



2014
Qualifying Events Report
November 29, 2014 Event

Filed on February 20, 2015

Table of Contents

Table of Contents	2
Event Description	3
Event Date and Time.....	3
Event Type	3
Service Areas Significantly Affected	3
Number of Customers Affected	3
Summary of System Impacts	3
Mobilization Summary	3
Active Outage Event Chart	4
Major Event Day – Qualification	5
Qualified Events - 2014	5
Current Event – Calculation Detail	5
YTD Daily SAIDI Detail	5
Event Restoration – Cost Summary	6
YTD Storm Restoration Costs Detail	6
Detail Documents	7
Restoration Cost Detail – Current Event.....	8
Detailed List of Outages Starting on November 29, 2014, the First T _{MED} -Exceeding Day of the Current Event	9
Terms, Codes and Definitions Used on Detail Reports	16
Media & Communication Coverage	17

Event Description

Event Date and Time

November 29, 2014, 07:00 – November 30, 2014, 16:30

Event Type

Wind

Service Areas Significantly Affected

Whatcom, Skagit, Island and Kitsap Counties, and Vashon Island

Number of Customers Affected

System wide, approximately 55,788 customers were without power during the course of this event.

Summary of System Impacts

Total Number of Outages	261
Distribution Circuits Totally Out	5
Distribution Circuits Partially Out	256
Transmission Circuits Affected	0
Substations Offline	0

Mobilization Summary

Operating Bases Placed In Emergency Status

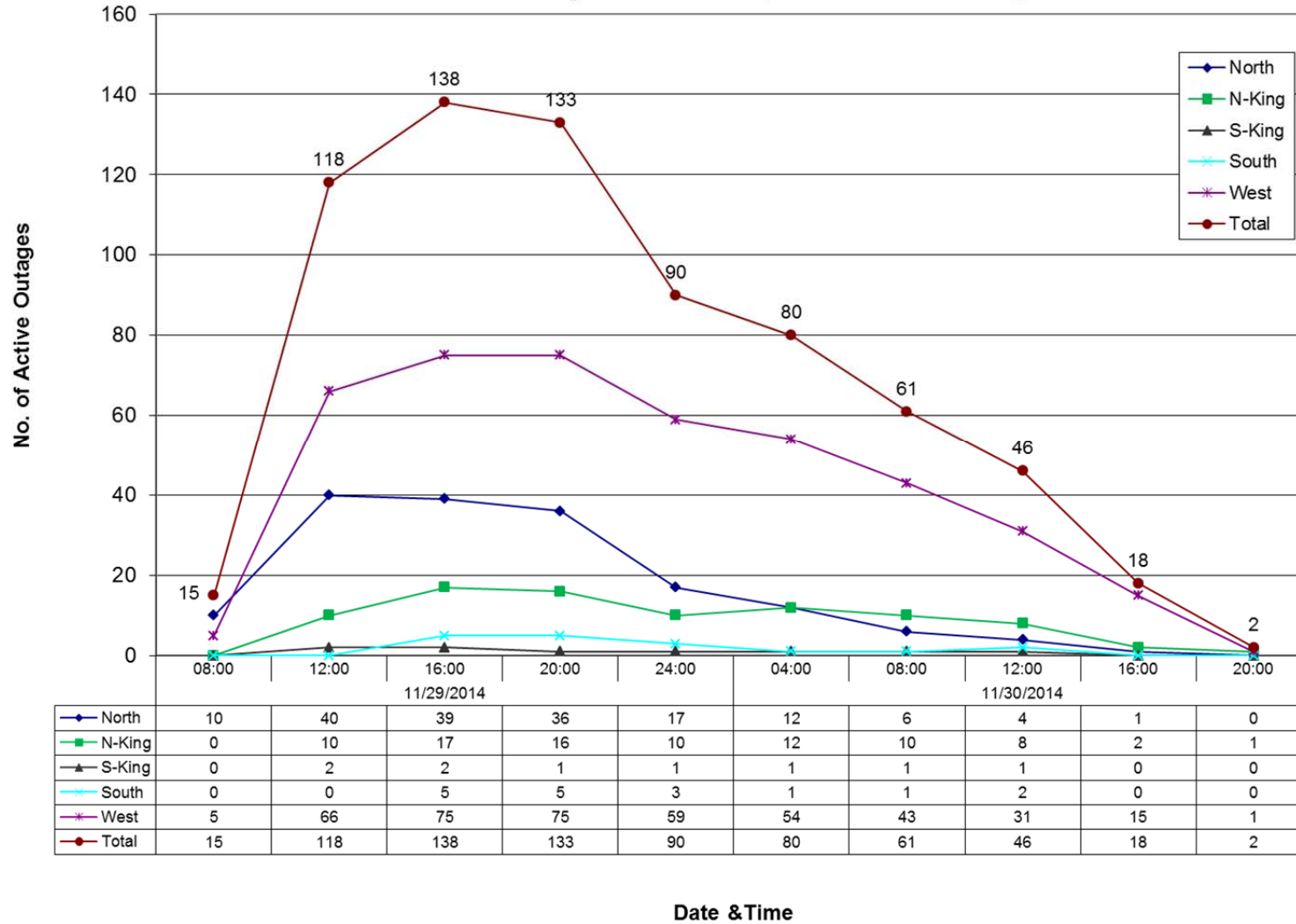
Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom/Skagit/Island	11/29/2014	09:00	11/30/2014	11:00
North King	n/a	n/a	n/a	n/a
South King	n/a	n/a	n/a	n/a
Pierce	n/a	n/a	n/a	n/a
Thurston	n/a	n/a	n/a	n/a
Kitsap	11/29/2014	10:30	11/30/2014	18:30
Vashon	11/29/2014	10:30	11/30/2014	18:30
Kittitas	n/a	n/a	n/a	n/a

Emergency Coordination Center (ECC)

ECC	Date Opened	Time Opened	Date Closed	Time Closed
	n/a	n/a	n/a	n/a

Active Outage Event Chart

Number of Active Outages - 11/29/2014, 07:00 to 11/30/2014, 16:30



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 > Tmed is a major event day

Puget Sound Energy's IEEE Major Event Threshold (T_{MED}) for 2014: 5.6 Minutes

Qualified Events - 2014

Current Event – Calculation Detail

Event Date, Time Range	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
11/29/2014, 07:00 – 11/30/2014,16:30	12,024,608	1,106,880	10.86

YTD Daily SAIDI Detail

(first day that daily SAIDI exceeded PSE's T_{MED} of 5.6 Minutes by qualifying event)

Date	Daily SAIDI (from midnight to midnight)	O&M ³ Costs– Deferrable Accumulation
1-11-2014	41.62 (r)	\$ 4,446,568
2-12-2014	9.01 (r)	\$ 595,642
2-23-2014	8.4 (r)	\$ 1,287,276
10-25-2014	93.38	\$ 1,670,514
11-11-2014	86.48	\$ 0
11-29-2014	13.51	\$ 0

¹ IEEE: Institute of Electrical and Electronics Engineers

² SAIDI: System Average Interruption Duration Index

³ O&M: Operations and Maintenance

(r): Revised

Event Restoration – Cost Summary

Restoration Costs Detail by Qualifying Event (updated)

Event Date Range	Qualified Events Deferred Account	Capital Costs	O&M Costs Not Deferrable	O&M Costs Deferrable Accumulation	Total O&M Costs	Total
1/11-12//2014		\$472,000	\$358,555	\$4,446,568	\$4,805,123	\$5,277,123
2/12-13/2014		\$65,959	\$44,121	\$595,642	\$639,763	\$705,722
2/23-25/2014		\$86,871	\$97,208	\$1,287,276	\$1,384,484	\$1,471,355
10/25-28/2014	\$2,334,277 (r)	\$329,739	\$263,314	\$1,670,514	\$1,933,828	\$4,597,844(r)
11/11-15/2014	\$7,583,163 (r)	\$680,496 (r)	\$309,030	\$-	\$309,030	\$8,572,689(r)
11/29-30/2014	\$1,193,815	\$62,760	\$76,149	\$-	\$76,149	\$1,332,723

(r) Revised

YTD Storm Restoration Costs Detail

Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
\$11,111,254	\$1,697,824	\$1,148,378	\$8,000,000	\$9,148,378	\$21,957,456

Detail Documents

Restoration Cost Detail – Current Event

Detailed List of Distribution Circuits with Outages

Terms, Codes and Definitions Used on Detail Reports

Newsprint Media Coverage

Restoration Cost Detail – Current Event

Puget Sound Energy						
November 29, 2014 - Storm Damage Repair Costs						
	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor						
Regular Time	\$ -	\$ 151	\$ -	\$ 30,484	\$ 30,484	\$ 30,635
Overtime	\$ -	\$ -	\$ -	\$ 141,348	\$ 141,348	\$ 141,348
Total Labor	\$ -	\$ 151	\$ -	\$ 171,832	\$ 171,832	\$ 171,983
Labor OH	\$ -	\$ 118	\$ (66,760)	\$ 155,659	\$ 88,899	\$ 89,017
Materials	\$ -	\$ 17,828	\$ -	\$ 52,669	\$ 52,669	\$ 70,497
Contractors	\$ -	\$ 38,458	\$ -	\$ 920,064	\$ 920,064	\$ 958,521
Other Direct Charges	\$ -	\$ -	\$ -	\$ 8,139	\$ 8,139	\$ 8,139
Fleet	\$ -	\$ 10	\$ -	\$ 20,186	\$ 20,186	\$ 20,196
Other Assessments	\$ -	\$ 6,194	\$ 142,909	\$ (134,734)	\$ 8,175	\$ 14,369
Deferred Expenses	\$ 1,193,815	\$ -	\$ -	\$ (1,193,815)	\$ (1,193,815)	\$ -
	\$ 1,193,815	\$ 62,760	\$ 76,149	\$ -	\$ 76,149	\$ 1,332,723

Detailed List of Outages Starting on November 29, 2014, the First T_{MED}-Exceeding Day of the Current Event

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00135357-1	11/29/2014	12:05:48 AM	KNM-25	EBD	OE	USV	1	77
P00135358-1	11/29/2014	12:18:48 AM	BHL-15	ECE	EF	UPC	5	3,422
P00135359-1	11/29/2014	12:51:49 AM	BRO-15	EAD	TV	OCO	0	1,832
P00135378-1	11/29/2014	12:54:00 AM	YEL-27	ECC	CP	OPO	2,815	22,146
P00135360-1	11/29/2014	12:54:57 AM	YEL-27	ECC	CP	OPO	597	394,275
P00135388-1	11/29/2014	1:39:02 AM	LYN-24	EAA	TV	OCO	16	2,647
P00135390-1	11/29/2014	2:00:29 AM	ETN-15	EBH	EF	USV	1	147
P00135392-1	11/29/2014	2:19:00 AM	SLA-17	EAA	TV	OCO	1,731	297,653
P00135396-1	11/29/2014	3:21:42 AM	HAN-13	EAA	TV	OCO	21	9,623
P00135397-1	11/29/2014	3:22:37 AM	BHS-12	EAA	OD	OTF	2	116
P00135398-1	11/29/2014	3:24:21 AM	LGY-15	EAD	TV	OFU	46	3,833
P00135402-1	11/29/2014	3:47:00 AM	SCH-15	EAA	TV	OCO	47	52,139
P00135405-1	11/29/2014	4:13:37 AM	LGY-15	EAD	TV	OFU	68	7,515
P00135410-1	11/29/2014	4:23:49 AM	ROE-13	EAA	TV	OFU	96	11,606
P00135408-1	11/29/2014	4:26:00 AM	HAN-16	EAA	TV	OCO	18	12,520
P00135420-1	11/29/2014	4:47:27 AM	SLA-16	EAA	OD	OCO	17	11,561
P00135413-1	11/29/2014	4:48:19 AM	BRO-16	EAD	TV	OCO	19	28,923
P00135414-1	11/29/2014	4:56:14 AM	PGA-13	ECE	TV	OCO	70	10,428
P00135415-1	11/29/2014	4:58:49 AM	BRO-16	EAD	TV	OCO	7	5,688
P00135421-1	11/29/2014	5:25:53 AM	CUS-15	EAA	TV	OCO	42	7,571
P00135428-1	11/29/2014	5:31:00 AM	LGY-12	EAD	TV	OCO	1,379	181,350
11155862	11/29/2014	5:47:00 AM	KEN-12	EAA	TV	SBF	3,423	256,853
P00135552-1	11/29/2014	5:58:00 AM	KIN-24	ECE	TV	OCO	1,631	623,084
11154344	11/29/2014	6:13:00 AM	VAS-22	EBL	TV	OSV	1	169
P00135542-1	11/29/2014	6:19:00 AM	SLA-16	EAA	TV	OCO	272	296,335
P00135447-1	11/29/2014	6:23:35 AM	FLD-13	EAD	TV	OFU	33	5,187
P00135452-1	11/29/2014	6:29:01 AM	BRO-15	EAD	TV	OCO	238	97,430
P00135454-1	11/29/2014	6:29:08 AM	KIN-24	ECE	UN	OCO	35	3,530
P00135650-1	11/29/2014	6:30:39 AM	KIN-21	ECE	TV	OCO	18	2,472
P00135460-1	11/29/2014	6:33:00 AM	KIN-24	ECE	TV	OCO	636	572,269
P00135757-1	11/29/2014	6:37:44 AM	LGY-15	EAD	TV	OFU	15	3,313
P00135462-1	11/29/2014	6:38:30 AM	PGA-13	ECE	TV	OCO	41	4,811
P00135464-1	11/29/2014	6:40:54 AM	POU-15	ECE	TV	OCO	1,446	309,457
P00135487-1	11/29/2014	6:48:00 AM	KIN-24	ECE	UN	OCO	41	41,390
P00135470-1	11/29/2014	6:49:02 AM	SAH-13	EBD	EF	USV	1	221
P00135472-1	11/29/2014	6:50:26 AM	SKE-23	ECE	TV	OCO	20	34,927
P00135475-1	11/29/2014	6:53:50 AM	PMA-16	ECE	TV	OCO	139	135,242
11160732	11/29/2014	6:56:00 AM	PMA-16	ECE	TV	OCO	295	348,040

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00135526-1	11/29/2014	7:02:01 AM	LGY-16	EAD	TV	OFU	38	8,770
P00135485-1	11/29/2014	7:05:01 AM	MIL-23	ECE	UN	OCO	20	27,447
P00135489-1	11/29/2014	7:10:19 AM	LGY-16	EAD	TV	OFU	70	36,407
P00135490-1	11/29/2014	7:12:02 AM	ROE-13	EAA	EF	OPI	44	11,127
P00135499-1	11/29/2014	7:13:00 AM	BRS-24	EAC	TV	OCO	330	217,124
P00135495-1	11/29/2014	7:14:00 AM	SCH-12	EAA	EF	OFC	52	17,139
P00135506-1	11/29/2014	7:27:00 AM	LAB-25	EAA	TV	OFU	91	64,701
P00135507-1	11/29/2014	7:33:00 AM	HAN-13	EAA	TV	OTR	1	1,229
P00135508-1	11/29/2014	7:35:00 AM	BRO-16	EAD	TV	OCO	4	7,424
P00135510-1	11/29/2014	7:36:32 AM	FLD-12	EAD	TV	OFU	22	10,135
P00135668-1	11/29/2014	7:43:00 AM	KIN-21	ECE	TV	OCO	220	168,873
P00136805-1	11/29/2014	7:49:00 AM	PMA-15	ECE	TV	OSV	2	960
P00135541-1	11/29/2014	7:49:00 AM	PMA-15	ECE	TV	OSV	2	5,795
P00135639-1	11/29/2014	7:52:27 AM	LGY-16	EAD	TV	OFU	5	2,998
P00135548-1	11/29/2014	7:54:40 AM	PGA-13	ECE	TV	OCO	5	1,347
P00135553-1	11/29/2014	8:01:02 AM	MIL-23	ECE	TF	OCO	2	3,478
P00135554-1	11/29/2014	8:01:56 AM	LGY-12	EAD	TV	OCO	55	47,589
P00135556-1	11/29/2014	8:02:00 AM	CHR-23	ECE	TV	OCO	125	102,725
P00135559-1	11/29/2014	8:05:00 AM	LGY-12	EAD	TV	OCO	15	7,203
P00135560-1	11/29/2014	8:06:14 AM	BHL-13	ECE	UN	OFU	44	24,706
P00135562-1	11/29/2014	8:11:00 AM	MUR-13	ECE	TV	OCO	27	45,738
P00135565-1	11/29/2014	8:18:27 AM	MUR-13	ECE	TV	OCO	27	10,494
P00135566-1	11/29/2014	8:19:27 AM	SKI-12	EBD	BA	OTF	7	4,975
P00135569-1	11/29/2014	8:20:00 AM	SWD-13	ECE	TV	OCO	113	34,528
P00135572-1	11/29/2014	8:23:18 AM	MUR-13	ECE	TV	OCO	30	13,146
P00135578-1	11/29/2014	8:27:18 AM	SLA-16	EAA	TV	OCO	57	63,950
P00135581-1	11/29/2014	8:32:02 AM	ROS-15	EBD	TV	OCO	41	35,259
P00135582-1	11/29/2014	8:32:07 AM	ANA-15	EAC	TV	OSV	1	775
P00135607-1	11/29/2014	8:35:00 AM	FNW-16	ECD	UN	OCO	25	35,594
P00136234-1	11/29/2014	8:35:23 AM	FNW-16	ECD	TV	OHR	1,194	303,495
P00135727-1	11/29/2014	8:39:27 AM	VIS-26	EAA	TV	OCO	49	35,195
P00135816-1	11/29/2014	8:40:35 AM	SIN-23	ECD	TV	OCO	938	454,531
P00135629-1	11/29/2014	8:41:59 AM	PGA-12	ECE	TV	OTR	2	2,415
P00135635-1	11/29/2014	8:42:00 AM	CHI-12	ECD	TF	OCO	15	20,843
P00135648-1	11/29/2014	8:44:00 AM	MIL-16	ECE	TV	OCO	137	226,582
P00135714-1	11/29/2014	8:44:12 AM	LGY-16	EAD	TV	OFU	21	13,261
P00136586-1	11/29/2014	8:46:00 AM	MIL-17	ECE	TV	OCO	164	135,849
P00135670-1	11/29/2014	8:46:37 AM	PMA-12	ECE	TV	OCO	106	126,817
P00135656-1	11/29/2014	8:47:00 AM	CHI-13	ECD	TV	OCO	126	150,186
P00135456-1	11/29/2014	8:48:26 AM	KIN-21	ECE	TV	OCO	18	13,618
P00135712-1	11/29/2014	8:51:00 AM	MIR-13	EBF	TV	OCO	157	237,214

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00135679-1	11/29/2014	8:53:00 AM	BTR-22	EBD	TV	OCO	738	472,910
P00135683-1	11/29/2014	8:54:00 AM	MIL-22	ECE	TV	OCO	675	260,376
P00135680-1	11/29/2014	8:54:12 AM	PGA-12	ECE	UN	OTR	145	3,715
P00136706-1	11/29/2014	8:55:46 AM	MIL-22	ECE	TV	OCO	15	5,798
P00135710-1	11/29/2014	8:59:16 AM	MUR-13	ECE	TV	OSV	1	417
P00135717-1	11/29/2014	9:03:49 AM	BRW-16	EAC	TV	OCO	2,566	108,585
P00135957-1	11/29/2014	9:06:17 AM	PGA-13	ECE	TV	OCO	2	2,890
P00135722-1	11/29/2014	9:11:15 AM	WIN-13	ECE	TV	OTR	1	1,093
P00135723-1	11/29/2014	9:12:19 AM	BAK-22	EAA	TV	OSV	1	806
P00135737-1	11/29/2014	9:29:36 AM	ROE-17	EAA	TV	OSV	1	666
P00135741-1	11/29/2014	9:32:27 AM	RPT-15	ECD	TV	OSV	1	1,515
P00135743-1	11/29/2014	9:33:02 AM	SCH-16	EAA	TV	OSV	1	323
P00135746-1	11/29/2014	9:36:46 AM	MAN-16	ECD	TV	OCO	73	42,633
P00135749-1	11/29/2014	9:37:00 AM	BAK-25	EAA	TV	OPO	1,272	318,275
P00135751-1	11/29/2014	9:39:47 AM	SKE-23	ECE	TV	OCO	629	86,728
P00135755-1	11/29/2014	9:43:28 AM	MUR-17	ECE	TV	OCO	1,668	410,523
P00135758-1	11/29/2014	9:45:02 AM	TAN-16	ECC	UN	OFU	1	87
P00135761-1	11/29/2014	9:48:54 AM	NNO-15	EBJ	TV	OSV	1	197
P00135765-1	11/29/2014	9:52:12 AM	FNW-15	ECD	TV	OCO	9	7,762
P00136916-1	11/29/2014	9:54:47 AM	VAS-13	EBL	TV	OCO	11	5,877
P00135770-1	11/29/2014	9:55:02 AM	PMA-12	ECE	TV	OCO	1	804
P00135773-1	11/29/2014	9:57:40 AM	BRI-17	EAA	TV	OSV	10	6,700
P00135780-1	11/29/2014	10:02:41 AM	LYN-24	EAA	EF	OTF	3	1,888
P00135782-1	11/29/2014	10:02:52 AM	MER-13	EBE	EF	OCR	22	11,996
P00135795-1	11/29/2014	10:03:10 AM	PMA-12	ECE	UN	OCO	105	52,062
P00135787-1	11/29/2014	10:03:47 AM	FLD-12	EAD	TV	OHR	828	17,001
P00136159-1	11/29/2014	10:10:33 AM	TLN-0063	ECE	TV	OCO	5,724	1,775,444
P00135806-1	11/29/2014	10:12:27 AM	BRO-16	EAD	UN	OFU	159	21,174
P00135807-1	11/29/2014	10:12:55 AM	NHL-16	EBD	TV	OSV	1	851
P00136214-1	11/29/2014	10:13:00 AM	BRW-15	EAC	TV	OCR	1,519	270,792
P00135811-1	11/29/2014	10:14:00 AM	MAN-12	ECD	TV	OCO	3	3,884
P00135818-1	11/29/2014	10:15:26 AM	HLC-23	EAD	TV	OCO	1,101	219,338
P00135829-1	11/29/2014	10:15:37 AM	LGY-16	EAD	TV	OFU	42	14,027
P00135823-1	11/29/2014	10:17:46 AM	SHE-15	ECE	TV	OCO	2,239	229,514
P00135819-1	11/29/2014	10:18:00 AM	POU-15	ECE	TV	OCO	30	26,422
P00135836-1	11/29/2014	10:22:13 AM	SKE-22	ECE	TV	OFU	77	23,427
P00135834-1	11/29/2014	10:26:32 AM	FLD-12	EAD	TV	OCO	83	20,080
P00135888-1	11/29/2014	10:31:00 AM	SUM-21	EAC	TV	OCO	14	7,522
P00135847-1	11/29/2014	10:31:00 AM	KIN-22	ECE	EF	OTR	2	1,452
P00135849-1	11/29/2014	10:31:26 AM	WOB-27	EAA	TV	OSV	1	594
P00135854-1	11/29/2014	10:32:02 AM	BRW-13	EAC	TV	OCO	1,669	166,951

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00135859-1	11/29/2014	10:33:47 AM	PMA-15	ECE	TV	OCO	1,268	401,758
P00136797-1	11/29/2014	10:35:30 AM	PMA-15	ECE	TV	OCO	3	24,186
P00135862-1	11/29/2014	10:40:00 AM	WOB-26	EAA	TV	OCO	51	18,002
P00135863-1	11/29/2014	10:40:17 AM	SIL-13	ECE	TV	OCO	611	69,929
P00135864-1	11/29/2014	10:40:26 AM	HAN-16	EAA	EF	OFU	11	2,682
P00135875-1	11/29/2014	10:41:54 AM	SHE-25	ECE	UN	OTR	10	6,424
P00135896-1	11/29/2014	10:47:18 AM	SHE-17	ECE	UN	OTR	6	3,758
P00135902-1	11/29/2014	10:48:49 AM	LAT-14	EBJ	TV	OHR	414	38,240
P00137152-1	11/29/2014	10:50:00 AM	WIN-12	ECE	TV	OCO	9	7,365
P00135911-1	11/29/2014	10:50:22 AM	SHE-16	ECE	TV	OSV	1	604
P00135916-1	11/29/2014	10:51:01 AM	HAN-16	EAA	TV	OCO	29	4,600
P00135923-1	11/29/2014	10:54:00 AM	FRA-12	ECD	TV	OFU	2	3,364
P00136261-1	11/29/2014	11:02:00 AM	LGY-16	EAD	TV	OCO	1,889	431,510
P00135933-1	11/29/2014	11:02:00 AM	POU-15	ECE	TV	OCO	16	23,718
P00135943-1	11/29/2014	11:06:25 AM	KIN-23	ECE	UN	OCO	162	15,428
P00136202-1	11/29/2014	11:09:08 AM	KNM-26	EBD	TV	OCO	82	25,715
P00135948-1	11/29/2014	11:10:44 AM	KIN-24	ECE	UN	OSV	2	2,593
P00135958-1	11/29/2014	11:14:00 AM	LGY-16	EAD	TV	OCO	4	3,687
P00135961-1	11/29/2014	11:16:28 AM	LAU-13	EAA	EF	UPT	10	4,698
P00135963-1	11/29/2014	11:17:35 AM	KIN-21	ECE	TV	OCN	2	1,280
P00135965-1	11/29/2014	11:19:08 AM	CEK-14	ECE	UN	OCO	2	1,382
P00135966-1	11/29/2014	11:19:29 AM	NUG-25	EAA	TV	OFU	47	7,844
P00135982-1	11/29/2014	11:23:07 AM	MUR-13	ECE	UN	OSV	1,384	18,362
P00135972-1	11/29/2014	11:24:40 AM	MIL-23	ECE	TV	OCO	46	28,569
P00135976-1	11/29/2014	11:25:58 AM	CHI-13	ECD	EO	OTR	2	3,125
P00135981-1	11/29/2014	11:27:46 AM	SCH-13	EAA	EF	OJU	1	204
P00135991-1	11/29/2014	11:29:07 AM	HAP-16	EAA	TV	OCO	10	5,071
P00136632-1	11/29/2014	11:29:13 AM	KIN-21	ECE	TV	OCO	15	3,861
P00136048-1	11/29/2014	11:32:10 AM	CWD-24	EBD	TV	OCO	87	19,537
P00136185-1	11/29/2014	11:35:50 AM	KIN-24	ECE	UN	OCO	75	27,739
P00136105-1	11/29/2014	11:36:00 AM	PMA-16	ECE	TV	OCO	22	27,037
P00136122-1	11/29/2014	11:37:00 AM	SUM-21	EAC	TV	OCO	496	97,688
P00136127-1	11/29/2014	11:38:05 AM	POU-15	ECE	TV	OCO	26	22,294
P00136132-1	11/29/2014	11:38:26 AM	SHE-16	ECE	UN	OTR	4	2,262
P00136161-1	11/29/2014	11:41:00 AM	FLD-12	EAD	TV	OCO	12	9,643
P00136173-1	11/29/2014	11:47:13 AM	FNW-16	ECD	TV	OCO	6	5,576
P00136176-1	11/29/2014	11:50:00 AM	KNM-26	EBD	TV	OTR	3	2,587
P00136180-1	11/29/2014	11:54:16 AM	MIL-23	ECE	UN	OTR	4	3,863
P00136190-1	11/29/2014	11:56:00 AM	PMA-16	ECE	UN	OCO	136	100,709
P00136191-1	11/29/2014	11:57:00 AM	TRA-26	ECE	UN	OSV	1	414
P00136195-1	11/29/2014	11:57:15 AM	DUV-13	EBD	TV	OCO	1,291	207,680

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00136193-1	11/29/2014	11:58:00 AM	MIL-23	ECE	TV	OTR	5	8,860
P00136194-1	11/29/2014	11:58:51 AM	PLY-15	EAA	TV	OSV	1	515
P00136203-1	11/29/2014	12:02:33 PM	PAT-15	ECC	EF	UFJ	25	9,073
P00136207-1	11/29/2014	12:03:54 PM	PMA-12	ECE	TV	OCO	68	18,707
P00136210-1	11/29/2014	12:06:11 PM	ROS-22	EBD	TV	OCO	1,079	133,299
P00136238-1	11/29/2014	12:06:59 PM	SKE-23	ECE	TV	OFU	115	29,446
P00136228-1	11/29/2014	12:13:00 PM	SUM-21	EAC	TV	OCO	15	9,562
P00136970-1	11/29/2014	12:14:00 PM	MED-33	EBE	TV	OCO	6	5,866
P00136233-1	11/29/2014	12:20:11 PM	FNW-15	ECD	TV	OCO	171	99,368
P00136240-1	11/29/2014	12:21:00 PM	PLG-13	ECC	UN	OCO	2	1,509
P00136251-1	11/29/2014	12:27:01 PM	SIL-16	ECE	UN	OFU	2	2,382
P00136342-1	11/29/2014	12:29:36 PM	WIN-12	ECE	TV	OCO	38	11,985
P00137161-1	11/29/2014	12:34:26 PM	MUR-13	ECE	TV	OCO	11	13,256
P00136332-1	11/29/2014	12:36:35 PM	CPV-15	EAD	OD	OHR	680	195,092
P00136588-1	11/29/2014	12:42:37 PM	KNM-23	EBD	TV	OCO	38	12,695
P00136339-1	11/29/2014	12:52:00 PM	HAN-15	EAA	TV	OPO	1	1,702
P00136345-1	11/29/2014	12:54:00 PM	SHE-26	ECE	TV	OCO	33	29,632
P00136372-1	11/29/2014	12:58:25 PM	FLD-12	EAD	TV	SBF	11,441	327,708
P00136384-1	11/29/2014	12:59:00 PM	CEK-15	ECE	TV	OFU	26	8,052
P00136420-1	11/29/2014	1:01:44 PM	NUG-25	EAA	EF	OTF	1	453
P00136527-1	11/29/2014	1:02:42 PM	BRO-15	EAD	TV	OFU	206	9,692
P00136440-1	11/29/2014	1:03:00 PM	FLD-13	EAD	TV	OCO	34	22,363
P00136568-1	11/29/2014	1:03:06 PM	LGY-15	EAD	TV	OCO	405	18,893
P00136545-1	11/29/2014	1:08:00 PM	DUV-12	EBD	TV	OCO	18	38,308
P00136988-1	11/29/2014	1:12:00 PM	BRW-15	EAC	TV	OCO	262	252,478
P00136548-1	11/29/2014	1:15:00 PM	LOC-23	EBE	EF	OCO	7	7,191
P00136554-1	11/29/2014	1:16:00 PM	BRW-15	EAC	TF	OCO	56	29,535
P00136562-1	11/29/2014	1:18:49 PM	HOU-23	EBD	EF	OSV	1	812
P00136567-1	11/29/2014	1:19:35 PM	KNM-26	EBD	TV	OCN	1	445
P00136591-1	11/29/2014	1:27:16 PM	KIN-21	ECE	TV	OCO	9	4,230
P00136618-1	11/29/2014	1:36:04 PM	BUC-26	ECA	EF	USV	1	154
P00136629-1	11/29/2014	1:40:00 PM	TRA-22	ECE	TV	OCO	66	59,453
P00136630-1	11/29/2014	1:40:51 PM	FRA-12	ECD	TV	OTR	7	1,114
P00136635-1	11/29/2014	1:42:16 PM	LGY-13	EAD	TV	OSV	1	7
P00136641-1	11/29/2014	1:43:00 PM	PMA-16	ECE	TV	OCO	1	1,551
P00136732-1	11/29/2014	1:43:48 PM	PMA-15	ECE	TV	OCO	3	4,258
P00136644-1	11/29/2014	1:45:18 PM	ANA-16	EAC	TV	OFU	4	1,071
P00136834-1	11/29/2014	1:45:54 PM	LOC-22	EBE	EF	UTC	41	12,535
P00136828-1	11/29/2014	1:50:52 PM	HLC-23	EAD	TV	OCO	569	282,006
P00136676-1	11/29/2014	2:02:21 PM	CHI-12	ECD	TV	OSV	1	1,165
P00136684-1	11/29/2014	2:05:11 PM	HIG-13	EBE	EO	OTF	7	3,431

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00136685-1	11/29/2014	2:05:28 PM	TRA-22	ECE	TV	OSV	5	2,258
P00136688-1	11/29/2014	2:08:00 PM	NRU-25	EBE	EF	USV	1	1,387
P00136698-1	11/29/2014	2:11:12 PM	FRA-12	ECD	TV	OCO	2	306
P00136751-1	11/29/2014	2:42:06 PM	LOL-21	ECD	TV	OCO	3	1,221
P00136907-1	11/29/2014	2:43:00 PM	CPV-15	EAD	TV	OPO	35	10,408
P00136757-1	11/29/2014	2:45:18 PM	TRA-23	ECE	TV	OCO	40	5,708
P00136763-1	11/29/2014	2:48:00 PM	RAI-13	ECC	EF	OPO	1	709
P00136778-1	11/29/2014	2:55:05 PM	PMA-12	ECE	TV	OFU	2	2,328
P00136784-1	11/29/2014	2:57:07 PM	MUR-13	ECE	TV	OCO	27	1,386
P00136785-1	11/29/2014	2:58:00 PM	PLG-16	ECC	TV	OTF	5	497
P00136792-1	11/29/2014	3:02:00 PM	PMA-12	ECE	TV	OCO	7	10,753
P00136833-1	11/29/2014	3:24:38 PM	MIL-22	ECE	UN	OCO	298	63,543
P00136824-1	11/29/2014	3:26:00 PM	BRW-15	EAC	TV	OCO	134	19,165
P00136837-1	11/29/2014	3:42:00 PM	LAT-14	EBJ	TV	OSV	2	1,433
P00136844-1	11/29/2014	3:54:55 PM	BEL-15	EBJ	EF	OCO	12	1,733
P00136845-1	11/29/2014	3:56:00 PM	ANA-15	EAC	TV	OTF	4	4,005
P00136851-1	11/29/2014	4:03:01 PM	HIG-16	EBE	EF	OTF	1	373
P00136853-1	11/29/2014	4:04:53 PM	CRE-12	EAD	TV	OSV	1	474
P00136855-1	11/29/2014	4:06:25 PM	LGY-16	EAD	TV	OFU	15	3,220
P00136861-1	11/29/2014	4:11:29 PM	RPT-17	ECD	UN	OSV	3	2,264
P00136940-1	11/29/2014	4:20:00 PM	SLA-16	EAA	TV	OCO	19	3,165
P00135465-1	11/29/2014	4:22:29 PM	LAB-25	EAA	TV	OSW	351	37,446
P00137062-1	11/29/2014	4:25:01 PM	KIN-22	ECE	TV	OCO	4	843
P00136880-1	11/29/2014	4:26:55 PM	BAK-25	EAA	UN	OTF	2	370
P00136889-1	11/29/2014	4:29:51 PM	CRE-12	EAD	TV	OTF	1	450
P00136892-1	11/29/2014	4:31:09 PM	VIS-23	EAA	EF	OFU	4	921
P00136917-1	11/29/2014	4:58:36 PM	FRA-12	ECD	TV	OCO	20	6,431
P00136921-1	11/29/2014	5:01:00 PM	MIL-16	ECE	TV	OCO	2	2,991
P00136926-1	11/29/2014	5:05:30 PM	VIS-26	EAA	UN	OFU	37	9,951
P00136935-1	11/29/2014	5:11:56 PM	TRA-23	ECE	OD	OCO	40	11,313
P00136937-1	11/29/2014	5:13:15 PM	PMA-15	ECE	EF	OCO	2	1,922
P00136939-1	11/29/2014	5:15:22 PM	MAN-16	ECD	EF	OTR	4	751
P00136952-1	11/29/2014	5:24:00 PM	BRO-16	EAD	TV	OCO	86	46,866
P00136956-1	11/29/2014	5:27:25 PM	CPV-15	EAD	EO	OFU	186	31,170
P00136964-1	11/29/2014	5:31:59 PM	PMA-12	ECE	TV	OCO	68	72,295
P00136981-1	11/29/2014	5:59:12 PM	MAN-12	ECD	TV	OTR	1	328
P00136982-1	11/29/2014	6:00:00 PM	KIN-24	ECE	TV	OCO	7	4,167
P00136993-1	11/29/2014	6:09:08 PM	MER-13	EBE	TV	OTF	3	779
P00136997-1	11/29/2014	6:12:58 PM	SOO-26	EBI	EF	OFC	5	614
P00137005-1	11/29/2014	6:21:00 PM	CEK-15	ECE	UN	OCO	1	171
P00137006-1	11/29/2014	6:27:00 PM	TRA-22	ECE	TV	OCO	1	1,059

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00137016-1	11/29/2014	6:53:33 PM	VAS-13	EBL	TV	OTR	11	2,394
P00137023-1	11/29/2014	7:00:00 PM	PAT-15	ECC	AO	UPT	3	749
P00137028-1	11/29/2014	7:13:02 PM	TRA-22	ECE	UN	UTR	9	1,407
P00137051-1	11/29/2014	7:31:00 PM	LAU-13	EAA	EF	UPT	15	3,646
P00137058-1	11/29/2014	7:52:18 PM	ORT-22	ECA	EF	PTF	1	264
P00137060-1	11/29/2014	7:52:48 PM	LLT-13	EBD	EO	UTC	3	931
11154328	11/29/2014	8:04:00 PM	CUS-15	EAA	CP	OPO	12	1,488
P00137075-1	11/29/2014	8:47:04 PM	KIN-24	ECE	UN	UPT	2	1,386
P00137104-1	11/29/2014	9:28:05 PM	HIG-16	EBE	EO	OTF	1	49
P00137114-1	11/29/2014	9:46:57 PM	VIS-26	EAA	TV	OCO	70	3,915
P00137119-1	11/29/2014	9:49:17 PM	KIN-24	ECE	TV	OCO	4	2,743
11160733	11/29/2014	10:15:00 PM	PMA-16	ECE	TV	OCO	60	17,040
P00137144-1	11/29/2014	10:17:50 PM	SIL-15	ECE	TV	OCO	2	658
P00137158-1	11/29/2014	10:20:00 PM	CWD-22	EBD	EF	UPC	37	20,188
P00137148-1	11/29/2014	10:22:00 PM	SWD-12	ECE	TV	OCO	46	29,061
P00135736-1	11/29/2014	10:28:57 PM	VWY-13	EAA	TV	OCO	1	61
P00135983-1	11/29/2014	11:22:36 PM	TRA-23	ECE	TV	OCO	9	4,757
P00137175-1	11/29/2014	11:24:04 PM	KIN-24	ECE	UN	UPT	4	1,932

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



Sent: Thursday, November 27, 2014 3:24 PM

Subject: **ACTION: Continued threat for wet and windy weather with possible flooding through Friday, then much colder with possible lowland snow Friday night and Saturday.**

National Weather Service, Seattle WA

This message is intended as an informational briefing for public safety decision makers. We ask that you continue to monitor latest information using the resources listed below. You are welcome to share this message with others in your organization.

SYNOPSIS:

Another frontal system will move southeast over western Washington tonight into Friday morning, bringing breezy to windy conditions in advance of it as well as yet another bout of rain. Rain amounts may be heavy mainly up in the mountains, which will give rise to another round of minor to moderate river flooding. Much colder modified arctic air will move in behind the front late Friday night and into Saturday. This cold air combined with moisture lingering over the area may give rise to the chance for mixed precipitation and snow in the lowlands. Surface high pressure behind the modified arctic front will also give rise to Fraser outflow winds, bringing cold and windy conditions to the San Juan Islands and western Whatcom County.

HEADLINES:

A Flood Warning remains in effect for the Skokomish River near Potlatch affecting Mason County and for the Skagit River near Concrete and Mt. Vernon affecting Skagit County.

A Flood Watch remains in effect for the following counties: Mason, Whatcom, Skagit, Snohomish, King, Pierce, Thurston and Lewis.

A High Wind Watch for Fraser outflow winds is in effect for San Juan county, western Whatcom county and coastal areas of Skagit county from Friday night into Saturday.

FORECAST SPECIFICS:

Flooding: Significant precipitation is expected to continue for the remainder of the day and into Friday. Terrain driven forcing will allow for heavier rains in the Olympics and Cascades through tonight. Upon passage of the front, the heavier rains will shift southward through the day Friday. Expected rainfall totals for the period Tonight through Friday afternoon range from one half inch to 2 inches of rainfall in the lowlands and 2 to 4 inches of rainfall in the higher terrain of the Olympics and Cascades. Rivers that have flooded or have come close to flood stage over the past 24 hours, including the Nooksack, Skagit, Stillaguamish, Skykomish, Tolt, Snoqualmie and Snohomish rivers will all face the risk of minor to moderate flooding as rain activity becomes more pronounced tonight and into Friday. No major flooding is expected at this time.

Wind: Breezy to windy conditions have been observed out ahead of the approaching front and will continue into Friday with the frontal passage. Once the front passes and surface high pressure begins to set up over southern British Columbia, Fraser outflow winds are expected to bring cold and windy conditions to western Whatcom county, coastal areas of Skagit County and the San Juans. **This has resulted in the High Wind Watch in effect for those areas for Friday night into Saturday for northeast winds of 25 to 40 mph with possible gusts up to 55 mph.**

Snow: Lingering moisture from the frontal passage combined with arctic air behind the front as well as some atmospheric convergence may result in lowland snow Friday night into Saturday for the north Puget Sound region and northwest interior, including areas along the Strait of Juan de Fuca. Some coastal and southwest interior locations may be impacted as well. Snowfall amounts will typically be an inch or less for most locations although isolated locations may see up to locally 2 inches.

KOMOnews.com

Saturday, Nov. 29, 2014 at 11:26PM

Power outages, strong winds follow overnight snowfall

By Scott Sistik, KOMO Staff

Snow, freezing temperatures and a gusty arctic wind combined to bring the season's first winter-type storm to Western Washington, knocking out power to thousands and causing some localized tidal flooding.

The morning began with the region's first lowland snow as a low pressure system dropped south out of British Columbia in the wake of a warm pattern that just 24 hours before had temperatures well into the 50s. About 1-3 inches fell across King, Snohomish, Kitsap and Clallam Counties, but reports were as high as 7 inches on Whidbey Island.



Once the snow began to taper off, a chilly arctic wind began to rage. Gusts reached 47 mph in Bellingham and 67 mph on Lummi Island. The winds spread south across Puget Sound and blasted the Sound's eastern shores with gusts over 40 mph. Alki Beach reported a gust of 48 mph while Magnolia's West Point hit a gust of 44 mph.

The winds toppled trees, causing power outages, including leaving thousands of Puget Sound Energy customers in the dark, especially in Skagit County.

But power was also knocked out at the Edmonds ferry dock just as the 1:30 p.m. ferry from Kingston was arriving, leaving officials unable to unload the vessel. The outage halted service on the Kingston-Edmonds run for two full hours before resuming around 4 p.m.

The strong winds on the Sound combined with high tide to cause localized flooding along the shores. A boat sank at Seabeck Marina with other boats damaged. The boardwalk at Des Moines' Redondo Beach was damaged by strong waves, while reports showed strong waves also appeared to damage the bulkhead in Edmonds near the Senior Center. Video also showed mammoth waves crashing against the seawall at Alki Beach. Water flooded several homes in Dash Point, and in Everett, Rotary Park was partially submerged as the Snohomish River reached flood stage.