

2019 Qualifying Events Report

February 4, 2019 Event

Filed on May 3, 2019



Table of Contents

Table of Contents	2
Event Description	3
Event Date and Time.....	3
Event Type	3
Summary of System Impacts	3
Mobilization Summary	3
Active Outage Events	4
Major Event Day – Qualification	5
Qualified Events - 2019 Current Event – Calculation Detail	5
Daily SAIDI Detail YTD	5
Event Restoration – YTD Cost Summary	6
2019 Restoration Costs Detail by Qualifying Event.....	6
2019 YTD Storm Restoration Costs Detail	6
Detail Documents	7
Terms, Codes and Definitions Used on Detail Reports.....	14
Media & Communication Coverage	15

Event Description

Event Date and Time

Start: 2/4/2019, 04:00

End: 2/5/2019, 20:00

Event Type

Wind followed by snow in areas and cold temperatures

Service Areas Significantly Affected

Whatcom, Skagit and Island Counties

Number of Customers Affected

System wide, approximately 39,653 customers were without power during the course of this event.

Summary of System Impacts

Total Number of Outages for Event	211
Transmission Lines Affected	N/A
Impacted Substations	4

Mobilization Summary

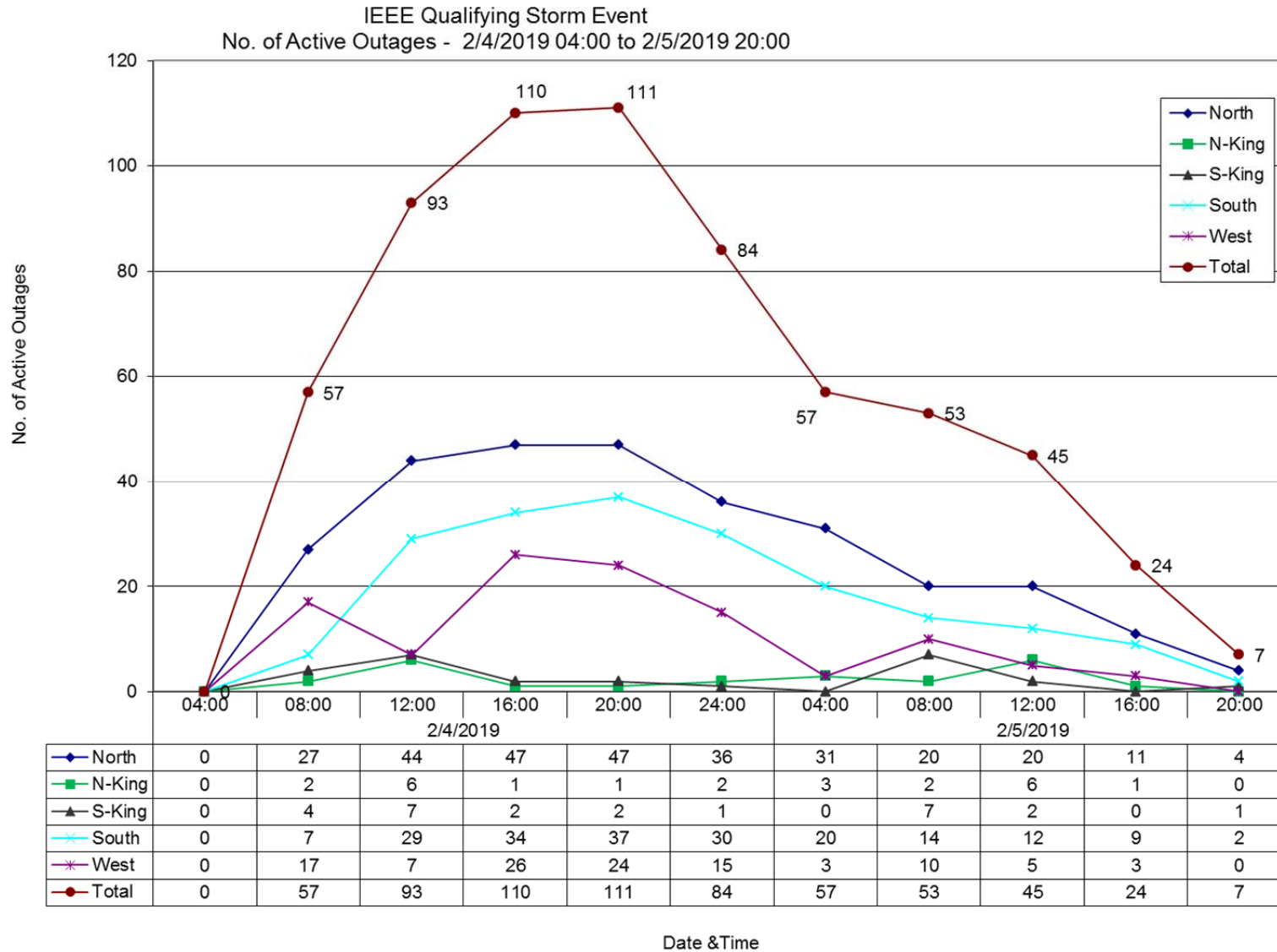
Operating Bases Placed In Emergency Status

Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom	2/4/2019	11:00	2/5/2019	13:00
Skagit	2/4/2019	11:00	2/5/2019	13:00
Island	2/4/2019	11:00	2/5/2019	13:00
North King	N/A			
South King	N/A			
Pierce	N/A			
Thurston	N/A			
Kitsap	N/A			
Vashon Island	N/A			
Kittitas	N/A			

Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	N/A			

Active Outage Events



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 2019: 6.91 Minutes

Qualified Events - 2019 Current Event – Calculation Detail

Event Date, Time Range	Total Outages	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
2/4/2019, 04:00 – 2/5/2019, 20:00	211	8,081,475	1,157,185	6.98

Daily SAIDI Detail YTD

First Day that Daily SAIDI Exceeded PSE's 2019 TMED of 6.91 Minutes by Qualifying Event

Date	Daily SAIDI (from midnight to midnight)	Total O&M ³ Costs
1/6/2019	237.09	\$16,941,892 (r)
2/4/2019	7.56	\$445,720

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
2019 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
1/6/2019	\$5,764,748 (r)	\$1,177,144 (r)	\$0	\$10,000,000	\$15,764,748 (r)	\$16,941,892 (r)
2/4/2019	\$0	\$53,569	\$445,720	\$0	\$445,720	\$499,288

2019 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
\$5,764,748.29	\$1,230,712.28	\$445,720.00	\$10,000,000.00	\$16,210,468.29	\$17,441,180.57

(r) Revised since last report

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, 2019- Qualifying Event Restoration Costs						
	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor						
ST	\$0	\$0	\$0	\$6,686	\$6,686	\$6,686
OT	\$0	\$44	\$0	\$84,043	\$84,043	\$84,087
Total Labor	\$0	\$44	\$0	\$90,730	\$90,730	\$90,773
Labor OH	\$0	\$1,079	\$0	\$0	\$0	\$1,079
Materials	\$0	\$50,217	\$0	\$14,008	\$14,008	\$64,225
Contractors	\$0	\$1,762	\$0	\$294,818	\$294,818	\$296,580
Other Direct Charges	\$0	\$412	\$0	\$276	\$276	\$688
Fleet	\$0	\$0	\$0	\$0	\$0	\$0
Other Assessments	\$0	\$55	\$0	\$45,889	\$45,889	\$45,944
Deferred Expenses	\$0	\$0	\$445,720	-\$445,720	\$0	\$0
	\$0	\$53,569	\$445,720	\$0	\$445,720	\$499,288

Detailed List of Outages First TMED-Exceeding Day

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00511620-1	2/4/2019	12:08:25 AM	WLK-13	ECA	TV	OCO	731	192,501
P00511634-1	2/4/2019	12:18:47 AM	KIN-21	ECE	TV	OCO	45	5,165
P00511637-1	2/4/2019	12:27:09 AM	MIL-22	ECE	TV	OCO	44	7,537
P00511962-1	2/4/2019	12:47:32 AM	HAN-16	EAA	TV	OCO	11	8,770
P00511662-1	2/4/2019	1:18:09 AM	DUV-16	EBD	TV	OSV	1	125
P00511663-1	2/4/2019	1:20:20 AM	PGA-13	ECE	TV	OCO	3	689
P00511664-1	2/4/2019	1:20:27 AM	LAB-26	EAA	TV	OCO	43	12,273
P00511666-1	2/4/2019	1:37:25 AM	LAB-25	EAA	TV	OCO	383	43,560
P00511670-1	2/4/2019	1:53:03 AM	SLA-17	EAA	TV	SCB	1,843	117,983
P00511668-1	2/4/2019	1:54:06 AM	LAB-26	EAA	TV	OCO	-	163,272
P00511757-1	2/4/2019	1:55:46 AM	HAN-16	EAA	TV	OCO	35	52,014
P00511674-1	2/4/2019	1:56:45 AM	TOL-17	EBD	TV	OCO	23	7,955
P00511679-1	2/4/2019	2:12:16 AM	SCH-13	EAA	UN	OTF	2	1,716
P00511683-1	2/4/2019	2:12:28 AM	BRS-24	EAC	TV	OCO	421	176,834
P00511688-1	2/4/2019	2:23:25 AM	LAB-26	EAA	TV	OCO	21	32,897
P00511689-1	2/4/2019	2:24:00 AM	WOL-23	ECC	TV	OCO	105	16,170
P00511692-1	2/4/2019	2:27:59 AM	LOL-21	ECD	TV	OCO	15	3,774
P00511693-1	2/4/2019	2:30:05 AM	BUC-16	ECA	TV	OCO	60	12,164
P00511694-1	2/4/2019	2:32:16 AM	LAB-26	EAA	TV	OCO	59	27,059
P00511700-1	2/4/2019	2:33:11 AM	EAR-17	EBJ			189	1,978
P00511699-1	2/4/2019	2:36:16 AM	HAN-16	EAA	EF	OCO	34	44,316
P00511703-1	2/4/2019	2:42:52 AM	EAR-17	EBJ	TV		359	97,967
P00511708-1	2/4/2019	2:47:23 AM	VAS-13	EBL	TV	OCO	233	129,482
P00511719-1	2/4/2019	2:52:51 AM	MAN-16	ECD	TV	OCO	16	2,765
P00511720-1	2/4/2019	2:53:05 AM	LAB-27	EAA	TV	OCO	55	49,240
P00511722-1	2/4/2019	2:54:16 AM	RHO-16	ECA	TV	OCO	5	787
P00511687-1	2/4/2019	2:58:32 AM	GLC-11	EBJ	TV	OCO	1	362
P00511730-1	2/4/2019	3:17:46 AM	FAL-16	EBF	UN	OFU	39	4,313
P00511732-1	2/4/2019	3:25:13 AM	HAN-13	EAA	TV	OCO	38	28,091
P00511733-1	2/4/2019	3:25:46 AM	SKE-23	ECE	TV	OCO	21	13,709
P00511734-1	2/4/2019	3:28:16 AM	HAN-16	EAA	TV	OCO	5	1,902
P00511736-1	2/4/2019	3:30:31 AM	LAU-12	EAA	OD	UTC	19	20,678
P00511739-1	2/4/2019	3:43:16 AM	CUM-15	EBI	TV	OCO	5	959
P00512229-1	2/4/2019	3:43:20 AM	LAB-27	EAA	TV	OCO	56	40,760
P00511794-1	2/4/2019	4:02:18 AM	LAU-12	EAA	TV	OCO	4	3,664
P00511747-1	2/4/2019	4:05:33 AM	LAU-12	EAA	OD	OFU	2	1,910
P00511926-1	2/4/2019	4:10:00 AM	TLN-0002	EAA	TV	OCO	11,297	2,169,670
P00511817-1	2/4/2019	4:14:11 AM	GLA-12	EAA	TV	OCO	1,023	232,659
P00511839-1	2/4/2019	4:16:37 AM	BAK-25	EAA	TV	OCO	34	41,130
P00511875-1	2/4/2019	4:18:22 AM	HAN-13	EAA	EF	OTR	5	5,929
P00511886-1	2/4/2019	4:19:06 AM	BHL-12	ECE	TV	OCO	48	9,075

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00511899-1	2/4/2019	4:20:48 AM	PMA-12	ECE	TV	OCO	68	67,012
P00511929-1	2/4/2019	4:33:05 AM	LYN-24	EAA	TV	OSV	1	738
P00511930-1	2/4/2019	4:40:23 AM	SWD-12	ECE	TV	OCO	71	49,382
P00511955-1	2/4/2019	4:50:11 AM	SKE-26	ECE	UN	OCO	94	28,064
P00511994-1	2/4/2019	5:00:26 AM	CEK-14	ECE	TV	OCO	24	8,560
P00512533-1	2/4/2019	5:02:37 AM	LAB-26	EAA	TV	OCO	568	248,068
P00512013-1	2/4/2019	5:18:17 AM	MUR-13	ECE	TV	OCN	1	817
P00512015-1	2/4/2019	5:20:21 AM	LAU-13	EAA	EF	OCO	2	1,921
P00512024-1	2/4/2019	5:39:44 AM	BRW-13	EAC	TV	OCO	1,919	284,780
P00512026-1	2/4/2019	5:43:47 AM	SCH-13	EAA	EF	OFU	38	24,520
P00512029-1	2/4/2019	5:47:58 AM	HAN-13	EAA	EF	OJU	2	1,069
P00512033-1	2/4/2019	5:55:32 AM	UHL-23	EBD	TV	OFU	14	3,206
P00512038-1	2/4/2019	6:07:32 AM	FLD-15	EAD	EF	UTC	4	7,584
P00512050-1	2/4/2019	6:08:55 AM	LUH-17	ECC	TV	OFU	29	3,826
P00512046-1	2/4/2019	6:17:40 AM	LYN-14	EAA	TV	OSV	2	1,368
P00511745-2	2/4/2019	6:19:21 AM	EAR-17	EBJ	CP	OPO	19	10,616
P00512049-1	2/4/2019	6:20:54 AM	SCH-15	EAA	TV	OSV	1	1,133
P00512055-1	2/4/2019	6:30:38 AM	MIL-17	ECE	TV	OJU	17	4,551
P00512514-1	2/4/2019	6:31:22 AM	PMA-15	ECE	TV	OCO	31	21,151
P00512057-1	2/4/2019	6:31:55 AM	HAN-16	EAA	EF	OAR	1	1,487
P00512059-1	2/4/2019	6:33:18 AM	KAP-15	ECA	OD	OFU	1	135
P00512064-1	2/4/2019	6:37:20 AM	MAN-13	ECD	TV	OCO	1,879	107,997
P00512063-1	2/4/2019	6:37:55 AM	BRE-24	ECD	TV	OSV	6	4,441
P00512071-1	2/4/2019	6:40:35 AM	PMA-16	ECE	TV	OCO	65	38,562
P00512070-1	2/4/2019	6:42:29 AM	PMA-12	ECE	TV	OCO	15	13,173
P00512075-1	2/4/2019	6:44:54 AM	BRS-24	EAC	TV	OFU	6	1,427
P00512086-1	2/4/2019	6:55:57 AM	HOB-15	EBI	OD	OCO	1,113	162,924
P00512084-1	2/4/2019	6:56:06 AM	LON-23	ECC	UN	OTF	4	151
P00512133-1	2/4/2019	6:56:41 AM	KIN-21	ECE	EF	OCO	14	17,592
P00512087-1	2/4/2019	6:58:07 AM	LUH-14	ECC	EF	OFC	43	14,647
P00512096-1	2/4/2019	7:05:18 AM	KEN-12	EAA	TV	OFU	-	208
P00512099-1	2/4/2019	7:08:50 AM	EAR-17	EBJ	TV	OCO	62	2,225
P00512110-1	2/4/2019	7:10:05 AM	PMA-16	ECE	TV	OPO	361	174,343
P00512052-1	2/4/2019	7:16:54 AM	KEN-12	EAA	TV	OSV	5	8,011
P00512121-1	2/4/2019	7:18:19 AM	LGY-12	EAD	TV	OCO	48	53,830
P00512139-1	2/4/2019	7:24:37 AM	FLD-15	EAD	TV	OCO	38	56,699
P00512144-1	2/4/2019	7:28:49 AM	KEN-12	EAA	TV	OCO	153	10,159
P00512143-1	2/4/2019	7:28:50 AM	KIN-25	ECE	TV	OCO	47	42,816
P00512153-1	2/4/2019	7:35:47 AM	LYN-24	EAA	TV	OSV	1	589
P00512156-1	2/4/2019	7:40:03 AM	SEQ-22	EBJ	TV	OCO	273	144,467
P00512161-1	2/4/2019	7:42:47 AM	MIR-13	EBF	TV	OFU	17	2,380
P00512164-1	2/4/2019	7:44:10 AM	VIS-23	EAA	TV	OCO	30	12,220

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00512165-1	2/4/2019	7:44:26 AM	LAB-23	EAA	EF	OTR	3	4,289
P00512167-1	2/4/2019	7:46:25 AM	SWD-14	ECE	TV	OCO	2	155
P00512169-1	2/4/2019	7:47:13 AM	HAN-16	EAA	TV	OCO	6	5,336
P00512173-1	2/4/2019	7:50:32 AM	SHD-16	EBI	TV	OCO	1,263	146,360
P00512238-1	2/4/2019	7:56:03 AM	KIN-25	ECE	TV	OCO	8	9,209
P00512182-1	2/4/2019	7:57:02 AM	HAN-12	EAA	UN	OFU	4	2,881
P00512186-1	2/4/2019	7:59:58 AM	KIN-22	ECE	TV	OCO	40	52,278
P00512195-1	2/4/2019	8:05:51 AM	ENU-18	EBI	FI	OSV	1	373
P00512196-1	2/4/2019	8:07:09 AM	GLA-12	EAA	TV	SCB	1,081	73,616
P00512208-1	2/4/2019	8:13:25 AM	DUV-15	EBD	TV	OCO	119	48,838
P00512209-1	2/4/2019	8:13:46 AM	BLU-17	ECC	TV	OFU	3	227
P00512210-1	2/4/2019	8:14:24 AM	SEQ-17	EBJ	TV	OTF	1	109
P00512215-1	2/4/2019	8:17:56 AM	ENU-17	EBI	UN	OFU	1	385
P00512217-1	2/4/2019	8:18:19 AM	SEH-11	EAA	OD	OSV	1	953
P00512220-1	2/4/2019	8:21:09 AM	WAB-12	EBI	UN	OPO	2	1,224
P00512223-1	2/4/2019	8:21:40 AM	LMC-23	EBE	TV	UOT	53	5,731
P00512233-1	2/4/2019	8:25:30 AM	HAN-13	EAA	EF	OAR	6	5,192
P00512237-1	2/4/2019	8:26:47 AM	SCH-13	EAA	TV	OCO	8	8,865
P00512240-1	2/4/2019	8:30:56 AM	BLA-13	EAA	CE	OSV	1	446
P00512249-1	2/4/2019	8:32:20 AM	KIN-23	ECE	TV	OCO	6	7,535
P00512250-1	2/4/2019	8:33:50 AM	MAN-13	ECD	TV	OCO	42	4,179
P00512283-1	2/4/2019	8:35:42 AM	MED-37	EBE	EF	OCO	4	1,409
P00512252-1	2/4/2019	8:38:32 AM	CLE-14	EBH	BA	OTF	5	1,342
P00512253-1	2/4/2019	8:39:12 AM	KEN-12	EAA	EF	OFU	168	7,586
P00512254-1	2/4/2019	8:39:31 AM	MAN-13	ECD	TV	OCO	1	129
P00509597-1	2/4/2019	8:41:55 AM	BLU-16	ECC	SO	OPO	5	1,096
P00512268-1	2/4/2019	8:44:36 AM	MAX-13	EAD	TV	OCO	-	33,088
P00512193-2	2/4/2019	8:44:49 AM	LAB-26	EAA	TV	OTR	1	1,556
P00512262-1	2/4/2019	8:46:00 AM	TLN-0157	EBI	OD	OCO	-	300,489
P00512276-1	2/4/2019	8:51:09 AM	PMA-12	ECE	TV	OCO	14	18,415
P00512340-1	2/4/2019	8:54:13 AM	MCW-14	ECE	TV	OCO	21	3,161
P00512278-1	2/4/2019	8:54:16 AM	SAH-17	EBD	TV	OCO	5	584
P00512281-1	2/4/2019	8:54:30 AM	HAN-13	EAA	UN	OJU	3	4,422
P00512298-1	2/4/2019	8:56:53 AM	BLS-25	EAA	EF	OHS	158	39,946
P00512327-1	2/4/2019	9:05:59 AM	PGA-13	ECE	TV	OCO	171	70,826
P00512306-1	2/4/2019	9:08:06 AM	PRE-12	EBE	EF	OCO	10	2,764
P00512322-1	2/4/2019	9:19:29 AM	SKE-22	ECE	TV	OTF	3	699
P00512325-1	2/4/2019	9:21:15 AM	FLD-13	EAD	TV	OSV	1	1,497
P00512334-1	2/4/2019	9:26:31 AM	BHS-11	EAA	EF	OTR	1	432
P00512122-1	2/4/2019	9:33:38 AM	KIN-24	ECE	TV	OCO	708	8,230
P00512364-1	2/4/2019	9:41:32 AM	KIN-22	ECE	UN	OCO	961	82,934
P00511683-1	2/4/2019	9:54:49 AM	BRS-24	EAC	TV	OCO	464	561,232

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00512381-1	2/4/2019	9:58:09 AM	BLU-16	ECC	SO	OFU	1	1,827
P00512390-1	2/4/2019	10:05:19 AM	WOL-26	ECC	EF	UPC	46	7,536
P00512393-1	2/4/2019	10:09:08 AM	VAS-22	EBL	TV	OCO	2	1,029
P00512398-1	2/4/2019	10:12:48 AM	SWD-12	ECE	TV	OCO	2	2,124
P00511195-1	2/4/2019	10:16:38 AM	STW-16	ECA	SO	OFU	18	7,526
P00512403-1	2/4/2019	10:17:59 AM	KIN-21	ECE	TV	OTR	2	2,980
P00512406-1	2/4/2019	10:18:25 AM	LYN-26	EAA	EF	OJU	1	208
P00512415-1	2/4/2019	10:22:17 AM	CEK-14	ECE	TV	OSV	1	250
P00512016-2	2/4/2019	10:40:39 AM	MWD-13	EBE	TV	OCO	1,021	136,424
P00512425-1	2/4/2019	10:40:43 AM	OSC-22	EBI	SO	OTR	3	304
P00512664-1	2/4/2019	10:47:09 AM	SKE-26	ECE	TV	OPO	4	3,125
P00512435-1	2/4/2019	10:51:28 AM	LAU-12	EAA	EF	OJU	2	1,458
P00512439-1	2/4/2019	10:53:19 AM	CUS-15	EAA	EF	OSW	403	20,714
P00512450-1	2/4/2019	11:04:14 AM	MIL-23	ECE	TV	OCO	670	332,018
P00512452-1	2/4/2019	11:05:07 AM	BLU-17	ECC	TV	OSV	1	198
P00512467-1	2/4/2019	11:11:50 AM	VAS-12	EBL	TV	OCO	112	12,501
P00512690-1	2/4/2019	11:12:39 AM	SKE-26	ECE	TV	OCO	12	5,465
P00512480-1	2/4/2019	11:12:55 AM	SKE-22	ECE	TV	OCO	674	55,246
P00512310-1	2/4/2019	11:18:53 AM	FRG-25	ECC	SO	UTC	3	221
P00512184-2	2/4/2019	11:28:24 AM	SIL-15	ECE	TV	OCR	2,146	201,009
P00512510-1	2/4/2019	11:34:22 AM	VIS-25	EAA	UN	OFU	16	7,547
P00512523-1	2/4/2019	11:47:14 AM	VIS-22	EAA	UN	OSV	6	3,105
P00512528-1	2/4/2019	11:48:38 AM	MTV-15	EAC	EF	USV	1	196
P00512536-1	2/4/2019	11:53:59 AM	KIN-23	ECE	TV	OCO	47	23,036
P00512458-1	2/4/2019	12:03:44 PM	KAP-15	ECA	TV	OCO	21	4,315
P00512558-1	2/4/2019	12:14:21 PM	SKE-23	ECE	TV	OCO	2	2,637
P00512564-1	2/4/2019	12:22:42 PM	VAS-23	EBL	TV	OCO	481	42,632
P00512561-1	2/4/2019	12:23:16 PM	DUV-15	EBD	TV	OFU	56	6,038
P00512567-1	2/4/2019	12:25:12 PM	LAB-26	EAA	UN	SCB	296	85,480
P00512578-1	2/4/2019	12:32:23 PM	HAN-13	EAA	TV	OSV	1	369
P00512464-1	2/4/2019	12:32:29 PM	DUV-15	EBD	TV	OCO	173	7,531
P00512585-1	2/4/2019	12:40:48 PM	BRI-14	EAA	EF	OFU	26	15,828
P00512589-1	2/4/2019	12:42:56 PM	MAN-15	ECD	EF	OTF	5	1,769
P00512595-1	2/4/2019	12:54:40 PM	HAN-12	EAA	EF	OTR	2	2,581
P00512630-1	2/4/2019	1:33:41 PM	LAU-11	EAA	OD	OJU	2	1,279
P00512634-1	2/4/2019	1:40:56 PM	OSC-25	EBI	TV	OCO	15	1,874
P00512647-1	2/4/2019	1:46:14 PM	PMA-15	ECE	TV	OCO	447	178,587
P00512653-1	2/4/2019	1:58:12 PM	HAN-15	EAA	TV	OSV	1	1,223
P00512654-1	2/4/2019	1:58:41 PM	WLK-13	ECA	OD	OFU	74	6,452
P00512668-1	2/4/2019	2:14:41 PM	BHS-13	EAA	UN	OCO	286	109,420
P00512681-1	2/4/2019	2:26:58 PM	GWR-13	EBI	TV	OCO	-	18,296
P00511580-1	2/4/2019	2:32:05 PM	SCH-13	EAA	TV	OCO	4	1,815

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00512684-1	2/4/2019	2:32:14 PM	VIS-23	EAA	EF	OCO	33	5,462
P00512636-1	2/4/2019	2:45:39 PM	MSI-24	EBF	TV	OCO	4	1,034
P00512701-1	2/4/2019	3:04:36 PM	SKE-26	ECE	TV	OCO	20	14,037
P00512721-1	2/4/2019	3:43:37 PM	HAN-13	EAA	TV	OIN	14	2,062
P00512695-1	2/4/2019	4:10:22 PM	LWS-13	EBJ	UN	OTR	1	434
P00512719-1	2/4/2019	4:24:38 PM	LYN-14	EAA	EF	OJU	7	194
P00512748-1	2/4/2019	4:39:46 PM	PMA-12	ECE	EF	OCO	90	43,641
P00512218-1	2/4/2019	5:13:24 PM	CRE-15	EAD	EF	OCO	103	20,596
P00512765-1	2/4/2019	5:26:48 PM	KIN-25	ECE	TV	OSV	1	1,016
P00511492-1	2/4/2019	6:08:09 PM	BAK-25	EAA	TV	OCO	7	3,119
P00512776-1	2/4/2019	6:11:19 PM	HOB-15	EBI	TV	OSV	1	106
P00512781-1	2/4/2019	6:19:36 PM	TIL-25	ECA	EF	OJU	4	1,085
P00512791-1	2/4/2019	6:44:59 PM	HAN-16	EAA	EF	OTF	2	774
P00512795-1	2/4/2019	6:48:04 PM	LLT-17	EBD	TV	OCO	9	1,767
P00512802-1	2/4/2019	7:21:38 PM	HAN-13	EAA	EF	OTF	1	210
P00512803-1	2/4/2019	7:24:07 PM	CUM-13	EBI	TV	OTR	3	1,339
P00512805-1	2/4/2019	7:26:43 PM	KIN-22	ECE	TV	OSV	1	756
P00512251-2	2/4/2019	7:40:29 PM	SPA-16	ECA	CP	OPO	961	120,579
P00512807-1	2/4/2019	7:42:11 PM	MIL-17	ECE	TV	OSV	2	2,181
P00512809-1	2/4/2019	7:49:47 PM	PRI-23	ECC	EF	OTF	3	550
P00512811-1	2/4/2019	7:59:29 PM	PRI-23	ECC	EF	UGF	16	2,780
P00512816-1	2/4/2019	8:22:20 PM	HAN-16	EAA	EF	OTF	1	296
P00512819-1	2/4/2019	8:45:46 PM	KLA-17	EBD	TV	OCO	6	2,097
P00512861-1	2/4/2019	9:08:32 PM	KIN-24	ECE	TV	OCO	708	55,897
P00512762-1	2/4/2019	9:18:49 PM	POU-16	ECE	TV	OCO	3	60
P00512814-1	2/4/2019	9:24:35 PM	CPV-13	EAD	CP	OPO	2	1,084
P00512870-1	2/4/2019	9:26:35 PM	HOB-15	EBI	TV	OCO	14	840
P00512815-1	2/4/2019	9:44:57 PM	SNQ-16	EBF	CP	OPO	619	202,716
P00512888-1	2/4/2019	10:29:05 PM	SLA-17	EAA	EF	OCN	1	696
P00512695-2	2/4/2019	10:44:34 PM	LWS-13	EBJ	EF	OTR	1	39
P00512814-2	2/4/2019	10:57:08 PM	CPV-13	EAD	CP	OPO	10	4,490

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

Snow blankets the Puget Sound region

POSTED 6:01 AM, FEBRUARY 4, 2019, BY Q13 NEWS STAFF, UPDATED AT 05:12PM, FEBRUARY 4, 2019

SEATTLE

Several inches of snow fell overnight in some parts of the Puget Sound Region, bringing "mayhem" to many roads and prompting road and school closures across the metro.

A Winter Storm Warning for the East Puget Sound Lowlands and Everett area and the Winter Weather Advisory for Seattle-Tacoma metro have been extended until 1 p.m. Monday.

Many schools, government offices and businesses are closed. [Click here for school closures.](#) [Click here to see the latest traffic conditions.](#)

Power outages were reported by Seattle City Light and Puget Sound Energy. About 15,000 were without power as of 3:30 p.m. Monday. [Click here](#) and [here](#) for the latest outage numbers.

Q13 Meteorologist MJ McDermott says the snow that fell overnight is frozen on the ground, and it continues to snow in the Central Sound with snow showers almost everywhere this morning. This afternoon we will dry up from the north to the south and see some sun before the sun goes down.

Winds are whipping, with gusts in the 50+ mph range in Whatcom County. It's cold this morning, with temps in the 20s for most, but it FEELS LIKE single digits or teens due to wind chill factor. Bellingham's wind chill factor was -6 degrees at 6 a.m.

This afternoon's highs will be around freezing, so not much melting happens. Roads will be icy and dangerous ALL DAY.

Tonight will be getting clear and very cold, with lows in the teens and 20s, but it'll feel colder with the wind chill factor.

Snow Reports

Totals as of 5:30 am February 4, 2019

A background image showing a snowy road with a white truck driving through the snow. The scene is overcast and foggy.

North Bend	10"
Snoqualmie Ridge	8"
Marysville 2 ENE	8"
Arlington	7"
Everett	7"
Lake Stevens	7"
Woodinville	6.5"
Lynnwood	6"
Edmonds	5.5"
Duvall	5"
SeaTac	3"