



2013
Qualifying Events Report
May 13, 2013 Event

Filed on August 6, 2013

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Event Description

Date of event

May 13, 2013

Event Type

Wind

Service Areas Affected

King, Kitsap and Thurston Counties

Number of Customers Affected

Approximately 63,500 customers were without power over the course of this event.

Summary of System Impacts

Total Number of Outages	267
Distribution Circuits Totally Out	3
Distribution Circuits Partially Out	264

Transmission Circuits Affected	1
Substations Totally Off-line	0

Mobilization Summary

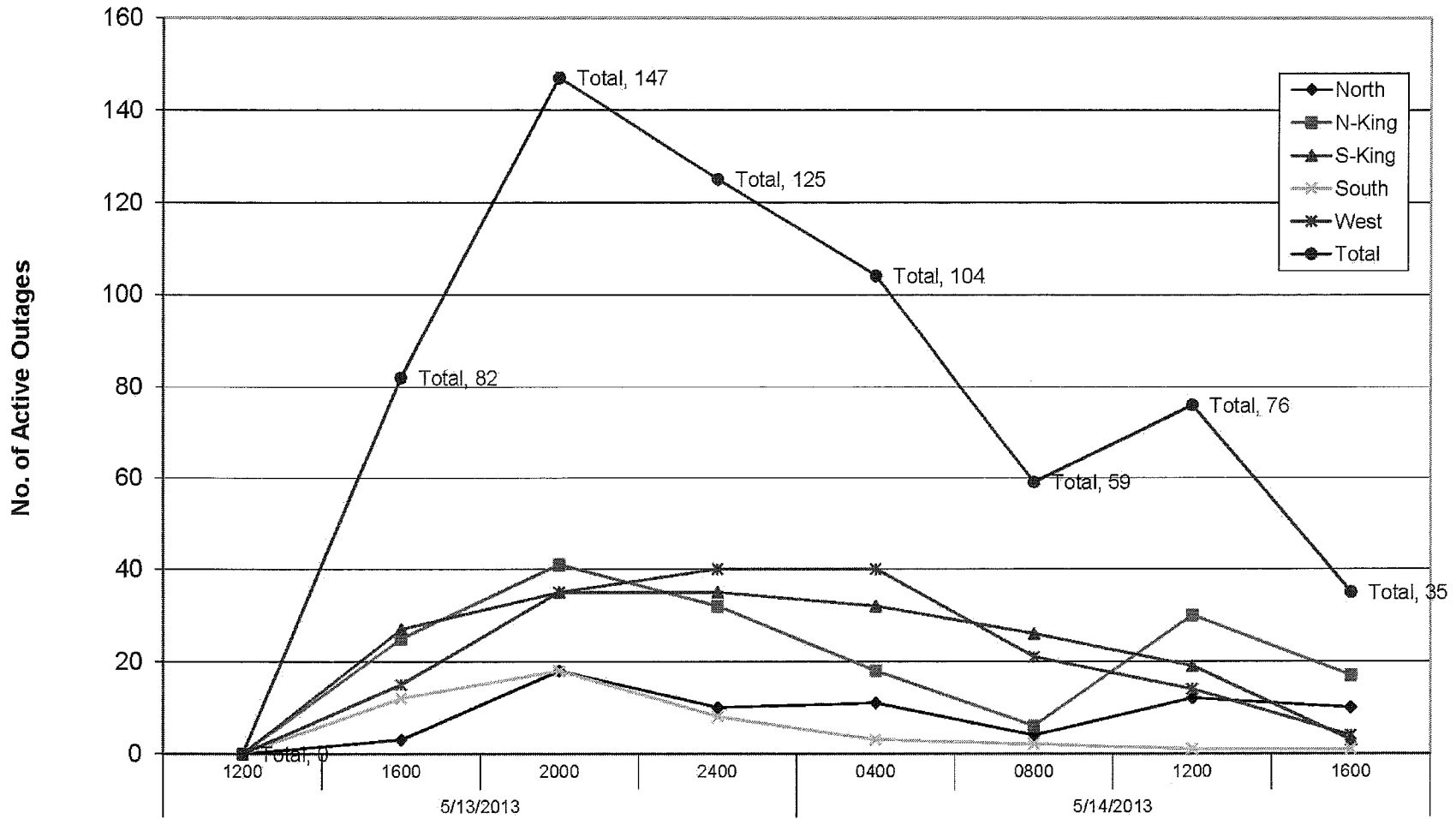
Operating Bases

Base	Date Opened	Time Opened	Date Closed	Time Closed
North King	05/13/2013	18:30	05/14/2013	13:15
South King	05/13/2013	18:30	05/14/2013	12:30
Thurston	05/13/2013	18:30	05/13/2013	23:30
Kitsap	05/13/2013	18:30	05/14/2013	13:15

Emergency Coordination Center (ECC)

ECC	Date Opened	Time Opened	Date Closed	Time Closed
	Not Opened			

Outage Events – May 13, 2013 to May 14, 2013



Major Event Day – Qualification

IEEE 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 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 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 SAIDI¹ 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 Tmed where $Tmed = \exp(\text{Alpha} + 2.5 * \text{Beta})$
7. Any day in the next year with SAIDI > Tmed is a major event day.

Puget Sound Energy's IEEE² Major Event Threshold for 2013: 5.62 Minutes

Qualified Events - 2013

Current Event – Calculation Detail

Event Date	Total Customer Minutes	Average Customer Count	Daily SAIDI – Customer Minutes /Customer Count
05/13/2013	15,966,714	1,066,743	14.97

Cumulative list of events that have qualified

Date(s)	T-med Score	O&M ³ – Deferrable Accumulation
05/13/2013	5.62	\$895,004

¹ SAIDI: System Average Interruption Duration Index

² IEEE: Institute of Electrical and Electronics Engineers

³ O&M: Operations and Maintenance

Event Restoration – Cost Summary

Restoration Cost Detail by Qualifying Event as of May 13, 2013

Date	Qualified Events Deferred Account	Capital	C&D ⁴ Costs Recoverable from Direct Billings (Costs Not Yet Billed)	O&M – Not Deferrable	O&M – Deferrable Accumulation	Total O&M	Total
05/13/2013		\$88,371	\$0	\$104,374	\$895,004	\$999,378	\$1,087,749

YTD Storm Restoration Cost Detail at of May 13, 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
\$0	\$88,371	\$0	\$104,374	\$895,004	\$999,378	\$1,087,749

⁴ C&D: Clearing and Deferred

Qualifying Storm Event
May 13, 2013

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							
May 13, 2013 - Storm Damage Repair Costs							
	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							
Standard Time		\$ 344		\$ -	\$ 41,621	\$ 41,621	\$ 41,966
Overtime		\$ -		\$ -	\$ 97,370	\$ 97,370	\$ 97,370
Total Labor	\$ -	\$ 344	\$ -	\$ -	\$ 138,991	\$ 138,991	\$ 139,335
				\$			
Labor Overhead		\$ 247		(48,046)	\$ 131,454	\$ 83,408	\$ 83,655
Materials		\$ 25,966		\$ -	\$ 41,186	\$ 41,186	\$ 67,153
Contractors		\$ 47,974		\$ -	\$ 667,077	\$ 667,077	\$ 715,051
Other Direct Charges		\$ -		\$ -	\$ 6,050	\$ 6,050	\$ 6,050
Fleet		\$ 32		\$ -	\$ 40,994	\$ 40,994	\$ 41,026
Other Assessments		\$ 13,808		\$ 152,420	\$ (130,749)	\$ 21,670	\$ 35,479
Deferred Expenses					\$ -	\$ -	\$ -
	\$ -	\$ 88,371	\$ -	\$ 104,374	\$ 895,004	\$ 999,378	\$1,087,749

IEEE Standard 1366 - Detailed List of Distribution Circuits with Outages

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST. OUT	CUST. MIN
P00009724-1	5/13/2013	1:30:06 PM	CHR-22	ECE	TV	OCO	319	31,118
P00009717-1	5/13/2013	1:36:27 PM	EDG-16	ECA	TF	OCO	63	7,658
P00009721-1	5/13/2013	1:38:02 PM	PMA-16	ECE	TV	OTF	2	310
P00009730-1	5/13/2013	1:41:00 PM	SHA-15	ECA	TF	OSW	539	87,970
P00009733-1	5/13/2013	1:41:52 PM	DGR-15	ECA	TF	OCO	979	105,487
P00009804-1	5/13/2013	1:43:20 PM	LEA-15	EBJ	TV	OCR	537	299,898
P00009749-1	5/13/2013	1:44:48 PM	SHD-18	EBI	TV	OCO	1,381	199,140
P00009757-1	5/13/2013	1:46:04 PM	LMD-15	EBJ	TF	OCO	2,355	398,348
P00009756-1	5/13/2013	1:46:05 PM	DGR-16	ECA	TV	OCO	4	1,625
P00009771-1	5/13/2013	1:47:08 PM	SEQ-13	EBJ	TV	OCO	26	29,851
P00010651-1	5/13/2013	1:48:05 PM	SEQ-22	EBJ	TV	OFU	199	86,071
P00009895-1	5/13/2013	1:48:18 PM	SEQ-17	EBJ	TV	OHR	465	331,948
P00009791-1	5/13/2013	1:48:49 PM	RHO-15	ECA	TV	OCO	35	5,079
P00009947-1	5/13/2013	1:48:53 PM	SOO-25	EBI	TF	OHR	1,002	720,522
P00009859-1	5/13/2013	1:49:02 PM	WOO-25	ECA	TF	OCO	31	3,967
P00009801-1	5/13/2013	1:49:39 PM	PRE-13	EBE	TV	OCO	50	5,410
P00009827-1	5/13/2013	1:50:00 PM	PIP-23	EBI	TF	OPO	2,826	631,412
P00009830-1	5/13/2013	1:50:07 PM	PLA-23	EBD	TV	OCO	309	175,533
P00010032-1	5/13/2013	1:50:53 PM	WAB-13	EBI	TF	OFU	230	183,567
P00009837-1	5/13/2013	1:51:42 PM	ING-15	EBD	LI	PTF	4	319
P00009842-1	5/13/2013	1:51:59 PM	ROL-15	EBJ	LI	OFC	28	37,723
P00011140-1	5/13/2013	1:52:13 PM	PIP-22	EBI	LI	OTF	8	6,175
P00009855-1	5/13/2013	1:52:13 PM	GAR-12	ECA	TV	OCO	9	2,406
P00009864-1	5/13/2013	1:52:46 PM	SOO-26	EBI	TV	OJU	257	223,290
P00010721-1	5/13/2013	1:53:16 PM	LEA-15	EBJ	TV	OPO	1	1,083
P00009945-1	5/13/2013	1:53:28 PM	HOB-16	EBI	TV	OFU	65	26,962
P00009948-1	5/13/2013	1:53:52 PM	PIK-21	EBF	TV	OCO	584	423,916
P00009969-1	5/13/2013	1:54:10 PM	PIN-26	EBD	FI	OCO	677	295,190
P00009910-1	5/13/2013	1:54:32 PM	GLC-15	EBJ	TV	OCO	9	5,556
P00009922-1	5/13/2013	1:55:11 PM	BUC-26	ECA	TF	OCO	43	4,817
P00009942-1	5/13/2013	1:56:11 PM	COL-25	EBE	TO	OCO	27	2,208
P00009946-1	5/13/2013	1:56:41 PM	BDI-13	EBI	TV	OPO	17	20,989
P00009956-1	5/13/2013	1:56:51 PM	LMC-23	EBE	TV	OCO	119	24,288
P00010022-1	5/13/2013	1:57:14 PM	BDI-15	EBI	TV	OHR	162	188,044
P00009963-1	5/13/2013	1:57:18 PM	MIR-15	EBF	TF	OCN	62	50,531
P00009983-1	5/13/2013	1:58:22 PM	HOB-16	EBI	TO	OCO	15	22,610
P00011925-1	5/13/2013	1:59:22 PM	HOB-16	EBI	TV	OCO	13	11,569
P00010003-1	5/13/2013	1:59:35 PM	HOB-16	EBI	TV	OFU	54	65,182
P00010006-1	5/13/2013	1:59:41 PM	LWS-12	EBJ	TV	UTC	3	4,296
P00010540-1	5/13/2013	2:00:04 PM	MIR-15	EBF	TV	OCO	152	216,096
P00010020-1	5/13/2013	2:00:34 PM	FAL-13	EBF	TO	OCO	26	20,450
P00010024-1	5/13/2013	2:00:51 PM	MIR-15	EBF	TV	OCO	11	20,024
P00010031-1	5/13/2013	2:01:11 PM	OSC-22	EBI	TV	OFU	70	88,607
P00010049-1	5/13/2013	2:03:47 PM	BDI-15	EBI	TF	UTC	40	52,369
P00010052-1	5/13/2013	2:04:11 PM	DGR-15	ECA	TF	OCO	21	13,761

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST. OUT	CUST. MIN
P00010895-1	5/13/2013	2:05:24 PM	DUV-15	EBD	TV	OCO	350	137,673
P00011687-1	5/13/2013	2:05:24 PM	DUV-15	EBD	TV	OCO	1,182	783,970
P00010085-1	5/13/2013	2:07:00 PM	FAL-16	EBF	TF	OCO	465	108,407
P00010084-1	5/13/2013	2:07:34 PM	DUV-12	EBD	TV	OPO	25	32,109
P00010127-1	5/13/2013	2:10:12 PM	DUV-12	EBD	TF	OCO	113	36,343
P00010228-1	5/13/2013	2:10:18 PM	MSI-24	EBF	TO	OCO	77	22,602
P00010113-1	5/13/2013	2:12:03 PM	TOL-17	EBD	TV	OCO	267	50,984
P00010203-1	5/13/2013	2:13:00 PM	TLN-0018	ECC	TV	OCO	8,818	401,965
P00009655-1	5/13/2013	2:13:00 PM	SWD-01	ECE	TO	OCO	3,717	282,492
P00010141-1	5/13/2013	2:16:41 PM	HOB-17	EBI	TV	OTR	2	1,615
P00010504-1	5/13/2013	2:16:53 PM	MER-12	EBE	TV	OCO	45	7,565
P00012061-1	5/13/2013	2:17:50 PM	WIS-16	EBF	TV	OCO	7	9,380
P00010192-1	5/13/2013	2:17:56 PM	BUC-26	ECA	EF	PTF	5	2,041
P00010202-1	5/13/2013	2:18:13 PM	NBE-13	EBF	TF	OCO	949	112,947
P00010260-1	5/13/2013	2:19:42 PM	PMA-15	ECE	TF	OTR	55	65,899
P00010620-1	5/13/2013	2:25:43 PM	CEK-14	ECE	TV	OCO	3,282	982,850
P00010411-1	5/13/2013	2:26:01 PM	ORT-22	ECA	EF	OTF	1	600
P00010511-1	5/13/2013	2:34:33 PM	BDI-13	EBI	TV	OFU	26	14,697
P00010518-1	5/13/2013	2:38:36 PM	BIG-15	EAC	TV	OCO	424	141,623
P00010528-1	5/13/2013	2:42:46 PM	MAN-15	ECD	TO	OCO	90	11,660
P00010567-1	5/13/2013	2:53:37 PM	NRU-27	EBE	TV	OCO	24	9,656
P00010667-1	5/13/2013	3:01:20 PM	FAL-15	EBF	TV	OCO	121	11,670
P00010597-1	5/13/2013	3:07:57 PM	TRA-22	ECE	TF	OTR	1	64
P00010604-1	5/13/2013	3:09:04 PM	LMD-12	EBJ	TV	OTF	5	4,938
P00011583-1	5/13/2013	3:12:29 PM	PIN-26	EBD	EF	OFU	32	21,783
P00010654-1	5/13/2013	3:27:52 PM	LMC-23	EBE	TF	OSV	5	4,214
P00010720-1	5/13/2013	3:30:00 PM	SWD-14	ECE	TO	OCO	896	87,808
P00010659-1	5/13/2013	3:30:18 PM	FRA-12	ECD	TF	OCO	5	7,096
P00010670-1	5/13/2013	3:35:45 PM	BTN-36	EAC	TV	OCO	20	8,065
P00010674-1	5/13/2013	3:36:53 PM	KIN-24	ECE	TO	OCO	99	27,256
P00010703-1	5/13/2013	3:36:54 PM	MIR-17	EBF	TV	OCO	133	55,328
P00010680-1	5/13/2013	3:39:39 PM	EDG-13	ECA	TO	OCO	3	1,754
P00010682-1	5/13/2013	3:40:10 PM	DGR-15	ECA	TO	OJU	81	60,235
P00011008-1	5/13/2013	3:42:23 PM	SKE-26	ECE	TV	OCO	2,178	672,150
P00010707-1	5/13/2013	3:47:00 PM	SIN-23	ECD	TF	OCO	606	253,470
P00010715-1	5/13/2013	3:49:00 PM	SIL-15	ECE	TV	OCO	2,085	344,025
P00010753-1	5/13/2013	3:50:11 PM	CHI-13	ECD	TV	OCO	1,145	422,735
P00010717-1	5/13/2013	3:51:25 PM	CHI-13	ECD	TV	OTF	4	2,730
P00010795-1	5/13/2013	3:53:57 PM	CHI-13	ECD	TV	OCO	151	32,233
P00010729-1	5/13/2013	3:54:34 PM	SCH-15	EAA	TF	OFU	2	140
P00010743-1	5/13/2013	3:57:29 PM	HWD-25	EBD	TO	OCO	6	4,784
P00010749-1	5/13/2013	3:59:08 PM	HOB-15	EBI	TF	OHR	23	3,376
P00011211-1	5/13/2013	3:59:36 PM	WIN-12	ECE	TF	OCO	47	26,854
P00010764-1	5/13/2013	4:03:19 PM	CHI-13	ECD	TV	OCO	32	37,125
P00010766-1	5/13/2013	4:03:36 PM	BLU-16	ECC	TV	OFU	48	15,292
P00010770-1	5/13/2013	4:05:35 PM	MUR-15	ECE	TV	OCO	12	16,997
P00010777-1	5/13/2013	4:08:07 PM	RHO-13	ECA	TV	OCO	122	62,661
P00011584-1	5/13/2013	4:09:49 PM	POU-13	ECE	TO	OFU	16	4,596

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST. OUT	CUST. MIN
P00010790-1	5/13/2013	4:12:16 PM	BLU-13	ECC	UN	OFU	24	6,281
P00010793-1	5/13/2013	4:13:46 PM	VAS-23	EBL	TF	OJU	4	593
P00011570-1	5/13/2013	4:14:54 PM	PMA-15	ECE	TV	OFU	14	11,891
P00010856-1	5/13/2013	4:17:00 PM	BLU-17	ECC	TF	OCO	1,246	142,646
P00010810-1	5/13/2013	4:19:14 PM	CUM-15	EBI	TO	OFU	2	2,712
P00010814-1	5/13/2013	4:19:29 PM	BLU-17	ECC	TV	OTF	9	1,473
P00010828-1	5/13/2013	4:21:45 PM	HWD-22	EBD	TO	OCO	119	65,236
P00010843-1	5/13/2013	4:23:55 PM	BLU-17	ECC	EF	OTF	2	221
P00010860-1	5/13/2013	4:26:38 PM	SME-12	EBE	TV	OCO	240	101,796
P00010859-1	5/13/2013	4:27:46 PM	BRO-15	EAD	TF	OCO	155	37,569
P00010874-1	5/13/2013	4:30:16 PM	AVO-17	EBD	TO	OCO	236	58,803
P00010888-1	5/13/2013	4:31:27 PM	LMD-16	EBJ	TV	OCO	98	73,792
P00010894-1	5/13/2013	4:34:46 PM	NLM-15	EAC	TO	OCO	252	113,975
P00011674-1	5/13/2013	4:37:24 PM	SKI-13	EBD	TV	OCO	29	19,281
P00010913-1	5/13/2013	4:38:06 PM	KLA-17	EBD	UN	OCO	77	33,346
P00010934-1	5/13/2013	4:39:00 PM	SIL-17	ECE	TO	OCO	266	30,479
P00010916-1	5/13/2013	4:39:54 PM	CPV-13	EAD	TF	OCO	541	34,759
P00010929-1	5/13/2013	4:43:01 PM	SIL-13	ECE	TV	OCO	377	54,784
P00010935-1	5/13/2013	4:43:55 PM	HWD-25	EBD	TV	OCO	51	29,889
P00010938-1	5/13/2013	4:45:38 PM	HEM-15	ECA	EF	OCO	333	48,918
P00010947-1	5/13/2013	4:47:00 PM	DUV-15	EBD	TV	OCO	24	9,159
P00010950-1	5/13/2013	4:48:28 PM	NUG-26	EAA	TO	OFU	7	665
P00011471-1	5/13/2013	4:48:42 PM	AVO-15	EBD	TV	OCO	2,477	438,759
P00011525-1	5/13/2013	4:48:58 PM	MAN-12	ECD	TO	OFU	26	9,368
P00011521-1	5/13/2013	4:50:08 PM	SKE-22	ECE	TV	OCO	517	58,619
P00010978-1	5/13/2013	4:52:47 PM	PET-16	EAC	TV	OCO	606	88,413
P00010987-1	5/13/2013	4:53:09 PM	HAM-13	EAC	LI	OCN	34	9,135
P00010993-1	5/13/2013	4:53:47 PM	RPT-23	ECD	TV	OTR	8	4,850
P00010995-1	5/13/2013	4:54:00 PM	PMA-16	ECE	TV	OCO	68	45,593
P00011360-1	5/13/2013	4:54:14 PM	DUV-15	EBD	TV	OCO	113	14,630
P00011072-1	5/13/2013	4:54:45 PM	ROS-21	EBD	TF	OCO	24	8,316
P00011135-1	5/13/2013	4:54:51 PM	PMA-16	ECE	TV	OCO	81	16,841
P00011020-1	5/13/2013	4:56:33 PM	MED-33	EBE	TO	OCO	583	123,850
P00011013-1	5/13/2013	4:56:33 PM	ORT-22	ECA	TF	OCO	50	9,895
P00011220-1	5/13/2013	4:57:00 PM	KIN-22	ECE	TF	OCO	880	110,968
P00011059-1	5/13/2013	4:59:00 PM	NLM-15	EAC	TV	OFU	16	2,211
P00011648-1	5/13/2013	5:01:44 PM	ROS-21	EBD	TV	OCO	1,159	234,427
P00011085-1	5/13/2013	5:02:32 PM	WOB-23	EAA	OD	OCN	109	36,457
P00011067-1	5/13/2013	5:03:41 PM	PMA-12	ECE	TF	OFU	68	32,190
P00011091-1	5/13/2013	5:04:28 PM	OSC-22	EBI	TV	OFU	1,163	157,218
P00011098-1	5/13/2013	5:06:35 PM	MIR-13	EBF	TF	OTF	3	2,524
P00011128-1	5/13/2013	5:10:18 PM	HAM-15	EAC	TV	OCO	365	334,231
P00011153-1	5/13/2013	5:13:52 PM	ORT-22	ECA	TV	OFU	2	289
P00011156-1	5/13/2013	5:14:00 PM	FRG-23	ECC	TF	OCO	37	12,280
P00011172-1	5/13/2013	5:14:00 PM	PMA-16	ECE	TV	OHR	647	188,941
P00011165-1	5/13/2013	5:15:53 PM	NBO-23	EBD	TV	OCO	1,762	98,894
P00011181-1	5/13/2013	5:17:02 PM	HAZ-16	EBE	TO	OSV	1	2,063
P00011177-1	5/13/2013	5:17:06 PM	PMA-12	ECE	TV	UTC	1	103

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST. OUT	CUST. MIN
P00011178-1	5/13/2013	5:17:07 PM	COT-13	EBD	TF	OCO	1,720	695,409
P00011256-1	5/13/2013	5:20:42 PM	GLA-12	EAA	TV	OFU	110	28,450
P00011266-1	5/13/2013	5:21:59 PM	HOB-15	EBI	TV	OHR	41	9,734
P00011276-1	5/13/2013	5:24:57 PM	LYN-14	EAA	TF	OCO	12	3,069
P00011285-1	5/13/2013	5:25:54 PM	UHL-23	EBD	TV	OTF	1	267
P00011289-1	5/13/2013	5:26:31 PM	LLT-16	EBD	TV	OCO	10	7,631
P00011300-1	5/13/2013	5:28:28 PM	BRS-13	EAC	TF	OFU	135	20,457
P00011328-1	5/13/2013	5:28:44 PM	DUV-12	EBD	TV	OCO	883	109,727
P00011327-1	5/13/2013	5:30:07 PM	HIG-17	EBE	TV	OCO	95	52,677
P00011335-1	5/13/2013	5:34:46 PM	TOL-17	EBD	EF	PTF	2	288
P00011350-1	5/13/2013	5:39:20 PM	BRS-24	EAC	TF	OCO	300	256,400
P00011718-1	5/13/2013	5:50:01 PM	LLT-16	EBD	TV	OCO	486	110,946
P00011387-1	5/13/2013	5:50:19 PM	PEA-15	EBJ	TV	OFC	4	3,182
P00011429-1	5/13/2013	5:53:45 PM	MIL-17	ECE	TV	OCO	175	220,698
P00011448-1	5/13/2013	6:06:46 PM	WOB-23	EAA	TV	OCO	21	10,170
P00011472-1	5/13/2013	6:11:25 PM	SOO-23	EBI	TV	OFU	2	1,774
P00011507-1	5/13/2013	6:14:46 PM	SWD-12	ECE	TV	OCO	46	49,093
P00011498-1	5/13/2013	6:18:07 PM	NBO-22	EBD	TV	OTF	2	258
P00011513-1	5/13/2013	6:23:27 PM	PEA-15	EBJ	EF	OTF	3	3,646
P00011519-1	5/13/2013	6:28:34 PM	VAS-13	EBL	TV	OTF	4	793
P00011533-1	5/13/2013	6:34:13 PM	HOB-17	EBI	TV	OCO	1	44
P00011757-1	5/13/2013	6:36:05 PM	FNW-17	ECD	TV	OFU	1	308
P00011537-1	5/13/2013	6:37:08 PM	BON-17	ECA	TV	OTF	7	1,686
P00011546-1	5/13/2013	6:41:13 PM	BDI-13	EBI	TV	PTF	2	1,887
P00011552-1	5/13/2013	6:46:04 PM	COT-13	EBD	TV	OFU	207	203,744
P00011574-1	5/13/2013	7:02:17 PM	ALG-15	EAC	TF	OTR	1	135
P00011582-1	5/13/2013	7:06:01 PM	CHR-22	ECE	TV	UTC	1	648
P00011603-1	5/13/2013	7:18:40 PM	ORT-23	ECA	TO	OSV	3	923
P00011612-1	5/13/2013	7:25:00 PM	CEK-14	ECE	EF	OFU	62	48,385
P00011613-1	5/13/2013	7:26:39 PM	CEK-14	ECE	EF	OFU	230	74,374
P00011618-1	5/13/2013	7:30:37 PM	HAM-15	EAC	TV	UPT	24	12,860
P00011620-1	5/13/2013	7:32:34 PM	PMA-16	ECE	TV	OFU	22	13,459
P00011744-1	5/13/2013	7:32:49 PM	CHI-13	ECD	TV	OCO	132	61,008
P00011626-1	5/13/2013	7:34:42 PM	BLU-17	ECC	TV	OTF	2	13
P00011632-1	5/13/2013	7:39:00 PM	PMA-15	ECE	TV	OTR	4	4,496
P00011641-1	5/13/2013	7:45:20 PM	CHI-13	ECD	TV	OTF	5	2,373
P00011646-1	5/13/2013	7:49:00 PM	BLU-17	ECC	TF	OCO	25	5,543
P00011699-1	5/13/2013	8:07:45 PM	ZEN-26	EBJ	TV	OFU	28	1,818
11081114	5/13/2013	8:09:00 PM	BLU-13	ECC	UN	OFU	340	8,160
P00011705-1	5/13/2013	8:19:09 PM	SKE-22	ECE	TV	OTF	1	101
P00011732-1	5/13/2013	8:28:00 PM	POU-13	ECE	TV	OCO	2	1,864
P00011734-1	5/13/2013	8:28:26 PM	KIN-24	ECE	TV	OCO	99	113,901
P00011761-1	5/13/2013	8:45:38 PM	SKE-23	ECE	EF	PTF	6	3,997
P00011778-1	5/13/2013	8:50:40 PM	DUV-15	EBD	TV	OCO	130	39,102
P00011779-1	5/13/2013	9:03:50 PM	BRE-21	ECD	TV	OTF	6	2,017
P00011780-1	5/13/2013	9:07:21 PM	AVO-15	EBD	TV	OCO	15	2,990
P00011782-1	5/13/2013	9:09:00 PM	SKE-23	ECE	TV	OFU	5	5,524
P00011785-1	5/13/2013	9:10:51 PM	SKE-26	ECE	EF	PTF	6	3,505

Qualifying Storm Event
May 13, 2013

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST. OUT	CUST. MIN
P00011960-1	5/13/2013	9:12:11 PM	AVO-17	EBD	OD	OCO	1	664
P00011798-1	5/13/2013	9:21:23 PM	PIP-23	EBI	TV	OFU	16	3,235
P00011806-1	5/13/2013	9:29:14 PM	CHI-13	ECD	EF	PTF	3	179
P00011809-1	5/13/2013	9:30:00 PM	SKE-26	ECE	EF	OFU	16	11,596
P00011963-1	5/13/2013	9:36:53 PM	SHD-18	EBI	TF	OCO	90	91,946
P00011826-1	5/13/2013	9:47:02 PM	AVO-15	EBD	EF	PTF	45	3,348
P00011830-1	5/13/2013	9:52:16 PM	SWD-13	ECE	TV	OCO	1	701
P00011833-1	5/13/2013	10:01:00 PM	LLT-16	EBD	TV	OCO	486	15,001
P00011841-1	5/13/2013	10:03:55 PM	LLT-13	EBD	TV	OCO	24	20,335
P00011857-1	5/13/2013	10:25:39 PM	GLA-12	EAA	TV	OCO	2	198
P00011864-1	5/13/2013	10:33:44 PM	HOB-17	EBI	TV	OCO	1	694
P00011877-1	5/13/2013	10:56:10 PM	SHE-25	ECE	TV	OTF	6	1,175
P00011888-1	5/13/2013	11:16:50 PM	UHL-23	EBD	EF	OTF	1	22
P00011926-1	5/14/2013	12:08:15 AM	NLM-15	EAC	EF	OSV	1	122
P00011931-1	5/14/2013	12:57:53 AM	LEA-13	EBJ	EF	PTF	4	2,780
P00011944-1	5/14/2013	2:44:53 AM	CUM-13	EBI	TV	OCO	4	1,241
P00011946-1	5/14/2013	3:05:53 AM	BDI-13	EBI	TV	OFU	25	11,634
P00011947-1	5/14/2013	3:07:06 AM	BRE-21	ECD	EF	OTF	6	5,136
P00011949-1	5/14/2013	3:10:10 AM	AVO-15	EBD	TV	OCO	15	7,686
11081087	5/14/2013	3:35:00 AM	SHA-15	ECA	TF	OSW	79	1,027
P00011962-1	5/14/2013	5:15:45 AM	SHE-16	ECE	TV	OTF	4	389
P00011964-1	5/14/2013	5:19:38 AM	MSI-24	EBF	TO	OJU	24	9,911
P00011969-1	5/14/2013	5:28:58 AM	HWD-22	EBD	OD	OFU	1	466
11081557	5/14/2013	5:32:00 AM	BRS-24	EAC	TF	OCO	130	18,460
P00011990-1	5/14/2013	6:27:13 AM	VAS-13	EBL	TF	OCO	7	3,913
P00011991-1	5/14/2013	6:28:00 AM	PIN-26	EBD	EF	UPC	12	14,505
P00012007-1	5/14/2013	6:47:59 AM	CEK-14	ECE	TV	OCO	5	730
P00012009-1	5/14/2013	6:52:00 AM	PMA-16	ECE	TV	OCO	7	2,392
P00012008-1	5/14/2013	6:52:30 AM	SME-13	EBE	TO	PTF	3	1,299
P00012010-1	5/14/2013	6:54:17 AM	SHE-16	ECE	EF	OTF	4	2,123
P00012014-1	5/14/2013	6:58:39 AM	NRU-27	EBE	EF	OJU	24	5,576
11081358	5/14/2013	7:05:00 AM	KLA-17	EBF	UN	OCO	31	11,315
P00012017-1	5/14/2013	7:10:43 AM	HAZ-13	EBE	TV	OTF	7	866
P00012018-1	5/14/2013	7:13:13 AM	DUV-13	EBD	BA	OTF	1	344
P00012028-1	5/14/2013	7:27:43 AM	SAH-17	EBD	EF	OTF	2	858
P00012042-1	5/14/2013	7:34:13 AM	DUV-15	EBD	TF	OFU	13	9,794
P00012035-1	5/14/2013	7:35:58 AM	SKE-23	ECE	EF	PTF	9	2,061
P00012039-1	5/14/2013	7:45:55 AM	DUV-12	EBD	TO	OPO	1	614
P00012040-1	5/14/2013	7:49:09 AM	PLA-24	EBD	EF	UEL	35	13,542
P00012044-1	5/14/2013	7:59:01 AM	KCR-16	EBJ	EF	OJU	1	218
P00012049-1	5/14/2013	8:09:24 AM	GOO-13	EBF	TO	OFU	1	418
P00012050-1	5/14/2013	8:13:38 AM	AVO-17	EBD	TV	UTC	4	575
P00012054-1	5/14/2013	8:15:47 AM	EDG-13	ECA	TV	OFU	1	32
P00012060-1	5/14/2013	8:27:26 AM	CHI-13	ECD	TO	OSV	4	1,067
P00012063-1	5/14/2013	8:30:24 AM	SWD-13	ECE	TV	OCO	7	2,495
P00012067-1	5/14/2013	8:34:56 AM	DUV-15	EBD	EF	OTF	3	1,688
P00012069-1	5/14/2013	8:36:04 AM	AIR-23	ECC	TV	OTF	1	70
P00012076-1	5/14/2013	8:52:41 AM	UHL-22	EBD	EF	OTF	4	1,015

Qualifying Storm Event
 May 13, 2013

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST. OUT	CUST. MIN
P00012077-1	5/14/2013	8:53:31 AM	BTR-21	EBE	TV	OCO	4	1,141
P00012078-1	5/14/2013	8:57:00 AM	CEK-14	ECE	EF	PTF	1	150
P00012093-1	5/14/2013	9:16:02 AM	HOU-26	EBD	TO	OCN	2	792
P00012096-1	5/14/2013	9:17:20 AM	GAG-11	EAC	LI	OTF	1	186
P00012100-1	5/14/2013	9:18:56 AM	PMA-16	ECE	TO	OTF	2	966
P00012114-1	5/14/2013	9:44:48 AM	BDI-15	EBI	TV	UTC	287	2,540
P00012117-1	5/14/2013	9:53:17 AM	GAG-12	EAC	LI	OTF	1	152
P00012123-1	5/14/2013	10:06:05 AM	PIK-21	EBF	TO	OTF	1	559
P00012124-1	5/14/2013	10:08:24 AM	OSC-23	EBI	TV	OFU	1	228
P00012132-1	5/14/2013	10:25:19 AM	SOO-25	EBI	TV	OCO	2	287
P00012165-1	5/14/2013	11:24:54 AM	VAS-23	EBL	BA	OTF	45	9,011
P00012194-1	5/14/2013	12:42:37 PM	FWD-17	EBJ	TF	OSV	1	126
P00012196-1	5/14/2013	12:50:14 PM	SKE-26	ECE	EF	UPC	16	1,610
P00012199-1	5/14/2013	12:59:57 PM	TOL-17	EBD	TV	OFU	3	1,011
P00012200-1	5/14/2013	1:09:21 PM	TOL-17	EBD	TF	OCO	6	1,145
11074281	5/14/2013	1:22:00 PM	BRS-13	EAC	EF	OPO	1	113
P00012205-1	5/14/2013	1:30:00 PM	PAT-15	ECC	EF	UPT	5	695
P00012216-1	5/14/2013	1:47:38 PM	TOL-17	EBD	TO	OTF	2	572
P00012227-1	5/14/2013	2:22:00 PM	HOB-15	EBI	TO	OTR	4	1,275

Terms, Codes and Definitions Used on Detail Reports

Notification (NUMBER)	[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)	[Reference Circuit] 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
	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

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 Coverage

The Seattle Times

Tuesday, May 14, 2013

22,000 lose power as wind downs trees, lines

Thunderstorms across Western Washington brought wind gusts that tore down trees and power lines, cutting energy to thousands.

By Alexa Vaughn

Power was knocked out for more than 22,000 customers in the Puget Sound area Monday as windy, scattered thunderstorms tore down trees and power lines throughout Western Washington.

Wind gusts reached highs of 45 mph on Alki Point in Seattle and in Snohomish, 44 mph in Tacoma and about 40 mph in Everett, Bellevue and on Whidbey Island, according to the National Weather Service.

Utility crews and firefighters responded to calls of trees and branches falling on houses, and they fixed dead, live wires hanging over roadways in areas including Seattle, Bothell, Edgewood, Puyallup, North Bend, and Whidbey and Bainbridge islands.

Downed lines at Green River Community College in Auburn trapped a woman in her car for two hours after a tree fell on five vehicles and brought lines down on 20.

After Puget Sound Energy workers made sure the wires on her car were not live, the woman was able to get out uninjured, according to college spokeswoman Vickie Sheehan.

“A big gust of wind came here, and we heard three pops that we thought were transformers blowing,” Sheehan said. When college officials saw the scene in the parking lot and that power had been knocked out to the entire campus, they canceled all classes for the day.

Puget Sound Energy reported Monday afternoon that as many as 22,338 of its customers were without power in 288 locations.

Seattle City Light reported fewer outages, but responded along with the Seattle Fire Department to downed lines in North Seattle and West Seattle Monday afternoon. One live wire hung about 10 feet above the ground near the intersection of Northeast 125th Street and Roosevelt Way Northeast, according to The Seattle Times news partner Ravenna Blog.

Downed trees and power lines also slowed rush-hour commutes, especially for people who had to drive around a tree that blocked two right lanes of southbound Interstate 5, just north of Northeast 145th Street.

As much trouble as Monday’s weather caused, similar thunderstorms aren’t unusual here in May and June, said weather service meteorologist Danny Mercer.

“This is the time of year when thunderstorms come because we have warm weather for a couple days, and then a cool front,” Mercer said. “We have a trough come through, and the area of low pressure creates a rising motion and instability.”

Mercer said the weather service recorded at least 200 lightning strikes throughout Western Washington on Monday afternoon.

He said the heavy wind gusts and lightning are gone for the rest of the week, though.

Forecasts for Tuesday call for partly cloudy weather, chance of showers and temperatures in the 60s.



Pedestrians caught in a combination of rain and wind, even thunder, rush along First Avenue in search of shelter.

PuyallupPatch

Monday, May 13, 2013

Tree Wipes Out Power Pole in Puyallup, Closes Shaw Road

By Lauren Padgett

High winds knocked a tree on to a power pole on the 1100 block of Shaw Road in Puyallup, causing power outages and road closures in the area.

UPDATE 5/13/13 8:13 p.m.

Shaw Road is still closed but should be open within an hour, according to Puyallup Police.

Shaw Road East is closed from Pioneer Way East to 15th Avenue SE while Puget Sound Energy and Puyallup Public Works crews attempt to restore power and remove a fallen tree. There is no estimated time of when the roads will be open or power restored, according to Puyallup Police.

PSE has shut off power while they clear the downed power lines, PPD said.

The fallen tree caused some headaches to Shaw Road Elementary families this afternoon, as the road was blocked south of the school.

If you're stuck in traffic, PPD advises to use Pioneer, 25th St SE and 12th Avenue to bypass the closure.



May 13, 2013

Thunderstorms, lightning strikes pummel Western Washington

BY Stephanie Klein

A Silverdale woman was injured Monday after a tree crashed into her home, just one of many incidents reported across Western Washington after a powerful band of thunderstorms rolled across the region Monday afternoon.

The Silverdale woman managed to call firefighters after a tree fell into house in the 13000 block of Lakeridge Circle NW.

Officials say she was pinned in her bed upstairs by the tree and roof materials. A medic unit transported her to Harrison Bremerton with leg injuries and other moderate injuries.

The woman had reportedly fallen asleep but had her cell phone nearby and was able to call 911.

There were numerous other reports of trees crashing into cars and homes as the storm brought strong winds and heavy rain to the area.

At Green River Community College in Auburn, several trees fell onto cars. A tree fell on a house in Edgewood, Pierce County, east of Fife.

"It looks like it's 9 o'clock at night right now," Dori Monson noted on KIRO Radio Monday afternoon. "This may be the darkest May 13th in the history of humankind. It could be today's sign the end is near."

Puget Sound Energy reported over 22,000 outages across the area including a number in Renton, Poulsbo, Fall City, Sumner, Auburn, Maple Valley and Issaquah.

"We had over 30 lightning strikes in the area," said meteorologist Josh Smith with the National Weather Service in Seattle. "They were just east of Seattle mostly, but we had a few strikes in Seattle and out on the Kitsap Peninsula." But as they say, if you don't like the weather around here, just wait a few minutes. Tuesday is expected to be sunny and showers return again on Wednesday. The weekend forecast includes both rain and sun.

Power out along Beach Crest Drive

Beach Crest Drive on Bainbridge Island lost power Monday afternoon after tree branches fell on power lines that served the neighborhood.

Beach Crest Drive is near Manitou Beach.

Puget Sound Energy has been made aware of the power outage.

There is currently no word on when the electricity will be returned to the area.

Bainbridge Island has been buffeted by strong winds Monday. The National Weather Service in Seattle reported southwest winds of 26 miles per hour Monday afternoon in the area, with gusts up to 37 mph.

Thunderstorms are possible in the region late Monday until 11 p.m., according to the National Weather Service.