2022 Qualifying Events Report

December 23, 2022 Event

Filed on
March 21, 2023

PUGET SOUND ENERGY

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Event Description

Event Date and Time
Start: 12/23/2022 15:00
End: 12/29/2022 05:00

Event Type
Wind, snow, freezing rain, ice

Service Areas Significantly Affected
Whatcom, Skagit, Island, King, Thurston, and Kitsap counties

Number of Customers Affected
System wide, approximately 202,765 customers were without power during the course of this event.

Summary of System Impacts

Total Number of Outages for the Event	906

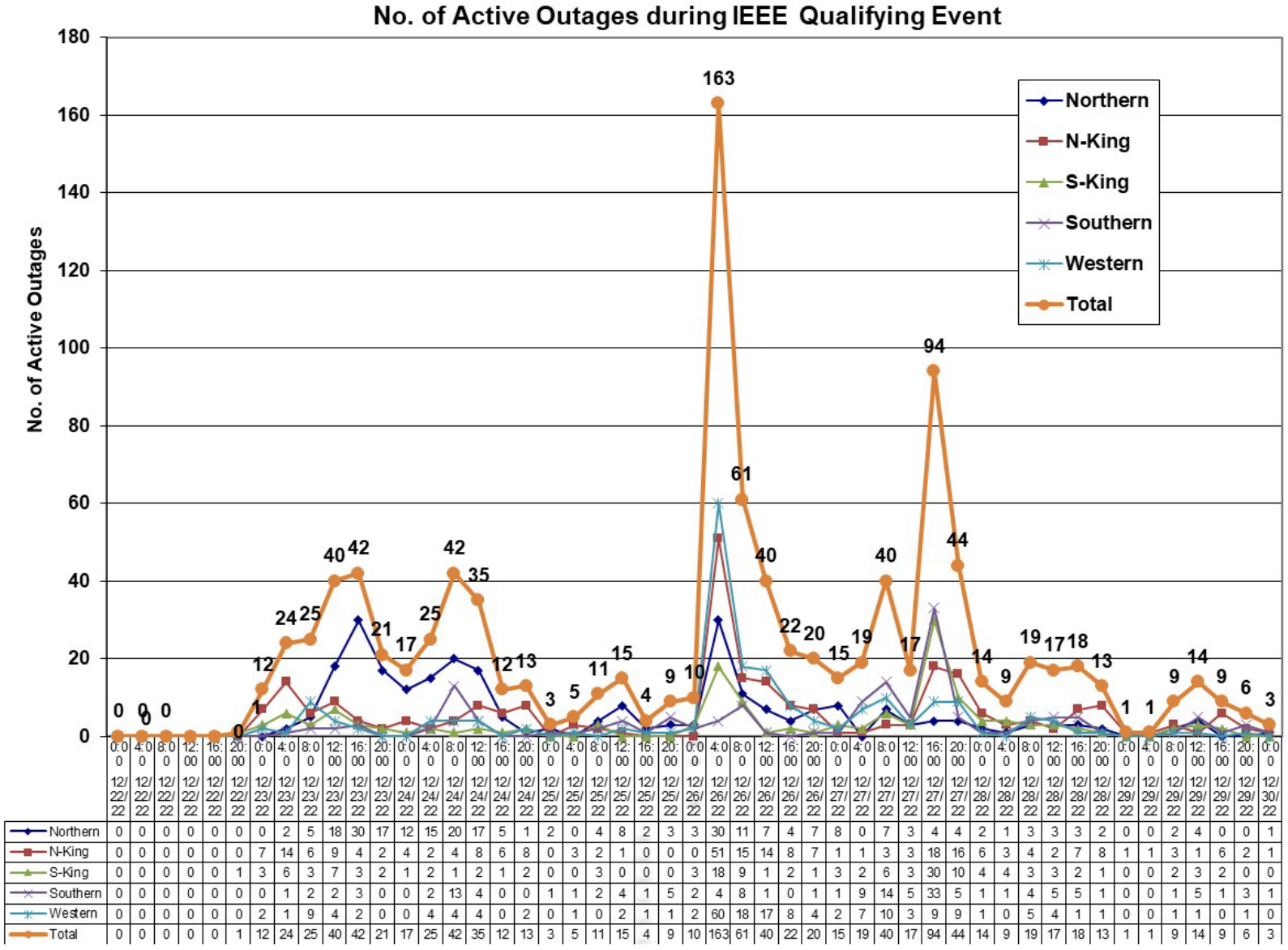
Transmission Line Segments Affected	7
Impacted Substations	3
Distribution Circuits Out	11

Mobilization Summary

Regional Operating Bases and ECC (Emergency Coordination Center) Activations

District	Date Opened	Time Opened	Date Closed	Time Closed
ECC	12/26/2022	10:30	12.28 2022	16:00
ISLAND	12/26/2022	05:00	12/282022	00:30
KITSAP	12/26/2022	05:00	12/282022	16:00
KITTITAS	Not Opened			
NORTH KING	12/26/2022	07:00	12/29/2022	00:30
PIERCE	Not Opened			
SKAGIT	12/26/2022	05:00	12.282022	00:30
SOUTH KING	12/27/2022	21:00	12.282022	12:30
THURSTON	12/27/2022	19:30	12.282022	16:00
VASHON	12/26/2022	05:00	12.282022	16:00
WHATCOM	12/26/2022	05:00	12282022	00:30

Active Outages Chart



	0:00 12/22/22	4:00 12/22/22	8:00 12/22/22	12:00 12/22/22	16:00 12/22/22	20:00 12/22/22	0:00 12/23/22	4:00 12/23/22	8:00 12/23/22	12:00 12/23/22	16:00 12/23/22	20:00 12/23/22	0:00 12/24/22	4:00 12/24/22	8:00 12/24/22	12:00 12/24/22	16:00 12/24/22	20:00 12/24/22	0:00 12/25/22	4:00 12/25/22	8:00 12/25/22	12:00 12/25/22	16:00 12/25/22	20:00 12/25/22	0:00 12/26/22	4:00 12/26/22	8:00 12/26/22	12:00 12/26/22	16:00 12/26/22	20:00 12/26/22	0:00 12/27/22	4:00 12/27/22	8:00 12/27/22	12:00 12/27/22	16:00 12/27/22	20:00 12/27/22	0:00 12/28/22	4:00 12/28/22	8:00 12/28/22	12:00 12/28/22	16:00 12/28/22	20:00 12/28/22	0:00 12/29/22	4:00 12/29/22	8:00 12/29/22	12:00 12/29/22	16:00 12/29/22	20:00 12/29/22	0:00 12/30/22
Northern	0	0	0	0	0	0	0	2	5	18	30	17	12	15	20	17	5	1	2	0	4	8	2	3	3	30	11	7	4	7	8	0	7	3	4	4	2	1	3	3	3	2	0	0	2	4	0	0	1
N-King	0	0	0	0	0	0	7	14	6	9	4	2	4	2	4	8	6	8	0	3	2	1	0	0	0	51	15	14	8	7	1	1	3	3	18	16	6	3	4	2	7	8	1	1	3	1	6	2	1
S-King	0	0	0	0	0	1	3	6	3	7	3	2	1	2	1	2	1	2	0	0	3	0	0	0	3	18	9	1	2	1	3	2	6	3	30	10	4	4	3	3	2	1	0	0	2	3	2	0	0
Southern	0	0	0	0	0	0	0	1	2	2	3	0	0	2	13	4	0	0	1	1	2	4	1	5	2	4	8	1	0	1	1	9	14	5	33	5	1	1	4	5	5	1	0	0	1	5	1	3	1
Western	0	0	0	0	0	0	2	1	9	4	2	0	0	4	4	4	0	2	0	1	0	2	1	1	2	60	18	17	8	4	2	7	10	3	9	9	1	0	5	4	1	1	0	0	1	1	0	1	0
Total	0	0	0	0	0	1	12	24	25	40	42	21	17	25	42	35	12	13	3	5	11	15	4	9	10	163	61	40	22	20	15	19	40	17	94	44	14	9	19	17	18	13	1	1	9	14	9	6	3

Major Event – Qualification Summary

IEEE[1] Standard 1366

IEEE Standard 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of electric system service reliability indices, to identify factors which affect the indices, and to aid in consistent reporting practices among utilities. Also, it provides guidance for new personnel in the reliability area and tools for internal as well as external comparisons. The Major Event Day definition was created as part of IEEE Standard 1366 to allow for consistent calculation of reliability metrics between utilities and enable more valid comparisons with other utility reliability metrics.

IEEE Major Event Day Calculation (2.5 BETA METHOD)

1. A threshold on daily SAIDI[2] 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 (Alpha + 2.5 * 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 2022: 7.80 Minutes

Qualified Event - Calculation Detail - Current Event

Event Date, Time Range	Total Outages	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
12/23/2022 15:00 - 12/29/2022 05:00	906	70,463,202	1,215,917	57.95

YTD Qualified Events - First Day the Daily SAIDI Exceeded T_{MED} of 6.38 Minutes

Date	Daily SAIDI (from midnight to midnight)	Total O&M Costs
1/03/2022	8.29	$1,635,257
4/04/2022	28.17	$3,940,756
11/04/2022	105.34	$11,561,477*
11/29/2022	21.12	$4,394,472*
12/03/2022	9.63	$1,239,696
12/23/2022	16.01	$8,690,499

[1] IEEE: Institute of Electrical and Electronics Engineers
[2] SAIDI: System Average Interruption Duration Index
* Update since last report

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)

2022 Restoration Costs Detail - By Storm Event (includes ALL storm events)

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)
1/3/2022	$0	$375,288	$0	$1,635,257	$1,635,257	$2,010,545
2/21/2022 **	$0	$401,708	$153,499	$0	$153,499	$555,208
4/4/2022	$0	$916,212	$0	$3,940,756	$3,940,756	$4,856,968
5/18/2022 **	$0	$476,955	$235,544	$0	$235,544	$712,499
11/4/2022	$7,137,491*	$3,357,000	$0	$4,423,986	$11,561,477*	$14,918,477*
11/17/2022 **	$0	$520,302	$203,712*	$0	$203,712*	$724,013*
11/29/2022	$4,394,472*	$665,856	$0	$0	$4,394,472*	$5,060,328*
12/03/2022	$1,239,696	$104,443	$0	$0	$1,239,696	$1,344,140
12/23/2022	$8,690,499	$91,989	$0	$0	$8,690,499	$8,782,488

* Costs updated since last report

** Non-qulifying Event; Costs associated with these events are not deferrable

2022 YTD Storm Restoration Cost Summary for All Events

Qualifying Events Deferred Account	Capital Costs	O&M Costs - Not Deferrable	O&M Costs - Deferrable Accumulation	Total O&M Costs	Total Costs
$21,462,158	$6,909,753	$592,755	$10,000,000	$32,054,913	$38,964,666

Detail Information for Current Event

Restoration Costs Detail

Active Outages Chart

Detailed List of Distribution Circuits with Outages

Terms, Codes and Definitions Used on Detail Reports

Restoration Costs Detail – Current Event

Puget Sound Energy

December 23rd Qualifying Storm Damage Repair Costs

	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor						
ST	$0	$0	$0	$51,559	$51,559	$51,559
OT	$0	$0	$0	$874,393	$874,393	$874,393
Total Labor	$0	$0	$0	$925,952	$925,952	$925,952
Labor OH	$0	$3,836	$0	$0	$0	$3,836
Materials	$0	$88,056	$0	$218,250	$218,250	$306,306
Contractors	$0	$0	$0	$7,084,435	$7,084,435	$7,084,435
Other Direct Charges	$0	$0	$0	$296	$296	$296
Fleet	$0	$0	$0	$0	$0	$0
Other Assessments	$0	$98	$0	$461,566	$461,566	$461,664
Deferred Expenses	$8,690,499	$0	$0	$0	$0	$0
	$8,690,499	$91,989	$0	$8,690,499	$8,690,499	$8,782,488

ST: Standard time
OT: Over time
OH: Overhead

Detailed List of Outages – First TMED-Exceeding Day

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00865557-1	12/23/2022	12:09:21 AM	SKY-23	EBD	TV	OCO	-	213,089
P00865566-1	12/23/2022	12:33:16 AM	CUM-13	EBI	TV	OFU	-	25,170
P00865569-1	12/23/2022	12:43:22 AM	SNQ-15	EBD	EF	OHR	95	1,534
P00865575-1	12/23/2022	1:00:53 AM	SNQ-15	EBD	TV	OFU	76	73,287
P00865584-1	12/23/2022	1:16:31 AM	SNQ-15	EBD	EF	OHR	95	1,631
P00866360-1	12/23/2022	1:25:34 AM	NBE-13	EBD	TV	OCO	-	3,893
P00865586-1	12/23/2022	1:30:16 AM	HOB-15	EBI	TV	OFU	1	660
P00865590-1	12/23/2022	1:57:05 AM	HOB-15	EBI	TV	OCO	540	373,028
P00865592-1	12/23/2022	1:59:34 AM	SNQ-16	EBD	TV	OSV	1	1,636
P00865599-1	12/23/2022	3:01:46 AM	SKY-25	EBD	TV	OCO	15	103,541
P00865614-1	12/23/2022	3:59:52 AM	CHI-12	ECD	TV	OCO	1	186
P00866483-1	12/23/2022	4:18:00 AM	NBE-16	EBD	TV	OCO	25	47,093
P00865627-1	12/23/2022	4:38:24 AM	CUM-13	EBI	TV	OCO	5	5,082
P00865628-1	12/23/2022	4:38:27 AM	VAS-22	EBL	TV	OCO	313	35,654
P00865683-1	12/23/2022	4:39:00 AM	TLN-0012	EBD	TV	OCO	-	104,899
P00870647-1	12/23/2022	4:40:22 AM	SKY-25	EBD	TV	OCR	-	2,768,499
P00865632-1	12/23/2022	4:41:27 AM	BIG-15	EAC	TV	OFU	174	37,630
P00870646-1	12/23/2022	4:46:02 AM	SKY-23	EBD	TV	OCO	328	2,025,626
P00865651-1	12/23/2022	5:01:58 AM	FAL-15	EBD	TV	OCO	109	82,492
P00865659-1	12/23/2022	5:18:31 AM	FAL-16	EBD	TV	OFU	15	34,299
P00865663-1	12/23/2022	5:24:58 AM	FAL-16	EBD	TV	OFU	71	134,495
P00865671-1	12/23/2022	5:52:24 AM	FAL-16	EBD	EF	OFU	6	18,510
P00865978-1	12/23/2022	5:57:25 AM	CUM-13	EBI	TV	OHR	13	11,050
P00865673-1	12/23/2022	5:57:46 AM	LYO-15	EBI	TV	OFU	24	8,333
P00865675-1	12/23/2022	6:00:33 AM	FAL-15	EBD	TV	OCO	55	85,783
P00865676-1	12/23/2022	6:02:22 AM	FAL-13	EBD	TV	OCO	115	80,969
P00865685-1	12/23/2022	6:15:41 AM	FNW-13	ECD	TV	OCO	439	63,172
P00865706-1	12/23/2022	6:20:29 AM	FAL-16	EBD	EF	OCO	55	69,044
P00865715-1	12/23/2022	6:40:54 AM	CUM-13	EBI	TV	OFU	4	1,784
P00865717-1	12/23/2022	6:43:09 AM	NLM-13	EAC	CE	OJU	1	135
P00865720-1	12/23/2022	7:01:38 AM	MST-25	EBJ	EO	OFU	694	67,052
P00865733-1	12/23/2022	7:06:14 AM	SKY-23	EBD	TV	OCO	416	4,798,018
P00865734-1	12/23/2022	7:09:59 AM	ENU-17	EBI	TV	OFU	10	37,746
P00866118-1	12/23/2022	7:26:23 AM	NBE-16	EBD	TV	OSV	1	1,175
P00865747-1	12/23/2022	7:40:59 AM	LON-17	ECC	TV	OCO	11	2,552
P00865784-1	12/23/2022	8:38:52 AM	SNQ-16	EBD	ND	OFU	6	3,480
P00865866-1	12/23/2022	8:53:00 AM	TLN-0283	ECE	TV	OCO	5,201	2,348,948
P00865877-1	12/23/2022	9:09:00 AM	CHI-12	ECD	TV	OCO	79	16,958
P00865892-1	12/23/2022	9:21:36 AM	TOL-17	EBD	TV	OCO	24	5,935
P00865893-1	12/23/2022	9:22:10 AM	COT-13	EBD	TV	OTF	2	136
P00865679-1	12/23/2022	9:27:19 AM	KNM-23	EBD	AV	UPT	3	1,182
P00865906-1	12/23/2022	9:37:39 AM	MAN-16	ECD	TV	OCO	2	3,017
P00865912-1	12/23/2022	9:50:43 AM	SHE-15	ECE	TV	OCO	24	2,997
P00865920-1	12/23/2022	9:58:51 AM	CHI-13	ECD	TV	OCO	1,014	55,094

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00865914-1	12/23/2022	9:59:07 AM	GRI-16	ECC	TV	OTR	5	474
P00865921-1	12/23/2022	10:00:24 AM	STW-13	ECA	CE	UHH	1	500
P00865924-1	12/23/2022	10:04:41 AM	FRA-12	ECD	TV	OCO	4	1,922
P00865929-1	12/23/2022	10:04:56 AM	BIG-13	EAC	UN	OIN	1,790	208,565
P00865946-1	12/23/2022	10:38:36 AM	CHI-12	ECD	TV	OCO	7	1,068
P00865173-2	12/23/2022	10:39:59 AM	DUV-12	EBD	TV	OCO	1	60
P00865962-1	12/23/2022	10:53:04 AM	FNW-16	ECD	TV	OCO	25	6,342
P00865967-1	12/23/2022	11:00:46 AM	ELL-13	EBJ	EF	OCO	70	39,772
P00865983-1	12/23/2022	11:29:29 AM	FAC-12	EBE	EF	USV	1	2,971
P00865986-1	12/23/2022	11:34:15 AM	ENU-16	EBI	TV	OCO	1	301
P00865987-1	12/23/2022	11:36:00 AM	SEM-15	EAA	TV	OCO	12	24,745
P00865989-1	12/23/2022	11:36:30 AM	NUG-26	EAA	EF	OTR	1	2,208
P00865991-1	12/23/2022	11:38:36 AM	BCH-13	EAA	TV	OFU	80	7,784
P00865993-1	12/23/2022	11:38:55 AM	MAN-13	ECD	TV	OSV	1	513
P00865996-1	12/23/2022	11:43:40 AM	HOB-15	EBI	TV	OCO	23	6,828
P00866004-1	12/23/2022	11:50:28 AM	HAN-16	EAA	TV	OFU	11	1,284
P00866015-1	12/23/2022	12:09:23 PM	MSI-24	EBD	TV	OFU	148	47,444
P00866020-1	12/23/2022	12:19:08 PM	FNW-15	ECD	EF	OSV	1	175
P00866033-1	12/23/2022	12:19:44 PM	SKE-26	ECE	TV	OSW	1,648	196,990
P00866034-2	12/23/2022	12:26:00 PM	BAR-15	ECC	TV	OCN	2	710
P00866038-1	12/23/2022	12:29:40 PM	NBE-12	EBD	EF	OFU	77	12,201
P00866040-1	12/23/2022	12:30:12 PM	WOB-23	EAA	EF	OCN	4	1,249
P00866044-1	12/23/2022	12:32:51 PM	CUM-13	EBI	TV	OHR	85	1,258
P00866055-1	12/23/2022	12:40:42 PM	KCR-16	EBJ	TV	OFU	4	423
P00866057-1	12/23/2022	12:41:43 PM	NBE-16	EBD	EF	UPT	2	81
P00866063-1	12/23/2022	12:50:13 PM	NUG-25	EAA	TV	OCO	-	12,910
P00866067-1	12/23/2022	12:59:33 PM	FRA-15	ECD	TV	OFU	14	4,136
P00867029-1	12/23/2022	1:14:48 PM	FAL-16	EBD	TV	OCO	20	52,745
P00866082-1	12/23/2022	1:28:55 PM	LYO-12	EBI	EF	OTR	4	5,356
P00866084-1	12/23/2022	1:32:23 PM	NBE-16	EBD	TV		1	1,102
P00865737-2	12/23/2022	1:45:47 PM	HOB-15	EBI	TV	OCO	17	3,837
P00866120-1	12/23/2022	2:10:39 PM	NBE-16	EBD	TV	OSV	1	773
P00866123-1	12/23/2022	2:16:59 PM	NBE-16	EBD	TV	OSV	1	2,626
P00866129-1	12/23/2022	2:25:28 PM	VWY-15	EAA	TV	OCO	-	39,438
P00866141-1	12/23/2022	2:41:21 PM	SNQ-17	EBD	TV	OUP	79	8,923
P00866143-1	12/23/2022	2:42:17 PM	VAS-22	EBL	TV	OTR	2	581
P00866144-1	12/23/2022	2:42:18 PM	BHL-12	ECE	TV	OCO	80	3,764
P00866157-1	12/23/2022	2:53:08 PM	BRI-14	EAA	TV	OFU	13	11,620
P00866159-1	12/23/2022	2:54:09 PM	ELD-27	ECC	TV	OCO	1	102
P00866160-1	12/23/2022	2:54:10 PM	HOB-15	EBI	EF	OTR	3	4,465
P00866162-1	12/23/2022	2:57:22 PM	NUG-26	EAA	TV	OFU	4	3,005
P00866166-1	12/23/2022	2:59:56 PM	NUG-26	EAA	TV	OHR	334	30,912
P00866102-1	12/23/2022	3:01:24 PM	RIT-17	EAC	EF	OCN	9	117
P00866188-1	12/23/2022	3:15:05 PM	HAN-16	EAA	TV	OCO	29	34,179
P00866191-1	12/23/2022	3:21:48 PM	SCH-15	EAA	TV	OFU	-	6,222
P00866193-1	12/23/2022	3:22:52 PM	LYN-16	EAA	TV	SCB	177	16,178

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00866194-1	12/23/2022	3:24:08 PM	ALG-15	EAA	TV	OTF	4	2,059
P00866195-1	12/23/2022	3:25:36 PM	MTV-16	EAC	EF	OCO	194	13,373
P00866198-1	12/23/2022	3:26:15 PM	HAN-16	EAA	TV	OCO	64	24,292
P00866208-1	12/23/2022	3:34:28 PM	NUG-25	EAA	TV	OCO	551	60,699
P00866206-1	12/23/2022	3:34:36 PM	MCK-15	EAA	TV	OFU	56	73,424
P00866218-1	12/23/2022	3:44:07 PM	BRI-15	EAA	TV	OFU	160	30,200
P00865979-2	12/23/2022	3:47:55 PM	CAS-15	EBH	EF	OTR	2	112
P00866223-1	12/23/2022	3:48:22 PM	MVW-16	EBJ	EF	USC	1	2,123
P00866229-1	12/23/2022	3:52:05 PM	KEN-12	EAA	TV	OCO	179	61,447
P00866232-1	12/23/2022	3:56:00 PM	BCH-13	EAA	TV	OCO	80	26,855
P00866237-1	12/23/2022	4:02:04 PM	AIR-22	ECC	TV	OTR	2	240
P00866246-1	12/23/2022	4:02:16 PM	LAB-26	EAA	TV	OCO	914	185,196
P00866254-1	12/23/2022	4:09:36 PM	BRS-24	EAC	TV	OFU	102	20,269
P00866264-1	12/23/2022	4:16:12 PM	WOB-25	EAA	TV	SCB	1,564	259,363
P00866310-1	12/23/2022	4:25:23 PM	ALG-15	EAC	UN	SCB	2,377	194,322
P00866318-1	12/23/2022	4:30:48 PM	BHS-12	EAA	TV	OCO	133	78,377
P00866324-1	12/23/2022	4:32:13 PM	BLA-13	EAA	TV	OFU	-	4,007
P00866357-1	12/23/2022	4:39:54 PM	HOB-15	EBI	TV	SCB	1,409	76,060
P00866333-1	12/23/2022	4:40:08 PM	ELD-27	ECC	TV	OCN	1	203
P00866362-1	12/23/2022	4:46:23 PM	BLA-13	EAA	TV	OCO	24	21,028
P00866364-1	12/23/2022	4:48:44 PM	VWY-15	EAA	EF	OCO	116	7,129
P00866365-1	12/23/2022	4:49:16 PM	GRI-15	ECC	TV	OFU	86	21,261
P00866375-1	12/23/2022	5:01:47 PM	SEM-15	EAA	TV	OCO	175	217,975
P00866377-1	12/23/2022	5:01:52 PM	MCW-15	ECE	EF	USV	1	1,632
P00866376-1	12/23/2022	5:01:53 PM	SNQ-15	EBD	TV	OHR	95	35,427
P00866390-1	12/23/2022	5:10:53 PM	NUG-26	EAA	TV	OFU	32	14,775
P00866392-1	12/23/2022	5:16:23 PM	NUG-26	EAA	TV	OHR	334	67,613
P00866416-1	12/23/2022	5:31:09 PM	TOL-17	EBD	TV	OTF	1	1,020
P00866418-1	12/23/2022	5:33:29 PM	BRI-17	EAA	TV	OHR	709	190,815
P00866422-1	12/23/2022	5:42:13 PM	SCH-13	EAA	TV	OCO	22	45,968
P00866424-1	12/23/2022	5:45:01 PM	BLA-13	EAA	TV	OFU	-	29,701
P00866428-1	12/23/2022	5:49:31 PM	BRI-17	EAA	TV	OFU	13	2,098
P00866430-1	12/23/2022	5:51:25 PM	BCH-13	EAA	TV	OCO	129	85,288
P00866431-1	12/23/2022	5:52:01 PM	HOB-15	EBI	TV	OFU	23	2,031
P00866452-1	12/23/2022	6:24:23 PM	BLA-12	EAA	EF	OCR	1	2,587
P00866815-1	12/23/2022	6:25:15 PM	BLA-13	EAA	TV	OFU	100	133,435
P00866455-1	12/23/2022	6:25:20 PM	WIN-12	ECE	TV	OCO	45	3,337
P00866457-1	12/23/2022	6:27:30 PM	CAS-15	EBH	EF	UPT	3	3,058
P00866535-1	12/23/2022	6:29:10 PM	BHS-13	EAA	TV	OCO	1,096	326,930
P00866460-1	12/23/2022	6:30:48 PM	HAN-13	EAA	TV	OCO	292	74,577
P00866475-1	12/23/2022	6:55:36 PM	SCH-15	EAA	TV	OCO	139	213,659
P00866480-1	12/23/2022	6:56:41 PM	BCH-16	EAA	TV	OCO	72	48,191
P00866485-1	12/23/2022	7:05:44 PM	BCH-16	EAA	TV	OCO	1	1,199
P00866487-1	12/23/2022	7:09:05 PM	NBE-15	EBD	TV	OFU	13	6,196
P00866492-1	12/23/2022	7:16:05 PM	BRI-15	EAA	TV	OFU	160	95,888
P00866501-1	12/23/2022	7:17:54 PM	BLA-13	EAA	TV	OCO	45	99,489

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00866509-1	12/23/2022	7:31:26 PM	HAN-13	EAA	TV	OCO	9	24,298
P00866510-1	12/23/2022	7:38:06 PM	HAN-16	EAA	TV	OCO	15	29,859
P00866511-1	12/23/2022	7:38:37 PM	MTV-13	EAC	EF	USV	1	232
P00866512-1	12/23/2022	7:39:36 PM	NBE-12	EBD	TV	OCO	4	3,484
P00866515-1	12/23/2022	7:44:05 PM	BCH-16	EAA	TV	OCO	1	2,495
P00866527-1	12/23/2022	8:05:05 PM	CPV-13	EAD	UN	OTF	1	206
P00866529-1	12/23/2022	8:10:11 PM	VWY-12	EAA	TV	OCO	22	53,719
P00866536-1	12/23/2022	8:32:09 PM	BLA-12	EAA	TV	OCO	35	78,890
P00866542-1	12/23/2022	8:44:14 PM	NUG-26	EAA	TV	OPO	3	7,030
P00866544-1	12/23/2022	8:51:51 PM	GRA-17	EBJ	EF	UPT	14	9,209
P00866552-1	12/23/2022	9:03:38 PM	SCH-13	EAA	TV	OCO	-	2,469
P00866553-1	12/23/2022	9:05:02 PM	HAN-15	EAA	TV	OCR	64	106,923
P00866554-1	12/23/2022	9:12:31 PM	BLA-13	EAA	TV	OFU	5	12,453
P00866556-1	12/23/2022	9:17:40 PM	PLY-16	EAA	TV	OCO	30	30,716
P00866557-1	12/23/2022	9:22:49 PM	HAN-12	EAA	TV	OCO	54	46,766
P00866561-1	12/23/2022	9:30:38 PM	VAS-13	EBL	TV	OCO	66	1,569
P00866576-1	12/23/2022	9:47:29 PM	LAU-12	EAA	ND	OCO	625	160,735
P00866578-1	12/23/2022	9:52:56 PM	LAB-23	EAA	EF	UPC	17	37,840
P00866585-1	12/23/2022	10:00:34 PM	BCH-16	EAA	TV	OCO	772	242,086
P00866664-1	12/23/2022	10:17:58 PM	HAN-12	EAA	TV	OCO	41	17,355
P00866599-1	12/23/2022	10:39:22 PM	NBE-16	EBD	TV	OCO	32	53,565
P00866607-1	12/23/2022	10:48:49 PM	BHS-13	EAA	TV	OCO	131	51,278
P00866615-1	12/23/2022	11:29:20 PM	HAN-16	EAA	TV	OCO	214	150,879
P00866620-1	12/23/2022	11:40:54 PM	BLA-13	EAA	TV	OCO	102	151,182
P00865614-1	12/23/2022	11:42:02 PM	CHI-12	ECD	TV	OCO	1	9
P00866623-1	12/23/2022	11:43:14 PM	PIP-22	EBI	EF	USC	1	773
P00866671-1	12/23/2022	11:55:12 PM	SCH-13	EAA	TV	OIN	1,310	765,515

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

Timeline: Freezing rain falls across western Washington. Here's what to expect

A glaze of ice is expected to bring significant impacts to western Washington overnight.

Author: Christopher Nunley, KING 5 News
Published: 10:12 AM PST December 22, 2022
Updated: 6:58 PM PST December 23, 2022

SEATTLE — A winter storm that lingered through Friday is subsiding in western Washington.

A Winter Storm Warning expired for the Puget Sound region at 7 p.m.

The combination of snow from earlier this week, freezing rain and gusty winds this led to significant travel disruptions on roadways and at the airport. Tree and powerline damages are possible, leading to localized power outages this morning and afternoon.

Timeline
Friday afternoon
The transition to rain occurs in Seattle and Everett around lunchtime and for most of western Washington. Only a few areas will hold on to the wintry precipitation through the early afternoon.

Despite freezing rain changing to rain, icy conditions could linger well into the afternoon hours as the ice will be slow to melt. This is why the area is under a Winter Storm Warning until this evening.

Snow levels climb to around 5,000 feet late today for the mountains so many of the passes see rain late tomorrow.

Accumulations
Additional freezing rain accumulations occurred Friday morning with most areas receiving up to additional 0.05 inches of freezing rain with potentially 0.10 inches in the Cascade foothill communities.

Freezing rain "ice" hazards
While these totals don't look impressive, it does not take much freezing rain to cause significant travel disruptions on roadways at airports.

As little as a trace to 0.25 inches can cause moderate impacts with over 0.25 inches causing high or severe impacts. Parts of western Washington are forecast to see upwards of 0.25 to 0.30 inches. This can not only cause travel disruptions but can snap tree branches and powerlines.

With the very frigid temperatures experienced in western Washington over the past 48 to 72 hours, the ground and other objects are very cold so any freezing rain that falls will quickly accumulate.

Wind gust outlook
The ice accumulation weight on trees and powerlines will be exacerbated by the breeze today. Wind gusts between 15 to 30 miles per hour add to the stress of the ice weight on powerlines and trees. This could lead to some minor tree damage and isolated power outages especially in King and Snohomish counties.

Rain in full force as Western Washington recovers from ice storm

By Meteorologist Ilona McCauley, KIRO 7 News and KIRO 7 News Staff
December 24, 2022 at 8:42 am PST

THE HIGHLIGHTS
Heavy rain on Saturday with urban flooding from snow, ice and blocked drains
Heavy ice coming to the passes, along with snow, to start the Christmas weekend
WESTERN WASHINGTON — Freezing rain in areas of Western Washington shut down runways at Sea-Tac Airport, suspended public transportation, caused road and freeway closures and cut power to thousands amid icy conditions on Friday.

Sowers of rain will be around Saturday morning in the lowlands as a another weather system increases and moves in from the west. This will bring heavy rain to the lowlands, especially in the afternoon. This rainfall will serve to help melt snow and ice, but there is so much frozen stuff piled up in spots that water is likely to be blocked from draining, creating issues with urban flooding on roadways and flooding around homes where water will pool. Clear your storm drains and other drainages of snow and ice if possible before the heavy rain on Saturday.

Winds will also be on the increase on Saturday and a Wind Advisory is up for Saturday for the coast and north/west of Everett where wind gusts over 50mph will be common. Elsewhere, wind gusts of 30mph can be expected. There will also be abnormally high tides (for Seattle around 6 a.m. and 4 p.m. Saturday) and we could see some tidal overwash and minor coastal flooding in locations susceptible to southerly/southwesterly winds.

In the passes, a quarter inch or more of ice in the form of freezing rain is expected through Saturday, so this is a particular danger and obstacle for pass travelers. In addition, snow will fall especially at Stevens Pass along with bouts of ice.

Stevens Pass is closed due to freezing rain and icy conditions with no estimated time for reopening as of 8 a.m. Travelers should be aware that even though the thaw will really be on Saturday around the lowlands of Western Washington, traveling into the mountains and east will be very difficult Saturday and even into Christmas Day.

In addition to the poor road conditions, avalanche danger is high on the east slopes of the Cascades from around Chelan to south of I-90.

For Christmas in the lowlands, expect occasional rain showers but not the heavy rain of Saturday. Highs will be around 50.

On Monday and Tuesday next week, more heavy rain is ahead with an atmospheric river associated with a large low pressure system in the Pacific. Rivers will be on the rise and even the passes will have just rain early next week.

The lowlands could receive 3-5 inches of rain by New Year’s weekend, with more in some upslope locations in the Cascades and Olympics.