 06:45 | 12/09/2015 | 23:00 |
| Kittitas | N/A |  |  |  |

####  Emergency Coordination Center (ECC)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ECC** | **Date Opened** | **Time Opened** | **Date Closed** | **Time Closed** |
|  | 12/09/2015 | 04:30 | 12/11/2015 | 08:00 |

# **Active Outage Event Chart**



# **Major Event Day – Qualification**

**IEEE[[1]](#footnote-1) Standard 1366**

IEEE Standard 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of electric system service reliability indices, to identify factors which affect the indices, and to aid in consistent reporting practices among utilities. Also, it provides guidance for new personnel in the reliability area and tools for internal as well as external comparisons. The Major Event Day definition was created as part of IEEE Standard 1366 to allow for consistent calculation of reliability metrics between utilities and enable more valid comparisons with other utility reliability metrics.

|  |
| --- |
| **IEEE Major Event Day Calculation (2.5 BETA METHOD)**1. A threshold on daily SAIDI[[2]](#footnote-2) is computed once a year, following year end
2. Assemble the 5 most recent years of historical values of SAIDI/day
3. Discard any days in the data set that has a SAIDI/day of zero
4. Find the natural logarithm of each value in the data set
5. Compute the average (Alpha) and the standard deviation (Beta) of the natural logarithms computed in step 4
6. Compute the threshold TMED where TMED = exp (Alpha + 2.5 \* Beta)
7. Any day in the next year with SAIDI > Tmed is a major event day
 |
| **Puget Sound Energy’s IEEE Major Event Threshold (TMED ) for 2015: 6.1 Minutes** |

# **Qualified Events - 2015**

### **Current Event – Calculation Detail**

|  |  |  |  |
| --- | --- | --- | --- |
| **Event Date, Time Range** | **Total Customer Minutes** | **Average Customer Count** | **Event SAIDI**(Customer Minutes /Customer Count) |
| 12/09/2015, 01:30 to 12/12/2015, 23:00 | 68,124,157 | 1,114,074 | 61.2 |

### **YTD Daily SAIDI Detail**

(first day that daily SAIDI exceeded PSE’s TMED of 6.1 Minutes by qualifying event)

|  |  |  |
| --- | --- | --- |
| **Date** | **Daily SAIDI****(from midnight to midnight)** | **O&M[[3]](#footnote-3) Costs– Deferrable** **Accumulation** |
| 1/18/2015 | 25.8 |  $ 2,011,173  |
| 8/29/2015 | 208.8 |  $ 5,988,827  |
| 10/10/2015 | 11.1 |  $ -  |
| 11/17/2015 | 187.1 | $ - |
| 11/24/2015 | 43.6 | $ - |
| 12/06/2015 | 8.2 | $ - |
| 12/09/2015 | 46.0 | $ - |

# **Event Restoration – Cost Summary**

### **2015 Restoration Costs Detail by Qualifying Event (updated)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Event Date  | Qualified Events Deferred Account | Capital Costs | O&M - Not Deferrable | O&M - Deferrable Accumulation | Total O&M (*excluding Qualifying Events Deferred Account)* | Total |
| 01/18/2015 |  | $ 255,457 | $ 159,839 | $ 2,011,173 | $ 2,171,012 | $ 2,426,469 |
| 08/29/2015 | $ 5,514,151 | $ 933,263 | $ 1,006,272 | $ 5,988,827 | $ 6,995,100 | $ 13,442,514 |
| 10/10/2015 | $ 798,115 | $ 40,449 | $ 121,231 | $ -  | $ 121,231 |  $ 959,794 |
| 11/17/2015 | $ 8,765,969 | $ 545,182 | $ 792,538 | $ -  | $ 792,538 | $ 10,103,689 |
| 11/24/2015 | $ 1,853,331 | $ 14,517 | $ 148,195 | $ -  | $ 148,195 | $ 2,016,044 |
| 12/06/2015 | $ 832,627  | $ 38,334  | $ 69,966  | $-  | $ 69,966 |  $ 940,927  |
| 12/09/2015 | $ 5,182,090  | $ 316,761  | $ 334,948  | $-  | $ 334,948 |  $ 5,833,799  |

(r) Revised

### **2015 YTD Storm Restoration Costs Detail for All Seven Qualifying Events in 2015**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Qualifying Events Deferred Account | Capital | O&M - Not Deferrable | O&M - Deferrable Accumulation | Total O&M (*excluding Qualifying Events Deferred Account)* | Total |
| $ 22,946,283 | $ 2,143,963 | $ 2,632,990 | $ 8,000,000 | $ 10,632,990 | $ 35,723,236 |

# **Detail Documents**

**Restoration Cost Detail – Current Event**

**Detailed List of Distribution Circuits with Outages**

**Terms, Codes and Definitions Used on Detail Reports**

**Newsprint Media Coverage**

### **Restoration Cost Detail – Current Event**



### **Detailed List of Outages** **- First TMED-Exceeding Day**

**December 9, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00249648-1 | 12/9/2015 | 1:10:12 AM | LEA-13 | EBJ | TV | OCO |  1,657  | 92,930 |
| P00249650-1 | 12/9/2015 | 1:52:00 AM | LOL-21 | ECD | TV | OCO |  3,300  | 204,435 |
| P00249700-1 | 12/9/2015 | 2:15:00 AM | SOO-26 | EBI | TV | OCO |  184  | 28,296 |
| P00249703-1 | 12/9/2015 | 2:17:00 AM | BAR-15 | ECC | TV | OCR |  1,056  | 327,356 |
| P00249704-1 | 12/9/2015 | 2:20:25 AM | POU-16 | ECE | TV | OCO |  186  | 18,336 |
| P00249711-1 | 12/9/2015 | 2:24:00 AM | ELD-23 | ECC | TV | OCO |  80  | 97,323 |
| P00249707-1 | 12/9/2015 | 2:25:00 AM | GRI-16 | ECC | TV | OCO |  14  | 10,912 |
| P00249709-1 | 12/9/2015 | 2:25:00 AM | ROC-16 | ECC | TV | OCO |  173  | 124,880 |
| P00250598-1 | 12/9/2015 | 2:25:00 AM | FAL-13 | EBF | TV | OCO |  6  | 15,018 |
| P00249743-1 | 12/9/2015 | 2:27:13 AM | GRI-15 | ECC | TV | OCO |  406  | 214,761 |
| P00249717-1 | 12/9/2015 | 2:30:05 AM | BLU-13 | ECC | UN | OFU |  77  | 37,450 |
| P00249720-1 | 12/9/2015 | 2:31:00 AM | PRI-23 | ECC | TV | OCO |  80  | 66,215 |
| P00249724-1 | 12/9/2015 | 2:32:00 AM | FRG-24 | ECC | TV | OCO |  42  | 24,707 |
| P00249730-1 | 12/9/2015 | 2:32:00 AM | ELD-25 | ECC | TV | OCO |  46  | 50,778 |
| P00249735-1 | 12/9/2015 | 2:32:00 AM | AIR-23 | ECC | TV | OCO |  313  | 203,153 |
| P00249754-1 | 12/9/2015 | 2:32:00 AM | GRI-16 | ECC | LI | OCO |  82  | 56,835 |
| P00250661-1 | 12/9/2015 | 2:36:00 AM | FRG-25 | ECC | TV | OCO |  17  | 15,025 |
| P00249753-1 | 12/9/2015 | 2:39:00 AM | AIR-23 | ECC | TV | OCO |  458  | 279,943 |
| P00249748-1 | 12/9/2015 | 2:39:10 AM | FRA-15 | ECD | TV | OCO |  1,430  | 110,635 |
| P00249758-1 | 12/9/2015 | 2:40:21 AM | RAI-12 | ECC | TV | OFU |  190  | 79,718 |
| P00249757-1 | 12/9/2015 | 2:43:35 AM | LON-22 | ECC | TV | OCO |  715  | 337,113 |
| P00250801-1 | 12/9/2015 | 2:46:47 AM | ELD-25 | ECC | TV | OCO |  65  | 90,599 |
| P00249763-1 | 12/9/2015 | 2:47:00 AM | MAN-13 | ECD | TV | OCO |  24  | 20,134 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00249767-1 | 12/9/2015 | 2:47:00 AM | FRA-12 | ECD | TV | OCO |  1,119  | 183,955 |
| P00249788-1 | 12/9/2015 | 2:48:29 AM | VAS-13 | EBL | TV | OCO |  1,082  | 148,180 |
| P00249765-1 | 12/9/2015 | 2:48:37 AM | VAS-13 | EBL | TV | OCO |  58  | 35,993 |
| P00249768-1 | 12/9/2015 | 2:49:00 AM | GRV-12 | ECA | TV | UPT |  1  | 1,268 |
| P00250947-1 | 12/9/2015 | 2:49:00 AM | RAI-13 | ECC | FI | OFC |  10  | 9,120 |
| P00249773-1 | 12/9/2015 | 2:49:51 AM | SIN-24 | ECD | TV | OCO |  1,810  | 557,902 |
| P00249824-1 | 12/9/2015 | 2:50:00 AM | LON-25 | ECC | TV | OCO |  279  | 283,087 |
| P00249781-1 | 12/9/2015 | 2:52:00 AM | WIN-13 | ECE | OD | OCO |  57  | 30,585 |
| P00249789-1 | 12/9/2015 | 2:53:00 AM | VAS-13 | EBL | TV | OCO |  218  | 267,439 |
| P00249797-1 | 12/9/2015 | 2:53:00 AM | HEM-15 | ECA | TV | OCO |  820  | 523,010 |
| P00249799-1 | 12/9/2015 | 2:53:00 AM | STW-16 | ECA | LI | OTR |  9  | 12,792 |
| P00249798-1 | 12/9/2015 | 2:53:52 AM | MAN-12 | ECD | TV | OCO |  98  | 21,539 |
| P00249816-1 | 12/9/2015 | 2:54:00 AM | RDO-12 | EBJ | TV | OCO |  1,285  | 463,165 |
| P00249869-1 | 12/9/2015 | 2:54:00 AM | VAS-23 | EBL | TV | OCO |  125  | 156,666 |
| P00249801-1 | 12/9/2015 | 2:54:06 AM | YEL-27 | ECC | EF | OFU |  269  | 144,130 |
| P00249812-1 | 12/9/2015 | 2:55:00 AM | VAS-12 | EBL | TV | OCO |  10  | 11,478 |
| P00249862-1 | 12/9/2015 | 2:55:15 AM | HEM-15 | ECA | TV | OFU |  120  | 85,812 |
| P00249855-1 | 12/9/2015 | 2:56:00 AM | LAT-17 | EBJ | TV | OCO |  2,243  | 861,021 |
| P00249948-1 | 12/9/2015 | 2:56:00 AM | LON-17 | ECC | TV | OCO |  75  | 46,791 |
| P00249823-1 | 12/9/2015 | 2:56:52 AM | STA-16 | EBJ | TV | OCO |  408  | 302,546 |
| P00249853-1 | 12/9/2015 | 2:57:00 AM | HEM-17 | ECA | TV | OCO |  762  | 194,739 |
| P00250541-1 | 12/9/2015 | 2:58:17 AM | VAS-12 | EBL | TV | OCO |  231  | 69,821 |
| P00249843-1 | 12/9/2015 | 2:59:00 AM | WOO-26 | ECA | TV | OPO |  56  | 25,367 |
| P00249852-1 | 12/9/2015 | 2:59:00 AM | ORT-22 | ECA | UN | OCO |  2,137  | 2,263,436 |
| P00249858-1 | 12/9/2015 | 3:00:00 AM | MVW-13 | EBJ | TV | OCO |  148  | 137,981 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00249859-1 | 12/9/2015 | 3:00:32 AM | RHO-17 | ECA | TV | OCO |  551  | 246,224 |
| P00249863-1 | 12/9/2015 | 3:00:42 AM | CTR-22 | EBJ | TV | OCO |  1,412  | 156,866 |
| P00249871-1 | 12/9/2015 | 3:01:00 AM | KAP-15 | ECA | TV | OCO |  1,123  | 395,820 |
| P00251295-1 | 12/9/2015 | 3:01:00 AM | KAP-15 | ECA | TV | OCO |  73  | 71,787 |
| P00249865-1 | 12/9/2015 | 3:01:12 AM | ORC-13 | EBJ | TV | OCO |  2,667  | 179,356 |
| P00249873-1 | 12/9/2015 | 3:01:41 AM | MVW-13 | EBJ | TV | OCO |  99  | 64,164 |
| P00249875-1 | 12/9/2015 | 3:02:00 AM | SOO-25 | EBI | TV | OCO |  1,640  | 363,809 |
| P00250451-1 | 12/9/2015 | 3:02:00 AM | CTR-25 | EBJ | TV | OCO |  126  | 37,684 |
| P00249879-1 | 12/9/2015 | 3:02:12 AM | FWD-17 | EBJ | TV | OCO |  1,515  | 487,906 |
| P00250059-1 | 12/9/2015 | 3:02:35 AM | CAM-25 | EBJ | TV | OCO |  326  | 95,648 |
| P00249882-1 | 12/9/2015 | 3:02:37 AM | KNO-13 | ECA | EF | OHR |  2,987  | 698,301 |
| P00249877-1 | 12/9/2015 | 3:03:00 AM | LEA-17 | EBJ | TV | OCO |  -  | 60,953 |
| P00249878-1 | 12/9/2015 | 3:03:00 AM | EVA-27 | EBJ | TV | OCO |  9  | 20,471 |
| P00249872-1 | 12/9/2015 | 3:03:23 AM | GAR-13 | ECA | TV | OHR |  6  | 6,853 |
| P00249895-1 | 12/9/2015 | 3:03:52 AM | ORT-23 | ECA | TV | OCO |  -  | 804,026 |
| P00249880-1 | 12/9/2015 | 3:04:00 AM | LON-23 | ECC | TV | OCO |  208  | 182,087 |
| P00249947-1 | 12/9/2015 | 3:04:00 AM | MER-12 | EBE | TV | OCO |  162  | 483,205 |
| P00250052-1 | 12/9/2015 | 3:04:00 AM | TLN-0045 | EBE | TV | OCO |  -  | 13,624 |
| P00249900-1 | 12/9/2015 | 3:04:17 AM | KAP-16 | ECA | TV | OCO |  558  | 240,107 |
| P00250516-1 | 12/9/2015 | 3:04:49 AM | MER-13 | EBE | TV | OCO |  998  | 165,484 |
| P00249894-1 | 12/9/2015 | 3:05:00 AM | KAP-16 | ECA | TV | OCO |  37  | 33,746 |
| P00249950-1 | 12/9/2015 | 3:05:00 AM | RHO-15 | ECA | TV | OPO |  2,015  | 759,655 |
| P00250111-1 | 12/9/2015 | 3:05:00 AM | TLN-0035 | ECA | TV | OCO |  1,615  | 325,153 |
| P00251787-1 | 12/9/2015 | 3:05:16 AM | ORT-22 | ECA | TV | OCO |  104  | 208,246 |
| P00249896-1 | 12/9/2015 | 3:05:25 AM | VAS-12 | EBL | TV | OSV |  1  | 1,175 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00249915-1 | 12/9/2015 | 3:05:53 AM | HAZ-13 | EBE | TV | OCO |  4,251  | 1,694,449 |
| P00250054-1 | 12/9/2015 | 3:06:00 AM | PIP-22 | EBI | TV | OCO |  196  | 393,562 |
| P00250110-1 | 12/9/2015 | 3:06:00 AM | SOO-23 | EBI | TV | OCO |  296  | 215,671 |
| P00249910-1 | 12/9/2015 | 3:07:03 AM | SHA-13 | ECA | TV | OCO |  194  | 36,912 |
| P00249937-1 | 12/9/2015 | 3:07:03 AM | WOO-23 | ECA | TV | OCO |  951  | 356,784 |
| P00250159-1 | 12/9/2015 | 3:07:07 AM | GLC-15 | EBJ | TV | OCO |  142  | 99,028 |
| P00249941-1 | 12/9/2015 | 3:07:33 AM | ORT-25 | ECA | TV | OCO |  1,440  | 456,096 |
| P00251025-1 | 12/9/2015 | 3:07:40 AM | LMC-27 | EBE | TV | OCO |  50  | 37,987 |
| P00249923-1 | 12/9/2015 | 3:08:00 AM | HAZ-16 | EBE | UN | OCO |  125  | 98,748 |
| P00249980-1 | 12/9/2015 | 3:08:00 AM | SHD-18 | EBI | TV | OCO |  23  | 11,565 |
| P00250336-1 | 12/9/2015 | 3:08:00 AM | TLN-0173 | EBJ | TV | OCO |  2,462  | 687,841 |
| P00250353-1 | 12/9/2015 | 3:08:00 AM | TLN-0173 | EBJ | TV | OCO |  -  | 28,434 |
| P00250620-1 | 12/9/2015 | 3:08:07 AM | LMC-23 | EBE | TV | OCO |  929  | 526,836 |
| P00250559-1 | 12/9/2015 | 3:08:24 AM | LWS-16 | EBJ | TV | OCO |  59  | 58,771 |
| P00251743-1 | 12/9/2015 | 3:08:32 AM | OSC-23 | EBI | TV | OCO |  24  | 13,179 |
| P00249933-1 | 12/9/2015 | 3:08:36 AM | FRG-25 | ECC | TV | OSV |  4  | 2,820 |
| P00251095-1 | 12/9/2015 | 3:08:41 AM | BOW-26 | EBJ | TV | OCO |  92  | 54,857 |
| P00249951-1 | 12/9/2015 | 3:09:00 AM | MAN-13 | ECD | TV | OCO |  32  | 20,087 |
| P00249958-1 | 12/9/2015 | 3:09:00 AM | SHD-18 | EBI | TV | OCO |  19  | 6,857 |
| P00249985-1 | 12/9/2015 | 3:09:00 AM | LHL-22 | EBE | TV | OCO |  1,012  | 320,063 |
| P00250102-1 | 12/9/2015 | 3:09:00 AM | PIP-22 | EBI | TV | OCO |  221  | 217,818 |
| P00250623-1 | 12/9/2015 | 3:09:06 AM | LMC-25 | EBE | TV | OCO |  744  | 193,998 |
| P00250626-1 | 12/9/2015 | 3:09:30 AM | LMC-27 | EBE | TV | OCO |  758  | 315,302 |
| P00251342-1 | 12/9/2015 | 3:09:32 AM | LMC-27 | EBE | TV | OCO |  142  | 125,057 |
| P00249966-1 | 12/9/2015 | 3:10:00 AM | EAR-17 | EBJ | TV | OCO |  111  | 120,701 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00249978-1 | 12/9/2015 | 3:10:00 AM | SEQ-22 | EBJ | TV | OCO |  8  | 12,493 |
| P00250086-1 | 12/9/2015 | 3:10:00 AM | EAR-17 | EBJ | TV | OCO |  266  | 306,649 |
| P00250311-1 | 12/9/2015 | 3:10:00 AM | TLN-0152 | EBI | TV | OCO |  -  | 4,962 |
| P00250976-1 | 12/9/2015 | 3:10:49 AM | HOB-16 | EBI | TV | OCO |  1,425  | 1,011,737 |
| P00249993-1 | 12/9/2015 | 3:11:00 AM | MAP-13 | EBE | TV | OCO |  68  | 85,794 |
| P00249995-1 | 12/9/2015 | 3:11:10 AM | BON-15 | ECA | TV | OCO |  24  | 17,683 |
| P00250222-1 | 12/9/2015 | 3:11:10 AM | BDI-13 | EBI | TV | OCO |  770  | 765,072 |
| P00250962-1 | 12/9/2015 | 3:11:37 AM | HOB-17 | EBI | TV | OCO |  946  | 684,235 |
| P00250074-1 | 12/9/2015 | 3:11:41 AM | LWS-12 | EBJ | TV | OCO |  824  | 1,038,211 |
| P00250012-1 | 12/9/2015 | 3:11:49 AM | MAP-15 | EBE | TV | OCN |  26  | 20,160 |
| P00250981-1 | 12/9/2015 | 3:11:51 AM | HOB-15 | EBI | TV | OCO |  175  | 1,064,900 |
| P00250020-1 | 12/9/2015 | 3:12:00 AM | MAP-13 | EBE | TV | OPO |  67  | 75,621 |
| P00250045-1 | 12/9/2015 | 3:12:00 AM | SUN-14 | ECA | TV | OFU |  89  | 67,650 |
| P00250088-1 | 12/9/2015 | 3:12:00 AM | LWS-12 | EBJ | TV | OCO |  70  | 102,000 |
| P00250173-1 | 12/9/2015 | 3:12:00 AM | BUC-26 | ECA | TV | OCO |  172  | 107,665 |
| P00250183-1 | 12/9/2015 | 3:12:00 AM | FCR-12 | EBI | TV | OCO |  2,892  | 1,765,216 |
| P00250107-1 | 12/9/2015 | 3:12:07 AM | WAB-13 | EBI | TV | OCO |  238  | 108,714 |
| P00250668-1 | 12/9/2015 | 3:12:14 AM | FWD-13 | EBJ | TV | OCO |  1,730  | 622,598 |
| P00250532-1 | 12/9/2015 | 3:12:16 AM | PLA-21 | EBD | TV | OCO |  2,288  | 84,014 |
| P00250538-1 | 12/9/2015 | 3:12:16 AM | PLA-23 | EBD | TV | OCO |  1,574  | 537,587 |
| P00250670-1 | 12/9/2015 | 3:12:38 AM | FWD-16 | EBJ | TV | OCO |  2,199  | 760,964 |
| P00250070-1 | 12/9/2015 | 3:13:00 AM | ZEN-23 | EBJ | TV | OCO |  67  | 90,415 |
| P00250149-1 | 12/9/2015 | 3:13:00 AM | BDI-15 | EBI | TV | OCO |  168  | 117,919 |
| P00250417-1 | 12/9/2015 | 3:13:00 AM | LMD-16 | EBJ | TV | OCO |  81  | 60,850 |
| P00250492-1 | 12/9/2015 | 3:13:00 AM | LWS-15 | EBJ | TV | OCO |  84  | 79,097 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00250669-1 | 12/9/2015 | 3:13:09 AM | FWD-15 | EBJ | TV | OCO |  2,121  | 422,927 |
| P00250853-1 | 12/9/2015 | 3:13:09 AM | RHO-13 | ECA | TV | OSW |  1,804  | 1,099,749 |
| P00251644-1 | 12/9/2015 | 3:13:21 AM | BDI-15 | EBI | TV | OCO |  -  | 26,300 |
| P00250080-1 | 12/9/2015 | 3:13:27 AM | LMD-16 | EBJ | TV | OCO |  5  | 4,802 |
| P00250363-1 | 12/9/2015 | 3:13:39 AM | FRA-13 | ECD | TV | OCO |  105  | 55,363 |
| P00250122-1 | 12/9/2015 | 3:14:00 AM | RHO-16 | ECA | TV | OCO |  19  | 26,147 |
| P00250244-1 | 12/9/2015 | 3:14:00 AM | TLN-0257 | EBD | TV | OCO |  -  | 181,976 |
| P00250359-1 | 12/9/2015 | 3:14:00 AM | BDI-13 | EBI | TV | OCO |  248  | 147,155 |
| P00250636-1 | 12/9/2015 | 3:14:10 AM | ENU-17 | EBI | TV | OCO |  90  | 61,651 |
| P00250524-1 | 12/9/2015 | 3:14:17 AM | OSC-23 | EBI | TV | OCO |  15  | 14,087 |
| P00250335-1 | 12/9/2015 | 3:14:32 AM | PIP-22 | EBI | TV | OCO |  39  | 46,478 |
| P00250131-1 | 12/9/2015 | 3:14:51 AM | HAZ-16 | EBE | TV | OCO |  2  | 971 |
| P00250151-1 | 12/9/2015 | 3:15:00 AM | LEA-16 | EBJ | TV | OCO |  -  | 5,660 |
| P00250269-1 | 12/9/2015 | 3:15:00 AM | TLN-0257 | EBD | TV | OCO |  2,055  | 416,765 |
| P00250271-1 | 12/9/2015 | 3:16:07 AM | BUC-16 | ECA | TV | OCO |  630  | 74,886 |
| P00250648-1 | 12/9/2015 | 3:16:09 AM | SAH-17 | EBD | TV | OCO |  714  | 366,366 |
| P00250481-1 | 12/9/2015 | 3:17:00 AM | SOO-23 | EBI | TV | OCO |  49  | 47,127 |
| P00250213-1 | 12/9/2015 | 3:17:02 AM | NBO-26 | EBD | OD | OIN |  47  | 19,359 |
| P00252003-1 | 12/9/2015 | 3:17:41 AM | HOB-17 | EBI | TV | OCO |  24  | 23,933 |
| P00250643-1 | 12/9/2015 | 3:17:42 AM | SAH-15 | EBD | TV | OCO |  1,374  | 707,243 |
| P00250261-1 | 12/9/2015 | 3:18:00 AM | HWD-25 | EBD | TV | OCO |  24  | 18,241 |
| P00250268-1 | 12/9/2015 | 3:18:43 AM | MHT-17 | EBJ | TV | OTF |  8  | 7,002 |
| P00250534-1 | 12/9/2015 | 3:19:36 AM | PLA-24 | EBD | TV | OCO |  -  | 239,202 |
| P00250410-1 | 12/9/2015 | 3:20:00 AM | LMD-16 | EBJ | TV | OFC |  13  | 12,122 |
| P00250645-1 | 12/9/2015 | 3:20:15 AM | SAH-16 | EBD | TV | OCO |  1,575  | 840,289 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00251629-1 | 12/9/2015 | 3:22:12 AM | FAL-15 | EBF | TV | OCO |  -  | 125,126 |
| P00250360-1 | 12/9/2015 | 3:22:12 AM | FAL-15 | EBF | TV | OCO |  252  | 120,645 |
| P00250385-1 | 12/9/2015 | 3:22:28 AM | PIN-27 | EBD | TV | OCO |  81  | 60,655 |
| P00250329-1 | 12/9/2015 | 3:22:55 AM | SME-15 | EBE | TV | OTF |  8  | 4,265 |
| P00250330-1 | 12/9/2015 | 3:22:56 AM | CAM-25 | EBJ | TV | OTF |  3  | 1,715 |
| P00250344-1 | 12/9/2015 | 3:24:00 AM | MIR-16 | EBF | OD | OSV |  1  | 1,237 |
| P00250392-1 | 12/9/2015 | 3:25:00 AM | TLN-0157 | EBI | TV | OCO |  -  | 99,684 |
| P00250358-1 | 12/9/2015 | 3:25:50 AM | PHA-13 | EBE | TV | OTF |  7  | 4,761 |
| P00250535-1 | 12/9/2015 | 3:26:00 AM | PLA-22 | EBD | TV | OCO |  1,518  | 256,846 |
| P00250362-1 | 12/9/2015 | 3:26:01 AM | SWE-27 | EBJ | TV | OSV |  3  | 2,474 |
| P00250368-1 | 12/9/2015 | 3:27:00 AM | GAR-12 | ECA | EF | OTR |  1  | 2,105 |
| P00250369-1 | 12/9/2015 | 3:27:00 AM | FRG-24 | ECC | TV | OCO |  14  | 10,481 |
| P00250372-1 | 12/9/2015 | 3:27:00 AM | NBE-16 | EBF | TV | OCO |  29  | 42,249 |
| P00250418-1 | 12/9/2015 | 3:27:00 AM | TOL-15 | EBD | TV | OCO |  141  | 94,524 |
| P00250370-1 | 12/9/2015 | 3:27:11 AM | PMA-13 | ECE | TV | OCO |  4  | 683 |
| P00251315-1 | 12/9/2015 | 3:28:00 AM | TLN-0157 | EBI | TV | OCO |  6  | 3,289 |
| P00251391-1 | 12/9/2015 | 3:28:25 AM | TLN-0116 | EBF | TV | OCO |  -  | 2,433,370 |
| P00250390-1 | 12/9/2015 | 3:29:00 AM | NBE-16 | EBF | TV | OCO |  59  | 42,250 |
| P00250387-1 | 12/9/2015 | 3:29:03 AM | BTR-22 | EBE | TV | OCO |  53  | 25,416 |
| P00251074-1 | 12/9/2015 | 3:29:37 AM | GWR-13 | EBI | TV | OCO |  383  | 1,500,325 |
| P00250391-1 | 12/9/2015 | 3:29:46 AM | GRI-16 | ECC | TV | OFU |  40  | 24,029 |
| P00250395-1 | 12/9/2015 | 3:31:00 AM | GAR-15 | ECA | EF | OTR |  6  | 8,697 |
| P00250462-1 | 12/9/2015 | 3:31:24 AM | FAL-16 | EBF | TV | OCO |  17  | 17,893 |
| P00250403-1 | 12/9/2015 | 3:32:46 AM | KWH-22 | EBE | TV | OCO |  15  | 11,544 |
| P00250407-1 | 12/9/2015 | 3:33:00 AM | OSC-22 | EBI | TV | OCO |  29  | 57,593 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00250486-1 | 12/9/2015 | 3:33:29 AM | TOL-15 | EBD | TV | OCO |  70  | 23,875 |
| P00250409-1 | 12/9/2015 | 3:33:34 AM | MLK-15 | EBE | TV | OSV |  4  | 3,226 |
| P00251901-1 | 12/9/2015 | 3:35:00 AM | MIR-15 | EBF | TV | OCO |  27  | 10,510 |
| P00251902-1 | 12/9/2015 | 3:35:53 AM | MIR-15 | EBF | TV | OCO |  -  | 13,140 |
| P00251407-1 | 12/9/2015 | 3:37:12 AM | KAP-15 | ECA | TV | OCO |  -  | 38,118 |
| P00250446-1 | 12/9/2015 | 3:37:39 AM | FCR-14 | EBI | TV | OCO |  117  | 122,191 |
| P00250429-1 | 12/9/2015 | 3:38:00 AM | MAP-15 | EBE | TV | OCO |  4  | 5,735 |
| P00251967-1 | 12/9/2015 | 3:41:21 AM | NBE-15 | EBF | TV | OCO |  33  | 39,417 |
| P00250442-1 | 12/9/2015 | 3:45:00 AM | KAP-16 | ECA | TV | OCO |  7  | 8,584 |
| P00250711-1 | 12/9/2015 | 3:47:25 AM | PIK-21 | EBF | TV | OCO |  17  | 10,970 |
| P00250449-1 | 12/9/2015 | 3:47:51 AM | LOL-21 | ECD | TV | OCO |  68  | 1,909 |
| P00250450-1 | 12/9/2015 | 3:49:19 AM | FCR-13 | EBI | TV | OCO |  7  | 5,829 |
| P00250703-1 | 12/9/2015 | 3:50:00 AM | FNW-16 | ECD | TV | OPO |  1,429  | 387,017 |
| P00250469-1 | 12/9/2015 | 3:52:00 AM | PIN-26 | EBD | TV | OCO |  10  | 11,709 |
| P00250467-1 | 12/9/2015 | 3:54:00 AM | PIN-26 | EBD | TV | OCO |  10  | 7,119 |
| P00250466-1 | 12/9/2015 | 3:54:33 AM | SKE-22 | ECE | TV | OCO |  13  | 5,927 |
| P00250475-1 | 12/9/2015 | 3:59:51 AM | HYA-15 | EBF | TV | OCO |  72  | 39,552 |
| P00250493-1 | 12/9/2015 | 4:01:47 AM | HYA-13 | EBF | TV | OCO |  810  | 442,503 |
| P00250487-1 | 12/9/2015 | 4:04:00 AM | BUC-15 | ECA | TV | OCO |  12  | 21,210 |
| P00251290-1 | 12/9/2015 | 4:04:05 AM | TOL-15 | EBD | TV | OCO |  68  | 37,195 |
| P00250584-1 | 12/9/2015 | 4:05:27 AM | BDI-15 | EBI | TV | OCO |  17  | 11,061 |
| P00250499-1 | 12/9/2015 | 4:07:00 AM | PIK-21 | EBF | TV | OCO |  85  | 38,750 |
| P00250512-1 | 12/9/2015 | 4:14:27 AM | PLG-13 | ECC | TV | OFU |  44  | 21,424 |
| P00250631-1 | 12/9/2015 | 4:20:40 AM | DGR-13 | ECA | OD | OCO |  57  | 44,023 |
| P00250540-1 | 12/9/2015 | 4:29:00 AM | SHD-18 | EBI | TV | OCO |  15  | 25,523 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00250542-1 | 12/9/2015 | 4:30:00 AM | PIP-23 | EBI | TV | OCO |  6  | 13,537 |
| P00250543-1 | 12/9/2015 | 4:30:57 AM | KAP-13 | ECA | OD | OSV |  2  | 2,251 |
| P00250550-1 | 12/9/2015 | 4:36:02 AM | DUV-15 | EBD | TV | OCO |  5  | 3,921 |
| P00251003-1 | 12/9/2015 | 4:39:00 AM | LUH-14 | ECC | TV | OCO |  17  | 26,863 |
| P00250577-1 | 12/9/2015 | 4:39:42 AM | SLA-15 | EAA | EF | OCO |  168  | 17,374 |
| P00250557-1 | 12/9/2015 | 4:42:20 AM | FLC-15 | EBJ | TV | OCO |  21  | 29,213 |
| P00251657-1 | 12/9/2015 | 4:47:44 AM | EDG-16 | ECA | TV | OFU |  8  | 5,964 |
| P00250567-1 | 12/9/2015 | 4:54:48 AM | SAH-13 | EBD | TV | OCO |  1,642  | 693,512 |
| P00250566-1 | 12/9/2015 | 4:54:49 AM | OSC-22 | EBI | TV | OCO |  1  | 1,744 |
| P00250568-1 | 12/9/2015 | 4:56:23 AM | GAR-12 | ECA | TV | OFU |  4  | 3,834 |
| P00250569-1 | 12/9/2015 | 4:57:02 AM | GRI-16 | ECC | TV | OFU |  59  | 34,152 |
| P00250571-1 | 12/9/2015 | 4:59:06 AM | VAS-12 | EBL | TV | OCO |  3  | 3,187 |
| P00251381-1 | 12/9/2015 | 5:04:09 AM | LMC-27 | EBE | TV | OCO |  -  | 788 |
| P00250596-1 | 12/9/2015 | 5:10:00 AM | VAS-13 | EBL | TV | OCO |  52  | 34,845 |
| P00250833-1 | 12/9/2015 | 5:12:25 AM | FRA-01 | ECD | TV | OCO |  4,424  | 731,438 |
| P00250592-1 | 12/9/2015 | 5:14:00 AM | CED-17 | ECA | TV | OCO |  16  | 20,248 |
| P00250604-1 | 12/9/2015 | 5:24:38 AM | FAL-15 | EBF | TV | OTF |  2  | 1,978 |
| P00250609-1 | 12/9/2015 | 5:26:00 AM | LON-17 | ECC | UN | OTF |  -  | 740 |
| P00251950-1 | 12/9/2015 | 5:27:47 AM | MIR-17 | EBF | TV | OCO |  9  | 10,656 |
| P00251855-1 | 12/9/2015 | 5:28:00 AM | VAS-13 | EBL | TV | OCO |  21  | 12,941 |
| P00250625-1 | 12/9/2015 | 5:33:06 AM | LMC-26 | EBE | TV | OCO |  4  | 255 |
| P00250676-1 | 12/9/2015 | 5:35:00 AM | VAS-13 | EBL | TV | OCO |  248  | 130,307 |
| P00251014-1 | 12/9/2015 | 5:35:37 AM | VAS-13 | EBL | TV | OCO |  -  | 569 |
| P00250630-1 | 12/9/2015 | 5:36:38 AM | ETN-15 | EBH | TV | OCO |  1  | 984 |
| P00251057-1 | 12/9/2015 | 5:38:08 AM | VAS-13 | EBL | TV | OCO |  13  | 7,049 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00251875-1 | 12/9/2015 | 5:39:16 AM | HOB-17 | EBI | TV | OCO |  -  | 2,831 |
| P00250638-1 | 12/9/2015 | 5:42:00 AM | LWS-16 | EBJ | TV | OCO |  33  | 39,010 |
| P00250644-1 | 12/9/2015 | 5:45:00 AM | SIN-25 | ECD | TV | OCO |  481  | 15,348 |
| P00250658-1 | 12/9/2015 | 5:47:05 AM | FNW-16 | ECD | TV | OCO |  54  | 14,637 |
| P00251013-1 | 12/9/2015 | 5:50:07 AM | VAS-13 | EBL | TV | OCO |  -  | 199 |
| P00250652-1 | 12/9/2015 | 5:50:12 AM | PIP-26 | EBI | TV | OSV |  1  | 1,134.00 |
| P00250881-1 | 12/9/2015 | 5:59:00 AM | OVE-13 | EBE | TV | OCO |  322  | 129,548 |
| P00250679-1 | 12/9/2015 | 6:03:00 AM | DUV-15 | EBD | TV | OCO |  7  | 7,549 |
| P00250854-1 | 12/9/2015 | 6:12:24 AM | FNW-17 | ECD | TV | OCO |  1,678  | 430,280 |
| P00250925-1 | 12/9/2015 | 6:20:00 AM | TLN-0147 | ECC | TV | OCO |  2,087  | 225,813 |
| P00250782-1 | 12/9/2015 | 6:20:55 AM | VIS-26 | EAA | TV | OHR |  395  | 19,632 |
| P00252273-1 | 12/9/2015 | 6:22:09 AM | GAR-12 | ECA | EF | OTR |  73  | 32,134 |
| P00251228-1 | 12/9/2015 | 6:22:35 AM | FRA-15 | ECD | TV | OCO |  1,430  | 414,474 |
| P00250844-1 | 12/9/2015 | 6:25:00 AM | CHA-16 | ECC | TV | OCO |  1,469  | 158,449 |
| P00250852-1 | 12/9/2015 | 6:28:00 AM | WLK-13 | ECA | TV | OCO |  676  | 427,300 |
| P00250850-1 | 12/9/2015 | 6:28:37 AM | LAC-17 | ECC | TV | OTF |  3  | 1,253 |
| P00250875-1 | 12/9/2015 | 6:34:00 AM | WLK-13 | ECA | TV | OCO |  18  | 18,497 |
| P00250877-1 | 12/9/2015 | 6:34:00 AM | RED-13 | EBD | TV | OCO |  916  | 98,912 |
| P00250898-1 | 12/9/2015 | 6:41:24 AM | KWH-22 | EBE | TV | OTF |  3  | 1,679 |
| P00250902-1 | 12/9/2015 | 6:42:38 AM | FAL-13 | EBF | TV | OCO |  17  | 38,463 |
| P00250948-1 | 12/9/2015 | 6:45:00 AM | VAS-22 | EBL | TV | OCO |  8  | 8,198 |
| P00251002-1 | 12/9/2015 | 6:45:00 AM | SOO-25 | EBI | TV | OCO |  769  | 679,172 |
| P00250959-1 | 12/9/2015 | 6:47:00 AM | SOO-25 | EBI | TV | OCO |  101  | 36,490 |
| P00250933-1 | 12/9/2015 | 6:48:20 AM | HAZ-15 | EBE | UN | OCO |  6  | 2,637 |
| P00250955-1 | 12/9/2015 | 6:57:00 AM | CAS-15 | EBH | TV | OCO |  8  | 7,871 |
| P00250965-1 | 12/9/2015 | 7:03:00 AM | MSI-24 | EBF | TV | OCO |  11  | 10,536 |
| P00250966-1 | 12/9/2015 | 7:03:46 AM | TOL-16 | EBD | TV | OCO |  25  | 9,882 |
| P00250974-1 | 12/9/2015 | 7:04:15 AM | LUH-14 | ECC | TV | OCO |  2  | 1,494 |
| P00250975-1 | 12/9/2015 | 7:05:00 AM | LWS-12 | EBJ | TV | OCO |  8  | 10,302 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00250993-1 | 12/9/2015 | 7:06:00 AM | PHA-15 | EBE | TV | OCO |  96  | 30,723 |
| P00251058-1 | 12/9/2015 | 7:07:00 AM | RHO-16 | ECA | TV | OHR |  268  | 378,749 |
| P00251015-1 | 12/9/2015 | 7:12:59 AM | VAS-13 | EBL | TV | OCO |  -  | 32 |
| P00251004-1 | 12/9/2015 | 7:13:00 AM | ING-17 | EBD | TV | OCO |  83  | 33,036 |
| P00251027-1 | 12/9/2015 | 7:17:00 AM | BUC-16 | ECA | TV | OCO |  9  | 9,987 |
| P00251031-1 | 12/9/2015 | 7:18:00 AM | WAB-13 | EBI | TV | OCO |  4  | 6,099 |
| P00251038-1 | 12/9/2015 | 7:20:16 AM | BLU-13 | ECC | UN | UEL |  3  | 2,830 |
| P00251156-1 | 12/9/2015 | 7:21:56 AM | WLK-15 | ECA | TV | OCO |  22  | 44,070 |
| P00251059-1 | 12/9/2015 | 7:24:59 AM | PAT-17 | ECC | LI | OTF |  4  | 3,446 |
| P00251065-1 | 12/9/2015 | 7:28:27 AM | PHA-13 | EBE | TV | OCO |  8  | 3,317 |
| P00251149-1 | 12/9/2015 | 7:30:21 AM | LMC-25 | EBE | TV | OCO |  78  | 31,790 |
| P00251073-1 | 12/9/2015 | 7:31:01 AM | ENU-17 | EBI | TV | OCO |  -  | 368 |
| P00251075-1 | 12/9/2015 | 7:31:39 AM | GWR-16 | EBI | TV | OCO |  395  | 1,205,659 |
| P00251076-1 | 12/9/2015 | 7:32:18 AM | LYO-11 | EBJ | TV | OCO |  -  | 5,593 |
| P00251099-1 | 12/9/2015 | 7:34:43 AM | LYO-12 | EBJ | TV | OCO |  1,256  | 133,868 |
| P00251107-1 | 12/9/2015 | 7:34:55 AM | LYO-15 | EBJ | TV | OCO |  1,212  | 171,216 |
| P00251088-1 | 12/9/2015 | 7:35:33 AM | FRA-13 | ECD | TV | OCO |  -  | 521 |
| P00251083-1 | 12/9/2015 | 7:35:47 AM | NBO-26 | EBD | TV | OCO |  48  | 7,882 |
| P00251089-1 | 12/9/2015 | 7:37:16 AM | FRG-24 | ECC | TV | OFU |  73  | 8,780 |
| P00251110-1 | 12/9/2015 | 7:45:00 AM | WLK-15 | ECA | TV | OCO |  41  | 37,246 |
| P00251129-1 | 12/9/2015 | 7:52:00 AM | MIR-17 | EBF | TV | OIN |  36  | 3,443 |
| P00251665-1 | 12/9/2015 | 7:55:00 AM | FRA-12 | ECD | TV | OCO |  15  | 10,491 |
| P00251136-1 | 12/9/2015 | 7:55:07 AM | ASB-13 | EBJ | OD | OCO |  13  | 4,031 |
| P00251877-1 | 12/9/2015 | 8:08:37 AM | HOB-17 | EBI | TV | OCO |  13  | 7,267 |
| P00251615-1 | 12/9/2015 | 8:09:40 AM | HAR-22 | EBJ | UN | OCO |  4  | 3,649 |
| P00251181-1 | 12/9/2015 | 8:14:00 AM | LOL-21 | ECD | TV | OCO |  6  | 2,796 |
| P00251185-1 | 12/9/2015 | 8:14:00 AM | FRA-12 | ECD | TV | OCO |  16  | 11,408 |
| P00251131-1 | 12/9/2015 | 8:16:08 AM | FRG-24 | ECC | TV | OCO |  -  | 3,674 |
| P00251191-1 | 12/9/2015 | 8:17:00 AM | ORT-23 | ECA | TV | OTR |  79  | 129,053 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00251196-1 | 12/9/2015 | 8:18:14 AM | HWD-26 | EBD | OD | OCO |  1  | 342 |
| P00251941-1 | 12/9/2015 | 8:19:00 AM | ORT-23 | ECA | TV | OCO |  92  | 137,523 |
| P00252075-1 | 12/9/2015 | 8:29:51 AM | KCR-16 | EBJ | TV | OCO |  8  | 10,797 |
| P00251256-1 | 12/9/2015 | 8:36:00 AM | WOD-15 | EBH | EF | OTR |  1  | 1,089 |
| P00251259-1 | 12/9/2015 | 8:38:34 AM | HAZ-15 | EBE | TV | OCO |  2  | 602 |
| P00251341-1 | 12/9/2015 | 8:39:00 AM | FNW-16 | ECD | TV | OCO |  58  | 19,498 |
| P00251268-1 | 12/9/2015 | 8:42:03 AM | ASB-13 | EBJ | TV | OCO |  4  | 1,772 |
| P00251335-1 | 12/9/2015 | 8:43:00 AM | BHS-14 | EAA | TV | OFU |  4  | 1,014 |
| P00251289-1 | 12/9/2015 | 8:48:01 AM | NNO-15 | EBJ | TV | OSV |  1  | 858 |
| P00251303-1 | 12/9/2015 | 8:52:00 AM | PEA-15 | EBJ | TV | OSV |  4  | 1,714 |
| P00251306-1 | 12/9/2015 | 8:53:32 AM | CAM-25 | EBJ | TV | OCO |  8  | 1,934 |
| P00251328-1 | 12/9/2015 | 9:01:00 AM | UHL-25 | EBD | TV | OCO |  3  | 1,392 |
| P00251346-1 | 12/9/2015 | 9:07:22 AM | KAP-15 | ECA | EF | OHR |  -  | 197,574 |
| P00251536-1 | 12/9/2015 | 9:12:43 AM | LYO-15 | EBJ | TV | OCO |  163  | 31,972 |
| P00251360-1 | 12/9/2015 | 9:14:50 AM | FWD-17 | EBJ | TV | OCO |  6  | 5,317 |
| P00251378-1 | 12/9/2015 | 9:23:00 AM | WIS-13 | EBF | TV | OCO |  2  | 1,571 |
| P00251394-1 | 12/9/2015 | 9:27:57 AM | BEL-25 | EBJ | TV | OSV |  1  | 525 |
| P00251399-1 | 12/9/2015 | 9:30:00 AM | ELD-27 | ECC | TV | OCO |  1  | 1,938 |
| P00252253-1 | 12/9/2015 | 9:38:00 AM | EDG-16 | ECA | TV | OSV |  1  | 1,702 |
| P00251439-1 | 12/9/2015 | 9:43:58 AM | LYO-12 | EBJ | TV | OCO |  83  | 64,357 |
| P00251451-1 | 12/9/2015 | 9:48:00 AM | PAN-14 | EBJ | TV | OCO |  1  | 2,671 |
| P00250907-2 | 12/9/2015 | 9:50:28 AM | UHL-23 | EBD | TV | OCO |  219  | 17,053 |
| P00251462-1 | 12/9/2015 | 9:53:00 AM | SHD-18 | EBI | ND | OTR |  2  | 5,476 |
| P00251472-1 | 12/9/2015 | 9:59:00 AM | MSI-24 | EBF | TV | OCO |  2  | 1,526 |
| P00251352-1 | 12/9/2015 | 9:59:50 AM | EGT-11 | EBE | TV | OCO |  1  | 26 |
| P00251482-1 | 12/9/2015 | 10:01:00 AM | OSC-22 | EBI | EF | OTF |  1  | 1,435 |
| P00251486-1 | 12/9/2015 | 10:02:28 AM | RAI-14 | ECC | TV | OCO |  3  | 1,328 |
| P00251548-1 | 12/9/2015 | 10:04:10 AM | FNW-17 | ECD | TV | OCO |  7  | 3,372 |
| P00251496-1 | 12/9/2015 | 10:06:25 AM | ZEN-23 | EBJ | TV | OSV |  1  | 474 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00252116-1 | 12/9/2015 | 10:08:00 AM | LYO-15 | EBJ | TV | OCO |  32  | 30,237 |
| P00251506-1 | 12/9/2015 | 10:09:00 AM | LYO-15 | EBJ | TV | OCO |  18  | 5,411 |
| P00251518-1 | 12/9/2015 | 10:12:00 AM | COT-13 | EBD | TV | OCO |  2  | 1,002 |
| P00251527-1 | 12/9/2015 | 10:17:00 AM | LYO-12 | EBJ | TV | OCO |  5  | 7,732 |
| P00251547-1 | 12/9/2015 | 10:27:17 AM | LYO-15 | EBJ | TV | OCO |  103  | 81,269 |
| P00251599-1 | 12/9/2015 | 10:28:43 AM | KAP-16 | ECA | OD | OCO |  457  | 174,909 |
| P00251558-1 | 12/9/2015 | 10:32:00 AM | KAP-13 | ECA | TV | OTR |  6  | 7,040 |
| P00251560-1 | 12/9/2015 | 10:33:00 AM | SCH-15 | EAA | TV | OCO |  19  | 5,743 |
| P00252029-1 | 12/9/2015 | 10:42:00 AM | LYO-15 | EBJ | TV | OCO |  14  | 19,746 |
| P00251664-1 | 12/9/2015 | 10:47:20 AM | VAS-12 | EBL | TV | OCO |  133  | 44,728 |
| P00251602-1 | 12/9/2015 | 10:51:25 AM | WAB-12 | EBI | CE | OSV |  1  | 1,720 |
| P00251338-1 | 12/9/2015 | 10:55:00 AM | HEM-16 | ECA | TV | OCO |  430  | 62,128 |
| P00251641-1 | 12/9/2015 | 10:57:16 AM | SHD-18 | EBI | TV | OCO |  79  | 2,565 |
| P00251648-1 | 12/9/2015 | 11:18:38 AM | SME-12 | EBE | DU | OUP |  7  | 3,232 |
| P00251653-1 | 12/9/2015 | 11:21:54 AM | PIP-26 | EBI | TV | OCO |  2  | 1,463 |
| P00251662-1 | 12/9/2015 | 11:27:32 AM | GRI-15 | ECC | TV | OFU |  20  | 8,680 |
| P00251670-1 | 12/9/2015 | 11:33:24 AM | SWD-13 | ECE | TV | UTC |  42  | 3,394 |
| P00251676-1 | 12/9/2015 | 11:33:26 AM | CHI-15 | ECD | TV | OTF |  3  | 1,529 |
| P00251682-1 | 12/9/2015 | 11:38:35 AM | ENU-17 | EBI | TV | OCO |  2  | 888 |
| P00251684-1 | 12/9/2015 | 11:40:01 AM | ANA-17 | EAC | EF | OAR |  6  | 415 |
| P00251695-1 | 12/9/2015 | 11:45:00 AM | CWD-23 | EBD | TV | OCO |  1  | 904 |
| P00251840-1 | 12/9/2015 | 11:50:00 AM | MST-27 | EBJ | TV | OCO |  1  | 366 |
| P00251704-1 | 12/9/2015 | 11:53:00 AM | RHO-15 | ECA | TV | OCO |  1  | 1,295 |
| P00251726-1 | 12/9/2015 | 12:04:00 PM | NNO-15 | EBJ | TV | OSV |  1  | 2,879 |
| P00251747-1 | 12/9/2015 | 12:16:13 PM | NBE-12 | EBF | TV | OCO |  5,101  | 265,287 |
| P00251759-1 | 12/9/2015 | 12:24:02 PM | SMR-26 | ECA | OD | OSV |  6  | 4,320 |
| P00251422-1 | 12/9/2015 | 12:27:24 PM | EDG-16 | ECA | TV | OSV |  1  | 761 |
| P00251777-1 | 12/9/2015 | 12:32:48 PM | WLK-15 | ECA | EF | OFU |  8  | 2,093 |
| P00251780-1 | 12/9/2015 | 12:35:00 PM | PLA-21 | EBD | TV | OSV |  1  | 809 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00250580-1 | 12/9/2015 | 12:41:39 PM | SME-12 | EBE | TV | OCO |  242  | 13,838 |
| P00251805-1 | 12/9/2015 | 12:50:00 PM | KNO-13 | ECA | TV | OTR |  52  | 19,134 |
| P00251819-1 | 12/9/2015 | 1:00:12 PM | BRO-16 | EAD | UN | OFU |  67  | 3,333 |
| P00251823-1 | 12/9/2015 | 1:04:13 PM | VWY-13 | EAA | BA | OTF |  1  | 39 |
| P00251853-1 | 12/9/2015 | 1:16:32 PM | HEM-15 | ECA | TV | OFU |  80  | 7,617 |
| P00251576-1 | 12/9/2015 | 1:17:57 PM | PAT-17 | ECC | TV | OCR |  7  | 112 |
| P00251860-1 | 12/9/2015 | 1:21:29 PM | FWD-17 | EBJ | TV | OSV |  1  | 1,121 |
| P00251866-1 | 12/9/2015 | 1:25:00 PM | FCR-12 | EBI | TV | OCO |  154  | 28,475 |
| P00251872-1 | 12/9/2015 | 1:28:00 PM | FCR-12 | EBI | TV | OCO |  19  | 27,225 |
| P00251886-1 | 12/9/2015 | 1:38:53 PM | ENU-17 | EBI | TV | OCO |  2  | 775 |
| P00251890-1 | 12/9/2015 | 1:39:00 PM | VAS-22 | EBL | TV | OCO |  3  | 824 |
| P00251912-1 | 12/9/2015 | 1:52:34 PM | COT-13 | EBD | TV | OSV |  1  | 161 |
| P00251921-1 | 12/9/2015 | 1:59:46 PM | SME-12 | EBE | TV | OTF |  5  | 276 |
| P00251746-1 | 12/9/2015 | 2:20:44 PM | SAH-16 | EBD | TV | OCO |  2  | 682 |
| P00251947-1 | 12/9/2015 | 2:22:29 PM | LMC-27 | EBE | TV | OSV |  1  | 338 |
| P00251953-1 | 12/9/2015 | 2:26:26 PM | LON-23 | ECC | TV | OFU |  1  | 257 |
| P00251981-1 | 12/9/2015 | 2:42:00 PM | WLK-13 | ECA | TV | OCO |  14  | 3,416 |
| P00251994-1 | 12/9/2015 | 2:51:00 PM | HOB-16 | EBI | TV | OCO |  104  | 84,559 |
| P00251999-1 | 12/9/2015 | 2:53:39 PM | SME-12 | EBE | UN | OTF |  1  | 69 |
| P00252017-1 | 12/9/2015 | 3:08:29 PM | NUG-25 | EAA | BA | OFU |  3  | 147 |
| P00252042-1 | 12/9/2015 | 3:28:07 PM | LMD-16 | EBJ | TV | OCO |  -  | 2,887 |
| P00252046-1 | 12/9/2015 | 3:29:02 PM | RJN-11 | EBJ | UN | UPC |  207  | 33,294 |
| P00252065-1 | 12/9/2015 | 3:41:00 PM | HEM-15 | ECA | EF | UPT |  4  | 6,911 |
| P00252074-1 | 12/9/2015 | 3:43:00 PM | HOB-16 | EBI | TV | OCO |  17  | 17,796 |
| P00252080-1 | 12/9/2015 | 3:50:42 PM | TOL-16 | EBD | UN | OTF |  4  | 736 |
| P00252088-1 | 12/9/2015 | 3:59:18 PM | LMD-16 | EBJ | TV | OCO |  26  | 1,944 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00252097-1 | 12/9/2015 | 4:08:10 PM | BDI-15 | EBI | TV | OCO |  17  | 7,224 |
| P00252106-1 | 12/9/2015 | 4:25:00 PM | FRG-24 | ECC | EF | OTR |  2  | 642 |
| P00252117-1 | 12/9/2015 | 4:26:33 PM | LAT-17 | EBJ | TV | OCO |  167  | 116,396 |
| P00250549-2 | 12/9/2015 | 4:33:07 PM | TOL-15 | EBD | TV | OCO |  26  | 2,524 |
| P00252133-1 | 12/9/2015 | 4:45:00 PM | ORT-22 | ECA | TV | OCO |  20  | 10,368 |
| P00252134-1 | 12/9/2015 | 4:46:01 PM | FWD-17 | EBJ | TV | OSV |  1  | 1,178 |
| P00250595-1 | 12/9/2015 | 4:49:20 PM | HOB-15 | EBI | TV | OCO |  1,124  | 219,358 |
| P00252144-1 | 12/9/2015 | 4:56:00 PM | DES-16 | EBJ | TV | OSV |  1  | 1,169 |
| P00252158-1 | 12/9/2015 | 5:14:23 PM | PLA-21 | EBD | EF | OTF |  2  | 515 |
| P00252167-1 | 12/9/2015 | 5:39:52 PM | NNO-15 | EBJ | TV | OSV |  1  | 1,670 |
| P00252219-1 | 12/9/2015 | 6:40:53 PM | RHO-15 | ECA | OD | OTF |  1  | 336 |
| P00252237-1 | 12/9/2015 | 6:49:41 PM | ELD-25 | ECC | TV | OCO |  4  | 417 |
| P00252242-1 | 12/9/2015 | 6:57:23 PM | KAP-16 | ECA | TV | OCO |  37  | 9,010 |
| P00252247-1 | 12/9/2015 | 7:08:03 PM | VWY-15 | EAA | EF | OTF |  3  | 608 |
| P00252086-1 | 12/9/2015 | 7:39:25 PM | BRI-17 | EAA | EF | OFC |  45  | 1,156 |
| P00252266-1 | 12/9/2015 | 7:55:00 PM | KNO-13 | ECA | EF | OTR |  52  | 1,607 |
| P00252271-1 | 12/9/2015 | 8:09:00 PM | BDI-13 | EBI | TV | OCO |  33  | 19,474 |
| P00251574-2 | 12/9/2015 | 8:26:12 PM | OBY-17 | ECC | TV | OSV |  3  | 136 |
| P00252288-1 | 12/9/2015 | 9:43:26 PM | LEA-17 | EBJ | TV | OCO |  664  | 44,969 |
| P00252289-1 | 12/9/2015 | 9:43:41 PM | ORT-23 | ECA | TV | OSV |  1  | 99 |
| P00252290-1 | 12/9/2015 | 9:52:29 PM | LEA-16 | EBJ | TV | OCO |  3  | 220 |
| P00252291-1 | 12/9/2015 | 10:01:00 PM | LWS-15 | EBJ | TV | OCO |  9  | 1,767 |
| P00252292-1 | 12/9/2015 | 10:02:21 PM | HOB-16 | EBI | TV | OCO |  9  | 5,978 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** |  **CUST.OUT**  | **CUST.MIN** |
| P00252295-1 | 12/9/2015 | 10:10:31 PM | SOO-25 | EBI | TV | OCO |  28  | 24,396 |
| P00252306-1 | 12/9/2015 | 11:33:00 PM | LLT-17 | EBD | EF | UPC |  5  | 4,394 |
| P00252308-1 | 12/9/2015 | 11:55:56 PM | SHD-18 | EBI | TV | OCO |  -  | 37 |

### **Terms, Codes and Definitions Used on Detail Reports**

|  |  |
| --- | --- |
| Notification (NUMBER)  | A number assigned by SAP, identifying the outage record |
| **Date (DATE)** | The date of the outage |
| **Time (TIME)** | The time of the outage |
| **Circuit (CKT)** | The circuit identifier for the affected circuit |
| **Area (MPG)** | **Maintenance Planner Group** A code representing the energy, region and service center |
| EAA – Bellingham | EBJ – South King |
| EAC – Skagit | EBL – Vashon |
| EAD – Whidbey | ECA – Puyallup |
| EBD – Redmond | ECC – Olympia |
| EBE – Factoria | ECD – Port Orchard |
| EBF – Snoqualmie | ECE – Poulsbo |
| EBI – Enumclaw |  |
| **Cause (CAZ)** | **Cause of Outage** |
| AO – Accident Other | EF – Equipment Failure |
| BA – Bird or Animal | EO – Electrical Overload |
| CP – Car Pole | FI – Faulty Installation |
| CR – Customer Request | TF – Tree Off Right-of-Way |
| DU – Dig-up Underground | TO – Tree On Right-of-Way |
| TV – Trees/Vegetation | SO – Scheduled Outage |
| UN – Unknown |  |
| Equipment (EQT)  | **Affected by, or involved in the outage** |
| OCN – Connector | OSW – Overhead Switch |
| OCO – Overhead Conductor | OTF – Overhead Transformer Fuse |
| OCR – Crossarm | OTR – Overhead Transformer |
| OFC – Overhead Cut-out | OUP – OH to UG Primary |
| OFS – Overhead Fire Signal | OUS – OH to UG Secondary Service |
| OFU – Fuse Link/OH Line Fuse | SBF – High-side Bank Fuse |
| OGS – Span Guy | SCB – Power Circuit Breaker |
| OHR – Overhead Recloser | UOT – Underground Outdoor Term |
| OIN – Insulator | UPC – Underground Primary Cable |
| OJU- Jump Wire | UPT – Padmount Transformer |
| OPI – Overhead Pin Insulator | USV – Underground Service |
| OPO – Pole | UTC – Underground Terminal Fuse |
| OSV – Overhead Service | UTR – Submersible Transformer |
| ORE – Regulator |  |
| **CUST OUT (CUST.OUT)** | **Customer Out,** The number of customers without power for any given outage record |
| **CUST MIN (CUST. MIN)** | **Customer Minutes,** The total number of minutes customers were without power for any given record |

# **Media & Communication Coverage**

**Winds, flooding, landslides and power outages – Mother Nature wallops Western Washington AGAIN**

POSTED 5:48 AM, DECEMBER 9, 2015, BY Q13 NEWS STAFF, UPDATED AT 10:01AM, DECEMBER 9, 2015

SEATTLE -- Another round of severe weather rolled across Western Washington knocking causing flooding, power outages as well as landslides and downing trees.

The National Weather Service had issued a slew of Flood Watches and Warnings for nearly all rivers in Western Washington.

A Wind Advisory was in place Wednesday morning for many local counties as well with forecasters expecting 20 to 35 mph winds with gusts of up to 50 mph.

Land slides were reported in Burien and on Mercer Island. PSE reported more than 56,000 homes were without power as of 8:40 a.m. More than a dozen local school districts delayed or cancelled school Wednesday.

Seven people had to be rescued from the Puyallup River after their homeless camp was overtaken by water. Authorities said everyone rescued was okay.

The heaviest rain today has already passed through Western Washington. Wednesday we’ll have scattered heavy showers and some sunbreaks which will allow some of the flooded rivers to crest this afternoon and recede somewhat. Nearly every river in Western Washington is above flood stage or at bankfull.

Here’s the bad news: we’ve got more wind and rain starting tomorrow morning. Thursday night into Friday will be dry. Saturday could also be soggy with some passing showers on Sunday. Even our wet days of Thursday and Saturday don’t look as wet as Tuesday’s 2.13 inches of record rainfall.

Due to all the rain, we’ve had landslides– and we’re at risk for more though Friday with the saturated soils. Snow levels drop from 6,500 feet today to 2,500 feet this weekend– that will not only help the ski resorts, but also lock incoming precipitation in the mountains and not send it rushing down river.

1. IEEE: Institute of Electrical and Electronics Engineers [↑](#footnote-ref-1)
2. SAIDI: System Average Interruption Duration Index [↑](#footnote-ref-2)
3. O&M: Operations and Maintenance

(r): Revised [↑](#footnote-ref-3)