



2018 Qualifying Events Report

February 17, 2018 Event

Filed on
May 18, 2018

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Event Description

Event Date and Time

Start: 2/17/2018, 11:00

End: 2/20/2018, 23:00

Event Type

Wind, Snow

Service Areas Significantly Affected

Whatcom, Skagit, Island, South King, Thurston and Kitsap Counties and Vashon Island

Number of Customers Affected

System wide, approximately 179,312 customers were without power during the course of this event.

Summary of System Impacts

Total Number of Outages for the Event	252
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Transmission Lines Affected	6
Impacted Substations	16

Mobilization Summary

Operating Bases Placed In Emergency Status

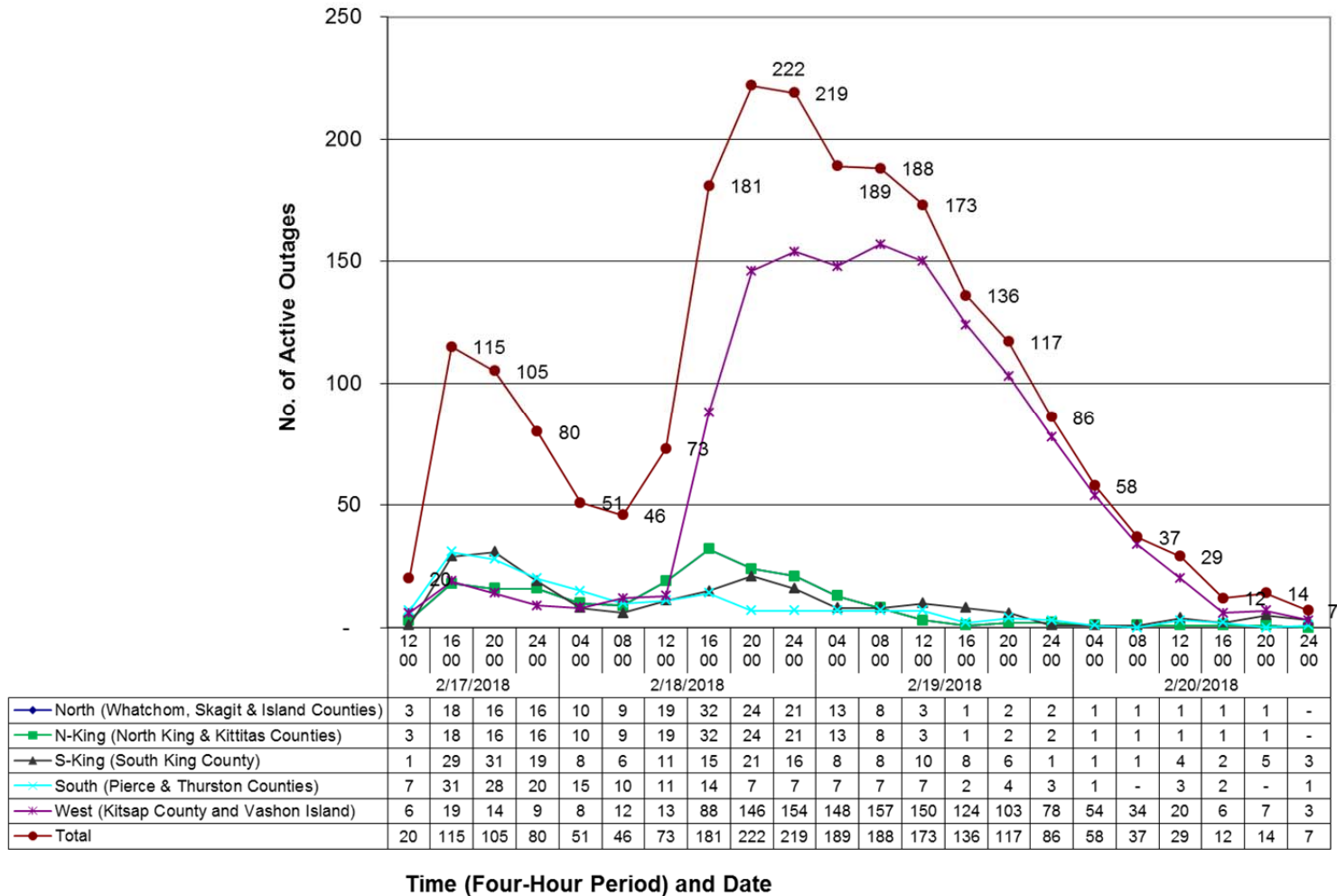
Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom/Skagit/Island	2/18/2018	11:00	2/19/2018	09:00
North King	N/A	N/A	N/A	N/A
South King	2/17/2018	14:00	2/18/2018	08:00
Pierce	N/A	N/A	N/A	N/A
Thurston	2/17/2018	18:00	2/18/2018	19:30
Kitsap	2/17/2018	20:00	2/20/2018	15:30
Vashon Island	2/17/2018	20:00	2/20/2018	15:30
Kittitas	N/A	N/A	N/A	N/A

Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	2/18/2018	14:30	2/19/2018	23:30

Active Outage Event Chart

IEEE Qualifying Storm Event
No. of Active Outages - Feb. 17, 2018, 11:00 to Feb. 20, 2018, 23:00



Major Event Day – Qualification

IEEE¹ 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 SAIDI² 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 T_{MED} where $T_{MED} = \exp(\text{Alpha} + 2.5 * \text{Beta})$
7. Any day in the next year with SAIDI > T_{MED} is a major event day

Puget Sound Energy's IEEE Major Event Threshold (T_{MED}) for 2018: 6.73 Minutes

Qualified Events - 2018

Current Event – Calculation Detail

Event Date, Time Range	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
2/17/2018, 11:00 – 2/20/2018, 23:00	52,879,523	1,144,098	46.22

Daily SAIDI Detail YTD

First Day that Daily SAIDI Exceeded PSE's TMED of 6.73 Minutes by Qualifying Event

Date	Daily SAIDI (from midnight to midnight)	Total O&M ³ Costs
2/17/2018	16.48	\$5,028,111

¹ IEEE: Institute of Electrical and Electronics Engineers

² SAIDI: System Average Interruption Duration Index

³ O&M: Operations and Maintenance

Event Restoration – YTD Cost Summary
2018 Restoration Costs Detail by Qualifying Event

Event Date	Qualified Events Deferred Account	Capital Costs	O&M Costs Not Deferrable	O&M Costs Deferrable Accumulation	Total O&M Costs	Total Costs
1/27/2018	\$0	\$50,154	\$448,490	\$0	\$448,490	\$498,644
2/17/2018	\$0	\$685,504	\$0	\$5,028,111	\$5,028,111	\$5,713,615

2018 YTD Storm Restoration Costs Detail

Qualifying Events Deferred Account	Capital Costs	O&M Costs - Not Deferrable	O&M Costs - Deferrable Accumulation	Total O&M Costs	Total Costs
\$0-	\$735,658	\$448,490	\$5,028,111	\$5,476,601	\$6,212,260

Detail Documents

Restoration Costs Detail – Current Event

Detailed List of Distribution Circuits with Outages

Terms, Codes and Definitions Used on Detail Reports

Restoration Costs Detail – Current Event

February 17, 2018- Qualifying Storm Damage Repair Costs						
	Qualifying Events		O&M -			Total
	Deferred Account	Capital	O&M - Not Deferrable	Deferrable Accumulation	Total O&M	
Labor						
ST	\$ -	\$ 154	\$ -	\$ 28,975	\$ 28,975	\$ 29,129
OT	\$ -	\$ 1,827	\$ -	\$ 603,899	\$ 603,899	\$ 605,726
Total Labor	\$ -	\$ 1,981	\$ -	\$ 632,874	\$ 632,874	\$ 634,855
Labor OH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Materials	\$ -	\$ 23,688	\$ -	\$ 150,859	\$ 150,859	\$ 174,547
Contractors	\$ -	\$ 510,760	\$ -	\$ 3,181,072	\$ 3,181,072	\$ 3,691,833
Other Direct Charges	\$ -	\$ 412	\$ -	\$ 710,448	\$ 710,448	\$ 710,861
Fleet	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Assessments	\$ -	\$ 148,662	\$ -	\$ 352,858	\$ 352,858	\$ 501,520
Deferred Expenses		\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ 685,504	\$ -	\$ 5,028,111	\$ 5,028,111	\$ 5,713,615

Detailed List of Outages – 1/27/2018, First T_{MED}-Exceeding Day

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00431696-1	2/17/2018	12:07:20 AM	PMA-12	ECE	EF	OTR	5	1,031
P00431698-2	2/17/2018	5:52:59 AM	MER-15	EBE	CP	OPO	242	45,706
P00431705-1	2/17/2018	7:07:59 AM	ROC-16	ECC	EF	UPC	22	4,383
P00431708-1	2/17/2018	7:50:54 AM	LAC-13	ECC	UN	OTF	6	983
P00431711-1	2/17/2018	8:06:36 AM	RAI-13	ECC	TV	OFC	3	970
P00431720-1	2/17/2018	9:08:42 AM	TOL-17	EBD	TV	OCO	23	3,028
P00431726-1	2/17/2018	9:33:44 AM	SNQ-17	EBF	TV	OPI	157	32,080
P00431728-1	2/17/2018	9:34:09 AM	CWD-24	EBD	TV	OFU	15	1,456
P00431732-1	2/17/2018	9:44:30 AM	KWH-22	EBE	TV	OTF	7	1,050
P00431733-1	2/17/2018	9:45:37 AM	CHI-15	ECD	TV	OCO	7	941
P00431735-1	2/17/2018	9:46:19 AM	PMA-16	ECE	TV	OCO	276	127,218
P00431736-1	2/17/2018	9:46:40 AM	MWD-13	EBE	TV	OCO	24	14,181
P00431751-1	2/17/2018	9:49:29 AM	RPT-15	ECD	TV	OCO	1,230	140,118
P00431752-1	2/17/2018	9:52:36 AM	NBE-12	EBF	TV	OSV	1	901
P00431755-1	2/17/2018	9:55:48 AM	PHA-16	EBE	TV	OCO	4	1,118
P00431758-1	2/17/2018	9:58:48 AM	RPT-22	ECD	TV	OFU	58	18,538
P00431761-1	2/17/2018	9:58:49 AM	ENU-17	EBI	UN	OCO	1	85
P00431759-1	2/17/2018	9:59:07 AM	PHA-17	EBE	TV	OCO	36	3,277
P00432253-1	2/17/2018	10:00:28 AM	CLY-26	EBE	TV	OCO	14	3,026
P00431765-1	2/17/2018	10:03:18 AM	SIN-24	ECD	UN	OFC	2	679
P00431771-1	2/17/2018	10:05:32 AM	EGT-12	EBE	TV	OCO	6	1,358
P00431776-1	2/17/2018	10:10:00 AM	RPT-26	ECD	TV	OCO	40	20,865
P00432892-1	2/17/2018	10:10:16 AM	PIK-23	EBF	TV	OTF	3	2,708
P00431778-1	2/17/2018	10:11:40 AM	FNW-16	ECD	TV	OPI	1,261	1,034,048
P00431786-1	2/17/2018	10:12:28 AM	FNW-17	ECD	TV	OTR	831	928,587
P00431789-1	2/17/2018	10:12:36 AM	VAS-13	EBL	TV	OSV	3	2,152
P00431810-1	2/17/2018	10:14:19 AM	SNQ-17	EBF	TV	OCO	106	7,618
P00431844-1	2/17/2018	10:22:03 AM	EPO-13	ECD	UN	OCO	1,461	157,033
P00433257-1	2/17/2018	10:23:45 AM	FRA-16	ECD	TV	OCO	508	249,267
P00431849-1	2/17/2018	10:24:44 AM	NNO-15	EBJ	TV	OCO	1,551	167,094
P00431850-1	2/17/2018	10:26:14 AM	FRU-25	ECA	TV	OCO	43	2,732
P00431851-1	2/17/2018	10:26:41 AM	OSC-23	EBI	TV	OCO	174	21,918
P00431855-1	2/17/2018	10:29:21 AM	HOB-17	EBI	TV	OCO	68	38,752
P00431874-1	2/17/2018	10:45:11 AM	PMA-13	ECE	TV	OCO	917	75,755
P00431875-1	2/17/2018	10:46:27 AM	FRA-13	ECD	TV	OTR	25	37,025
P00431877-1	2/17/2018	10:47:04 AM	FRG-22	ECC	TV	OTR	19	2,044
P00431878-1	2/17/2018	10:47:38 AM	PHA-13	EBE	TV	OCO	66	6,365
P00431860-1	2/17/2018	10:48:52 AM	KNT-37	EBJ	SO	USV	1	19
P00431880-1	2/17/2018	10:49:01 AM	SLA-16	EAA	TV	OCO	404	97,839
P00431908-1	2/17/2018	10:50:57 AM	SIN-23	ECD	TV	OCO	216	107,302

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00431896-1	2/17/2018	10:52:42 AM	MAP-16	EBE	TV	OCR	109	42,494
P00431902-1	2/17/2018	10:53:38 AM	SHD-18	EBI	OD	OCO	2,557	256,099
P00431911-1	2/17/2018	10:53:58 AM	VAS-13	EBL	TV	OCO	483	42,576
P00431929-1	2/17/2018	10:56:02 AM	SIN-22	ECD	UN	OFU	7	2,416
P00431919-1	2/17/2018	10:56:18 AM	MST-23	EBJ	TV	OCO	1,736	185,260
P00432053-1	2/17/2018	10:59:25 AM	SHD-18	EBI	TV	OCO	14	10,299
P00431927-1	2/17/2018	11:00:36 AM	SIN-23	ECD	UN	OTF	6	2,116
P00431948-1	2/17/2018	11:05:55 AM	FRU-25	ECA	TV	OCO	313	15,645
P00431936-1	2/17/2018	11:06:16 AM	ORT-26	ECA	TV	OCO	7	5,851
P00431979-1	2/17/2018	11:10:05 AM	VAS-12	EBL	TV	OFU	41	11,087
P00431957-1	2/17/2018	11:13:16 AM	PLA-22	EBD	TV	OCO	5	4,925
P00431965-1	2/17/2018	11:16:59 AM	EGT-28	EBE	TV	OSV	3	657
P00431968-1	2/17/2018	11:17:25 AM	MIL-16	ECE	TV	OFU	18	1,926
P00431969-1	2/17/2018	11:17:38 AM	BON-17	ECA	TV	OCO	1,951	452,715
P00431971-1	2/17/2018	11:18:19 AM	TOL-15	EBD	TV	OCO	122	88,536
P00431972-1	2/17/2018	11:18:38 AM	PHA-13	EBE	TV	OTF	4	1,647
P00431996-1	2/17/2018	11:22:11 AM	HOB-15	EBI	TV	OCO	1,375	489,468
P00432002-1	2/17/2018	11:24:02 AM	43447	ECC	TV	OPO	791	106,632
P00431998-1	2/17/2018	11:24:59 AM	SCH-15	EAA	TV	OCO	64	4,443
P00432007-1	2/17/2018	11:25:07 AM	HOL-13	ECA	TV	OCO	1,596	14,524
P00432021-1	2/17/2018	11:32:59 AM	CLV-16	EAD	TV	OCO	63	7,051
P00432045-1	2/17/2018	11:36:30 AM	ORT-23	ECA	TV	OCO	10	9,749
P00432028-1	2/17/2018	11:38:40 AM	BRE-11	ECD	TV	OFU	40	6,529
P00432032-1	2/17/2018	11:40:27 AM	KNO-13	ECA	TV	OSV	5	1,479
P00432042-1	2/17/2018	11:41:44 AM	CHA-15	ECC	TV	OCO	611	212,883
P00432043-1	2/17/2018	11:42:19 AM	FRA-15	ECD	TV	OCO	1,507	135,580
P00431734-1	2/17/2018	11:43:25 AM	NBE-13	EBF	TV	OCO	248	18,824
P00432049-1	2/17/2018	11:45:40 AM	NBE-13	EBF	TV	OCO	57	11,382
P00432050-1	2/17/2018	11:46:14 AM	MIR-16	EBF	TV	OCO	44	17,691
P00432058-1	2/17/2018	11:52:21 AM	LOL-21	ECD	TV	OFU	38	22,074
P00432069-1	2/17/2018	11:57:36 AM	CLV-15	EAD	TV	OCO	19	1,023
P00432072-1	2/17/2018	11:58:31 AM	LMC-27	EBE	TV	OSV	1	713
P00432074-1	2/17/2018	11:59:27 AM	SKY-25	EBD	TV	OCO	431	296,552
P00432080-1	2/17/2018	12:00:52 PM	MVW-15	EBJ	TV	OCO	449	41,540
P00432092-1	2/17/2018	12:02:11 PM	FRG-25	ECC	TV	OCO	55	45,791
P00432097-1	2/17/2018	12:03:45 PM	SKY-23	EBD	TV	OCO	110	39,305
P00432114-1	2/17/2018	12:08:23 PM	LYN-17	EAA	TV	OCO	59	5,502
P00432118-1	2/17/2018	12:13:21 PM	BDI-15	EBI	TV	OCO	-	1,613
P00432121-1	2/17/2018	12:15:35 PM	LYO-15	EBJ	UN	OCO	88	41,376
P00432134-1	2/17/2018	12:20:35 PM	LAT-14	EBJ	TV	OCO	411	71,461
P00432137-1	2/17/2018	12:21:11 PM	ROC-17	ECC	TV	OCO	43	19,299
P00432142-1	2/17/2018	12:22:35 PM	CUM-15	EBI	TV	OCO	82	50,451

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00432146-1	2/17/2018	12:23:17 PM	HKX-12	EAC	TV	UTC	17	908
P00432149-1	2/17/2018	12:23:40 PM	SWI-16	ECC	TV	OAR	388	233,919
P00432152-1	2/17/2018	12:24:17 PM	GWR-13	EBI	TV	OCO	11	18,796
P00432164-1	2/17/2018	12:27:01 PM	SWA-13	EAD	EF	OJU	93	20,020
P00432165-1	2/17/2018	12:27:25 PM	BKB-14	EAC	UN	OTF	1	18
P00432172-1	2/17/2018	12:29:22 PM	VAS-13	EBL	TV	OFU	9	483
P00432196-1	2/17/2018	12:29:25 PM	WLS-15	EAC	TV	OCO	1,015	121,665
P00432175-1	2/17/2018	12:29:48 PM	GWR-13	EBI	TV	OCO	12	41,319
P00432179-1	2/17/2018	12:29:55 PM	EPO-13	ECD	TV	OCO	152	44,164
P00432651-1	2/17/2018	12:33:01 PM	WLS-16	EAC	TV	OCO	28	25,834
P00432254-1	2/17/2018	12:33:21 PM	EDG-16	ECA	TV	OCO	148	78,843
P00433247-1	2/17/2018	12:34:32 PM	BKB-14	EAC	TV	OCO	13	16,688
P00432241-1	2/17/2018	12:40:32 PM	ALG-12	EAC	TV	OCO	33	5,373
P00432243-1	2/17/2018	12:40:59 PM	BKB-12	EAC	TV	OCO	19	11,595
P00432263-1	2/17/2018	12:45:46 PM	PET-12	EAC	TV	OCO	54	11,132
P00432267-1	2/17/2018	12:46:38 PM	HLC-25	EAD	TV	OSV	1	411
P00432356-1	2/17/2018	12:54:00 PM	TLN-0078	EAD	TV	OCO	4,877	484,125
P00432283-1	2/17/2018	12:55:12 PM	BDI-13	EBI	TV	OCO	784	495,737
P00432378-1	2/17/2018	12:58:52 PM	TAN-13	ECC	TV	OCO	22	26,254
P00432953-1	2/17/2018	12:59:04 PM	LWS-13	EBJ	TV	OCO	60	36,786
P00432386-1	2/17/2018	12:59:40 PM	RIT-18	EAC	TV	OCO	153	67,101
P00432430-1	2/17/2018	12:59:54 PM	BRS-24	EAC	TV	OCO	-	27,189
P00432405-1	2/17/2018	1:00:57 PM	HKX-13	EAC	TV	OCO	136	10,957
P00432414-1	2/17/2018	1:01:14 PM	DES-15	EBJ	TV	OCO	1,468	173,664
P00432412-1	2/17/2018	1:02:13 PM	ETN-13	EBH	TV	UTC	2	486
P00432413-1	2/17/2018	1:02:44 PM	MWD-13	EBE	TV	OCO	9	822
P00432434-1	2/17/2018	1:04:30 PM	BLU-13	ECC	TV	OCO	7	4,713
P00432454-1	2/17/2018	1:04:55 PM	SWE-27	EBJ	TV	OCO	2,371	362,882
P00432455-1	2/17/2018	1:05:40 PM	SKE-23	ECE	TV	OCO	597	93,959
P00432449-1	2/17/2018	1:06:23 PM	HAW-14	ECC	TV	OPO	269	69,567
P00432457-1	2/17/2018	1:07:16 PM	PIP-23	EBI	TV	OCO	48	35,327
P00432467-1	2/17/2018	1:08:46 PM	MAP-15	EBE	TV	OCO	76	47,795
P00432471-1	2/17/2018	1:10:21 PM	FNW-17	ECD	TV	OCO	107	99,268
P00432481-1	2/17/2018	1:12:55 PM	PRI-13	ECC	TV	OSV	1	358
P00432482-1	2/17/2018	1:13:05 PM	STW-13	ECA	TV	OSV	1	453
P00432483-1	2/17/2018	1:13:35 PM	FWD-01	EBJ	TV	OCO	-	1,125,143
P00432492-1	2/17/2018	1:14:40 PM	SKY-23	EBD	TV	OCO	28	4,931
P00432506-1	2/17/2018	1:16:01 PM	CAM-23	EBJ	TV	OCO	46	37,221
P00432513-1	2/17/2018	1:19:10 PM	SNN-22	EAA	TV	OCO	2	3,273
P00432525-1	2/17/2018	1:21:56 PM	GBK-15	EAD	TV	OCO	6	4,538
P00432526-1	2/17/2018	1:21:59 PM	LON-23	ECC	TV	OFC	2	1,882
P00432532-1	2/17/2018	1:22:02 PM	ROL-15	EBJ	TV	OCO	2,607	784,402

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00432574-1	2/17/2018	1:23:35 PM	BON-15	ECA	TV	OCO	-	23,783
P00432534-1	2/17/2018	1:24:11 PM	HEM-16	ECA	TV	OCO	15	8,719
P00432546-1	2/17/2018	1:25:37 PM	HAZ-13	EBE	EF	OPO	1,264	241,199
P00432543-1	2/17/2018	1:27:14 PM	MIR-15	EBF	EF	OTR	2	1,607
P00432545-1	2/17/2018	1:27:18 PM	PMA-15	ECE	TV	OFU	33	13,949
P00432578-1	2/17/2018	1:31:32 PM	KAP-13	ECA	TV	OCO	62	58,285
P00432584-1	2/17/2018	1:32:33 PM	GBK-15	EAD	TV	OCO	14	15,498
P00432592-1	2/17/2018	1:33:03 PM	FNW-13	ECD	TV	OCR	1,045	290,501
P00432593-1	2/17/2018	1:34:12 PM	YEL-27	ECC	TV	OCO	28	12,144
P00432596-1	2/17/2018	1:34:45 PM	SUN-14	ECA	TV	OCO	31	28,750
P00432597-1	2/17/2018	1:35:17 PM	FWY-11	EBJ	OD	OCO	621	291,912
P00432612-1	2/17/2018	1:37:48 PM	MAN-15	ECD	TV	OTF	4	1,796
P00432627-1	2/17/2018	1:38:49 PM	PAN-12	EBJ	TV	OCO	566	161,037
P00433503-1	2/17/2018	1:38:53 PM	MIL-17	ECE	TV	OFU	25	21,477
P00432624-1	2/17/2018	1:40:12 PM	CAP-15	ECC	UN	OTF	8	3,228
P00432625-1	2/17/2018	1:40:26 PM	PHA-16	EBE	EF	OSV	1	264
P00432628-1	2/17/2018	1:40:45 PM	EGT-12	EBE	TV	OTF	1	399
P00432638-1	2/17/2018	1:42:43 PM	MKI-14	ECC	TV	OCO	26	22,105
P00432643-1	2/17/2018	1:45:40 PM	PIP-23	EBI	TV	OCO	68	70,205
P00432654-1	2/17/2018	1:45:50 PM	FRA-15	ECD	TV	OCO	1,507	255,010
P00432667-1	2/17/2018	1:47:00 PM	TLN-0050	EAD	TV	OCO	5,123	126,160
P00432599-1	2/17/2018	1:48:00 PM	NBE-13	EBF	TV	OCO	109	5,603
P00432704-1	2/17/2018	1:50:00 PM	MUR-16	ECE	TV	OCO	602	161,226
P00432670-1	2/17/2018	1:50:29 PM	DGR-13	ECA	TV	OCO	209	101,623
P00432674-1	2/17/2018	1:51:11 PM	VAS-13	EBL	TV	OCO	119	20,768
P00432676-1	2/17/2018	1:51:40 PM	DGR-13	ECA	EF	OFU	10	1,547
P00432710-1	2/17/2018	1:56:26 PM	MLK-12	EBE	TV	OCO	25	4,304
P00432725-1	2/17/2018	1:57:00 PM	ROS-15	EBD	UN	OCO	1,472	180,026
P00432726-1	2/17/2018	1:59:17 PM	PEA-15	EBJ	TV	OCO	46	12,950
P00432937-1	2/17/2018	2:00:00 PM	TLN-0173	EBJ	TV	OCO	-	334,814
P00432737-1	2/17/2018	2:00:22 PM	EGT-27	EBE	TV	OCO	57	4,835
P00432000-1	2/17/2018	2:03:30 PM	SIN-23	ECD	TV	OCO	2	14
P00432826-1	2/17/2018	2:03:37 PM	LON-23	ECC	TV	OCO	18	10,604
P00432827-1	2/17/2018	2:03:40 PM	RPT-26	ECD	EF	OTF	2	771
P00433155-1	2/17/2018	2:07:00 PM	TLN-0098	ECD	TV	OCO	3,822	480,873
P00432853-1	2/17/2018	2:07:47 PM	TOL-15	EBD	TV	OCO	51	11,130
P00432856-1	2/17/2018	2:08:51 PM	MIR-17	EBF	TV	OCO	177	39,244
P00432868-1	2/17/2018	2:10:39 PM	SWE-23	EBJ	UN	OCO	558	76,223
P00432866-1	2/17/2018	2:11:19 PM	PIP-22	EBI	TV	OCO	15	9,491
P00432873-1	2/17/2018	2:12:50 PM	ZEN-23	EBJ	TV	OSV	6	3,405
P00432875-1	2/17/2018	2:13:11 PM	LMD-16	EBJ	TV	OCO	5	2,586
P00432888-1	2/17/2018	2:16:27 PM	ELL-14	EBJ	TV	OSV	1	352

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00432893-1	2/17/2018	2:17:37 PM	EGT-27	EBE	TV	OTF	6	410
P00432894-1	2/17/2018	2:18:05 PM	LLT-16	EBD	TV	OCO	5	1,206
P00432895-1	2/17/2018	2:18:32 PM	KCR-16	EBJ	TV	OCO	24	19,282
P00432896-1	2/17/2018	2:18:55 PM	SIN-23	ECD	UN	OCO	30	3,504
P00432904-1	2/17/2018	2:21:22 PM	VIS-26	EAA	TV	OTF	6	708
P00432906-1	2/17/2018	2:23:11 PM	LMD-15	EBJ	TV	OCO	3	4,709
P00432919-1	2/17/2018	2:28:43 PM	MIR-13	EBF	TV	OCO	7	1,399
P00432921-1	2/17/2018	2:29:02 PM	MIR-17	EBF	TV	OSV	1	732
P00432934-1	2/17/2018	2:32:17 PM	HOL-15	ECA	TV	OCO	1,264	71,774
P00432931-1	2/17/2018	2:33:16 PM	VAS-13	EBL	TV	OCO	7	3,626
P00432944-1	2/17/2018	2:35:22 PM	VAS-23	EBL	TV	OCR	477	136,931
P00432982-1	2/17/2018	2:37:16 PM	WLS-15	EAC	TV	OCO	133	63,269
P00432952-1	2/17/2018	2:38:13 PM	TAN-13	ECC	TV	OFU	109	25,717
P00432549-1	2/17/2018	2:45:41 PM	ELL-16	EBJ	TV	OPO	434	186,235
P00433227-1	2/17/2018	2:46:50 PM	WLS-15	EAC	TV	OCO	101	33,708
P00433004-1	2/17/2018	2:49:43 PM	WLS-15	EAC	OD	OFC	10	3,163
P00433018-1	2/17/2018	2:53:13 PM	CED-13	ECA	TV	OCO	16	2,910
P00433023-1	2/17/2018	2:55:32 PM	PET-16	EAC	EF	OTF	3	292
P00433110-1	2/17/2018	3:01:46 PM	PEA-17	EBJ	TV	OSV	7	3,247
P00433136-1	2/17/2018	3:05:25 PM	VAS-12	EBL	TV	OCO	45	29,502
P00433142-1	2/17/2018	3:05:51 PM	OSC-23	EBI	UN	OTF	1	752
P00433163-1	2/17/2018	3:11:19 PM	CLV-16	EAD	TV	OCO	57	14,515
P00433168-1	2/17/2018	3:14:20 PM	LHL-26	EBE	TV	OTF	12	2,164
P00433173-1	2/17/2018	3:18:14 PM	SHA-13	ECA	TV	OSV	6	3,235
P00432466-1	2/17/2018	3:18:40 PM	RPT-22	ECE	TV	OCR	58	51,259
P00433179-1	2/17/2018	3:19:39 PM	FRG-22	ECC	TV	OCO	3	2,526
P00433192-1	2/17/2018	3:26:56 PM	BON-15	ECA	TV	OTF	4	318
P00433194-1	2/17/2018	3:28:37 PM	HAZ-15	EBE	TV	OCO	19	5,679
P00433199-1	2/17/2018	3:31:32 PM	EGT-27	EBE	TV	OTF	6	1,341
P00433211-1	2/17/2018	3:41:12 PM	PEA-15	EBJ	TV	OCO	2	1,744
P00433212-1	2/17/2018	3:43:21 PM	LUH-14	ECC	TV	OTF	1	325
P00433232-1	2/17/2018	3:56:48 PM	FWD-13	EBJ	TV	OCO	1,511	1,653,718
P00433241-1	2/17/2018	4:02:13 PM	LMC-25	EBE	UN	OMP	1	391
P00433250-1	2/17/2018	4:11:28 PM	CLV-16	EAD	TV	OCR	1	749
P00433255-1	2/17/2018	4:14:10 PM	FNW-13	ECD	UN	OFU	123	10,268
P00433261-1	2/17/2018	4:14:15 PM	LYO-11	EBJ	TV	OCO	2,491	968,887
P00433263-1	2/17/2018	4:16:30 PM	GWR-13	EBI	TV	OPO	6	8,043
P00433296-1	2/17/2018	4:20:59 PM	LAT-14	EBJ	TV	OCO	61	4,267
P00432924-1	2/17/2018	4:27:34 PM	KCR-17	EBJ	TV	OCO	1,580	34,075
P00433308-1	2/17/2018	4:30:16 PM	PMA-15	ECE	TV	OTF	1	268
P00433330-1	2/17/2018	4:39:33 PM	FRA-15	ECD	TV	OCO	1,507	83,236
P00433339-1	2/17/2018	4:44:43 PM	MIR-13	EBF	TV	OCO	12	1,316

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00433341-1	2/17/2018	4:45:37 PM	GWR-16	EBI	TV	OCO	7	14,230
P00432995-1	2/17/2018	4:46:10 PM	VAS-13	EBL	TV	OCO	119	28,008
P00433345-1	2/17/2018	4:48:22 PM	FRA-12	ECD	TV	OCO	19	23,611
P00433346-1	2/17/2018	4:48:29 PM	HOL-12	ECA	TV	OFU	30	6,329
P00433347-1	2/17/2018	4:50:05 PM	DUV-13	EBD	TV	OCO	1	485
P00433359-1	2/17/2018	5:02:16 PM	LAT-14	EBJ	TV	OCO	3	135
P00433365-1	2/17/2018	5:06:30 PM	EPO-16	ECD	TV	OSV	1	23
P00433407-1	2/17/2018	5:09:52 PM	CLE-11	EBH	TV	OCO	10	8,954
P00433393-1	2/17/2018	5:30:14 PM	STA-23	EBJ	EF	OTF	6	2,495
P00433401-1	2/17/2018	5:34:26 PM	MED-37	EBE	EF	OCO	48	4,605
P00433416-1	2/17/2018	5:53:07 PM	ELD-25	ECC	EF	PTF	2	442
P00432354-1	2/17/2018	5:53:51 PM	NBE-16	EBD	TV	OCO	86	6,713
P00433424-1	2/17/2018	5:59:24 PM	CLE-11	EBH	OD	OCO	28	21,780
P00433391-1	2/17/2018	6:16:23 PM	TOL-15	EBD	TV	OCO	36	536
P00433446-1	2/17/2018	6:21:21 PM	SOM-17	EBE	TV	OTF	15	1,100
P00433254-1	2/17/2018	6:25:37 PM	NBE-12	EBF	TV	OCO	815	16,694
P00433202-1	2/17/2018	6:37:26 PM	HYA-13	EBF	TV	OSV	1	62
P00433477-1	2/17/2018	6:58:15 PM	NBE-12	EBF	TV	OTF	3	571
P00433487-1	2/17/2018	7:12:16 PM	MIR-16	EBF	TV	OTF	1	276
P00433492-1	2/17/2018	7:18:02 PM	CPV-15	EAD	TV	OSV	1	499
P00433401-1	2/17/2018	7:19:02 PM	MED-37	EBE	EF	OCO	9	8,750
P00433414-1	2/17/2018	7:25:39 PM	GRI-16	ECC	TV	OCO	112	468,449
P00433499-1	2/17/2018	7:36:58 PM	ROC-26	ECC	EF	OTF	1	307
P00432483-1	2/17/2018	7:47:00 PM	FWD-01	EBJ	TV	OCO	5,371	78,824
P00431880-1	2/17/2018	7:50:01 PM	SLA-16	EAA	TV	OCO	269	21,838
P00433515-1	2/17/2018	8:01:05 PM	SBE-26	EBE	TV	UTC	1	767
P00433521-1	2/17/2018	8:08:12 PM	FWD-17	EBJ	TV	OCO	1,040	9,654
P00433530-1	2/17/2018	8:15:36 PM	LOL-21	ECD	TV	OCO	2	271
P00433534-1	2/17/2018	8:21:58 PM	FRA-16	ECD	TV	OCO	1	744
P00433572-1	2/17/2018	8:59:53 PM	NBE-12	EBF	OD	OSV	1	479
P00433576-1	2/17/2018	9:11:02 PM	PLA-22	EBD	TV	OCO	1	989
P00433482-1	2/17/2018	9:28:06 PM	PEA-17	EBJ	UN	OCO	5	851
P00433582-1	2/17/2018	9:32:14 PM	FRA-12	ECD	TV	OTR	20	13,154
P00433584-1	2/17/2018	9:33:18 PM	SCH-12	EAA	UN	OFU	17	2,587
P00433586-1	2/17/2018	9:35:04 PM	PRI-13	ECC	EF	USC	2	2,340
P00433593-1	2/17/2018	9:47:22 PM	LMD-15	EBJ	TV	OCO	209	2,346
P00433600-1	2/17/2018	10:23:59 PM	BHS-14	EAA	UN	OFU	75	31,409
P00432222-1	2/17/2018	10:29:50 PM	GRV-16	ECA	EF	OPO	36	27,575
P00433606-1	2/17/2018	10:31:28 PM	LYN-17	EAA	UN	OFU	277	74,681
P00433482-3	2/17/2018	10:37:29 PM	PEA-17	EBJ	TV	OCO	5	503
P00432839-1	2/17/2018	10:50:35 PM	SME-12	EBE	TV	OPO	244	30,151
P00433624-1	2/17/2018	11:32:34 PM	BDI-13	EBI	TV	OCO	339	46,793

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00432354-2	2/17/2018	11:42:41 PM	NBE-16	EBD	TV	OCO	29	5,029
P00433414-2	2/17/2018	11:48:21 PM	GRI-16	ECC	TV	OCO	1,521	550,526

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



2/17/2018 Briefing Generator

http://161.55.224.246/briefingDev_v2_3/briefingDev/createbriefing.php 1/1

Winter weather this weekend

Issued: 12:08 PM PT Saturday, February 17th, 2018

Point of Contact: NWS Opera_ons (24/7) - 206-526-6857

CHANGES SINCE PREVIOUS BRIEFING

- Forecast snow amounts are now generally lighter for the lowlands Sunday. Much of the Seattle metro area is now forecast to receive less than an inch of snow. Most of the rest of the lowlands will get an inch or two at most. The sole excep_on is the area around the
- Strait of Juan de Fuca, which is now forecast to receive two to four inches of snow. Any snow that does occur will probably be brief and in the morning, with clearing from the north during the day Sunday.

WEATHER IMPACTS

- High Confidence IMPACTS...Heavy snow in the Cascades will affect travel over Snoqualmie and Stevens Passes Saturday and Saturday night.
- Moderate Confidence IMPACTS...Two to four inches of snow along the Strait of Juan de Fuca will affect travel, especially around Port Angeles late Saturday night into Sunday.
- Southerly winds on Saturday, 20-35 mph gusting to 50 mph, may cause tree damage and isolated power outages.
- Northerly winds on Sunday, 15-30 mph gusting to 40 mph, could cause similar or greater impacts. Wind from unusual directions, such as from the north, tend to cause more damage and impacts than southerly winds.
- There is an astronomical high tide Sunday morning; coupled with strong north wind and low atmospheric
- pressure, this high tide could cause minor tidal overflow in some places, especially around Puget Sound.
- Low Confidence IMPACTS...A few inches of snow on Sunday could make travel around the interior lowlands difficult. At this point, more than an inch of snow over the lowlands, aside from the Strait area, is possible but not likely.

FORECAST DETAIL

- A winter storm warning is in effect for the Cascades until 6 AM Sunday above 2000 feet. Up to two feet of new snow accumulation is forecast in the highway passes.
- On Sunday, 2-4 inches of snow is possible over the lowlands along the Strait of Juan de Fuca. The snow level will be near sea level.
- Some snow is possible over the interior lowlands, especially in Skagit and Whatcom Coun_es, and south of Olympia. Most areas will receive 0-2 inches, and much of the Seattle metro area is forecast to receive less than an inch.
- Southerly winds on Saturday will be at advisory levels, 20-35 mph with gusts to 50 mph, over the interior lowlands and the coast.
- Strong northerly winds are possible on Sunday over the interior lowlands. Northerly winds usually cause more impacts than southerly winds of similar speeds. Cold air will settle over the region Sunday night. Overnight lows in the 20s, with some teens, will be widespread Sunday nigh through Tuesday night.