



2017
Qualifying Events Report

February 4, 2017 Event

Filed on May 4, 2017

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Event Description

Event Date and Time

Start: 2/4/2017, 07:30

End: 2/11/2017, 04:21

Event Type

Wind, Snow, Ice

Service Areas Significantly Affected

Whatcom County, Skagit County, Island County, King County, Pierce County, Thurston County, Kitsap County, Vashon Island, Kittitas County

Number of Customers Affected

System wide, approximately 329,890 customers were without power during the course of this event.

Summary of System Impacts

Total Number of Outages for the Event	1,981
Number of Outages at Peak	729

Transmission Lines Affected	19
Substations Offline	1

Mobilization Summary

Operating Bases Placed In Emergency Status

Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom/Skagit/Island *	2/4/2017	12:30	2/10/2017	18:30
North King	2/6/2017	01:15	2/10/2017	00:00
South King	2/6/2017	04:45	2/8/2017	17:30
Pierce	2/6/2017	01:30	2/8/2017	06:00
Thurston	2/5/2017	23:00	2/7/2017	21:00
Kitsap	2/6/2017	06:00	2/10/2017	21:00
Vashon	2/6/2017	06:00	2/10/2017	21:00
Kittitas	N/A	N/A	N/A	N/A

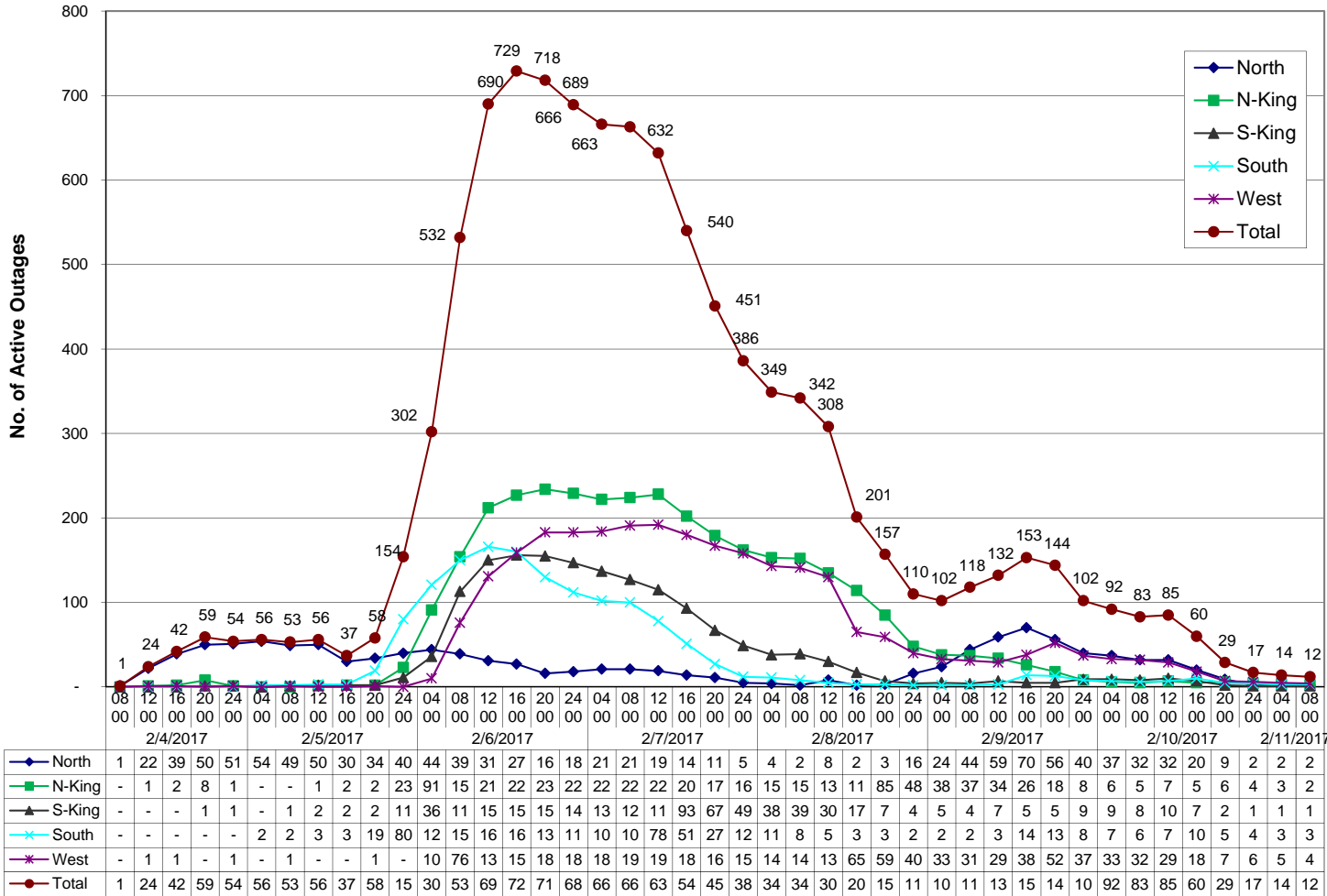
- Whatcom, Skagit and Island opened on 2/4, closed on 2/7/2017 at 19:30, re-opened on 2/9/2017 at 07:00 with a final close of 2/10/2017 at 18:30

Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	2/6/2017	01:00	2/10/2017	18:30

Active Outage Event Chart

Number of Active Outages - 2/4/2017, 07:30, to 2/11/2017, 04:21



Date & Time

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 2017: 6.72 Minutes

Qualified Events - 2017

Current Event – Calculation Detail

Event Date, Time Range	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
2/4/2017, 07:30 – 2/11/2017, 04:21	172,375,907	1,133,606	152.06

Daily SAIDI Detail for Days Exceeding PSE's 2017 IEEE Major Event Threshold of 6.72 Minutes

Date	Daily SAIDI (from midnight to midnight)	O&M ³ Costs– Deferrable Accumulation
2/5/2017	20.67	\$8,000,000

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
2017 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
2/4/2017	\$8,856,627	\$0	\$0	\$8,000,000	\$8,000,000	\$16,856,627

2017 YTD Restoration Costs Detail

Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
\$8,856,627	\$0	\$0	\$8,000,000	\$8,000,000	\$16,856,627

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

Puget Sound Energy						
February 4, 2017- Qualifying Storm Damage Repair Costs						
	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor						
ST	\$ -	\$ -	\$ -	\$ 249,463	\$ 249,463	\$ 249,463
OT	\$ -	\$ -	\$ -	\$ 1,718,804	\$ 1,718,804	\$ 1,718,804
Total Labor	\$ -	\$ -	\$ -	\$ 1,968,267	\$ 1,968,267	\$ 1,968,267
Labor OH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Materials	\$ -	\$ -	\$ -	\$ 462,395	\$ 462,395	\$ 462,395
Contractors	\$ -	\$ -	\$ -	\$ 13,091,860	\$13,091,860	\$13,091,860
Other Direct Charges	\$ -	\$ -	\$ -	\$ 207,992	\$ 207,992	\$ 207,992
Fleet	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Assessments	\$ -	\$ -	\$ -	\$ 1,126,113	\$ 1,126,113	\$ 1,126,113
Deferred Expenses	\$ 8,856,627	\$ -	\$ -	\$ -	\$ (8,856,627)	\$ -
	\$ 8,856,627	\$ -	\$ -	\$ 16,856,627	\$ 8,000,000	\$16,856,627

Detailed List of Outages - 2/5/2017, First T_{MED}-Exceeding Day

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00345318-1	2/5/2017	0:25	VWY-12	EAA	AC	OPO	25	18,232
P00345328-1	2/5/2017	1:27	NUG-26	EAA	TV	OFU	-	2,654
P00345295-1	2/5/2017	1:35	NUG-26	EAA	TV	OCO	824	835,778
P00345293-1	2/5/2017	1:38	NUG-26	EAA	TV	OCO	-	31,549
P00345976-1	2/5/2017	1:42	NUG-26	EAA	TV	OCO	20	40,809
P00345298-1	2/5/2017	1:47	NUG-26	EAA	TV	OCO	43	65,246
P00345332-1	2/5/2017	1:56	NUG-26	EAA	TV	OCO	-	70,205
P00345317-1	2/5/2017	2:20	CHA-13	ECC	EF	OCO	51	14,959
P00345322-1	2/5/2017	2:23	TLN-0003	EAA	TV	OCO	1,045	2,770,644
P00345325-1	2/5/2017	2:33	TLN-0002	EAA	TV	OCO	2,366	2,241,912
P00345560-1	2/5/2017	2:35	KEN-12	EAA	TV	OHR	1,444	1,597,387
P00345527-1	2/5/2017	2:38	KEN-12	EAA	TV	OCO	5	7,979
P00345326-1	2/5/2017	2:43	HAN-12	EAA	TV	OCO	150	42,682
P00345329-1	2/5/2017	2:56	GRI-15	ECC	EF	UPC	5	2,842
P00345334-1	2/5/2017	3:31	LYN-24	EAA	TV	OCO	1	611
P00344924-1	2/5/2017	3:43	LYN-24	EAA	UN	OIN	22	893
P00345335-1	2/5/2017	3:46	BRS-24	EAC	TV	OFU	43	16,451
P00345336-1	2/5/2017	3:49	LAB-25	EAA	TV	OFU	5	2,522
P00345342-1	2/5/2017	5:09	WAY-16	EBD	BA	OTF	2	184
P00345344-1	2/5/2017	5:14	FNW-17	ECD	EF	OCN	23	3,537
P00345346-1	2/5/2017	5:46	ROC-26	ECC	EF	OPI	33	1,266
P00345354-1	2/5/2017	6:25	TLN-0264	EAA	TV	SCS	2,381	41,151
P00345472-1	2/5/2017	6:46	GWR-16	EBI	UN	OHR	324	145,687
P00345369-1	2/5/2017	6:48	SCH-13	EAA	TV	OCO	5	3,511
P00345386-1	2/5/2017	7:05	BHS-12	EAA	TV	OTR	1	795
P00345397-1	2/5/2017	7:31	BLA-13	EAA	TV	OSV	1	289
P00345219-2	2/5/2017	7:35	MAN-15	ECD	AC	OPO	4	591
P00345401-1	2/5/2017	7:47	VWY-15	EAA	TV	OCO	1	413
P00345407-1	2/5/2017	8:06	HAN-12	EAA	OD	OFU	5	1,657
P00345414-1	2/5/2017	8:42	RIV-16	EAC	BA	OTF	1	102
P00345417-1	2/5/2017	9:23	MVW-15	EBJ	EF	UTR	9	3,717
P00345251-2	2/5/2017	9:39	NUG-26	EAA	TV	OCO	92	71,071
P00345425-1	2/5/2017	9:59	BHS-14	EAA	EF	OFU	1	237
P00345426-1	2/5/2017	10:03	BHS-12	EAA	EF	OTR	3	1,848
P00345427-1	2/5/2017	10:05	ORT-23	ECA	TV	OCO	39	14,488
P00345432-1	2/5/2017	10:15	ROE-17	EAA	UN	OTF	5	613
P00345433-1	2/5/2017	10:17	HAN-15	EAA	TV	OSV	1	335
P00345435-1	2/5/2017	10:33	HAN-15	EAA	TV	OCO	11	17,760

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00345437-1	2/5/2017	10:37	WLK-15	ECA	TV	OCO	4	3,816
P00345440-1	2/5/2017	10:50	HAN-15	EAA	TV	OCO	7	1,862
P00345229-1	2/5/2017	10:50	LAU-13	EAA	TV	OIN	1	1
P00345326-2	2/5/2017	11:20	HAN-12	EAA	TV	OCO	150	4,569
P00345173-1	2/5/2017	11:28	HAN-13	EAA	TV	OFU	1,328	78,263
P00345449-1	2/5/2017	11:28	HAN-13	EAA	TV	SCB	1,326	78,145
P00345458-1	2/5/2017	11:36	HAN-16	EAA	UN	OFU	34	4,338
P00345463-1	2/5/2017	12:21	BIG-12	EAC	UN	OFU	1	88
P00345470-1	2/5/2017	12:42	HAN-16	EAA	TV	ACE	1	155
P00345602-1	2/5/2017	13:09	NUG-26	EAA	TV	OFU	13	7,025
P00345477-1	2/5/2017	13:11	COL-26	EBE	TV	OCO	7	422
11288826	2/5/2017	15:07	EGT-11	EBE	EF	USV	1	41
P00345513-1	2/5/2017	15:15	ORT-26	ECA	UN	OFU	18	1,408
P00345517-1	2/5/2017	15:22	LYN-13	EAA	UN	OFU	103	99,697
P00345475-2	2/5/2017	15:29	SCH-16	EAA	EF	OCR	5	582
P00345595-1	2/5/2017	15:35	GWR-16	EBI	UN	OCO	394	435,652
P00347752-1	2/5/2017	16:16	AIR-26	ECC	TV	OFU	31	40,421
P00345541-1	2/5/2017	16:28	ROC-17	ECC	TV	OFU	19	6,767
P00345545-1	2/5/2017	16:48	LON-17	ECC	TV	OCO	-	3,340
P00345546-1	2/5/2017	16:56	YEL-25	ECC	TV	OFU	91	8,812
P00345551-1	2/5/2017	16:59	NUG-26	EAA	TV	OFU	7	1,725
P00345553-1	2/5/2017	17:07	KAP-16	ECA	OD	OCO	67	69,887
P00344811-1	2/5/2017	17:36	VIS-26	EAA	EF	OPO	1	1,028
P00345563-1	2/5/2017	17:37	WLK-15	ECA	UN	OPI	16	5,034
P00345564-1	2/5/2017	17:51	GWR-13	EBI	TV	OFC	45	59,779
P00345567-1	2/5/2017	17:56	LON-25	ECC	TV	OTR	135	138,289
P00345570-1	2/5/2017	17:58	ELD-25	ECC	TV	OCO	1	1,553
P00345571-1	2/5/2017	18:00	HAN-16	EAA	TV	OCO	8	8,367
P00351946-1	2/5/2017	18:01	GLA-12	EAA	TV	OCO	188	284,488
P00345575-1	2/5/2017	18:14	HAN-16	EAA	OD	OCO	63	13,435
P00345584-1	2/5/2017	18:28	GAR-13	ECA	TV	OCO	-	7,916
P00345585-1	2/5/2017	18:29	LYN-24	EAA	UN	OFU	-	1,258
P00345594-1	2/5/2017	18:45	ORT-23	ECA	OD	OFU	39	110,603
P00345464-2	2/5/2017	18:45	BAK-25	EAA	TV	OCO	7	317
P00345600-1	2/5/2017	18:52	LON-17	ECC	OD	OCO	52	11,224
P00345601-1	2/5/2017	18:55	BON-13	ECA	TV	OFU	48	5,211
P00345603-1	2/5/2017	18:59	ROC-16	ECC	TV	OFU	42	35,942
P00345590-1	2/5/2017	19:08	YEL-26	ECC	TV	OFU	42	1,064
P00345622-1	2/5/2017	19:14	SCH-13	EAA	TV	OCO	5	4,812
P00345618-1	2/5/2017	19:17	ORT-26	ECA	TV	OCO	55	127,718
P00345629-1	2/5/2017	19:23	AIR-26	ECC	EF	OFU	3	3,391
P00345634-1	2/5/2017	19:25	PAT-15	ECC	TV	OCO	41	81,601

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00345789-1	2/5/2017	19:30	RAI-12	ECC	TV	OCO	15	30,118
P00345638-1	2/5/2017	19:33	NUG-26	EAA	TV	OSV	1	1,254
P00345642-1	2/5/2017	19:38	PRI-13	ECC	TV	OFC	8	7,512
P00345644-1	2/5/2017	19:41	MWD-13	EBE	EF	OFU	10	5,508
P00345653-1	2/5/2017	19:45	HAN-13	EAA	EF	OFU	159	7,203
P00345649-1	2/5/2017	19:48	VIS-26	EAA	TV	OFU	6	5,377
P00345870-1	2/5/2017	19:49	ROC-26	ECC	TV	OCO	41	46,264
P00345665-1	2/5/2017	19:59	SIN-24	ECD	TV	SCB	1,716	142,171
P00345668-1	2/5/2017	20:00	MCA-15	ECC	TV	OCO	327	52,854
P00345671-1	2/5/2017	20:04	PLG-17	ECC	TV	OCO	23	58,530
P00345561-1	2/5/2017	20:12	WLK-15	ECA	EF	OTF	4	127
P00350877-1	2/5/2017	20:15	ORT-26	ECA	OD	OFU	4	10,045
P00345676-1	2/5/2017	20:15	RAI-14	ECC	UN	OHR	973	286,986
P00345678-1	2/5/2017	20:25	KAP-13	ECA	TV	OCO	15	42,122
P00345680-1	2/5/2017	20:25	NUG-26	EAA	TV	OCO	3	3,210
P00345703-1	2/5/2017	20:35	LAB-27	EAA	TV	OCO	95	33,343
P00345687-1	2/5/2017	20:35	MVW-17	EBJ	CP	OCO	1,551	228,487
P00345685-1	2/5/2017	20:36	LON-22	ECC	TV	OSV	1	2,701
P00345701-1	2/5/2017	20:39	PLU-21	ECC	TV	OFU	-	60,554
P00346778-1	2/5/2017	20:45	PLU-21	ECC	TV	OFU	161	3,689
P00345708-1	2/5/2017	20:53	WOO-27	ECA	TV	OSV	3	1,270
P00345711-1	2/5/2017	20:57	KEN-12	EAA	EF	OFU	105	22,939
P00345717-1	2/5/2017	21:02	KAP-16	ECA	OD	OFU	4	4,663
P00345718-1	2/5/2017	21:04	EDG-15	ECA	TV	OFU	54	57,805
P00349137-1	2/5/2017	21:10	AIR-23	ECC	TV	OFU	20	13,776
P00345723-1	2/5/2017	21:10	HOL-12	ECA	TV	OSV	6	14,002
P00348419-1	2/5/2017	21:11	LON-25	ECC	TV	OFU	1	2,402
P00345729-1	2/5/2017	21:14	FRU-26	ECA	TV	OFU	12	16,615
P00345947-1	2/5/2017	21:17	SCH-13	EAA	EF	OFC	5	1,133
P00345731-1	2/5/2017	21:17	WLK-15	ECA	TV	OFU	22	23,501
P00345732-1	2/5/2017	21:17	LON-17	ECC	TV	OCO	1,793	380,982
P00345733-1	2/5/2017	21:17	MSI-24	EBF	UN	OCO	88	56,063
P00345735-1	2/5/2017	21:17	SCH-13	EAA	EF	OFC	3	1,972
P00345748-1	2/5/2017	21:22	RHO-15	ECA	TV	OCO	2	2,874
P00345750-1	2/5/2017	21:22	BLU-13	ECC	TV	OFU	67	175,532
P00345752-1	2/5/2017	21:28	KAP-15	ECA	TV	OCO	22	42,368
P00348393-1	2/5/2017	21:29	LON-25	ECC	TV	OCO	177	285,135
P00345758-1	2/5/2017	21:31	VIS-23	EAA	EF	OTF	2	1,616
P00345759-1	2/5/2017	21:32	SCH-13	EAA	TV	OFU	4	46
P00345760-1	2/5/2017	21:34	CHA-13	ECC	TV	OCR	51	45,643
P00345762-1	2/5/2017	21:35	BHS-14	EAA	FI	OFU	73	11,118
P00345770-1	2/5/2017	21:38	TOL-17	EBD	TV	OCO	99	101,813

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00345771-1	2/5/2017	21:39	PLA-21	EBD	TV	OCO	769	136,664
P00345772-1	2/5/2017	21:39	RAI-11	ECC	TV	OFU	2	2,240
P00351356-1	2/5/2017	21:40	LON-23	ECC	TV	OFU	12	12,215
P00345786-1	2/5/2017	21:45	NUG-26	EAA	TV	OFU	22	25,499
P00345791-1	2/5/2017	21:50	KAP-15	ECA	TV	OCO	32	53,409
P00345793-1	2/5/2017	21:51	KEN-12	EAA	TV	OTF	2	2,402
P00345799-1	2/5/2017	21:52	LOL-25	ECD	TV	SCB	2,200	180,583
P00345828-1	2/5/2017	21:55	ELD-25	ECC	TV	OSV	8	9,174
P00345840-1	2/5/2017	21:57	KLA-17	EBD	TV	OSV	1	165
P00345843-1	2/5/2017	21:58	SHA-15	ECA	TV	OCO	5	13,073
P00345845-1	2/5/2017	22:01	KAP-13	ECA	OD	OCO	5	13,925
P00350422-1	2/5/2017	22:01	KAP-13	ECA	TV	OFU	83	70,661
P00345856-1	2/5/2017	22:09	KAP-15	ECA	OD	OFU	11	14,235
P00345857-1	2/5/2017	22:10	PLG-15	ECC	UN	OCO	38	37,294
P00346348-1	2/5/2017	22:15	PRI-23	ECC	TV	OCO	765	121,354
P00345865-1	2/5/2017	22:16	MOT-14	ECC	TV	OFU	236	101,869
P00346115-1	2/5/2017	22:16	BUC-16	ECA	UN	OCO	1,116	402,820
P00345885-1	2/5/2017	22:19	ROC-16	ECC	EO	UTC	1	1,087
P00345902-1	2/5/2017	22:21	SEQ-13	EBJ	TV	OSV	2	7,268
P00345910-1	2/5/2017	22:24	BHS-14	EAA	TV	OSW	62	1,890
P00345919-1	2/5/2017	22:25	LGY-12	EAD	TV	OFU	1	166
P00345935-1	2/5/2017	22:27	BLU-16	ECC	TV	OCO	57	82,864
P00345937-1	2/5/2017	22:27	RAI-12	ECC	TV	OSV	1	2,439
P00345745-1	2/5/2017	22:28	LYN-24	EAA	TV	OFU	86	28,320
P00345946-1	2/5/2017	22:30	RHO-15	ECA	UN	OFU	40	25,953
P00350700-1	2/5/2017	22:38	GRI-13	ECC	TV	OCO	13	26,546
P00345973-1	2/5/2017	22:39	CHA-15	ECC	TV	OTR	2,884	358,580
P00345971-1	2/5/2017	22:40	KNT-37	EBJ	TV	OSV	5	14,798
P00345979-1	2/5/2017	22:44	LON-26	ECC	TV	OFU	15	15,536
P00345983-1	2/5/2017	22:49	LYN-24	EAA	TV	OCO	14	18,769
P00351061-1	2/5/2017	22:51	LON-26	ECC	EF	OTF	2	2,062
P00345986-1	2/5/2017	22:52	BON-15	ECA	OD	OFU	70	42,175
P00348880-1	2/5/2017	22:54	BLU-16	ECC	TV	OFU	20	14,587
P00345991-1	2/5/2017	22:55	EGT-12	EBE	TV	OCO	73	14,456
P00345996-1	2/5/2017	22:58	SME-12	EBE	TV	OPO	403	714,860
P00347726-1	2/5/2017	22:59	GAR-13	ECA	TV	OCO	148	124,714
P00345999-1	2/5/2017	22:59	BAR-17	ECC	TV	OFU	50	28,640
P00346011-1	2/5/2017	23:01	GOO-13	EBF	TV	OFU	180	38,193
P00354324-1	2/5/2017	23:01	OSC-22	EBI	TV	OCO	21	61,982
P00346009-1	2/5/2017	23:02	FRG-25	ECC	TV	OCO	4	5,497
P00346021-1	2/5/2017	23:03	FRG-22	ECC	TV	OCO	54	61,227
P00346024-1	2/5/2017	23:04	AIR-23	ECC	TV	OCO	5	4,791

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00346029-1	2/5/2017	23:05	KAP-15	ECA	TV	OSV	1	2,535
P00346035-1	2/5/2017	23:07	NUG-25	EAA	TV	OCO	3	2,537
P00346038-1	2/5/2017	23:08	LON-26	ECC	TV	OCO	12	10,759
P00346043-1	2/5/2017	23:10	BLU-17	ECC	TV	OCO	212	357,554
P00347422-1	2/5/2017	23:12	MSI-24	EBF	TV	OFU	100	251,446
P00346096-1	2/5/2017	23:12	EDG-13	ECA	TV	OCO	156	115,186
P00345787-1	2/5/2017	23:14	OLD-25	EAA	EF	OCO	1	656
P00347133-1	2/5/2017	23:15	LMC-23	EBE	TV	OCO	804	385,489
P00347158-1	2/5/2017	23:15	LMC-27	EBE	UN	OCO	953	400,911
P00346683-1	2/5/2017	23:16	ELD-27	ECC	TV	OFU	23	21,784
P00347134-1	2/5/2017	23:17	LMC-25	EBE	TV	OCO	924	403,324
P00346087-1	2/5/2017	23:18	KLA-17	EBD	TV	OCO	1,868	104,856
P00348294-1	2/5/2017	23:18	RAI-13	ECC	UN	OFU	14	13,153
P00347155-1	2/5/2017	23:20	LMC-26	EBE	UN	OCO	244	268,668
P00346093-1	2/5/2017	23:22	WOO-25	ECA	TV	OCO	926	152,019
P00346091-1	2/5/2017	23:23	WOL-23	ECC	TV	OTF	1	1,907
P00346097-3	2/5/2017	23:26	TOL-17	EBD	TV	OCO	24	93,766
P00346097-1	2/5/2017	23:26	TOL-17	EBD	TV	OCO	24	93,751
P00346102-1	2/5/2017	23:28	HOU-25	EBD	TV	OCR	33	136,067
P00346118-1	2/5/2017	23:32	CAP-13	ECC	TV	OPO	1,033	363,720
P00346113-1	2/5/2017	23:33	AIR-23	ECC	TV	OCO	17	12,197
P00346888-1	2/5/2017	23:37	PIN-26	EBD	TV	OCO	1,982	2,403,126
P00346147-1	2/5/2017	23:38	GRI-16	ECC	TV	OFU	2	4,151
P00346149-1	2/5/2017	23:38	KWH-22	EBE	TV	OCO	273	719,709
P00346151-1	2/5/2017	23:39	BHS-14	EAA	EF	OTR	2	1,697
P00346163-1	2/5/2017	23:43	TOL-16	EBD	TV	OFU	20	46,089
P00346165-1	2/5/2017	23:43	HEM-15	ECA	TV	OCO	13	26,042
P00346166-1	2/5/2017	23:43	PRE-11	EBE	TV	OCO	222	281,119
P00346168-1	2/5/2017	23:44	UHL-25	EBD	TV	OCO	492	167,600
P00346172-1	2/5/2017	23:44	LWS-12	EBJ	TV	OCO	74	121,945
P00346173-1	2/5/2017	23:45	LON-22	ECC	UN	OCO	8	18,016
P00346179-1	2/5/2017	23:47	WAB-12	EBI	TV	OSV	1	1,204
P00347378-1	2/5/2017	23:47	KLA-17	EBD	TV	OCO	1,828	1,236,063
P00346183-1	2/5/2017	23:49	BUC-15	ECA	UN	OCO	44	15,119
P00346185-1	2/5/2017	23:50	PAT-15	ECC	TV	OCO	146	127,196
P00350488-1	2/5/2017	23:50	LWS-12	EBJ	TV	OCO	4	8,076
P00346188-1	2/5/2017	23:51	KAP-16	ECA	OD	OTF	4	4,153
P00346198-1	2/5/2017	23:53	HOB-17	EBI	EF	OIN	11	23,261
P00346205-1	2/5/2017	23:56	OSC-22	EBI	TV	OCO	16	22,323
P00346208-1	2/5/2017	23:58	CHA-13	ECC	TV	OFU	12	5,133

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



Dozens of schools closed, thousands without power as winter storm wallops Western Washington

POSTED 6:10 AM, FEBRUARY 6, 2017, BY Q13 NEWS STAFF, UPDATED AT 02:27PM, FEBRUARY 6,2017



A winter storm has left snow totals of an inch to more than a foot across western Washington, causing widespread school closures and power outages Monday.

The closures include Seattle, Tacoma, and Everett public schools.

Q13 meteorologist M.J. McDermott says the snow will continue into Monday before turning to rain for many areas by the afternoon.

A winter storm warning remains in effect for the greater Puget Sound Metro area.

Roads were slushy or snow-covered for almost everyone. Q13 traffic expert Adam Gehrke says dozens of spinouts were reported by 6 a.m.

Fallen trees and downed power lines blocked roads and caused power outages across the region.

As of 2:30 p.m., Puget Sound Energy reported about 80,000 customers without power. Seattle City Light had about 5,000. Snohomish County PUD reported 4,700 earlier in the day.

Meanwhile, the Cascade Mountains could see 30 inches of snow through Monday afternoon.

People were advised to only travel over Snoqualmie and White passes in an emergency.

Interstate 90 over Snoqualmie Pass was closed both directions until about 2 p.m.

Sea-Tac Airport said runways and taxiways remained open Monday -- about 4 inches of snow had fallen. Airport officials said there had been about 150 cancellations as of 9 a.m.

KOMONEWS.com**Snowiest storm in 5 years leaves much of Puget Sound region blanketed in white**

by KOMO Staff

SEATTLE -- It was finally our turn.



Seattle finally joined the fray [of winter weather] with its strongest region-wide winter storm of the season. In fact, it was the strongest storm Seattle had seen in over five years!

Snow totals ranged from about an inch or two in the heart of Seattle to over a foot in southeastern King and Pierce County. Frederickson (15") and Graham (14") were the leaders, with 14" while Bonney Lake

has 13" and Eatonville was right around a foot. It made for a snow day across the region as over 150 schools canceled classes, including Seattle, Auburn, Bellevue, Bellingham, Bothell, Issaquah, Lake Washington, North Thurston, Olympia, Puyallup, and Tacoma.

The snow was fun to play in for the kids, but the heavy, wet snow was too much for many trees, which sagged under the tremendous weight, taking out a number of power lines with them. At the storm's peak, about 110,000 customers without power, including over 103,000 from Puget Sound Energy and 11,000 from Seattle City Light. By 11:30 p.m. those numbers had dropped to around 1,200 for PSE and about 80 customers for City Light.

In the Bridle Trails area, a massive tree fell on the edge of John Batts' front yard. It wasn't that tree that cut power to his home Monday morning. It was another one up the road that fell hours later. Both trees landed across the road, which caused drivers to take turns as they bravely passed by or underneath. Batts told KOMO News he's typically one of the last people to get power restored when his lights go out. The longest he's ever gone without power was seven or eight days.

"I hope it's not gonna be that long," Batts said with a chuckle.

Right now, there's no estimate yet on when all of Puget Sound Energy's affected customers will have their lights back on. Crews should have a better handle on the situation sometime Tuesday afternoon, a spokeswoman told KOMO News on Monday night.

Up in the mountains, heavy snow across the passes has created unstable conditions, and WSDOT closed I-90 between North Bend and Ellensburg for several hours due to high avalanche danger.

Nearly 20" of snow had fallen in the pass overnight on top of 34" that had fallen in the previous couple of days.

The roadway reopened just before 2 p.m.

In the lowlands, some roads were so slick, drivers had to abandon their cars, especially along the higher Eastside foothills. In Redmond, police say seven Metro buses became stuck on a hill across seven blocks of 152nd Avenue Northeast, blocking intersections.

And near Sammamish, NE Tolt Hill Road between 280th Place NE and State Route 202 was closed due to a slide and downed trees.



Power still out for thousands after snow storm

(UPDATED: 2/7 12:00 p.m.)

A February winter storm is leaving its mark across Western Washington, knocking out power to tens of thousands of customers due to downed tree branches and power lines.

According to Puget Sound Energy's outage map, more than 20,000 customers are still without electricity early Tuesday morning.

PSE crews say they've already restored power to over 200,000 customers. PSE says access in many areas is difficult. Icy conditions Tuesday morning make the repairs even more challenging.

In Seattle, Seattle City Light reports around 6 outages, affecting about 12 customers. [Seattle City Light Outage Map](#)

Pierce County Public Works Crews started at 4 a.m. Monday morning to respond to the snow storm.

"This is busy," said Tyler Bemis, maintenance supervisor. "We have 28 trucks out in all of our response zones, with the snow having rolled in like it did. It hit heavier than forecasted in some areas."

Pierce County Public Works Crews say the heavy snow has forced a handful of trees to snap and powerlines to fall.

"The last time we experienced anything like this was in 2012 when we had the ice storm," said Bemis.

Crews responded to seven downed trees throughout the county. They plan to stay full staffed until Tuesday and say the recent snow event is a reminder to the community.

"Obviously stay home if at all possible," Bemis said. "Give yourself time, give yourself space from plow trucks."

East Pierce Fire also warned residents to stay away from downed power lines. The fire department dealt with several power lines on South Prairie Carbon River Road in Orting that caused a fire after the road pavement heated up enough.