

2021 Qualifying Events Report

January 12, 2021 Event

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Event Description

Event Date and Time

Start: 1/12/2021, 23:00

End: 1/17/2021, 20:30

Event Type

Wind, rain, snow, and atmospheric river

Service Areas Significantly Affected

All service areas: King, Pierce, Kitsap, Kittitas, Thurston, Skagit, Whatcom, and Island Counties

Number of Customers Affected

System wide, approximately 418,239 customers were without power during the course of this event.

Summary of System Impacts

Total Number of Outages for the Event	1,871
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Transmission Lines Affected	72
Impacted Substations	33

Mobilization Summary

Operating Bases Placed In Emergency Status

Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom	1/13/21	01:00	1/17/21	16:00
Skagit	1/13/21	01:00	1/17/21	16:00
Island	1/13/21	01:00	1/17/21	16:00
North King	1/12/21	23:30	1/17/21	10:00
South King	1/12/21	23:30	1/16/21	01:00
Pierce	1/12/21	23:30	1/16/21	16:00
Thurston	1/12/21	23:30	1/16/21	21:00
Kitsap	1/12/21	23:30	1/15/21	07:00
Vashon	1/12/21	23:30	1/15/21	07:00
Kittitas	1/13/21	05:00	1/14/21	16:30

Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	1/13/21	04:00	1/16/21	20:00

Major Event – Qualification Summary

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 2021: 6.38 Minutes

Qualified Event - Calculation Detail - Current Event

Event Date, Time Range	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
1/12/2021 23:00 – 1/17/2021 17:00	400,785,408	1,185,037	338.20

YTD Qualified Events - First Day the Daily SAIDI Exceeded PSE's 2021 TMED of 6.38 Minutes

Date	Daily SAIDI (from midnight to midnight)	Total O&M Costs
1/12/2021	54.72	\$20,407,707

¹ IEEE: Institute of Electrical and Electronics Engineers

² SAIDI: System Average Interruption Duration Index

Event Restoration – YTD Cost Summary

Starting from the 2018 calendar year, PSE continues its existing Qualifying Storm Loss Deferral Mechanism for any storm restoration costs incurred on or after January 1, 2018, with the following modifications that were agreed to in settlement and the settlement was approved by the Commission in PSE's 2017 general rate case :

- (i) the cumulative annual cost threshold for deferral of storms under the Qualifying Storm Loss Deferral Mechanism shall be increased from \$8 million to \$10 million,
- (ii) qualifying events that cost less than \$500,000 will not qualify for deferral, and
- (iii) the cumulative annual cost threshold for the Qualifying Storm Loss Deferral Mechanism shall exclude storm events with costs less than \$500,000.

(Page 22 of Appendix B to Order 08 in consolidated Dockets UE-170033 and UG-170034)

2021 Restoration Costs Detail - By Storm 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
(A)	(B)	(C)	(D)	(E)	(F) = (B)+(D)+(E)	(G)= (F) + (C)
1/12/2021	\$10,407,708	\$3,484,487	\$0	\$10,000,000	\$20,407,707	\$23,892,194

2021 YTD Storm Restoration Cost Summary

Qualifying Events Deferred Account	Capital Costs	O&M Costs - Not Deferrable	O&M Costs - Deferrable Accumulation	Total O&M Costs	Total Costs
\$10,407,708	\$3,484,487	\$0	\$10,000,000	\$20,407,707	\$23,892,194

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						
January 12, 2021- Qualifying Storm Damage Repair Costs						
	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor						
ST	\$ -	\$ 523	\$ -	\$ 280,544	\$ 280,544	\$ 281,067
OT	\$ -	\$ 4,120	\$ -	\$ 2,095,273	\$ 2,095,273	\$ 2,099,393
Total Labor	\$ -	\$ 4,643	\$ -	\$ 2,375,817	\$ 2,375,817	\$ 2,380,460
Labor OH	\$ -	\$ 715,368	\$ -	\$ 821	\$ 821	\$ 716,189
Materials	\$ -	\$ 497,212	\$ -	\$ 642,199	\$ 642,199	\$ 1,139,411
Contractors	\$ -	\$ 2,249,712	\$ -	\$ 15,877,121	\$ 15,877,121	\$ 18,126,833
Other Direct Charges	\$ -	\$ 2,089	\$ -	\$ 268,237	\$ 268,237	\$ 270,326
Fleet	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Assessments	\$ -	\$ 15,463	\$ -	\$ 1,243,512	\$ 1,243,512	\$ 1,258,975
Deferred Expenses	\$ 10,000,000	\$ -	\$ -	\$ -		\$ -
	\$ 10,000,000	\$ 3,484,487	\$ -	\$ 20,407,707	\$ 20,407,707	\$ 23,892,194

ST: Standard time

OT: Over time

OH: Overhead

Detailed List of Outages – 10/13/2020, First TMED-Exceeding Day

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00673847-2	1/12/2021	1:25:44 AM	KAP-15	ECA	AC	OPO	2	361
P00673861-1	1/12/2021	1:49:39 AM	GRI-15	ECC	AC	USV	1	377
P00673866-1	1/12/2021	2:17:07 AM	ORT-23	ECA	TV	OCO	8	5,843
P00673867-1	1/12/2021	2:57:54 AM	SPG-13	ECC	EF	OPO	9	6,787
P00673868-1	1/12/2021	3:15:49 AM	BLU-16	ECC	TV	OTF	1	83
P00673873-1	1/12/2021	4:04:04 AM	MCA-13	ECC	TV	OCO	118	47,365
P00673871-1	1/12/2021	4:05:51 AM	PLA-23	EBD	TV	OCO	51	20,557
P00673878-1	1/12/2021	5:08:45 AM	SST-14	EAA	EF	OTF	5	279
P00673880-1	1/12/2021	5:36:16 AM	PLA-23	EBD	TV	OPO	1	301
P00673888-1	1/12/2021	7:02:06 AM	BRW-15	EAC	TV	OFU	22	2,394
P00672610-1	1/12/2021	8:14:57 AM	GRI-13	ECC	SO	ACE	8	3,123
P00673896-1	1/12/2021	8:18:30 AM	ORT-22	ECA	TV	OCO	1	91
P00673902-1	1/12/2021	8:49:41 AM	VAS-12	EBL	TV	OFU	37	4,791
P00673908-1	1/12/2021	9:17:15 AM	LWS-14	EBJ	EF	OTF	2	160
P00673911-1	1/12/2021	9:25:41 AM	EVE-23	EBD	EF	UHH	2	159
P00673913-1	1/12/2021	9:33:17 AM	MHT-13	EBJ	TV	OCO	11	7,805
P00673922-1	1/12/2021	10:15:34 AM	RAI-14	ECC	EF	PTF	4	347
P00672329-1	1/12/2021	10:31:28 AM	KNM-25	EBD	SO	OPO	5	783
P00673927-1	1/12/2021	10:40:51 AM	PEA-15	EBJ	TV	OCO	15	1,078
P00673911-1	1/12/2021	10:45:40 AM	EVE-23	EBD	EF	UHH	2	769
P00673918-1	1/12/2021	10:47:07 AM	KIN-21	ECE	TV	OCO	7	1,810
P00673937-1	1/12/2021	11:33:43 AM	SME-12	EBE	TV	OCO	213	238,759
P00673941-1	1/12/2021	11:35:58 AM	MAP-15	EBE	TV	OSV	1	88
P00673947-1	1/12/2021	12:05:36 PM	PAN-14	EBJ	EF	UPC	129	21,662
P00673970-1	1/12/2021	1:45:04 PM	LYO-15	EBJ	TV	OCO	484	83,200
P00673985-1	1/12/2021	1:51:00 PM	THO-04	EBH	UN	OCO	164	10,608
P00673986-1	1/12/2021	1:57:45 PM	KIN-25	ECE	TV	OSV	1	90
P00673989-1	1/12/2021	2:02:39 PM	MHT-13	EBJ	TV	OSV	1	148
P00673995-1	1/12/2021	2:34:33 PM	GRI-16	ECC	TV	OCO	63	5,835
P00673999-1	1/12/2021	3:18:53 PM	SBE-26	EBE	ND	UOT	1	289
P00674122-1	1/12/2021	3:33:00 PM	TLN-0173	EBJ	TV	OCO	5,666	679,920

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00674083-1	1/12/2021	3:37:44 PM	GLC-15	EBJ	TV	OCO	-	15,037
P00674128-1	1/12/2021	4:06:16 PM	ROC-15	ECC	EF	OCN	1	171
P00673961-2	1/12/2021	4:24:55 PM	BLS-23	EAA	AC	UPT	16	426
P00674136-1	1/12/2021	4:43:22 PM	SOO-23	EBI	DU	USV	1	232
P00674151-1	1/12/2021	6:03:28 PM	NBO-25	EBD	EF	USV	1	118
P00674170-1	1/12/2021	6:10:32 PM	NBO-25	EBD	EF	USV	-	85
P00674171-1	1/12/2021	6:13:07 PM	NBO-25	EBD	EF	USV	-	82
P00674163-1	1/12/2021	6:16:46 PM	STW-15	ECA	EF	OTR	5	226
P00674164-1	1/12/2021	6:21:58 PM	SHA-17	ECA	EF	USC	1	155
P00674166-1	1/12/2021	6:33:36 PM	CRE-16	EAD	EF	USV	1	81
P00674167-1	1/12/2021	6:36:55 PM	OBY-16	ECC	EF	OFC	5	846
P00674191-1	1/12/2021	7:33:00 PM	TLN-0205	EBF	TV	OCO	2,155	176,254
P00674179-1	1/12/2021	7:36:10 PM	TOL-17	EBD	TV	OCO	-	50
P00674180-1	1/12/2021	7:36:15 PM	TOL-16	EBD	TV	OCO	-	40
P00674185-1	1/12/2021	7:36:29 PM	TOL-15	EBD	TV	OCO	-	7
P00674184-1	1/12/2021	7:36:33 PM	TOL-16	EBD	TV	OCO	-	27
P00674194-1	1/12/2021	7:37:03 PM	TOL-17	EBD	TV	OCO	-	6
P00674193-1	1/12/2021	7:37:04 PM	TOL-15	EBD	TV	OCO	-	21
P00674196-1	1/12/2021	7:37:19 PM	TOL-17	EBD	TV	OCO	-	6
P00674197-1	1/12/2021	7:37:20 PM	TOL-15	EBD	TV	OCO	-	10
P00674201-1	1/12/2021	7:37:34 PM	TOL-15	EBD	TV	OCO	-	5
P00674203-1	1/12/2021	7:37:41 PM	TOL-15	EBD	TV	OCO	-	5
P00674204-1	1/12/2021	7:37:43 PM	TOL-15	EBD	TV	OCO	-	5
P00674213-1	1/12/2021	7:38:00 PM	TLN-0205	EBD	EF	OCO	2,369	13,373
P00674227-1	1/12/2021	8:02:10 PM	NBO-25	EBD	EF	USV	14	1,797
P00674236-1	1/12/2021	8:06:42 PM	VAS-12	EBL	TV	OCO	13	736
P00674238-1	1/12/2021	8:12:09 PM	WOB-23	EAA	TV	OCO	6	5,106
P00674169-1	1/12/2021	8:19:02 PM	BLU-17	ECC	TV	OCO	1	205
P00674245-1	1/12/2021	8:23:34 PM	SHA-15	ECA	TV	OCO	7	3,707
P00674246-1	1/12/2021	8:25:55 PM	JUA-21	EBD	EF	OTF	76	6,644
P00674258-1	1/12/2021	8:40:52 PM	KIN-01	ECE	UN	OCO	-	255,075

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00674265-1	1/12/2021	8:42:30 PM	PMA-12	ECE	TV	OCO	134	14,990
P00674289-1	1/12/2021	9:09:59 PM	FLD-12	EAD	TV	OCO	7	27,086
P00674241-1	1/12/2021	9:10:57 PM	ENU-18	EBI	EF	OFC	7	466
P00674243-1	1/12/2021	9:11:17 PM	BRW-16	EAC	EF	OCO	6	1,892
P00674291-1	1/12/2021	9:14:15 PM	CUS-15	EAA	TV	OCO	2	689
P00674308-1	1/12/2021	9:43:00 PM	TLN-0012	EBD	TV	OCO	70	613,504
P00674299-1	1/12/2021	9:43:45 PM	BIG-15	EAC	TV	OCO	489	62,698
P00679773-1	1/12/2021	9:46:02 PM	SKY-23	EBD	TV	OCO	191	651,609
P00686805-1	1/12/2021	9:50:14 PM	SKY-23	EBD	TV	OCO	132	262,603
P00674315-1	1/12/2021	10:08:53 PM	MAX-12	EAD	TV	OCO	125	36,889
P00674319-1	1/12/2021	10:22:40 PM	FRG-24	ECC	TV	OCO	44	169,391
P00674321-1	1/12/2021	10:24:37 PM	ROE-13	EAA	TV	OCO	745	58,830
P00674323-1	1/12/2021	10:35:52 PM	BIG-12	EAC	TV	OCO	433	111,745
P00674332-1	1/12/2021	10:40:30 PM	NUG-26	EAA	TV	OCO	1	493
P00674341-1	1/12/2021	10:41:09 PM	SWD-13	ECE	TV	OCO	389	156,465
P00686344-1	1/12/2021	10:47:58 PM	MAX-13	EAD	TV	OCO	393	17,133
P00674431-1	1/12/2021	10:58:00 PM	TLN-0007	EAC	TV	OCO	588	282,052
P00685024-1	1/12/2021	11:00:19 PM	BRS-13	EAC	TV	OCO	3	16,445
P00679774-1	1/12/2021	11:00:51 PM	HAM-15	EAC	TV	SCB	642	243,519
P00685990-1	1/12/2021	11:01:01 PM	HAM-13	EAC	TV	OCO	224	889,586
P00681126-1	1/12/2021	11:01:08 PM	HAM-15	EAC	TV	OCO	264	1,012,474
P00681131-1	1/12/2021	11:01:12 PM	HAM-15	EAC	TV	OCO	89	295,139
P00674368-1	1/12/2021	11:01:48 PM	WLS-16	EAC	TV	OCO	747	810,856
P00684979-1	1/12/2021	11:01:56 PM	BRS-13	EAC	TV	OPO	9	57,940
P00680193-1	1/12/2021	11:02:32 PM	HAM-15	EAC	TV	OCO	39	21,468
P00680338-1	1/12/2021	11:03:14 PM	HAM-15	EAC	TV	OCR	160	122,255
P00674391-1	1/12/2021	11:03:47 PM	WOB-26	EAA	TV	OCO	6	2,371
P00683903-1	1/12/2021	11:04:06 PM	HAM-15	EAC	TV	OCO	55	358,210
P00680636-1	1/12/2021	11:06:04 PM	HAM-15	EAC	TV	OCO	23	19,163
P00680507-1	1/12/2021	11:07:05 PM	HAM-15	EAC	TV	OCR	9	25,053
P00683822-1	1/12/2021	11:07:33 PM	HAM-15	EAC	TV	OCO	22	143,195

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00683220-1	1/12/2021	11:07:47 PM	HAM-15	EAC	TV	OCO	13	84,692
P00674418-1	1/12/2021	11:09:44 PM	MUR-13	ECE	TV	OCO	30	68,485
P00674424-1	1/12/2021	11:12:04 PM	VIT-22	EBD	SO	ACE	1	116
P00682805-1	1/12/2021	11:13:45 PM	HAM-15	EAC	TV	OCO	15	63,344
P00682378-1	1/12/2021	11:15:33 PM	HAM-15	EAC	TV	OCO	11	38,899
P00674430-1	1/12/2021	11:18:28 PM	ROC-17	ECC	TV	OFU	15	77,003
P00681039-1	1/12/2021	11:21:52 PM	ROC-17	ECC	TV	OCO	8	40,291
P00679081-1	1/12/2021	11:22:38 PM	KEN-12	EAA	TV	OCO	469	1,367,747
P00674551-1	1/12/2021	11:25:09 PM	ROC-25	ECC	TV	OCO	791	860,803
P00683419-1	1/12/2021	11:26:04 PM	PRI-13	ECC	TV	OCO	58	114,704
P00681167-1	1/12/2021	11:26:51 PM	ELD-25	ECC	TV	OCO	31	73,249
P00683056-1	1/12/2021	11:28:40 PM	ROC-16	ECC	TV	OCO	11	9,837
P00674452-1	1/12/2021	11:28:56 PM	ROC-16	ECC	TV	OCO	49	71,053
P00681780-1	1/12/2021	11:29:40 PM	ROC-16	ECC	TV	OPO	15	62,159
P00674450-1	1/12/2021	11:30:32 PM	ROC-16	ECC	TV	OCO	542	877,017
P00679620-1	1/12/2021	11:30:36 PM	AIR-22	ECC	TV	OCO	1,198	927,492
P00674457-1	1/12/2021	11:30:39 PM	BAR-13	ECC	TV	OCO	1,784	302,597
P00682666-1	1/12/2021	11:30:56 PM	NUG-26	EAA	TV	OCO	21	26,277
P00674571-1	1/12/2021	11:31:38 PM	GRI-16	ECC	TV	OCO	48	154,552
P00674468-1	1/12/2021	11:31:44 PM	BAR-15	ECC	TV	OCO	122	249,622
P00674493-1	1/12/2021	11:33:16 PM	BLU-16	ECC	TV	OCO	179	360,321
P00674505-1	1/12/2021	11:33:44 PM	CAP-13	ECC	TV	OCO	141	311,424
P00674510-1	1/12/2021	11:34:02 PM	BAR-15	ECC	TV	OPO	280	654,445
P00674527-1	1/12/2021	11:34:04 PM	LAC-13	ECC	TV	OCO	2,022	2,473,348
P00674512-1	1/12/2021	11:34:07 PM	ROC-26	ECC	TV	OCO	403	418,728
P00674516-1	1/12/2021	11:34:21 PM	NLM-16	EAC	TV	OCO	297	827,680
P00674517-1	1/12/2021	11:34:23 PM	SPG-13	ECC	TV	OCO	317	158,393
P00674538-1	1/12/2021	11:34:49 PM	ELD-26	ECC	TV	OCO	1,469	895,796
P00684096-1	1/12/2021	11:35:30 PM	ROC-26	ECC	TV	OCO	15	34,254
P00674536-1	1/12/2021	11:35:45 PM	BAR-15	ECC	TV	OCO	6	14,275
P00674539-1	1/12/2021	11:35:46 PM	OBY-17	ECC	TV	OCO	48	45,714

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00674561-1	1/12/2021	11:36:09 PM	CHI-12	ECD	TV	OCO	939	205,109
P00674574-1	1/12/2021	11:37:56 PM	CHA-13	ECC	TV	OCO	1,580	916,132
P00680025-1	1/12/2021	11:38:00 PM	TLN-0191	ECE	TV	OCO	4,254	1,630,699
P00674583-1	1/12/2021	11:38:14 PM	ELD-25	ECC	TV	OPO	33	131,860
P00674589-1	1/12/2021	11:38:35 PM	AIR-23	ECC	TV	OCO	660	503,093
P00674593-1	1/12/2021	11:38:46 PM	MKI-16	ECC	TV	OCO	91	371,200
P00674620-1	1/12/2021	11:38:59 PM	TRA-25	ECE	TV	OCO	428	239,509
P00674637-1	1/12/2021	11:39:44 PM	SIN-23	ECD	TV	OCO	1,023	188,968
P00674611-1	1/12/2021	11:39:52 PM	WOO-26	ECA	EF	OTR	4	9,682
P00680731-1	1/12/2021	11:40:00 PM	SPG-13	ECC	TV	OCO	17	85,865
P00674616-1	1/12/2021	11:40:03 PM	SPG-13	ECC	TV	OCO	56	142,371
P00687805-1	1/12/2021	11:40:27 PM	BLU-17	ECC	TV	OCO	48	260,316
P00674630-1	1/12/2021	11:40:36 PM	SWI-17	ECC	TV	OCR	82	303,191
P00674639-1	1/12/2021	11:40:56 PM	BLU-16	ECC	TV	OCO	22	82,292
P00674657-1	1/12/2021	11:41:14 PM	HAW-11	ECC	TV	OCO	961	986,250
P00674646-1	1/12/2021	11:41:22 PM	LUH-15	ECC	TV	OCO	2,424	1,880,580
P00674626-1	1/12/2021	11:41:32 PM	BLU-17	ECC	TV	OFC	23	89,560
P00674652-1	1/12/2021	11:41:53 PM	BLU-13	ECC	TV	OCO	34	124,917
P00674655-1	1/12/2021	11:42:13 PM	SWI-17	ECC	TV	OCO	661	859,454
P00674672-1	1/12/2021	11:42:53 PM	PMA-12	ECE	TV	OCO	80	83,309
P00681964-1	1/12/2021	11:43:07 PM	WOL-25	ECC	TV	OCO	2	8,153
P00674682-1	1/12/2021	11:43:09 PM	RPT-26	ECD	TV	OCO	40	36,287
P00674680-1	1/12/2021	11:43:17 PM	TAN-01	ECC	TV	OCO	-	378,061
P00679692-1	1/12/2021	11:43:18 PM	LON-17	ECC	TV	OCO	11	44,672
P00674691-1	1/12/2021	11:43:19 PM	PAT-17	ECC	TV	OCO	144	376,537
P00674767-1	1/12/2021	11:43:34 PM	WIN-16	ECE	TV	OCO	-	136,792
P00674713-1	1/12/2021	11:43:45 PM	HOL-01	ECA	TV	OCO	4,166	1,004,977
P00681984-1	1/12/2021	11:43:54 PM	ELD-25	ECC	TV	OCO	4	9,700
P00681363-1	1/12/2021	11:43:57 PM	CHA-13	ECC	TV	OCO	21	42,932
P00684034-1	1/12/2021	11:44:00 PM	FRA-01	ECD	TV	OCO	1,992	1,886,131
P00684838-1	1/12/2021	11:44:06 PM	MUR-13	ECE	TV	OCO	86	169,844

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00674734-1	1/12/2021	11:44:06 PM	MCA-01	ECC	TV	OPO	3,276	815,177
P00674738-1	1/12/2021	11:44:11 PM	FRG-25	ECC	TV	OPO	1	5,265
P00674749-1	1/12/2021	11:44:19 PM	FNW-13	ECD	TV	OCO	357	220,584
P00674750-1	1/12/2021	11:44:22 PM	FRG-22	ECC	TV	OCO	33	131,517
P00674769-1	1/12/2021	11:44:34 PM	FRA-15	ECD			523	1,153,040
P00674780-1	1/12/2021	11:44:40 PM	FNW-15	ECD	TV	OCO	1,994	708,004
P00684347-1	1/12/2021	11:44:47 PM	FRA-16	ECD	TV	OCO	588	52,234
P00681819-1	1/12/2021	11:44:51 PM	LUH-14	ECC	TV	OCO	22	94,293
P00674898-1	1/12/2021	11:44:54 PM	FNW-16	ECD	TV	OCO	4,348	1,534,278
P00680381-1	1/12/2021	11:44:57 PM	TLN-0098	ECD	TV	OCO	2,304	1,475,569
P00680713-1	1/12/2021	11:44:59 PM	FRA-12	ECD	TV	OCO	377	365,129
P00681485-1	1/12/2021	11:45:05 PM	SIN-22	ECD	EF	OIN	7	18,547
P00674849-1	1/12/2021	11:45:17 PM	CHI-13	ECD	EF	OIN	3	2,204
P00674856-1	1/12/2021	11:45:23 PM	SHE-25	ECE	TV	OCO	348	188,390
P00674891-1	1/12/2021	11:45:35 PM	PMA-13	ECE	TV	OSV	24	21,376
P00674920-1	1/12/2021	11:45:49 PM	ELD-23	ECC	TV	OCO	2	8,258
P00674923-1	1/12/2021	11:45:50 PM	MIL-23	ECE	TV	OCO	25	20,369
P00680716-1	1/12/2021	11:45:52 PM	FRA-13	ECD	TV	OCO	393	359,030
P00681215-1	1/12/2021	11:46:14 PM	PAT-15	ECC	TV	OCO	186	492,804
P00674966-1	1/12/2021	11:46:20 PM	BLU-13	ECC	TV	OCO	14	56,342
P00674981-1	1/12/2021	11:46:22 PM	GRI-13	ECC	TV	OCO	19	46,462
P00683815-1	1/12/2021	11:46:37 PM	WIN-16	ECE	TV	OCR	583	782,609
P00675046-1	1/12/2021	11:46:59 PM	PAT-15	ECC	TV	OCO	172	350,171
P00675078-1	1/12/2021	11:47:12 PM	RPT-26	ECD	TV	OCO	124	116,291
P00675115-1	1/12/2021	11:47:32 PM	GRV-16	ECA	TV	OCO	774	2,040,645
P00675107-1	1/12/2021	11:47:35 PM	WIN-13	ECE	TV	OPO	1,222	1,478,000
P00675118-1	1/12/2021	11:47:37 PM	GRV-15	ECA	OD	OCO	11	24,600
P00675138-1	1/12/2021	11:47:46 PM	MUR-13	ECE	TV	OCO	28	34,017
P00675170-1	1/12/2021	11:48:00 PM	BTN-36	EAC	TV	OCO	-	188,134
P00675188-1	1/12/2021	11:48:30 PM	PRI-23	ECC	TV	OCO	944	1,413,260
P00676814-1	1/12/2021	11:48:39 PM	GRV-15	ECA	TV	OCO	23	40,268

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00681141-1	1/12/2021	11:48:46 PM	PLG-13	ECC	TV	OCO	32	39,851
P00675189-1	1/12/2021	11:48:55 PM	YEL-25	ECC	TV	OCO	180	168,002
P00675206-1	1/12/2021	11:49:06 PM	GRI-16	ECC	TV	OCO	162	419,899
P00682251-1	1/12/2021	11:49:07 PM	RAI-11	ECC	TV	OCO	51	42,763
P00675191-1	1/12/2021	11:49:10 PM	RAI-11	ECC	TV	OCO	1,045	702,018
P00675173-1	1/12/2021	11:49:24 PM	PAT-15	ECC	TV	OCO	43	151,537
P00675272-1	1/12/2021	11:49:33 PM	LON-22	ECC	TV	OCO	23	97,442
P00675224-1	1/12/2021	11:49:35 PM	MOT-14	ECC	TV	OCO	944	859,339
P00675307-1	1/12/2021	11:49:46 PM	GRI-13	ECC	TV	OCO	10	34,499
P00675317-1	1/12/2021	11:49:53 PM	BLU-13	ECC	TV	OCO	27	93,656
P00675186-1	1/12/2021	11:50:13 PM	PLG-13	ECC	TV	OCO	21	100,798
P00675342-1	1/12/2021	11:50:27 PM	CAP-15	ECC	TV	OSV	5	11,852
P00684943-1	1/12/2021	11:50:30 PM	VAS-12	EBL	TV	OCO	13	17,779
P00675777-1	1/12/2021	11:50:31 PM	GRV-15	ECA	TV	OCO	432	1,071,475
P00675349-1	1/12/2021	11:50:32 PM	ROC-17	ECC	TV	OCO	37	75,532
P00675356-1	1/12/2021	11:50:35 PM	PMA-12	ECE	TV	OCO	24	18,427
P00675368-1	1/12/2021	11:50:40 PM	RAI-12	ECC	TV	OCO	950	571,330
P00675376-1	1/12/2021	11:50:45 PM	EPO-13	ECD	TV	OCO	1,541	699,332
P00675409-1	1/12/2021	11:51:24 PM	GRV-13	ECA	TV	OCO	144	188,112
P00681303-1	1/12/2021	11:51:33 PM	PMA-16	ECE	TV	OCO	9	21,233
P00675413-1	1/12/2021	11:51:35 PM	PLA-21	EBD	TV	OCO	1,138	915,924
P00675884-1	1/12/2021	11:51:50 PM	GRV-16	ECA	TV	OCO	14	56,828
P00675423-1	1/12/2021	11:51:54 PM	BLU-13	ECC	TV	OCO	81	296,241
P00683184-1	1/12/2021	11:51:55 PM	PLA-21	EBD	TV	OCO	113	407,261
P00686974-1	1/12/2021	11:51:59 PM	PAT-13	ECC	TV	OCO	19	82,557
P00680802-1	1/12/2021	11:52:07 PM	LON-25	ECC	TV	OCO	472	481,851
P00675408-1	1/12/2021	11:52:44 PM	GRV-13	ECA	TV	OCO	48	68,827
P00675490-1	1/12/2021	11:52:44 PM	POU-16	ECE	TV	OCO	2	1,138
P00681707-1	1/12/2021	11:52:44 PM	POU-16	ECE	TV	OCO	37	76,498
P00675509-1	1/12/2021	11:53:00 PM	SWI-13	ECC	TV	OCO	1,019	939,645
P00675631-1	1/12/2021	11:53:04 PM	FWY-11	EBJ	TV	OCO	-	108,570

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00675502-1	1/12/2021	11:53:05 PM	YEL-25	ECC	TV	OCO	91	328,965
P00682280-1	1/12/2021	11:53:28 PM	PLA-21	EBD	EF	OAR	13	35,703
P00683195-1	1/12/2021	11:54:13 PM	PLA-21	EBD	TV	OCO	7	24,640
P00675589-1	1/12/2021	11:54:35 PM	AIR-26	ECC	TV	OCO	399	314,131
P00680419-1	1/12/2021	11:55:06 PM	EPO-15	ECD	TV	OCO	20	49,375
P00684917-1	1/12/2021	11:55:27 PM	KEN-12	EAA	TV	OCO	-	56,087
P00675623-1	1/12/2021	11:55:28 PM	STW-13	ECA	TV	OCO	507	1,390,253
P00679766-1	1/12/2021	11:55:53 PM	MIL-16	ECE	TV	OIN	56	114,316
P00675637-1	1/12/2021	11:55:53 PM	LAT-14	EBJ	TV	OCO	33	87,709
P00675684-1	1/12/2021	11:56:51 PM	ALG-12	EAC	TV	OCO	653	408,571
P00681309-1	1/12/2021	11:56:56 PM	RAI-14	ECC	TV	OCO	103	205,799
P00675674-1	1/12/2021	11:57:12 PM	EPO-15	ECD	TV	OCO	5	9,745
P00675696-1	1/12/2021	11:57:26 PM	LON-26	ECC	TV	OCO	443	889,847
P00675734-1	1/12/2021	11:57:56 PM	GRV-12	ECA	TV	OCO	889	2,965,344
P00675698-1	1/12/2021	11:58:38 PM	PMA-12	ECE	EF	OCO	79	31,678
P00682599-1	1/12/2021	11:58:45 PM	FRA-16	ECD	TV	OCO	79	84,309
P00681518-1	1/12/2021	11:58:58 PM	YEL-25	ECC	TV	OCO	14	13,743
P00675747-1	1/12/2021	11:59:01 PM	EDG-15	ECA	TV	OCO	298	141,128
P00675711-1	1/12/2021	11:59:02 PM	VAS-23	EBL	TV	OPO	81	141,153
P00675718-1	1/12/2021	11:59:05 PM	LON-23	ECC	TV	OCO	54	127,965
P00675703-1	1/12/2021	11:59:07 PM	GRV-15	ECA	TV	OCO	19	40,969
P00675717-1	1/12/2021	11:59:09 PM	YEL-23	ECC	TV	OCO	17	84,465
P00682729-1	1/12/2021	11:59:25 PM	LON-25	ECC	TV	OCO	807	764,484
P00683033-1	1/12/2021	11:59:31 PM	AIR-26	ECC	TV	OCO	32	43,794
P00675772-1	1/12/2021	11:59:56 PM	STW-15	ECA	TV	OPO	1,693	463,879

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



Storm Knocks Out Power For Hours Across Western Washington

More than 150,000 remained without power Wednesday evening after a powerful storm moved across the region.

Lucas Combos, Patch Staff

Posted Wed, Jan 13, 2021 at 10:13 am PT

Updated Wed, Jan 13, 2021 at 5:54 pm PT

SEATTLE — A powerful storm, packed with wind gusts topping 70 mph in some areas, moved across Western Washington early Wednesday, leaving hundreds of thousands without power Wednesday and a few major roads closed into the evening hours.

Early Wednesday, more than half a million Puget Sound Energy customers were without power. By 10 a.m., that number was cut in half, but 258,000 were still in the dark. In Seattle, City Light reported more than 40,000 still without power, with roughly 10,000 among Tacoma Public Utilities customers.

By noon, PSE crews had whittled down its outages to 216,000 customers, and more than 150,000 were still in need of power restoration at 6 p.m.

Seattle City Light said its crews were dispatched to more than 120 individual outages Wednesday, affecting 74,000 customers, with the highest concentration seen south of the Ship Canal. High winds brought trees down across the city, and Seattle Parks crews responded to a slide on the Burke-Gilman Trail.

Flooding, downed trees and other debris blocked roads in several areas, including a section of State Route 169. Up north, a semi-truck tipped on the Deception Pass bridge shortly before 4 a.m., prompting a three-hour closure. Closures were in place for much of Wednesday in cities across Puget Sound.

In King County, officials activated their snowplows to help clear piles of mud, branches and other hazards.

Here are some of the peak wind gusts recorded early Wednesday:

Seattle:	45 mph
Bellevue:	52 mph
Renton Airport:	46 mph
Kirkland:	40 mph
JBLM:	58 mph
Tacoma:	56 mph
Puyallup:	40 mph
Paradise:	66 mph
Ferndale:	70 mph

CONFIDENCE AND DETAILS

Coast and Lowland Locations	
HIGH Confidence	<ul style="list-style-type: none"> ● River Flooding: Rivers are expected to rise through Monday with most falling short of flood stage. Minor impacts possible. Flooding of area roads around the Skokomish River in Mason County expected.
MODERATE Confidence	<ul style="list-style-type: none"> ● Dangerous avalanche conditions in many areas See www.nwac.us for additional details.
LOW Confidence	<ul style="list-style-type: none"> ● Landslides: Brief road closures may result from isolated shallow landslides Sunday and Monday.

	<ul style="list-style-type: none"> ● Lowland Snow: Travel impacts possible due to poor visibility under any snow showers and minor accumulations along parts of Hwy 101. ● Gusty Winds: Southerly winds may cause isolated power outages Monday morning through early afternoon.
Forecast Details	<ul style="list-style-type: none"> ● Tonight: <ul style="list-style-type: none"> ○ The last in a series of frontal systems will bring another round of moderate to heavy rain and relatively high snow levels. ● Monday through Monday Night: <ul style="list-style-type: none"> ○ Moderate to heavy rain will yield the risk for shallow landslides across parts of the area, particularly across the south sound and parts of the central and southern Cascades ○ Southerly winds will gust from 30 to 35 mph at times south of a south to north moving warm front late morning through early afternoon. ○ Snow levels will fall from west to east with the passage of a cold front through the day ○ Some wet snow is possible in the lowlands late Monday morning through Monday night as heavy precipitation immediately behind the cold front drags the snow level down. ○ The focus currently for any potential accumulating snow on grassy surfaces remains along the Cascade Foothills and the northern Olympic Peninsula along the Strait of Juan de Fuca. Slight chance for a rain/snow mix elsewhere around the Puget Sound. ○ If snow does occur, travel impacts due to accumulation are not likely in most areas as roadways remain warm and onshore flow prevents freezing temperatures. Poor visibility will be a factor under any snow bands or showers. See graphic for snow accumulation totals. ○ Snow accumulations of 3-6" expected in the mountain passes Monday Night. Locally higher amounts at Stevens Pass. See graphic. ○ Precipitation will taper off Monday night into Tuesday morning.