

**2015**

**Qualifying Events Report**

**October 10, 2015 Event**

Filed on January 8, 2016

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# **Event Description**

### **Event Date and Time**

Start: October 10, 2015, 11:45

End: October 11, 2015, 21:00

### **Event Type**

Wind

**Service Areas Significantly Affected**

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

### **Number of Customers Affected**

System wide, approximately 54,863 customers were without power during the course of this event.

### **Summary of System Impacts**

|  |  |
| --- | --- |
| **Total Number of Outages** | **184** |

|  |  |
| --- | --- |
| Transmission Lines Affected | 3 |
| Substations Offline | 1 |

### **Mobilization Summary**

#### Operating Bases Placed In Emergency Status

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Base** | **Date Opened** | **Time Opened** | **Date Closed** | **Time Closed** |
| Whatcom/Skagit/Island | N/A |  |  |  |
| North King | 10-10-2015 | 20:30 | 10-11-2015 | 05:30 |
| South King | 10-10-2015 | 15:00 | 10-11-2015 | 05:00 |
| Pierce | 10-10-2015 | 15:00 | 10-10-2015 | 23:59 |
| Thurston | N/A |  |  |  |
| Kitsap | 10-10-2015 | 16:30 | 10-11-2015 | 12:00 |
| Vashon | 10-10-2015 | 16:30 | 10-11-2015 | 12:00 |
| Kittitas | N/A |  |  |  |

#### Emergency Coordination Center (ECC)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ECC** | **Date Opened** | **Time Opened** | **Date Closed** | **Time Closed** |
|  | 10-10-2015 | 17:30 | 10-11-2015 | 06:00 |

# **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) |
| 10/10/2015, 11:45 to 10/11/2015, 21:00 | 12,340,229 | 1,115,511 | 11.1 |

### **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(r) |
| 10-10-2015 | 11.1 | $- |

(r): Revised

# **Event Restoration – Cost Summary**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Event Date | Qualified Events Deferred Account | Capital Costs | O&M Costs Not Deferrable | O&M Costs  Deferrable  Accumulation | Total O&M Costs | Total |
| 01-18-2015 |  | $255,457 | $159,839 | $2,011,173 | $2,171,012 | $2,426,469 |
| 08-29-2015 | $5,532,125(r) | $932,127(r) | $1,005,516(r) | $5,988,827(r) | $6,994,342(r) | $13,458,594(r) |
| 10-10-2015 | $801,113 | $40,438 | $121,231 | $0 | $121,231 | $962,781 |

(r) Revised

### **2015 YTD Storm Restoration Costs Detail**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Qualifying Events Deferred Account | Capital | O&M - Not Deferrable | O&M - Deferrable Accumulation | Total O&M | Total |
| $6,333,237 | $1,228,021 | $1,286,586 | $8,000,000 | $9,286,585 | $16,847,844 |

# **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**

**October 10, 2015**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** | **CUST.OUT** | **CUST.MIN** |
| P00216748-1 | 10/10/2015 | 12:55:15 AM | DGR-13 | ECA | CR | UEL | 1 | 12,053 |
| P00220986-1 | 10/10/2015 | 1:02:17 AM | HAR-22 | EBJ | VA | OSV | 2 | 191 |
| P00220991-1 | 10/10/2015 | 5:53:53 AM | SIN-24 | ECD | TV | OCO | 4 | 393 |
| P00220992-1 | 10/10/2015 | 6:04:38 AM | LON-25 | ECC | EF | OTF | 1 | 125 |
| P00220993-1 | 10/10/2015 | 6:06:46 AM | ING-13 | EBD | TV | OSV | 4 | 1,031 |
| P00220999-1 | 10/10/2015 | 8:09:33 AM | SHA-15 | ECA | EF | UPC | 981 | 135,519 |
| P00220914-1 | 10/10/2015 | 8:18:56 AM | FLC-17 | EBJ | SO | UPC | 5 | 427 |
| P00220995-1 | 10/10/2015 | 8:22:19 AM | PLY-12 | EAA | SO | UPT | 2 | 497 |
| P00220154-1 | 10/10/2015 | 8:29:21 AM | JHO-12 | ECC | SO | UEL | 1 | 286 |
| P00221021-1 | 10/10/2015 | 8:49:00 AM | PET-13 | EAC | EF | UPC | 91 | 23,815 |
| P00196198-1 | 10/10/2015 | 9:19:31 AM | ING-13 | EBD | SO | OPO | 23 | 9,947 |
| P00221026-1 | 10/10/2015 | 9:21:12 AM | KWH-23 | EBE | FI | OIN | 197 | 15,540 |
| P00221031-1 | 10/10/2015 | 9:36:00 AM | SLA-16 | EAA | EF | UPC | 6 | 2,853 |
| P00221034-1 | 10/10/2015 | 10:13:33 AM | EDG-16 | ECA | TV | OTF | 3 | 168 |
| P00221036-1 | 10/10/2015 | 10:16:39 AM | DUV-12 | EBD | TV | OCO | 189 | 24,772 |
| 11207202 | 10/10/2015 | 10:53:02 AM | 42721 | ECC | EF | OTR | 1 | 105 |
| P00221057-1 | 10/10/2015 | 11:11:36 AM | VIT-23 | EBD | TV | OCO | 2,326 | 141,344 |
| P00221082-1 | 10/10/2015 | 11:30:30 AM | BEL-13 | EBJ | TV | OFU | 1 | 65 |
| P00221089-1 | 10/10/2015 | 11:54:00 AM | ORT-23 | ECA | TV | OCO | 7 | 3,200 |
| P00221106-1 | 10/10/2015 | 12:19:00 PM | LTA-18 | ECA | EF | OCO | 227 | 68,917 |
| P00221096-1 | 10/10/2015 | 12:25:07 PM | LEA-15 | EBJ | TV | OFU | 32 | 3,365 |
| P00221113-1 | 10/10/2015 | 12:33:25 PM | SEM-15 | EAA | TV | OCO | 167 | 15,589 |
| P00221110-1 | 10/10/2015 | 12:53:00 PM | CHI-12 | ECD | EF | OCO | 26 | 4,200 |
| P00221115-1 | 10/10/2015 | 1:00:36 PM | SWI-15 | ECC | EF | OFU | 106 | 8,441 |
| P00221119-1 | 10/10/2015 | 1:05:58 PM | FLD-13 | EAD | EF | OJU | 44 | 3,873 |
| P00221120-1 | 10/10/2015 | 1:06:15 PM | RHO-16 | ECA | TV | OCO | 444 | 18,293 |
| P00221419-1 | 10/10/2015 | 1:14:00 PM | LMD-16 | EBJ | TV | OCO | 181 | 52,734 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** | **CUST.OUT** | **CUST.MIN** |
| P00222310-1 | 10/10/2015 | 1:16:54 PM | TLN-0098 | EBL | TV | OCO | 4,332 | 766,131 |
| P00221139-1 | 10/10/2015 | 1:16:54 PM | VAS-13 | EBL | TV | OCO | 68 | 141,851 |
| P00221223-1 | 10/10/2015 | 1:22:00 PM | SPA-16 | ECA | TV | OCO | 1,971 | 299,626 |
| P00221367-1 | 10/10/2015 | 1:23:00 PM | HEM-16 | ECA | TV | OCO | 1,336 | 244,555 |
| P00221163-1 | 10/10/2015 | 1:23:31 PM | HEM-16 | ECA | TV | OFU | 41 | 7,508 |
| P00221174-1 | 10/10/2015 | 1:24:20 PM | BON-16 | ECA | TV | OCO | 27 | 9,602 |
| P00221362-1 | 10/10/2015 | 1:32:00 PM | SOO-25 | EBI | TV | SCB | 1,933 | 1,575,586 |
| P00221253-1 | 10/10/2015 | 1:33:00 PM | BDI-13 | EBI | OD | OCO | 248 | 99,948 |
| P00221289-1 | 10/10/2015 | 1:35:00 PM | LWS-12 | EBJ | TV | OCO | 412 | 256,051 |
| P00221881-1 | 10/10/2015 | 1:38:01 PM | PIP-22 | EBI | TV | OFU | 32 | 18,138 |
| P00221302-1 | 10/10/2015 | 1:38:56 PM | SWD-11 | ECE | TV | OCO | 82 | 5,105 |
| P00221307-1 | 10/10/2015 | 1:40:00 PM | MVW-16 | EBJ | TV | OCO | 172 | 133,121 |
| P00221355-1 | 10/10/2015 | 1:42:13 PM | BLA-13 | EAA | TV | OFU | 64 | 3,846 |
| P00221394-1 | 10/10/2015 | 1:44:43 PM | OSC-23 | EBI | TV | OHR | 172 | 39,400 |
| P00221379-1 | 10/10/2015 | 1:49:26 PM | SHD-18 | EBI | TV | OHS | 610 | 73,007 |
| P00221389-1 | 10/10/2015 | 1:52:52 PM | FAL-16 | EBF | TV | OCO | 57 | 23,692 |
| P00221397-1 | 10/10/2015 | 1:55:00 PM | MAP-15 | EBE | TV | OCO | 24 | 14,953 |
| P00221395-1 | 10/10/2015 | 1:55:06 PM | LMD-16 | EBJ | TV | OFU | 5 | 3,918 |
| P00221396-1 | 10/10/2015 | 1:55:24 PM | KLA-18 | EBD | TV | OCO | 1,316 | 127,126 |
| P00221431-1 | 10/10/2015 | 1:59:56 PM | ELL-16 | EBJ | TV | OFU | 15 | 9,507 |
| P00221424-1 | 10/10/2015 | 2:03:00 PM | LOL-22 | ECD | TV | OCO | 1,511 | 236,271 |
| P00221408-1 | 10/10/2015 | 2:03:44 PM | MWD-13 | EBE | TV | OCO | 1,815 | 221,193 |
| P00221411-1 | 10/10/2015 | 2:03:58 PM | FRG-24 | ECC | TV | OCO | 14 | 3,022 |
| P00221413-1 | 10/10/2015 | 2:04:14 PM | SWA-16 | EAD | EF | OTR | 42 | 8,272 |
| P00221426-1 | 10/10/2015 | 2:11:53 PM | MUR-17 | ECE | EF | OFU | 122 | 53,294 |
| P00221429-1 | 10/10/2015 | 2:13:24 PM | MAP-15 | EBE | TV | OCO | 3 | 1,826 |
| P00221436-1 | 10/10/2015 | 2:16:44 PM | BLU-17 | ECC | TV | OCO | 215 | 18,372 |
| P00221487-1 | 10/10/2015 | 2:18:40 PM | BLU-13 | ECC | TV | OCO | 75 | 9,197 |
| P00221565-1 | 10/10/2015 | 2:21:00 PM | LAC-17 | ECC | TV | OCO | 324 | 135,500 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** | **CUST.OUT** | **CUST.MIN** |
| P00221451-1 | 10/10/2015 | 2:23:24 PM | CHI-12 | ECD | TV | OCO | 115 | 11,096 |
| P00221490-1 | 10/10/2015 | 2:24:43 PM | SIL-15 | ECE | TV | OCO | 1,506 | 355,442 |
| P00221458-1 | 10/10/2015 | 2:24:53 PM | JUA-25 | EBD | TV | OCO | 1,679 | 280,338 |
| P00222553-1 | 10/10/2015 | 2:25:08 PM | SWD-13 | ECE | TV | OCO | 101 | 22,653 |
| P00221503-1 | 10/10/2015 | 2:29:00 PM | HAN-16 | EAA | TV | OTR | 8 | 2,596 |
| P00221555-1 | 10/10/2015 | 2:30:00 PM | KIN-22 | ECE | TV | OTR | 435 | 105,667 |
| P00221625-1 | 10/10/2015 | 2:31:00 PM | MAN-13 | ECD | TV | OCO | 265 | (1) |
| P00222082-1 | 10/10/2015 | 2:31:40 PM | WIN-15 | ECE | TV | OCO | 28 | 40,595 |
| P00221554-1 | 10/10/2015 | 2:32:56 PM | RAI-13 | ECC | TV | OCO | 1,606 | 362,459 |
| P00222563-1 | 10/10/2015 | 2:36:00 PM | PMA-13 | ECE | TV | OCO | 81 | 70,451 |
| P00221557-1 | 10/10/2015 | 2:37:00 PM | WIN-12 | ECE | TV | OCO | 55 | 66,597 |
| P00221559-1 | 10/10/2015 | 2:37:13 PM | GLC-12 | EBJ | TV | OFU | 56 | 30,466 |
| P00221636-1 | 10/10/2015 | 2:39:00 PM | CAM-17 | EBJ | TV | SCB | 552 | 148,295 |
| P00222693-1 | 10/10/2015 | 2:39:35 PM | ORC-17 | EBJ | TV | OFU | 284 | 115,020 |
| P00221599-1 | 10/10/2015 | 2:39:36 PM | LON-17 | ECC | TV | OCO | 1,875 | 578,188 |
| P00221572-1 | 10/10/2015 | 2:40:05 PM | MIL-17 | ECE | TV | OCO | 17 | 8,992 |
| P00221596-1 | 10/10/2015 | 2:42:00 PM | DES-15 | EBJ | TV | OCO | 202 | 68,977 |
| P00221593-1 | 10/10/2015 | 2:42:18 PM | TRA-22 | ECE | TV | OCO | 1 | 1,341 |
| P00221863-1 | 10/10/2015 | 2:44:00 PM | LMD-15 | EBJ | TV | SCB | 3,063 | 295,886 |
| P00221616-1 | 10/10/2015 | 2:44:00 PM | KNT-37 | EBJ | TV | OCO | 92 | 47,862 |
| P00221848-1 | 10/10/2015 | 2:45:00 PM | MIR-26 | EBF | TV | OCO | 1 | 166 |
| P00221660-1 | 10/10/2015 | 2:45:23 PM | CEK-15 | ECE | TV | OCO | 530 | 53,354 |
| P00221931-1 | 10/10/2015 | 2:46:00 PM | LYO-15 | EBJ | TV | OCO | 827 | 311,862 |
| P00221651-1 | 10/10/2015 | 2:49:00 PM | MIR-17 | EBE | TV | OCO | 506 | 93,019 |
| P00221702-1 | 10/10/2015 | 2:49:16 PM | WIS-12 | EBF | TV | OCO | 8 | 4,000 |
| P00221894-1 | 10/10/2015 | 2:49:27 PM | DES-12 | EBJ | TV | OFU | 8 | 6,074 |
| P00221732-1 | 10/10/2015 | 2:49:57 PM | HEM-15 | ECA | TV | OCO | 1,586 | 165,602 |
| P00221672-1 | 10/10/2015 | 2:50:00 PM | COT-13 | EBD | TV | OCO | 8 | 4,527 |
| P00221685-1 | 10/10/2015 | 2:51:00 PM | SEQ-17 | EBJ | TV | OCO | 18 | 14,093 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** | **CUST.OUT** | **CUST.MIN** |
| P00221677-1 | 10/10/2015 | 2:51:02 PM | CHR-22 | ECE | TV | OCO | 3 | 2,183 |
| P00221686-1 | 10/10/2015 | 2:51:50 PM | MIR-15 | EBF | EF | OFC | 37 | 20,825 |
| P00221709-1 | 10/10/2015 | 2:52:48 PM | PAN-12 | EBJ | TV | SCB | 507 | 162,477 |
| P00221706-1 | 10/10/2015 | 2:53:53 PM | SIL-13 | ECE | TV | OCO | 221 | 32,638 |
| P00222822-1 | 10/10/2015 | 2:54:59 PM | FAL-13 | EBF | TV | OCO | 6 | 3,412 |
| P00221885-1 | 10/10/2015 | 2:55:00 PM | BON-13 | ECA | TV | OCO | 1,219 | 172,428 |
| P00221813-1 | 10/10/2015 | 2:56:00 PM | GAR-13 | ECA | TV | OCO | 25 | 14,159 |
| P00222753-1 | 10/10/2015 | 2:56:55 PM | MIR-13 | EBF | TV | OCO | 26 | 17,605 |
| P00222624-1 | 10/10/2015 | 2:57:18 PM | LON-22 | ECC | TV | OCO | 23 | 7,365 |
| P00221891-1 | 10/10/2015 | 2:59:00 PM | DUV-13 | EBD | TV | OPO | 83 | 22,846 |
| P00222796-1 | 10/10/2015 | 2:59:00 PM | KIN-24 | ECE | TV | OCO | 9 | 7,545 |
| P00221797-1 | 10/10/2015 | 2:59:25 PM | FAL-15 | EBF | TV | OCO | 962 | 43,755 |
| P00221808-1 | 10/10/2015 | 3:00:00 PM | KNT-23 | EBJ | TV | OCO | 109 | 66,663 |
| P00221807-1 | 10/10/2015 | 3:00:50 PM | CHI-12 | ECD | TV | OCO | 74 | 21,536 |
| P00221875-1 | 10/10/2015 | 3:01:00 PM | FCR-12 | EBI | TV | SCB | 2,894 | 265,765 |
| P00221988-1 | 10/10/2015 | 3:02:00 PM | ORT-23 | ECA | TV | OCO | 38 | 15,095 |
| P00221857-1 | 10/10/2015 | 3:04:00 PM | HOB-16 | EBI | TV | OCO | 6 | 7,980 |
| P00222583-1 | 10/10/2015 | 3:06:00 PM | YEL-27 | ECC | TV | OSV | 1 | 758 |
| P00221990-1 | 10/10/2015 | 3:06:08 PM | BUC-16 | ECA | TV | OHR | 412 | 102,828 |
| P00222613-1 | 10/10/2015 | 3:07:00 PM | HOB-17 | EBI | TV | OCO | 199 | 222,658 |
| P00221899-1 | 10/10/2015 | 3:07:00 PM | HOB-17 | EBI | TV | OCO | 55 | 55,648 |
| P00222533-1 | 10/10/2015 | 3:07:09 PM | TLN-0098 | ECD | TV | OCO | 2,521 | 544,438 |
| P00221903-1 | 10/10/2015 | 3:10:00 PM | ENU-17 | EBI | TV | OCO | 5 | 4,037 |
| P00221945-1 | 10/10/2015 | 3:10:00 PM | SHE-17 | ECE | TV | OCO | 3,346 | 337,444 |
| P00222150-1 | 10/10/2015 | 3:11:26 PM | TLN-0007 | EAC | TV | OCO | 2,174 | 13,442 |
| P00221942-1 | 10/10/2015 | 3:14:00 PM | KEN-13 | EAA | TV | OCO | 142 | 71,156 |
| P00221937-1 | 10/10/2015 | 3:14:20 PM | FRG-25 | ECC | TV | OFU | 6 | 2,910 |
| P00221977-1 | 10/10/2015 | 3:16:25 PM | WIS-13 | EBF | TV | OSV | 2 | 1,097 |
| P00222686-1 | 10/10/2015 | 3:23:01 PM | FRA-15 | ECD | TV | OCO | 1,429 | 444,205 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** | **CUST.OUT** | **CUST.MIN** |
| P00222211-1 | 10/10/2015 | 3:28:31 PM | NUG-26 | EAA | TV | OCN | 1 | 100 |
| P00222269-1 | 10/10/2015 | 3:30:00 PM | PGA-13 | ECE | TV | OPO | 1 | 1,046 |
| P00222353-1 | 10/10/2015 | 3:32:00 PM | TLN-0012 | EBD | TV | OCO | 753 | 620,924 |
| P00222313-1 | 10/10/2015 | 3:33:48 PM | HAM-15 | EAC | TV | OCO | 30 | 13,319 |
| P00222724-1 | 10/10/2015 | 3:34:00 PM | MIL-22 | ECE | TV | OCO | 20 | 13,074 |
| P00222711-1 | 10/10/2015 | 3:37:00 PM | MIL-17 | ECE | TV | OCO | 45 | 14,639 |
| P00222356-1 | 10/10/2015 | 3:38:00 PM | LWS-15 | EBJ | TV | OFU | 3 | 1,819 |
| P00222363-1 | 10/10/2015 | 3:38:12 PM | PMA-15 | ECE | TV | OCO | 36 | 40,596 |
| P00222431-1 | 10/10/2015 | 3:44:18 PM | BLU-17 | ECC | TV | OCO | 42 | 9,699 |
| P00222391-1 | 10/10/2015 | 3:48:54 PM | HAM-15 | EAC | TV | OFU | 34 | 2,005 |
| P00222453-1 | 10/10/2015 | 3:49:49 PM | BDI-13 | EBI | TV | OFU | 46 | 6,235 |
| P00222407-1 | 10/10/2015 | 3:51:00 PM | HOL-15 | ECA | TV | OSV | 4 | 2,243 |
| P00222413-1 | 10/10/2015 | 3:52:55 PM | FNW-15 | ECD | EF | OCO | 60 | 26,012 |
| P00222417-1 | 10/10/2015 | 3:55:00 PM | TOL-16 | EBD | TV | OCO | 74 | 20,556 |
| P00222471-1 | 10/10/2015 | 3:55:10 PM | MWD-16 | EBE | TV | OCO | 66 | 12,254 |
| P00222426-1 | 10/10/2015 | 3:56:03 PM | GAR-12 | ECA | TV | OFU | 3 | 1,188 |
| P00222432-1 | 10/10/2015 | 3:58:15 PM | MAN-16 | ECD | TV | OTF | 2 | 836 |
| P00222472-1 | 10/10/2015 | 3:59:14 PM | HOB-16 | EBI | TV | OFU | 9 | 3,109 |
| P00222441-1 | 10/10/2015 | 4:00:40 PM | HAM-13 | EAC | TV | OSW | 3 | 240 |
| P00222443-1 | 10/10/2015 | 4:01:49 PM | MAP-13 | EBE | TV | OCO | 3 | 1,816 |
| P00222474-1 | 10/10/2015 | 4:08:31 PM | PIK-21 | EBF | TV | OSV | 1 | 583 |
| P00222475-1 | 10/10/2015 | 4:08:55 PM | BIG-12 | EAC | TV | OCO | 2 | 1,056 |
| P00222479-1 | 10/10/2015 | 4:11:13 PM | BRI-14 | EAA | TV | OFU | 19 | 2,269 |
| P00222488-1 | 10/10/2015 | 4:15:16 PM | FWY-11 | EBJ | EF | OPO | 3 | 1,532 |
| P00222516-1 | 10/10/2015 | 4:23:00 PM | SHD-18 | EBI | TV | OCO | 3 | 1,391 |
| P00222539-1 | 10/10/2015 | 4:40:50 PM | OSC-23 | EBI | TV | OFU | 33 | 4,076 |
| P00222540-1 | 10/10/2015 | 4:42:39 PM | HAM-13 | EAC | TV | OFU | 70 | 5,291 |
| P00222543-1 | 10/10/2015 | 4:45:03 PM | HEM-15 | ECA | TV | OCO | 58 | 3,452 |
| P00222549-1 | 10/10/2015 | 4:46:43 PM | MIR-13 | EBF | TV | OSV | 1 | 516 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** | **CUST.OUT** | **CUST.MIN** |
| P00222588-1 | 10/10/2015 | 4:49:52 PM | VAS-12 | EBL | TV | OCO | 175 | 37,902 |
| P00222569-1 | 10/10/2015 | 4:56:14 PM | WIN-13 | ECE | TV | OCO | 30 | 12,386 |
| P00222580-1 | 10/10/2015 | 5:03:47 PM | WIN-15 | ECE | TV | OCO | 35 | 15,669 |
| P00222658-1 | 10/10/2015 | 5:07:18 PM | WIN-13 | ECE | TV | OCO | 179 | 66,540 |
| P00222772-1 | 10/10/2015 | 5:09:12 PM | VAS-12 | EBL | TV | OCO | 14 | 4,213 |
| P00222592-1 | 10/10/2015 | 5:10:21 PM | CEK-15 | ECE | TV | OTF | 4 | 1,881 |
| P00222598-1 | 10/10/2015 | 5:14:16 PM | CUM-13 | EBI | TV | OCR | 149 | 5,756 |
| P00222578-1 | 10/10/2015 | 5:17:33 PM | LAT-16 | EBJ | TV | OCO | 31 | 1,252 |
| P00222608-1 | 10/10/2015 | 5:18:19 PM | SIN-23 | ECD | TV | OCO | 2 | 957 |
| P00222627-1 | 10/10/2015 | 5:33:38 PM | VAS-23 | EBL | TV | OCO | 43 | 37,759 |
| P00222628-1 | 10/10/2015 | 5:35:43 PM | VAS-13 | EBL | TV | OCO | 8 | 3,725 |
| P00222635-1 | 10/10/2015 | 5:36:00 PM | MIR-17 | EBF | TV | OCO | 40 | 36,493 |
| P00222642-1 | 10/10/2015 | 5:46:36 PM | PMA-15 | ECE | TV | OCO | 13 | 11,791 |
| P00222647-1 | 10/10/2015 | 5:51:45 PM | VAS-22 | EBL | TV | OCO | 2 | 623 |
| P00222653-1 | 10/10/2015 | 5:56:53 PM | CEK-16 | ECE | TV | OCO | 2 | 688 |
| P00222786-1 | 10/10/2015 | 6:22:24 PM | MAP-15 | EBE | TV | OCO | 3 | 1,078 |
| P00222680-1 | 10/10/2015 | 6:22:47 PM | CHI-12 | ECD | TV | OCO | 2 | 1,822 |
| P00222681-1 | 10/10/2015 | 6:23:34 PM | NBO-26 | EBD | TV | OCO | 45 | 7,888 |
| P00222683-1 | 10/10/2015 | 6:24:00 PM | LMC-25 | EBE | TV | OCO | 4 | 2,070 |
| P00222703-1 | 10/10/2015 | 6:29:39 PM | BRS-15 | EAC | TV | OFU | 5 | 583 |
| P00222705-1 | 10/10/2015 | 6:49:00 PM | LMC-26 | EBE | TV | OCO | 365 | 35,711 |
| P00222713-1 | 10/10/2015 | 6:57:09 PM | PMA-15 | ECE | EF | OFC | 2 | 786 |
| P00222714-1 | 10/10/2015 | 7:00:55 PM | MVW-16 | EBJ | TV | OTF | 4 | 2,398 |
| P00222717-1 | 10/10/2015 | 7:03:48 PM | MST-26 | EBJ | TV | OTF | 2 | 831 |
| P00222727-1 | 10/10/2015 | 7:24:00 PM | FWD-15 | EBJ | EF | UTR | 48 | 16,259 |
| P00222729-1 | 10/10/2015 | 7:28:00 PM | KNT-23 | EBJ | TV | OCO | 1 | 326 |
| P00222732-1 | 10/10/2015 | 7:32:11 PM | LGY-12 | EAD | TV | OFU | 2 | 214 |
| P00222735-1 | 10/10/2015 | 7:35:00 PM | LMD-12 | EBJ | TV | OSV | 2 | 1,643 |
| P00222431-2 | 10/10/2015 | 7:35:42 PM | BLU-17 | ECC | TV | OCO | 42 | 14,097 |
| **NUMBER** | **DATE** | **TIME** | **CKT** | **MPG** | **CAZ** | **EQT** | **CUST.OUT** | **CUST.MIN** |
| P00222747-1 | 10/10/2015 | 8:07:01 PM | SIL-15 | ECE | TV | OCO | 8 | 7,367 |
| P00222543-2 | 10/10/2015 | 8:34:08 PM | HEM-15 | ECA | TV | OCO | 58 | 3,074 |
| P00222760-1 | 10/10/2015 | 8:36:24 PM | SNQ-15 | EBF | TV | OTF | 1 | 496 |
| P00222766-1 | 10/10/2015 | 8:50:06 PM | WIS-12 | EBF | TV | OCO | 54 | 4,752 |
| P00222767-1 | 10/10/2015 | 8:53:00 PM | SWD-14 | ECE | TV | OCO | 2 | 1,263 |
| P00222778-1 | 10/10/2015 | 9:19:30 PM | CEK-14 | ECE | TV | OCO | 6 | 4,136 |
| P00222782-1 | 10/10/2015 | 9:21:50 PM | KCR-17 | EBJ | TV | OSV | 1 | 400 |
| P00222761-1 | 10/10/2015 | 9:25:54 PM | SOO-25 | EBI | TV | OCO | - | 8,043 |
| P00222791-1 | 10/10/2015 | 9:37:00 PM | HLC-23 | EAD | TV | OIN | 1,102 | 127,228 |
| P00222792-1 | 10/10/2015 | 9:39:46 PM | BRW-15 | EAC | TV | OTR | 2 | 1,049 |
| P00222816-1 | 10/10/2015 | 11:12:00 PM | STW-13 | ECA | TV | OCO | 237 | 40,747 |

### **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**



KING 5 News, KING5.com 11:12 p.m. PDT October 10, 2015

KING 5's Jesse Knutson reports

Strong winds brought down trees and knocked out power and heavy rain flooded some streets on Saturday.

Trees were reported down in Kitsap County, Tacoma and Covington.

Wind gusts reached 38 mph across the SR 520 bridge.

There were reports that branches came down on some young soccer players during a game at Meeker Middle School in Tacoma. There was no immediate word on injuries.

Power lines were reported down on Highway 101 near the Eldon Store.

Gusts reached 52 mph in Hoquiam, 47 mph in Tacoma and 46 mph in Westport.

At the height of the storm, Puget Sound Energy reported more than 47,000 customers without power.

Seattle City Light reported more than 4,500 without power.

Snohomish County PUD reported a transmission issue affecting 9,000 customers.

A mudslide closed a portion of Schuster Parkway in Tacoma. Police said some vehicles were stuck on I-705 and Center and Pine Streets.

Saturday evening, crews working to clear the slide were pulled off the scene due to the dangerous conditions. The road will be closed until at least Sunday.

The heavy rain, combined with drains clogged with leaves, caused flooding on city streets around the region.

A few of the wetter locations from the KING 5 School Net sites:

Bremerton with 1.78 inches

Kingston with 1.25 inches

Gold Bar with 1.19 inches.

Peak wind gusts from School Net sites: 52 mph at Hoquiam, 48 mph at Oak Harbor and 47 mph at Moses Lake.

Sea-Tac reported a peak wind gust of 43 mph and .90 inch of rain.

Conditions along the coast will be hazardous all weekend. A small craft advisory will be in effect through Sunday.

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 [↑](#footnote-ref-3)