



# 2012 Qualifying Events Report

December 16, 2012 Event

Filed on March 12, 2013

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## Event Description

### Date of event

December 16, 2012

### Event Type

Wind storm.

### Service Areas Affected

King and Thurston Counties

### Number of Customers Affected

Approximately 44,600 customers were without power over the course of this event.

### Summary of System Impacts

<b>Total Number of Outages</b>	<b>289</b>
Distribution Circuits Totally Out	18
Distribution Circuits Partially Out	271

Transmission Circuits Affected	3
Substations Totally Off-line	4

### Mobilization Summary

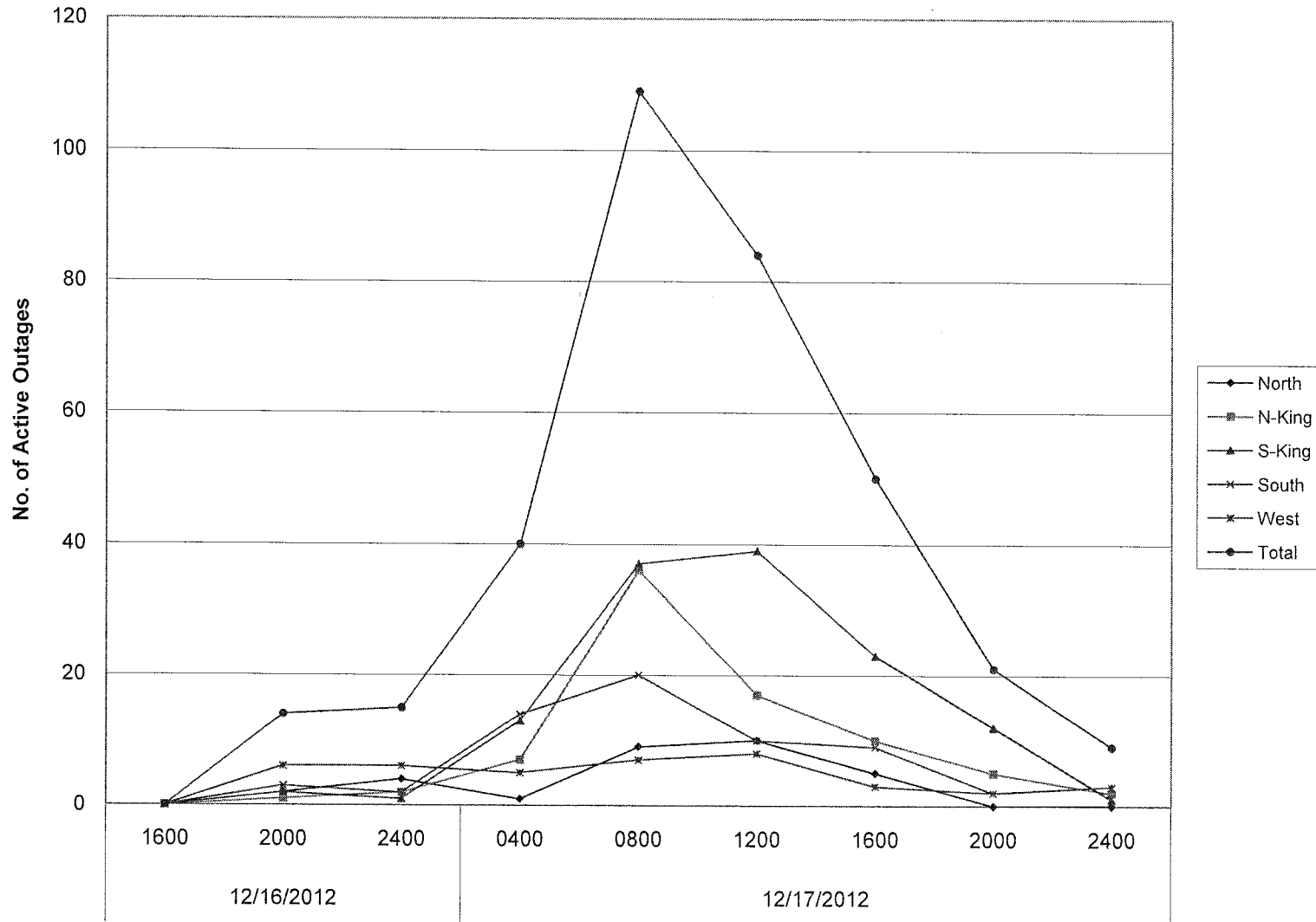
#### Operating Bases

Base	Date Opened	Time Opened	Date Closed	Time Closed
South King	12/16/2012	16:00	12/17/2012	22:00
North King	12/17/2012	05:15	12/17/2012	17:00
Thurston	12/17/2012	04:00	12/17/2012	18:00

#### Emergency Coordination Center

ECC	Date Opened	Time Opened	Date Closed	Time Closed
	12/17/2012	04:00	12/17/2012	19:30

Outage Events - Dec. 16, 2012 to Dec. 17, 2012



## Major Event Day – Qualification

### IEEE 1366 Method

IEEE 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of distribution 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 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 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 3.
6. Compute the threshold Tmed 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 Major Event Threshold for 2012: 5.38 Minutes**

## Qualified Events - 2012

### Current Event – Calculation Detail

Event Date	Total Customer Minutes	Average Customer Count	Daily SAIDI – Customer Minutes /Customer Count
01/18/2012	1,374,545,559	1,091,788	1,258.99
03/12/2012	11,004,046	1,092,611	10.07
11/19/2012	6,911,043	1,095,656	6.31
12/16/2012	8,402,357	1,096,856	7.66

### Cumulative list of events that have qualified

Date(s)	T-med Score	O&M – Deferrable Accumulation
01/18/2012	1,258.99	\$8,000,000
03/12/2012	10.07	\$0
11/19/2012	6.31	\$0
12/16/2012	7.66	\$0

### Event Restoration – Cost Summary

#### Restoration Cost Detail by Qualifying Event as of February 28, 2013

Date	Qualified Events Deferred Account	Capital	C&D Costs Recoverable from Direct Billings (Costs Not Yet Billed)	O&M – Not Deferrable	O&M – Deferrable Accumulation	Total O&M	Total
01/18/2012	\$58,370,860	\$5,893,856	\$0	\$1,610,921	\$8,000,000	\$67,981,780	\$73,875,636
03/12/2012	\$420,528	\$132,916	\$0	\$42,432	\$0	\$4462,959	\$595,876
11/19/2012	\$170,985	\$2,742	\$0	\$13,185	\$0	\$184,170	\$186,912
12/16/2012	\$1,300,231	\$146,955	\$0	\$73,102	\$0	\$1,373,332	\$1,520,288

#### YTD Storm Restoration Cost Detail at of February 28, 2013

Qualified Events Deferred Account	Capital	C&D Costs Recoverable from Direct Billings (Costs Not Yet Billed)	O&M – Not Deferrable	O&M Deferrable Accumulation	Total O&M	Total
\$60,262,603	\$6,176,470	\$0	\$1,739,639	\$8,000,000	\$70,002,242	\$76,178,712

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## **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**

<b>Puget Sound Energy</b> <b>December 16, 2012 - Storm Damage Repair Costs</b> <b>as of February 28, 2013</b>							
	Qualifying Events Deferred Account	Capital	C&D Recoverable from Direct Billings (Costs Not Yet Billed)	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
Labor							
ST		\$ 550		\$ -	\$ 42,369	\$ 42,369	\$ 42,918
OT				\$ -	\$ 56,926	\$ 56,926	\$ 56,926
Total Labor	\$ -	\$ 550	\$ -	\$ -	\$ 99,295	\$ 99,295	\$ 99,844
Labor OH		\$ 442		\$ (36,232)	\$ 94,260	\$ 58,028	\$ 58,470
Materials		\$ 19,165		\$ -	\$ 77,133	\$ 77,133	\$ 96,298
Contractors		\$ 105,651		\$ -	\$ 1,094,690	\$ 1,094,690	\$ 1,200,341
Other Direct Charges		\$ -		\$ -	\$ 7,577	\$ 7,577	\$ 7,577
Fleet		\$ 71		\$ -	\$ 22,173	\$ 22,173	\$ 22,244
Other Assessments		\$ 21,077		\$ 109,333	\$ (94,897)	\$ 14,437	\$ 35,513
Deferred Expenses	\$ 1,300,231				\$ (1,300,231)	\$ (1,300,231)	\$ -
	<u>\$ 1,300,231</u>	<u>\$ 146,955</u>	<u>\$ -</u>	<u>\$ 73,102</u>	<u>\$ -</u>	<u>\$ 73,102</u>	<u>\$ 1,520,288</u>



### IEEE-1366 - Detailed List of Distribution Circuits with Outages

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E853847193	12/16/2012	5:02:57 PM	NRU-23	EBE	TV	OCO	8	3,189
E336766713	12/16/2012	5:04:59 PM	SIL-13	ECF	TV	OFU	10	4,134
E013727246	12/16/2012	5:09:47 PM	CHM-13	ECF	TV	OCO	104	52,647
E798839206	12/16/2012	5:16:18 PM	BUC-25	ECA	EF	OTF	2	465
E353367350	12/16/2012	5:45:56 PM	LON-23	ECC	TV	OCO	37	3,604
E479067626	12/16/2012	5:59:05 PM	SIL-15	ECD	TV	OCO	70	28,694
E979856876	12/16/2012	6:27:56 PM	SIL-15	ECE	TV	OCO	23	16,728
E625754732	12/16/2012	6:28:32 PM	RIT-16	EAC	TV	OCO	1,666	94,268
11060548	12/16/2012	6:33:00 PM	CHI-12	ECD	TV	OFU	155	43,555
E391665106	12/16/2012	6:33:07 PM	CHI-12	ECD	TV	OCO	2,215	360,787
11062589	12/16/2012	6:52:00 PM	CHM-13	ECF	TV	OCO	209	84,436
E505493361	12/16/2012	7:00:56 PM	ROE-13	EAA	EF	UPC	19	9,584
E880044565	12/16/2012	7:21:28 PM	EVA-27	EBJ	TV	OSV	1	130
E339005009	12/16/2012	7:22:08 PM	WLK-15	ECA	TV	OCO	1	129
E510735232	12/16/2012	7:22:58 PM	RAI-13	ECC	TV	OCO	1,307	122,727
E551411354	12/16/2012	7:48:05 PM	ROC-15	ECC	EF	UPT	3	958
E367120378	12/16/2012	7:49:09 PM	NUG-26	EAA	CP	OPO	505	223,031
E704794542	12/16/2012	8:02:43 PM	ORT-23	ECA	TV	OCO	5	3,266
E901120995	12/16/2012	8:06:44 PM	SWI-16	ECC	EF	UHH	2	226
E716435140	12/16/2012	8:10:29 PM	WAB-12	EBI	EF	OJU	12	1,367
E738692938	12/16/2012	8:14:36 PM	SIL-13	ECE	TV	OCO	219	88,783
E742765516	12/16/2012	8:33:27 PM	LLT-16	EBD	TV	OCO	30	3,750
E303469399	12/16/2012	9:31:14 PM	MHT-13	EBJ	TO	OCO	701	61,524
E146461176	12/16/2012	9:52:09 PM	RIT-18	EAC	TV	OFU	3	159
E426607398	12/16/2012	10:13:51 PM	BRW-15	EAC	TV	OFU	4	2,833
E738756688	12/16/2012	10:47:25 PM	LLT-16	EBD	TV	OJU	30	3,685
11060550	12/16/2012	10:56:00 PM	CHI-12	ECD	TV	OFU	60	4,335
E992587141	12/16/2012	11:31:36 PM	ETN-13	EBH	TV	OCO	106	97,684
E153351747	12/16/2012	11:39:55 PM	CHI-12	ECD	TV	OCO	161	89,529
E755658467	12/16/2012	11:57:13 PM	MTH-17	EBJ	TV	OSW	240	30,428
E548480837	12/16/2012	11:58:36 PM	HKX-16	EAC	TV	UTC	1	86
E699018863	12/17/2012	12:02:02 AM	KNT-37	EBJ	TV	OCO	10	3,398
E333589484	12/17/2012	1:19:00 AM	HOL-12	ECA	TF	OCO	1,229	178,881
E626330247	12/17/2012	1:21:49 AM	PAT-15	ECC	TV	OCO	13	4,968
E994296010	12/17/2012	1:27:07 AM	GWR-16	EBI	TV	OTR	393	374,613
E344772500	12/17/2012	1:32:31 AM	CLE-11	EBH	EF	OJU	49	19,134
E181857902	12/17/2012	1:42:19 AM	VAS-13	EBL	TV	OFU	86	17,696
E046569974	12/17/2012	2:11:10 AM	SOO-25	EBI	TV	OCO	80	34,307
E482924957	12/17/2012	2:31:40 AM	SEQ-22	EBI	TV	OCO	193	99,073
E132859473	12/17/2012	2:40:00 AM	ROC-27	ECC	TF	OCO	634	77,348
E480025864	12/17/2012	2:51:24 AM	ROC-25	ECC	TV	OJU	7	1,320
E834607837	12/17/2012	2:52:14 AM	KWH-22	EBD	TV	OCO	72	16,324
E888639504	12/17/2012	3:00:35 AM	AIR-22	ECC	TV	OTR	1	679
E422074616	12/17/2012	3:01:08 AM	SIL-15	ECD	TV	OFU	5	914
E351297927	12/17/2012	3:03:49 AM	MOT-14	ECC	TV	OCO	446	246,362

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E133890737	12/17/2012	3:04:31 AM	ELD-23	ECC	TF	OCO	1,052	128,958
E801828703	12/17/2012	3:04:32 AM	BLU-13	ECC	TV	OCO	4	511
E074343415	12/17/2012	3:09:24 AM	BLU-17	ECC	TV	OCO	4	1,020
E889100527	12/17/2012	3:09:36 AM	PLA-23	EBD	TV	OCO	7	920
E726660377	12/17/2012	3:11:01 AM	HOB-16	EBI	TV	OCO	74	53,131
E824477205	12/17/2012	3:12:22 AM	RAI-11	ECC	TF	OCO	767	52,642
E708035050	12/17/2012	3:13:16 AM	LUH-14	ECC	TV	OCO	41	12,904
E427713011	12/17/2012	3:15:04 AM	PRI-13	ECC	TV	OCO	323	168,907
E300498142	12/17/2012	3:18:39 AM	HOB-15	EBI	TV	OFU	20	13,247
11060557	12/17/2012	3:30:00 AM	WOD-13	EBH	EF	OTR	2	1,042
E130566800	12/17/2012	3:38:28 AM	MVW-13	EBJ	TV	OCO	2,195	244,833
E230264500	12/17/2012	3:40:51 AM	FAL-13	EBF	TV	OTF	2	1,290
E161033353	12/17/2012	3:46:13 AM	GAR-13	ECA	EF	OCO	500	106,362
E786731802	12/17/2012	3:48:17 AM	CAM-26	EBJ	TV	OCO	1,030	125,008
E437785989	12/17/2012	3:51:13 AM	BEL-13	EBJ	TV	OTF	5	2,344
E184759951	12/17/2012	3:51:20 AM	VAS-12	EBL	EF	OFU	28	6,291
E372609922	12/17/2012	3:53:33 AM	FWY-11	EBJ	TV	OHR	622	340,514
E319759762	12/17/2012	3:54:45 AM	ELL-14	EBJ	TV	OSW	277	195,180
E873038513	12/17/2012	3:56:17 AM	SHD-17	EBI	TV	OCO	14	13,072
E862762272	12/17/2012	3:57:53 AM	PIP-25	EBI	TV	OCO	1,143	88,144
E098758224	12/17/2012	4:08:59 AM	EDG-12	ECA	TV	OCO	16	7,664
E898922190	12/17/2012	4:10:34 AM	DGR-15	ECA	TV	OCO	2	653
E576252266	12/17/2012	4:11:35 AM	FRA-16	ECD	TV	OCO	67	6,661
E586660690	12/17/2012	4:15:51 AM	SOM-13	EBE	EF	PMF	280	132,762
E693472322	12/17/2012	4:18:50 AM	FNW-17	ECD	TV	OCR	778	280,307
E252044101	12/17/2012	4:21:46 AM	VAS-23	EBL	TV	OPO	1,303	610,095
E720054238	12/17/2012	4:24:46 AM	COT-15	EBD	TV	OPI	15	6,724
E289606927	12/17/2012	4:28:58 AM	DGR-16	ECA	EF	OCO	1	246
E521668333	12/17/2012	4:29:41 AM	HAZ-15	EBE	TV	OCO	1,500	415,975
E739489309	12/17/2012	4:36:18 AM	FRG-24	ECC	TV	OCO	139	92,115
E350411008	12/17/2012	4:36:22 AM	ROC-16	ECC	TV	OCO	42	7,545
E371444775	12/17/2012	4:36:26 AM	AVO-15	EBD	TV	OCO	2,712	421,897
E475847466	12/17/2012	4:38:51 AM	PRI-13	ECC	TV	OCO	59	36,589
E170871739	12/17/2012	4:39:13 AM	FWD-17	EBJ	TV	OPO	36	15,652
E469858037	12/17/2012	4:39:33 AM	SAH-16	EBD	TV	OPO	15	11,677
E043477872	12/17/2012	4:40:24 AM	FRA-15	ECD	TV	OCO	869	150,858
E086688216	12/17/2012	4:42:35 AM	MCA-13	ECC	TV	OCO	53	10,463
E677881888	12/17/2012	4:48:24 AM	GRI-13	ECC	TV	OCO	76	59,402
E214356239	12/17/2012	4:50:05 AM	MWD-16	EBE	TV	OCO	17	6,000
E409399665	12/17/2012	4:52:05 AM	ELD-25	ECC	TV	OCO	259	62,138
E407007467	12/17/2012	4:55:28 AM	NNO-12	EBJ	TV	OCO	17	11,977
E156968946	12/17/2012	4:57:45 AM	FRA-13	ECD	TV	OCO	150	15,938
E766296452	12/17/2012	4:58:50 AM	WIN-13	ECE	EF	OCO	4	605
E544706840	12/17/2012	4:59:19 AM	BDI-15	EBI	TV	OCO	44	19,566
E608795881	12/17/2012	5:00:19 AM	LMC-27	EBF	TV	OTF	6	2,506
E254617457	12/17/2012	5:05:28 AM	MAP-13	EBF	EF	OCO	33	14,595
E817662315	12/17/2012	5:06:56 AM	FAL-13	EBD	EF	OCO	10	3,561

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E986296222	12/17/2012	5:08:42 AM	FAL-15	EBF	EF	OCO	147	58,256
E832884556	12/17/2012	5:12:16 AM	NBE-13	EBF	TV	OCO	30	3,592
E808869991	12/17/2012	5:15:01 AM	ROL-16	EBJ	TV	OCO	2,010	273,327
E075435873	12/17/2012	5:16:23 AM	SHD-18	EBI	TV	OCO	1	854
E945555034	12/17/2012	5:17:32 AM	SWE-13	EBJ	TV	OPO	4	2,970
E340137557	12/17/2012	5:18:32 AM	MER-15	EBE	TV	OCO	95	45,834
E295077504	12/17/2012	5:20:59 AM	GBK-13	EAD	TV	OCO	401	337,248
E474496813	12/17/2012	5:21:17 AM	JUA-25	EBD	TV	OCO	1,545	288,477
E355277339	12/17/2012	5:22:51 AM	MAP-13	EBF	TV	OCO	13	6,723
E795427367	12/17/2012	5:23:09 AM	DES-12	EBJ	TV	UTC	3	1,611
E882172173	12/17/2012	5:24:19 AM	LYO-15	EBJ	TV	OTR	25	18,342
E862186856	12/17/2012	5:27:06 AM	CHI-15	ECD	TV	OCO	54	16,843
E627107731	12/17/2012	5:28:02 AM	LMC-23	EBF	EF	OTF	3	1,074
E015283829	12/17/2012	5:28:33 AM	PAN-13	EBJ	TV	OSW	1,024	114,125
E746508344	12/17/2012	5:31:41 AM	FCR-11	EBI	TV	OCO	1,679	242,308
E170727089	12/17/2012	5:32:24 AM	ROL-15	EBJ	TV	OCO	2,307	266,689
E644641940	12/17/2012	5:33:10 AM	OBY-16	ECC	TV	OCO	14	4,156
E063131042	12/17/2012	5:34:11 AM	BLU-16	ECC	TV	OFC	4	827
E578228438	12/17/2012	5:34:20 AM	TOL-16	EBD	TV	OCO	29	13,243
E062711907	12/17/2012	5:37:51 AM	ROL-13	EBJ	TV	OCO	1,755	214,373
E659534898	12/17/2012	5:39:37 AM	PIN-23	EBF	EF	OCO	248	57,383
E160360441	12/17/2012	5:42:46 AM	PAN-12	EBJ	TV	OCO	152	14,323
E031534366	12/17/2012	5:48:18 AM	KAP-15	ECA	TV	OCO	2	407
E722155753	12/17/2012	5:49:02 AM	VIC-16	EBJ	TV	OSV	31	12,430
E890027848	12/17/2012	5:49:24 AM	SNQ-15	EBF	TV	OCO	25	7,215
E972217315	12/17/2012	5:50:43 AM	LWS-16	EBI	TV	OCO	47	25,816
E739500812	12/17/2012	5:51:04 AM	BRO-15	EAD	TV	OCO	30	9,883
E113570614	12/17/2012	5:52:22 AM	HOB-17	EBI	TV	OCO	46	32,873
E704449165	12/17/2012	5:53:28 AM	ING-15	EBD	TV	OCO	6	3,783
E425971768	12/17/2012	5:53:40 AM	SNQ-17	EBF	TV	OCO	65	7,757
E971992793	12/17/2012	5:54:20 AM	HAS-15	ECF	TV	OCO	24	6,208
E677383520	12/17/2012	5:55:37 AM	FWY-12	EBJ	TV	OPI	56	17,045
E852854386	12/17/2012	5:56:53 AM	PIK-23	EBF	EF	OCO	15	4,907
E420642961	12/17/2012	6:01:29 AM	MAP-15	EBF	TV	OCO	21	5,219
E098726370	12/17/2012	6:10:47 AM	MVW-16	EBJ	TV	OTF	1	360
E225460216	12/17/2012	6:14:05 AM	BTN-38	EAC	EF	OCO	20	6,018
E898197232	12/17/2012	6:14:16 AM	FLD-12	EAD	EF	OTR	15	2,365
E376062313	12/17/2012	6:20:23 AM	SEQ-17	EBJ	TV	UPT	8	5,517
11060562	12/17/2012	6:23:00 AM	FRA-12	ECD	TV	OCO	100	400
E719579833	12/17/2012	6:25:00 AM	STA-26	EBJ	TV	OCO	1,722	622,911
E893858527	12/17/2012	6:32:21 AM	MOT-14	ECC	TV	OCO	26	19,101
E479160367	12/17/2012	6:40:22 AM	LAT-14	EBJ	TV	OFU	24	3,855
E683112472	12/17/2012	6:51:43 AM	VAS-13	EBL	TV	OCO	5	721
E387316851	12/17/2012	6:57:00 AM	LWS-14	EBI	TV	OCO	11	5,313
E366167373	12/17/2012	7:00:38 AM	ELD-27	ECC	TV	OCO	57	15,924
E955460442	12/17/2012	7:07:29 AM	TOL-15	EBD	TV	OPO	13	9,343
E190584009	12/17/2012	7:08:09 AM	PLG-17	ECC	TV	OCO	43	7,863

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E186616624	12/17/2012	7:13:14 AM	HIG-13	EBE	TV	OTF	5	1,204
E582045475	12/17/2012	7:13:49 AM	LWS-13	EBI	TV	OCO	6	2,797
E785333896	12/17/2012	7:18:22 AM	GRI-16	ECC	TV	OTR	27	3,689
E346644647	12/17/2012	7:21:49 AM	HOL-12	ECA	TV	OSV	1	178
E617862199	12/17/2012	7:26:49 AM	MWD-15	EBE	TV	OCO	12	1,622
E760652907	12/17/2012	7:28:59 AM	PIP-25	EBI	TV	OPO	19	11,799
E057437021	12/17/2012	7:30:53 AM	ELD-23	ECC	TV	OCO	39	13,811
E654168017	12/17/2012	7:34:15 AM	NBE-13	EBF	TV	OCO	7	1,832
E446477884	12/17/2012	7:43:39 AM	BDI-12	EBI	TV	OFC	42	7,323
E357278930	12/17/2012	7:45:57 AM	ELL-16	EBI	TV	OFU	4	1,736
E871521891	12/17/2012	7:46:36 AM	LLS-17	EAA	TV	OPO	50	9,260
E274755637	12/17/2012	7:46:45 AM	LLT-16	EBD	EF	USV	5	2,666
E249782247	12/17/2012	7:48:39 AM	HLC-23	EAD	EF	OTF	33	13,938
E238981682	12/17/2012	7:49:38 AM	EAR-17	EBJ	TV	OSV	4	1,469
E657363975	12/17/2012	7:50:55 AM	BRO-16	EAD	TV	OFU	15	1,126
E888325330	12/17/2012	7:58:33 AM	WIS-13	EBF	TV	OSV	2	873
E156532553	12/17/2012	7:58:35 AM	CAS-16	EBH	EF	OCO	6	1,449
E870783281	12/17/2012	7:58:39 AM	NBE-12	EBF	EF	OJU	61	13,197
E784694001	12/17/2012	8:17:00 AM	MCA-13	ECC	TV	OPO	22	12,584
E762059315	12/17/2012	8:19:13 AM	VAS-12	EBL	TV	OFU	34	3,631
11062570	12/17/2012	8:20:00 AM	GWR-13	EBI	TV	OTR	472	139,712
E883360852	12/17/2012	8:23:32 AM	HAZ-15	EBE	TV	OCO	29	11,005
E716422838	12/17/2012	8:24:12 AM	FRA-16	ECD	TV	OSV	3	269
E504174524	12/17/2012	8:28:15 AM	GBK-15	EAD	TV	OCO	10	6,717
E890791726	12/17/2012	8:28:52 AM	FRA-15	ECD	EF	UPC	8	2,737
E333642263	12/17/2012	8:32:15 AM	ALG-15	EAA	TV	OCO	15	5,647
E789647032	12/17/2012	8:34:08 AM	GRI-15	ECC	TV	OCO	2	592
E082678697	12/17/2012	8:35:08 AM	ASB-15	EBJ	TV	OSV	6	1,679
E159068879	12/17/2012	8:35:58 AM	CHI-12	ECD	TV	OFU	59	6,492
E604316865	12/17/2012	8:40:11 AM	LUH-14	ECC	TV	OCO	25	2,995
E400603198	12/17/2012	8:43:37 AM	LWS-14	EBJ	TV	OCO	12	4,517
E311263735	12/17/2012	8:46:55 AM	EDG-16	ECA	TV	OCO	4	804
E076960197	12/17/2012	8:53:46 AM	BRS-13	EAC	TV	OFU	1	430
E852765307	12/17/2012	8:54:10 AM	LWS-16	EBJ	TV	OCO	6	2,195
E219502815	12/17/2012	9:06:33 AM	BDI-12	EBJ	TV	OFU	18	2,366
E719506678	12/17/2012	9:07:51 AM	LAT-13	EBJ	TV	OCO	11	3,544
E038554369	12/17/2012	9:08:12 AM	PRI-23	ECC	TV	OCO	3	680
E076181958	12/17/2012	9:10:15 AM	VAS-22	EBL	TV	OTF	2	478
E841406481	12/17/2012	9:13:02 AM	SNQ-17	EBF	TV	OCO	10	1,300
E927202229	12/17/2012	9:15:15 AM	KWH-25	EBD	EF	USV	5	2,139
E907075245	12/17/2012	9:23:55 AM	CLV-16	EAD	EF	OSV	1	216
E456185528	12/17/2012	9:27:27 AM	SOO-25	EBI	TV	OTR	13	6,533
E177581461	12/17/2012	9:30:55 AM	PIN-27	EBF	TV	OJU	4	896
E500296357	12/17/2012	9:44:44 AM	GRI-16	ECC	TV	OTR	6	992
11060558	12/17/2012	10:10:00 AM	TOL-15	EBE	EF	OPO	4	3,568
E383280200	12/17/2012	10:11:41 AM	VAS-12	EBL	TV	OTR	20	12,646
11060577	12/17/2012	10:14:00 AM	VAS-12	EBL	TV	OCO	50	1,650

Qualifying Storm Event  
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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E668570383	12/17/2012	10:14:57 AM	SEQ-13	EBJ	TV	OTF	6	1,830
E528478892	12/17/2012	10:17:37 AM	CHM-13	ECF	UN	UTC	1	100
E182282088	12/17/2012	10:27:46 AM	SUM-21	EAC	TV	OTF	2	136
E044973183	12/17/2012	10:35:13 AM	LON-17	ECC	TV	OCO	1	475
11060497	12/17/2012	10:36:38 AM	GBK-13	EAD	TV	OCO	15	6,630
E153813410	12/17/2012	10:48:45 AM	MHT-15	EBJ	TV	OCN	6	998
E427473037	12/17/2012	10:53:18 AM	IRO-16	ECF	TV	OFU	2	249
E630523499	12/17/2012	11:00:09 AM	HAM-15	EAC	TV	OTF	1	404
E357997374	12/17/2012	11:02:39 AM	SHE-25	ECE	TV	OFU	4	333
E114232045	12/17/2012	11:05:58 AM	CLE-13	EBH	EF	OFU	1	305
11060578	12/17/2012	11:12:00 AM	CHM-13	ECF	EF	OFC	1	41
11060498	12/17/2012	11:12:33 AM	SNN-22	EAC	TV	OCO	1	412
E166337267	12/17/2012	11:17:42 AM	MWD-16	EBE	TV	OFU	3	67
E166445719	12/17/2012	11:28:06 AM	CHI-12	ECD	TV	OFU	74	17,161
11060603	12/17/2012	11:43:00 AM	BRE-37	ECD	TV	OFU	2	88
E157664866	12/17/2012	11:44:20 AM	SEQ-22	EBI	TV	OCO	13	8,537
E446774068	12/17/2012	11:54:00 AM	FWD-17	EBJ	TV	OPO	36	19,656
E578433228	12/17/2012	11:55:10 AM	PIP-26	EBI	TV	OFU	8	1,879
E931241637	12/17/2012	12:03:10 PM	SUM-21	EAC	TV	OCO	15	2,097
E891422011	12/17/2012	12:04:40 PM	WIN-13	ECE	TV	OFU	22	2,119
E149856005	12/17/2012	12:04:48 PM	ETN-15	EBH	EF	OTR	12	3,131
E463039323	12/17/2012	12:07:45 PM	RDO-12	EBJ	TV	UPT	17	4,968
E354747434	12/17/2012	12:20:27 PM	SIL-13	ECE	EF	OTF	1	53
E266641112	12/17/2012	12:31:05 PM	GLC-15	EBJ	TV	OFU	2	160
E809834919	12/17/2012	12:34:42 PM	RAI-13	ECC	TV	OCO	2	571
E204123640	12/17/2012	12:43:25 PM	ROC-16	ECC	TV	OCO	1	77
11060531	12/17/2012	12:57:29 PM	RAI-14	ECC	AO	UPT	1	171
11060575	12/17/2012	1:00:00 PM	CHI-12	ECD	TV	OFU	8	960
E316928874	12/17/2012	1:08:01 PM	BDI-15	EBI	TV	OCO	23	6,946
11060559	12/17/2012	1:09:00 PM	CLE-11	EBH	EF	OCO	2	42
E971993201	12/17/2012	1:12:11 PM	PRI-23	ECC	DU	UPC	3	965
E862469999	12/17/2012	1:16:11 PM	DES-15	EBJ	TV	OTR	15	3,747
E823400491	12/17/2012	1:17:28 PM	SPA-17	ECA	EF	PTF	2	552
11062452	12/17/2012	1:33:00 PM	MAP-13	EBF	EF	OCO	9	225
E361192471	12/17/2012	1:37:24 PM	FWY-11	EBJ	TV	OFU	58	3,051
11060604	12/17/2012	1:45:00 PM	FNW-17	ECD	TV	OFU	50	1,750
E739469953	12/17/2012	1:57:58 PM	FCR-12	EBI	TV	OTF	2	188
E810910876	12/17/2012	1:59:45 PM	LUH-14	ECC	TV	OCO	1	157
E842197568	12/17/2012	2:22:49 PM	BRO-15	EAD	EF	OTF	2	524
E534716840	12/17/2012	2:30:51 PM	MVW-13	EBJ	TV	OCO	24	8,956
E490027441	12/17/2012	2:55:19 PM	LAT-17	EBJ	TV	OCO	6	2,338
11060582	12/17/2012	3:00:30 PM	FLD-12	EAD	EF	OFU	5	101
E299104984	12/17/2012	3:02:18 PM	MST-27	EBI	TV	OCO	926	58,060
E648016410	12/17/2012	3:11:39 PM	AIR-26	ECC	TV	OCO	6	230
E813465216	12/17/2012	3:15:19 PM	HOB-15	EBI	TV	OFU	11	877
E781523096	12/17/2012	3:19:25 PM	LWS-16	EBI	TV	OFU	40	11,503
E938976951	12/17/2012	3:26:02 PM	PRI-13	ECC	TV	OCO	16	3,103

Qualifying Storm Event  
December 16, 2012

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E112986114	12/17/2012	3:27:43 PM	NBE-13	EBF	TV	OCO	28	2,500
E381446989	12/17/2012	3:43:21 PM	ORI-13	EBJ	TV	UPS	23	3,097
E425302358	12/17/2012	3:47:52 PM	HOB-16	EBI	TV	OTR	4	1,265
E300883024	12/17/2012	4:23:10 PM	SHD-17	EBJ	TV	OCO	1	187
E097326607	12/17/2012	4:27:01 PM	CHI-12	ECD	EF	OFU	2	180
E557303990	12/17/2012	4:30:20 PM	FWD-17	EBJ	TV	OPO	22	5,933
E545946923	12/17/2012	4:47:37 PM	LAT-13	EBJ	TV	OTF	1	54
E911755077	12/17/2012	4:58:50 PM	LLS-17	EAA	EF	OFC	15	1,472
E172844739	12/17/2012	5:04:24 PM	KIT-25	EBH	EF	OTR	3	1,192
E203684565	12/17/2012	5:30:36 PM	SNQ-17	EBF	TV	OTF	1	140
E432189142	12/17/2012	5:35:51 PM	LMD-16	EBJ	EF	UTC	5	1,206
E117934576	12/17/2012	5:37:45 PM	FNW-17	ECD	EO	PMF	60	8,293
E522979145	12/17/2012	5:45:39 PM	HAZ-13	EBE	EF	OCN	3	248
E591713942	12/17/2012	6:05:30 PM	HOB-17	EBI	TV	OCO	24	4,740
E719716784	12/17/2012	6:33:19 PM	HOB-15	EBI	EF	USV	1	280
E352085392	12/17/2012	6:44:18 PM	SWE-13	EBJ	TV	OFU	26	2,228
E907089624	12/17/2012	6:49:44 PM	LMC-25	EBF	PO	OSV	1	102
E392745197	12/17/2012	7:02:46 PM	MAP-13	EBF	EF	OSV	1	130
E952691641	12/17/2012	7:11:48 PM	RKD-39	EBF	UN	OCO	4	4,633
E854163751	12/17/2012	7:50:01 PM	VIC-17	EBJ	EF	UFJ	1	321
E675687556	12/17/2012	7:59:11 PM	MOT-14	ECC	EF	OTF	5	458
E548175563	12/17/2012	8:00:45 PM	LON-23	ECC	EF	OTR	1	156
E457838494	12/17/2012	8:48:33 PM	PRI-13	ECC	TV	OCO	2	173
E932991621	12/17/2012	8:53:03 PM	PRI-23	ECC	EF	UOT	1	225
11060613	12/17/2012	9:29:00 PM	PRI-13	ECC	EF	OTF	1	61
E349045568	12/17/2012	9:51:04 PM	YEL-25	ECC	TV	OCO	15	2,671
E777851353	12/17/2012	10:01:20 PM	MST-27	EBI	TV	OTF	4	259
E886968661	12/17/2012	10:15:02 PM	GRI-13	ECC	TV	OCO	10	2,927

### Terms, Codes and Definitions Used on Detail Reports

<b>Notification</b>	<b>[Notification Number]</b> A number assigned by SAP, identifying the outage record
<b>Date</b>	The date of the outage
<b>Time</b>	The time of the outage
<b>Circuit</b>	<b>[Reference Circuit]</b> The circuit identifier for the affected circuit

<b>Area</b>	<b>[Maintenance Planner Group]</b> A code representing the energy, region and service center	
	EAA – Bellingham	EBJ – South King
	EAB – Lynden	EBK – Southwest King
	EAC – Skagit	EBL – Vashon
	EAD – Whidbey	ECA – Puyallup
	EBD – Redmond	ECC – Olympia
	EBE – Factoria	ECD – Port Orchard
	EBF – Snoqualmie	ECE – Poulsbo
	EBI – Enumclaw	ECF – Port Townsend

<b>Cause</b>	<b>Cause of Outage</b>	
	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	

<b>Equipment</b>	<b>Affected by, or involved in the outage</b>	
	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	

<b>CUST OUT</b>	<b>[Customer Out]</b> The number of customers without power for any given outage record
<b>CUST MIN</b>	<b>[Customer Minutes]</b> The total number of minutes customers were without power for any given record

## Media Coverage



Monday, December 17, 2012

### Winds knock out power in Puget Sound area

SEATTLE (AP) — High winds early Monday have knocked out power for about 8,000 Puget Sound Energy customers in south King County and Thurston County.

Spokeswoman Julia Hughes says there are 60 outages in the area including Auburn, Federal Way and Olympia.

The Bellevue-based utility has dispatched 100 crews and hopes to have customers back on line later Monday, depending on the extent of the damage.

## The Olympian

Monday, December 17, 2012

### Weather updates and closures for Monday

High winds early Monday have knocked out power for about 8,000 Puget Sound Energy customers in south King County and Thurston County.

Spokeswoman Julia Hughes says there are 60 outages in the area including Auburn, Federal Way and Olympia.

The Olympian will keep track of how the weather is affecting your morning commute, as well as school and services updates and closures. We'll also keep you up-to-date on current weather trends throughout the day.

#### Schools:

##### THURSTON COUNTY

The Evergreen State College: The Olympia campus is closed due to a power outage.

LP Brown Elementary: Closed today due to power outage.

##### MASON COUNTY

Hood Canal: No Hood Canal buses for Shelton High School and Oakland Bay students.

##### LEWIS COUNTY

Adna: 2 Hours Late



# The Olympian

Tuesday, December 18, 2012

## Snow to follow windy woes?

By Rolf Boone

*After high-speed winds and power outages, weatherman expects some snowfall*

Gusty winds knocked out power to about 2,500 Puget Sound Energy customers in Thurston County early Monday morning, and now there's a chance of snow in the forecast, according to the National Weather Service.

The snow level was expected to fall to 100 feet from 600 feet Monday night, resulting in a possible half-inch of snow in the Olympia area.

There's a also chance of snow showers before 10 a.m. today, followed by a chance of rain showers before 4 p.m.

The snow level is expected to rise again to 600 feet later today, National Weather Service data show.

Meanwhile, Monday morning's gusty winds affected about 2,500 PSE customers in the county, spokesman Roger Thompson said.

The peak of the outages was reported at 4 a.m. Monday.

By about 1 p.m., the number of outages had been reduced to about 200, he said. Service was expected to be restored to all customers by Monday night, Thompson said.

Although breezy Monday morning, wind gusts likely were not as strong as forecast. A gust of 37 miles per hour was the Monday morning high, according to the National Weather Service, followed by gusts ranging from 20 to 30 miles per hour through Monday afternoon.

Still, that was enough to topple a 125-foot fir tree onto a house in the Steamboat Island area of the county, said Karen Drewry, co-owner of Double D Tree Service LLC of Olympia.

No one was hurt, she said, but the tree did fall through the house into the kitchen area.

Drewry, who co-owns the business with her husband, Dave, said they got a call Monday morning about the tree and arrived on the scene.

## PENINSULA DAILY NEWS

*Your Peninsula • Your Newspaper*

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Monday, December 17, 2012

## Storm blusters and passes east — but dusting of snow possible

By Paul Gottlieb

PORT TOWNSEND — Drenching, blustery weather that left Jefferson County largely unscathed should dissipate by this morning, according to the National Weather Service.

But there's a catch: Snow might fall in Jefferson and Clallam counties by late tonight or early Wednesday — but accumulation won't amount to much, forecasters say.

"If it comes, it won't be a lot," agency meteorologist Art Gaebel told the Peninsula Daily News on Monday.

He said showers and gusty winds that were expected to continue until late Monday afternoon would not approach Sunday night's intensity.

"You're looking at up to 3 inches [of snow] and possibly a high amount at some of the higher elevations," he said.

"With the system that moved through, that was really the worst of it."

But Hurricane Ridge was like another world.

A total of 15 inches fell between Friday and Monday, Olympic National Park spokeswoman Rainey McKenna said, and it was still snowing at the mile-high ski area Monday morning.

The flakes swirled so thickly that a road crew heading up Hurricane Ridge Road was forced to turn around about 6 miles from Heart O' the Hills entrance station because of white-out conditions.

It was a different story at sea level.

Tami Ruby, harbormaster at the Port of Port Townsend's Boat Haven and Point Hudson Marina, said there was minor flooding at high tide but that the winds had left the marinas unharmed.

A few dock cleats were torn away, but that was about it.

"That was all that was reported," Ruby said Monday morning.

"It's just breezy, not super windy," she said. "Everything seems to be battened down."

Winds that the Weather Service said gusted up to 47 mph at Neah Bay on Sunday night had muted to 36 mph by 10 a.m. Monday.

"All the boats are in," Makah Marina Harbormaster Bill Parkin said Monday morning of about 80 to 90 mostly tribal fishing vessels.

At LaPush, the Quillayute River bar was closed Monday afternoon by the Coast Guard captain of the port for the Sector Puget Sound area of responsibility.

The Coast Guard will re-evaluate the bar closure on an ongoing basis, a spokesman said.

The Weather Service did not have precise wind speeds for Port Townsend and Port Angeles from Sunday night, but Gaebel estimated they were in the range of 35 mph.

As of 11:50 a.m. Monday, just two Puget Sound Energy customers were without power in the Discovery Bay area, with the restoration of electricity expected by 1 p.m., utility spokesman Roger Thompson said.

"We had a few small outages in Jefferson, primarily Eastern Jefferson County," he said.

There were 5,000 PSE customers who lost power in the utility's nine-county coverage area, primarily in King, Pierce and Thurston counties.

As of midday Monday, 300 were still without power in Kitsap County, Thompson said.

"We did not have much in the way of power outages in Jefferson County as the result of this windstorm," he added.

In Clallam County, Port Angeles High School and portions of Lauridsen Boulevard were without power for about an hour until electricity was restored at 8 a.m., city Public Works Director Glenn Cutler said in an email.

School began on time.

There were localized outages to homes but nothing major, Cutler added.

Power outages caused mostly by tree limbs shrouded 840 Diamond Point-area Clallam Public Utility District customers in darkness at 5:05 p.m. Sunday, utility spokesman Mike Howe said.

Power was restored by 8:40 p.m., he said.

Then between 6:45 a.m. and 7:15 a.m. Monday, it went out to 154 customers in Joyce, the Atterbury Road area west of Sequim, and on Pierce Road between Blyn and Gardiner, he said.

Those affected areas had power restored by 9 a.m.

"We continue to be ready for further things," Howe said.

Scattered outages were reported throughout Clallam County, he said.

"When they're scattered about, it makes it a little more challenging."

Gaebel said temperatures might drop to the upper 30s tonight in some lowland areas of Clallam and Jefferson counties, they're expected to rise to the lower 40s by Wednesday.

"It will turn warmer Wednesday afternoon," Gaebel said.

As for rain, not enough fell to create flooding problems, but it is expected to continue falling today and through the rest of the week, he said.

It was cold enough for the rain to turn to snow on Hurricane Ridge, which recorded 9 inches of new white stuff Sunday night, McKenna said.

Qualifying Storm Event  
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The snowpack measured 88 inches at noon Monday near Hurricane Ridge Visitor Center at 5,240 feet.

The road crew was forced to turn around Monday morning at 3,500 feet, McKenna said. The road is open to the public only on Fridays through Sundays and holidays this season. Recorded updates are available by phoning 360-565-3131. The Ridge's snowpack is about 230 percent of normal, McKenna said.

## MercerIslandPatch

Monday, December 17, 2012

### Update: Storm Causing Outages, Downed Trees on Mercer Island

By Kendall Watson

*Update, Monday, 5 p.m.:* Puget Sound Energy announced on its Facebook page that all power was restored to Mercer Island customers.

At its peak, over 27,500 customers were without power, the utility said.

Here's the latest press release from PSE:

*Puget Sound Energy recognizes the inconvenience to our customers and is committed to restoring service as soon as possible and providing updates to enable our customers to take necessary steps. We appreciate our customers' patience as we work to repair power as quickly as possible, with safety our top priority.*

*PSE crews Monday afternoon are responding to outages caused by heavy rain and strong winds that have knocked down trees and tree limbs into power lines this morning.*

*As of 3:30 p.m., 62 PSE crews are responding to 68 outage locations in Western Washington. Crews have restored power to more than 27,500 customers. There currently are 3,300 customers without power, primarily in South King County with scattered outages in Island, Skagit, Whatcom, North King, Kitsap and Thurston counties.*

*There are 62 four-person power line crews, 35 two-person tree crews and 78 servicemen available and assisting with restoration efforts.*

*Update, Monday 12:20 p.m.:* Puget Sound Energy announced that all power will be restored to Mercer Island by 1:30 p.m. (track updates at PSE's Outage Alert Map, [here](#)).

*Update, Monday, 11:20 a.m.:* Roger Thompson, a spokesman for PSE, said there are still 5,000 homes and businesses without power across the PSE service area as of 10 a.m. Wind gusts were reported at near 60 miles per hour by the National Weather Service

"With that kind of gale, that can cause issues with falling branches and trees," he said. "But the winds didn't seem as sustained as suggested by earlier forecasts."

Thompson said 400 line workers out in the field and an additional tree crews were assisting in the power restoration effort.

"The primary cause of the outages are wind-blown branches or in some cases whole trees that are falling into power lines."

Mercer Island Police confirmed earlier this morning that the wind had accidentally set off nearly a dozen motion detector alarms in the area, but little to no damage had been reported as a result of the storm.

"So far, no major trees down or property damage that I'm aware of," said MIPD Cmdr. Leslie Burns. "Hopefully the worst is behind us."

**Original Story:** An early Monday morning storm with high winds is knocking out power to homes across the Puget Sound and has knocked out power to several dozen homes on Mercer Island, according to utility provider Puget Sound Energy.

As of 9:30 a.m. Monday, PSE is reporting up to 17,000 customers are currently without power across its service area in the Puget Sound. On Mercer Island, at least 63 customers are without power, mostly on the west side of the Island most exposed to the high winds. No estimated time for service restoration has been provided (track updates at PSE's Outage Alert Map, here).

The Mercer Island School District and all other private schools reported no disruption and are continuing with a normal schedule.

Anecdotal reports from residents indicate the intensity of the storm began to cause residential security alarms to activate at around 4:45 a.m., dispatching Mercer Island Police patrol units to dozens of homes in the area.

***We'll keep you posted about the latest storm developments here on Patch. Please send news tips to [kendall.watson@patch.com](mailto:kendall.watson@patch.com). Readers can also follow up on Facebook and on Twitter at @MercerIsePatch.***

Who to Contact For Storm-Related Emergencies:

To report a problem with stormwater drainage and blocked catch basins, call the city's Maintenance Department at 206-275-7800, or report it online here.

To report a landslide or potential landslide, call the city's Development Services Group at 206-275-7728.

If you're experiencing an outage or suspect a natural gas leak, call Puget Sound Energy 1-888-225-5773. Click here for real-time updates, or check [Twitter.com/PSETalk](https://twitter.com/PSETalk).

For more information on how to be prepared for emergencies and how to get information in an emergency, please visit the city's emergency preparedness webpage. For more tips on dealing with heavy rain and potential flooding, see this checklist on the web pages of Take Winter by Storm, a group formed by public and private utilities of Western Washington.

Qualifying Storm Event  
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If you rely on public transit, check the status of your ride on Metro Transit Alert Center's website. Click [here](#) for metro's flood routes.

Puget Sound Energy also posted this notice to its web site this morning:

*The National Weather Service has forecast a significant weather storm to hit the region Sunday evening. In addition to strong winds, coastal flooding and mountain blizzard conditions are in the forecast. Strong winds are expected to begin near midnight, with the most severe winds — up to 70 mph — reaching our area around 4 a.m.*

# The Olympian

Monday, December 17, 2012

## Wind pounded region Monday, snow next

By Stacia Glenn

Snow began falling in Pierce County Monday night as people around Western Washington continued to deal with the fallout from high winds that swept the region earlier in the day.

More From Our PartnerLess than a half inch of snow was expected overnight in Tacoma and surrounding areas, but rain and warming temperatures should quickly wash it away, the National Weather Service reported Monday.

"This is going to drop down a little bit of snow," Weather Service meteorologist Art Gaeble said.

By late morning, the snow level should rise to 500 to 1,000 feet. The forecast calls for a chance of rain and a high of 39 degrees.

Powerful winds gusting up to 60 mph hit the coast Monday. Seattle-Tacoma International Airport recorded wind gusts up to 59 mph and Tacoma topped out at 46 mph, Gaeble said.

The winds meant at least partial closures for many local ski resorts and Mount Rainier National Park, which shut down the Nisqually entrance due to toppled trees.

Emergency responders were called to a handful of homes throughout Pierce County after trees fell on vehicles and roofs.

In Lakewood, a large tree crashed through a house in the 7000 block of Foster Street Southwest about 3:30 a.m. It narrowly missed a baby boy sleeping in his crib, said West Pierce Fire & Rescue spokeswoman Hallie McCurdy. The boy was taken to the hospital as a precaution but was not injured.

More than 8,000 Puget Sound Energy customers lost electricity early Monday in south King and Thurston counties. The outages were mostly in Federal Way, Auburn and Olympia but crews restored power by mid-afternoon.

High-cresting waves flooded about a dozen houses on Day Island, destroying boat launches and pushing debris beneath cars and into garages.

When the waters receded around 9 a.m., residents banded together to clean up. They walked empty plant pots back to their neighbors. They grabbed shovels and helped dig debris out from beneath vehicles. They snapped photographs for insurance claims and shook their heads in wonder.

"This is the highest tide I've ever seen," said Jana Novak, whose family has lived in Day Island since 1957. "The road was a sea. I felt like I was in a houseboat."

The storm also caused a mudslide that hit Burlington Northern Santa Fe tracks in the Nisqually area north of Olympia, prompting a 48 hour moratorium for Amtrak trains between Tacoma and Olympia. The tracks were cleared for freight trains, spokesman Gus Melonas said.

Blizzard-like conditions hit the Cascades, dumping 33 inches in the last 24 hours at Paradise. Accumulations from the storm that started Sunday are likely to total 2 to 3 feet by this morning.

## The Seattle Times

Winner of a 2012 Pulitzer Prize

### Winter storm pummels the Pacific Northwest

The Associated Press  
PORTLAND, Ore. —

A powerful winter storm has moved into the Pacific Northwest and is expected to linger into Monday, delivering strong winds and rain in some places and heavy snowfall and whiteout conditions in others.

Towering waves also are expected, but the storm won't be limited to the coast and mountains. Forecasters also have posted high-wind warnings with gusts up to 55 mph in Oregon's Willamette Valley and the metro Portland area, The Oregonian reported.

Liana Ramirez, a National Weather Service forecaster in Portland, said the wind's effect could be more severe because it's coming directly from the south, instead of the season's usual southwesterly and westerly winds. That could lead to trees toppling onto power lines. Thousands of residents experienced power outages Sunday in Corvallis, Astoria, North Bend and elsewhere.

Forecast models show winds up to 85 mph on the north Oregon coast, with the strongest winds expected between midnight Sunday and 4 a.m. Monday, Ramirez said.

The blustery weather was expected to lead to towering seas, with up to 30-foot waves. Forecasters issued a flood watch for the north Oregon coast, with the likelihood of tidal overflows and minor coastal flooding, the newspaper reported.

As wind and rain pummeled the coast and Willamette Valley, the Cascade Mountains in Washington and Oregon were getting hit with snow, with as much as 3 feet of powder in 36 hours. A blizzard warning remained in effect until Monday evening.

Visibility was expected to be a quarter-mile or less from the blowing snow, with whiteout conditions in higher elevations and along the passes. The Seattle Times reported the locations expecting blizzard conditions include Hurricane Ridge, Snoqualmie Pass, Stevens Pass, White Pass and the Paradise Ranger Station.

KTVZ reported more slide-off and rollover crashes occurred Sunday morning after a string of at least a dozen Saturday evening and night. Police said most likely involved drivers going too fast for the conditions.

Because of the dangerous conditions, the Weather Service recommended no travel in the Cascades unless absolutely necessary. It says motorists who do need to travel should pack winter survival kits with flashlights, food, water and blankets.

## The Seattle Times

Saturday, December 15, 2012 at 5:25 PM

### High-wind watch issued as big storm is about to hit

The first major storm of the season is headed this way Sunday, with wind gusts possibly reaching 60 mph and lots of snow in the mountains.

By Sandi Doughton, Seattle Times science reporter

The first major storm of the season is headed for Western Washington on Sunday, with gusts of 60 mph possible and up to 4 feet of snow in the mountains.

"This will be our strongest storm yet this year," said National Weather Service meteorologist Johnny Berg.

The Weather Service issued a high-wind watch for the coast and Puget Sound areas that extends into Monday morning. But the exact areas that will be affected depend on the storm's track, which is still uncertain. "It's kind of a 'Hey, watch out. This could happen,'" Berg said. The forecast calls for sustained winds of 25 to 35 mph in places, beginning Sunday afternoon. The wind could cause power outages, topple trees and damage structures, the Weather Service warned.

On his weather blog, University of Washington meteorologist Cliff Mass says the storm will be powerful, but won't approach the record-breaking wind events of Inauguration Day 1993 or the Hanukkah Eve Wind Storm of 2006.

With a snow level around 2,000 feet, all the mountain passes will be affected. By midday Sunday, 10 to 16 inches of snow are likely in the Olympics and Cascades. Monday could bring a dump of 1 to 3 feet.

"We have better snow conditions than anywhere else in the country," Mass wrote. "Forget Utah and Colorado; save your money and enjoy local skiing."

Combined with high tides, the storm could cause some flooding along beaches Monday morning. In Puget Sound, where the tide will peak at 8 a.m., the storm could push water levels 1 to 2 feet higher than normal.

On the coast, swells of 20 feet or more are possible Monday.

Looking ahead, there's at least a chance of snow in some lowland areas by Tuesday. "There may be some areas that see a rain-snow mix, but it's a little too far out to be sure," Berg said. "I would say: Stay tuned for that."

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## The Seattle Times

December 17, 2012 at 5:48 AM

### High winds, power outages, mountain snow hit the area

Posted by Nick Provenza, *The Associated Press*

The strongest storm of the season so far in Washington has brought high winds, heavy mountain snow and power outages in south King and Thurston counties.

Wind gusts early this morning hit 60 mph on the coast and 55 mph in the south Puget Sound area, said meteorologist Ted Buehner in Seattle.

Winds of 35 mph and heavy snow are creating blizzard-like conditions in the Cascades. Snow accumulations from the storm that started Sunday are likely to total 2 to 3 feet by tomorrow morning.

The strong winds knocked out power for about 8,000 Puget Sound Energy customers in south King County and Thurston County.

Spokeswoman Julia Hughes says the outages in the area including Auburn, Federal Way and Olympia.

The Bellevue-based utility has dispatched 100 crews and hopes to have customers back on line later Monday, depending on the extent of the damage.

Seattle City Light encourages people to prepare for power outages. If you experience an outage, call 206-684-7400 to report it. You can all go to City Light's System Status Map or its mobile site for outage information. Additional preparedness tips are available at the Take Winter by Storm site.

Be aware that if sustained winds reach 40 miles per hours for one minute, the 520 bridge could be closed due to the danger it would pose.

Things are expected to get colder in the area, dropping the snow level under 1,000 feet today night and that could leave snow on the higher hills in the Puget Sound area.

Snow is already on the ground in parts of Eastern Washington, including Spokane, where another inch or two is forecast Monday.

*Portions of this report were provided by KING5 News.*