



2010 Qualifying Storm Events

December 14, 2010

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Event Description

Date of Event

December 14, 2010

Event Type

Windstorm.

Service Areas Affected

This weather event affected King, Pierce, Thurston, and Kitsap Counties.

Number of Customers Affected

Approximately 69,500 customers were without power over the course of this outage event.

Summary of System Impacts

Total Number of Outages	241
Distribution Circuits Totally Out	1
Distribution Circuits Partially Out	240

Transmission Circuits Affected	5
Substations Totally Off-line	1

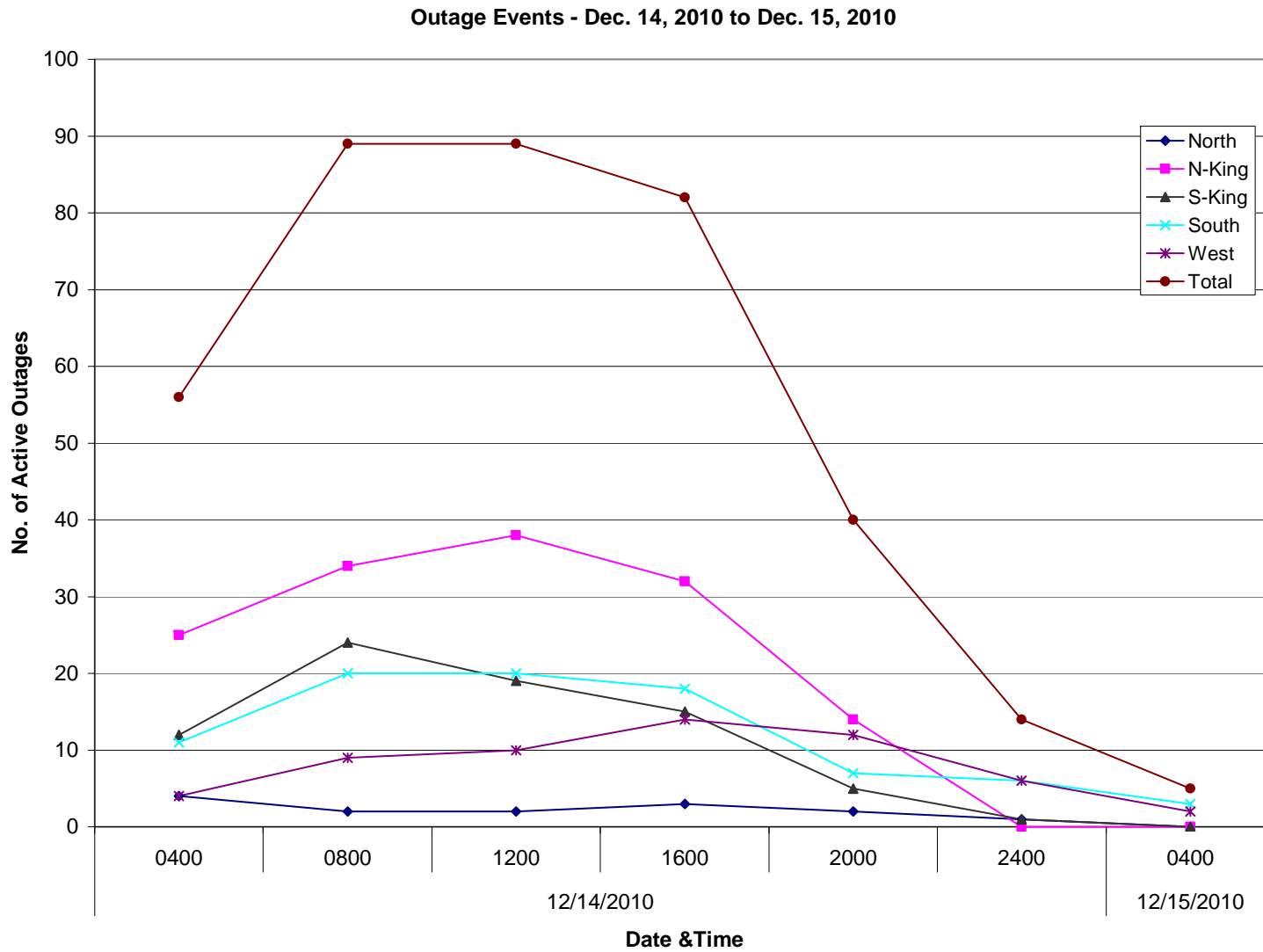
Mobilization Summary

Operating Bases

Base	Date Opened	Time Opened	Date Closed	Time Closed
South King	12/14/2010	02:15	12/14/2010	22:00
North King	12/14/2010	02:00	12/14/2010	21:30
Pierce	12/14/2010	01:30	12/14/2010	21:00
Thurston	12/14/2010	01:30	12/14/2010	20:45
Kitsap	12/14/2010	04:45	12/14/2010	24:00
Vashon	12/14/2010	04:45	12/14/2010	24:00

Emergency Operations Center

EOC	Date Opened	Time Opened	Date Closed	Time Closed
	12/14/2010	05:45	12/14/2010	18:00



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

Puget Sound Energy's Major Event Threshold for 2010: 7.21 Minutes

Qualified Events - 2010

Current Event – Calculation Detail

Event Date	Total Customer Minutes	Average Customer Count	Daily SAIDI – Customer Minutes /Customer Count
12/14/2010	21,560,985	1,085,427	19.86

Cumulative list of events that have qualified

Date(s)	T-med Score	O&M – Deferrable Accumulation
01/17/2010	29.25	\$862,417
03/16/2010	10.61	\$481,430
05/03/2010	13.55	\$721,305
11/15/2010	101.18	\$5,016,951
11/22/2010	124.14	\$917,897
12/14/2010	19.86	\$0

Event Restoration – Cost Summary

Restoration Cost Detail by Qualifying Event

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
01/17/2010	\$0	\$50,785	\$0	\$79,959	\$862,417	\$942,376	\$993,161
03/16/2010	\$0	\$110,581	\$0	\$43,339	\$481,430	\$524,769	\$635,349
05/03/2010	\$0	\$154,017	\$0	\$44,568	\$721,305	\$765,872	\$919,889
11/15/2010	\$0	\$578,471	\$0	\$261,686	\$5,016,951	\$5,278,638	\$5,857,108
11/22/2010	\$7,837,044	\$932,518	\$0	\$342,190	\$917,897	\$1,260,087	\$10,029,649
12/14/2010	\$1,542,934	\$462,136	\$0	\$100,375	\$0	\$100,375	\$2,105,445

YTD Storm Restoration Cost Detail – Through December 14, 2010

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
\$9,379,978	\$2,288,507	\$0	\$872,117	\$8,000,000	\$8,872,117	\$20,540,602

Qualifying Storm Event
December 14, 2010

Detail Documents

Restoration Cost Detail – Current Event

Detailed List of Distribution Circuits with Outages

Terms, Codes & Definitions Used on Detail Reports

Newsprint Media Coverage

Restoration Cost Detail – Current Event

Puget Sound Energy December 14, 2010 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							
ST		\$ 1,422		\$ 36,012	\$ 26,135	\$ 62,147	\$ 63,568
OT					\$ 140,780	\$ 140,780	\$ 140,780
Total Labor	\$ -	\$ 1,422	\$ -	\$ 36,012	\$ 166,915	\$ 202,927	\$ 204,349
Labor OH		\$ 834		\$ 25,671	\$ 75,441	\$ 101,112	\$ 101,945
Materials		\$ 69,833		\$ 17,703	\$ 59,311	\$ 77,014	\$ 146,847
Contractors		\$ 321,112		\$ 1,433	\$ 1,198,656	\$ 1,200,089	\$ 1,521,201
Other Direct Charges					\$ 11,767	\$ 11,767	\$ 11,767
Fleet		\$ 94			\$ 30,845	\$ 30,845	\$ 30,939
Other Assessments		\$ 68,842		\$ 19,556	\$ 0	\$ 19,556	\$ 88,398
Deferred Expenses	\$ 1,542,934				\$ (1,542,934)	\$ (1,542,934)	\$ -
	<u>\$ 1,542,934</u>	<u>\$ 462,136</u>	<u>\$ -</u>	<u>\$ 100,375</u>	<u>\$ -</u>	<u>\$ 100,375</u>	<u>\$ 2,105,445</u>

IEEE-1366 - Detailed List of Distribution Circuits with Outages

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E391946857	12/14/2010	12:00:07 AM	GRI-16	ECC	TV	OCO	1,264	189,453
E875930123	12/14/2010	12:10:58 AM	PLG-13	ECC	TV	OPO	1,124	446,993
E715779450	12/14/2010	12:11:42 AM	CHA-15	ECC	TV	OCO	2	1,743
E959238383	12/14/2010	12:12:25 AM	DEC-17	ECC	TV	OCO	12	8,959
E646288481	12/14/2010	12:13:01 AM	PRI-13	ECC	TV	OCO	160	102,557
E127743239	12/14/2010	12:15:55 AM	SWI-15	ECC	TF	OCO	2,739	570,451
E028866082	12/14/2010	12:18:33 AM	FRG-24	ECC	TV	OCO	43	55,962
E675408994	12/14/2010	12:19:44 AM	CHA-16	ECC	TV	OCO	1,413	1,247,796
E175334448	12/14/2010	12:21:31 AM	WOL-25	ECC	TV	OCO	1,419	406,520
E129942731	12/14/2010	12:25:00 AM	FRA-12	ECD	TV	OPO	21	25,914
E558946198	12/14/2010	12:25:08 AM	FRA-12	ECD	TV	OCO	1,063	749,447
E265278551	12/14/2010	12:26:00 AM	KAP-16	ECA	TF	CDH	1,321	506,316
E473680875	12/14/2010	12:28:22 AM	SWI-16	ECC	TV	OCO	12	13,700
E562807109	12/14/2010	12:30:27 AM	AIR-23	ECC	TV	OCO	1,311	152,797
E463143915	12/14/2010	12:31:00 AM	FCH-24	ECA	TF	OCO	1,802	499,154
E707798317	12/14/2010	12:31:00 AM	HEM-17	ECA	TF	OCO	1,705	373,395
E766656188	12/14/2010	12:31:26 AM	TAN-16	ECC	TV	OCO	177	73,555
E037838568	12/14/2010	12:31:52 AM	FRG-23	ECC	TV	OCO	77	67,616
E643022607	12/14/2010	12:33:20 AM	LOL-21	ECD	TV	OCO	1,484	349,729
E972093561	12/14/2010	12:33:56 AM	HAW-12	ECC	TV	OCO	18	12,151
E533011232	12/14/2010	12:34:12 AM	PAT-15	ECC	TV	OCO	62	59,818
E907536575	12/14/2010	12:36:25 AM	FRA-16	ECD	TO	OCO	1,315	392,637
E148692363	12/14/2010	12:37:00 AM	RHO-16	ECA	TV	OCO	2,369	594,619
E710475014	12/14/2010	12:37:10 AM	FRA-13	ECD	TV	OFU	52	44,763
E591528141	12/14/2010	12:40:31 AM	PMA-13	ECE	TV	OFU	18	11,151
E835516279	12/14/2010	12:41:19 AM	PRI-23	ECC	TV	OSV	8	3,205
E210959401	12/14/2010	12:41:45 AM	CHI-12	ECD	TV	OFC	78	53,372
E612237394	12/14/2010	12:42:00 AM	WLK-13	ECA	TV	OCO	1,049	463,662
E901996125	12/14/2010	12:44:32 AM	EDG-12	ECA	TV	OCO	24	19,571
E104788652	12/14/2010	12:44:52 AM	MAN-16	ECD	TF	OCO	629	151,673
E254549437	12/14/2010	12:45:47 AM	MVW-13	EBJ	TV	OCO	1,483	336,962
E338467794	12/14/2010	12:46:11 AM	KAP-13	ECA	TV	CDH	97	118,482
E200918129	12/14/2010	12:46:23 AM	WOL-23	ECC	TV	OCO	112	79,589
E927240059	12/14/2010	12:47:34 AM	FWD-16	EBJ	TV	OCO	1,776	222,770
E662797723	12/14/2010	12:47:54 AM	MAN-12	ECD	TV	OFU	204	97,532
E304036196	12/14/2010	12:48:03 AM	FNW-16	ECD	TV	OFU	535	167,598
E677011682	12/14/2010	12:48:21 AM	OSC-23	EBI	TV	OFU	36	11,579
E171327517	12/14/2010	12:50:50 AM	MAP-16	EBF	TF	OPO	1,519	157,592
E129454736	12/14/2010	12:50:54 AM	SHE-16	ECE	TV	OTH	990	289,917
E469163127	12/14/2010	12:51:21 AM	SPA-16	ECA	TV	OSV	1	1,172
E384361455	12/14/2010	12:52:00 AM	FCR-13	EBI	TV	OCO	72	93,456
E812199316	12/14/2010	12:52:00 AM	TLN-0085	EBD	TV	OCO	4,187	92,114
E783033734	12/14/2010	12:53:17 AM	KCR-17	EBJ	EF	OFU	1,003	245,451
E163364346	12/14/2010	12:54:11 AM	TAN-13	ECC	TV	OCO	186	78,830
E585174252	12/14/2010	12:55:20 AM	SIL-15	ECD	TV	OCO	143	86,181
E386658458	12/14/2010	12:55:35 AM	YEL-27	ECC	TV	OCO	535	316,943
E898277726	12/14/2010	12:56:04 AM	VAS-13	EBL	TV	OCO	669	347,289

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E493066097	12/14/2010	12:57:08 AM	VAS-12	EBL	TV	OCO	5	7,314
E058913878	12/14/2010	12:58:00 AM	PAN-14	EBJ	UN	OCO	1,337	216,282
E811620100	12/14/2010	12:58:01 AM	NBO-26	EBD	TF	OCO	863	187,257
E311127965	12/14/2010	12:58:27 AM	HIG-16	EBE	TV	OSV	3	3,695
E581561003	12/14/2010	12:59:28 AM	BDI-13	EBJ	TV	OCO	758	636,366
E331016940	12/14/2010	12:59:56 AM	HOL-13	ECA	TV	OTF	8	6,081
E808263894	12/14/2010	1:00:33 AM	WAY-15	EBD	TV	OCO	1,539	189,755
E460794947	12/14/2010	1:00:41 AM	ROS-21	EBD	TV	OCO	148	79,967
E178396133	12/14/2010	1:00:59 AM	HOB-15	EBI	TV	OCO	1,261	1,135,499
E058661712	12/14/2010	1:01:28 AM	VAS-23	EBL	TV	OFU	6	1,484
E938752752	12/14/2010	1:02:02 AM	SOO-25	EBI	TV	OTR	1,078	350,568
E018617274	12/14/2010	1:02:13 AM	FRG-22	ECC	TV	OCO	68	25,213
E786856259	12/14/2010	1:02:15 AM	PIK-23	EBF	TV	OCO	73	22,831
E235522386	12/14/2010	1:02:25 AM	ROS-22	EBD	TF	OCO	937	99,869
E217388322	12/14/2010	1:02:25 AM	CUM-15	EBI	TF	OFU	587	151,788
E650498775	12/14/2010	1:03:51 AM	PIN-27	EBF	TV	OPO	300	246,045
E373015591	12/14/2010	1:04:09 AM	BON-13	ECA	TV	OCO	1,241	563,863
E590922188	12/14/2010	1:04:15 AM	ING-13	EBD	TV	OCO	36	34,011
E119029752	12/14/2010	1:05:12 AM	KCR-16	EBJ	TV	OCO	8	6,286
E234234238	12/14/2010	1:05:35 AM	SEQ-22	EBI	TV	OCO	263	166,794
E578004344	12/14/2010	1:06:17 AM	WIN-12	ECE	TV	OFU	36	13,814
E030669635	12/14/2010	1:06:35 AM	SOO-23	EBJ	TF	OCO	1,676	262,154
E916423595	12/14/2010	1:06:38 AM	HWD-23	EBD	TV	OCO	13	12,199
E691919467	12/14/2010	1:07:25 AM	RDO-16	EBJ	TV	OSV	9	8,123
E882864608	12/14/2010	1:07:50 AM	KWH-25	EBD	UN	OCO	1,954	252,392
E019293581	12/14/2010	1:07:56 AM	VIT-23	EBD	TV	OCO	257	152,161
E104583343	12/14/2010	1:08:21 AM	VAS-13	EBL	TV	OCO	10	8,527
E685086415	12/14/2010	1:08:34 AM	EDG-16	ECA	TV	OCO	23	10,383
E498115101	12/14/2010	1:10:01 AM	HOB-16	EBI	TV	OCO	259	309,906
E729356380	12/14/2010	1:10:45 AM	EDG-16	ECA	TV	OCO	20	15,163
E049936010	12/14/2010	1:12:30 AM	HOL-12	ECA	TV	OCO	26	18,187
E520285529	12/14/2010	1:13:11 AM	BDI-13	EBI	TV	OCO	236	183,329
E494354957	12/14/2010	1:13:17 AM	LAC-13	ECC	TV	OFC	15	7,676
E136509852	12/14/2010	1:13:48 AM	CWD-25	EBD	TF	OCO	780	195,936
E702747390	12/14/2010	1:14:13 AM	MTH-13	EBJ	TV	OPO	425	198,165
E568558764	12/14/2010	1:14:18 AM	EGT-27	EBE	TV	OCO	38	32,061
E347134885	12/14/2010	1:15:01 AM	PLA-23	EBD	TV	OFC	32	30,047
E265125872	12/14/2010	1:15:27 AM	LLT-16	EBD	TV	OCO	17	13,932
E849945101	12/14/2010	1:16:59 AM	LYO-12	EBJ	TV	OCO	3	2,049
E790612380	12/14/2010	1:17:00 AM	BTR-22	EBE	TF	OCO	651	178,374
E435849510	12/14/2010	1:19:29 AM	KAP-15	ECA	TV	OCO	16	6,712
E086967824	12/14/2010	1:20:55 AM	DUV-12	EBD	TV	OCO	186	233,260
E504969812	12/14/2010	1:22:58 AM	MVW-15	EBJ	TV	OFU	23	9,109
E315102986	12/14/2010	1:26:01 AM	POU-16	ECE	TV	OCO	158	82,947
E035679603	12/14/2010	1:26:17 AM	SME-15	EBE	TV	OCO	58	17,616
E385515718	12/14/2010	1:27:35 AM	HAZ-16	EBE	TV	OCO	80	73,553
E776115133	12/14/2010	1:28:12 AM	COT-15	EBD	TV	OCO	49	40,366
E313970728	12/14/2010	1:30:23 AM	WAB-13	EBI	TV	OFU	17	6,453
E885137492	12/14/2010	1:32:17 AM	MWD-16	EBE	TV	OCO	13	3,090

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E988722410	12/14/2010	1:34:45 AM	PIP-22	EBI	TV	OCO	29	16,682
E866334358	12/14/2010	1:35:14 AM	STA-16	EBJ	TV	OFU	1	865
E830157207	12/14/2010	1:35:16 AM	BDI-15	EBI	TV	OCO	29	18,117
E137954036	12/14/2010	1:35:24 AM	CWD-24	EBD	TV	OCN	1	935
E590496500	12/14/2010	1:37:06 AM	PLA-23	EBF	TV	OCO	8	8,583
E793615438	12/14/2010	1:38:58 AM	BHS-11	EAA	TV	OCO	10	3,170
E406306081	12/14/2010	1:39:34 AM	LOL-23	ECD	TV	OCO	40	17,617
E018064695	12/14/2010	1:41:52 AM	AIR-22	ECC	TV	OTF	1	591
E721277845	12/14/2010	1:44:53 AM	ROC-16	ECC	TV	OCO	1	434
E300863053	12/14/2010	1:49:30 AM	SAH-16	EBD	TV	OCO	3	2,543
E311387132	12/14/2010	1:53:27 AM	GRV-15	ECA	TV	CDH	42	41,645
E848823106	12/14/2010	1:55:12 AM	KIN-21	ECE	TV	OFU	9	3,688
E156282465	12/14/2010	1:55:28 AM	NOB-23	EBD	TV	OTF	2	1,329
E831030353	12/14/2010	1:55:29 AM	FAL-15	EBF	TV	OCO	7	4,803
E471351234	12/14/2010	1:56:17 AM	LON-17	ECC	TV	OCO	29	18,958
E156657611	12/14/2010	1:56:36 AM	BRE-21	ECE	TV	OCO	36	29,822
E001060644	12/14/2010	1:56:44 AM	VIS-26	EAA	TV	OFU	10	966
E454556588	12/14/2010	1:57:08 AM	LYO-15	EBJ	TV	OCN	6	4,517
E773141933	12/14/2010	1:57:26 AM	BLA-13	EAA	EF	OCO	48	19,179
E101980652	12/14/2010	2:00:00 AM	BUC-16	ECA	TV	OTF	13	6,266
E394998364	12/14/2010	2:00:04 AM	TOL-15	EBD	TV	OCO	15	11,169
E415765181	12/14/2010	2:00:16 AM	NHL-13	EBD	TV	OCO	8	6,478
E829975475	12/14/2010	2:03:29 AM	LWS-13	EBI	TV	OCO	66	60,490
E786923712	12/14/2010	2:03:47 AM	SEM-15	EAA	TV	UTC	15	1,630
E495283225	12/14/2010	2:03:48 AM	ROS-15	EBD	TV	OSV	5	2,531
E258516066	12/14/2010	2:04:03 AM	SKY-25	EBD	TV	OCO	2	1,552
E751079618	12/14/2010	2:04:09 AM	HAP-16	EAA	TV	OFU	3	523
E966653323	12/14/2010	2:04:24 AM	MAN-13	ECD	TV	OFU	8	3,965
E694548935	12/14/2010	2:07:40 AM	WCA-16	EBJ	TV	OFU	1	467
E456521990	12/14/2010	2:08:08 AM	MWD-15	EBE	TV	OCO	24	5,565
E868196047	12/14/2010	2:18:45 AM	YEL-25	ECC	TV	OCO	37	12,367
E127163222	12/14/2010	2:19:00 AM	KNT-23	EBJ	TV	OCO	12	14,052
E001682725	12/14/2010	2:28:51 AM	LLT-17	EBD	TV	OCO	32	25,957
E947676183	12/14/2010	2:29:13 AM	SHA-13	ECA	TV	OCO	7	6,053
E630376048	12/14/2010	2:33:37 AM	DUT-16	ECA	TV	OCO	2,349	1,527,301
E375222471	12/14/2010	2:37:51 AM	GAR-13	ECA	TV	CDH	1	1,049
E994451061	12/14/2010	2:40:39 AM	RAI-12	ECC	TV	OCO	34	17,386
E844732294	12/14/2010	2:52:54 AM	ORC-13	EBJ	TV	OCO	4	4,068
E957651033	12/14/2010	2:54:40 AM	BIG-15	EAC	TV	UTC	15	2,285
E246400893	12/14/2010	3:01:47 AM	FWD-16	EBJ	TV	OHR	973	314,490
E724005158	12/14/2010	3:04:11 AM	YEL-23	ECC	TV	OSV	1	786
E203646756	12/14/2010	3:20:06 AM	WLK-15	ECA	TV	OPO	1	1,590
E036196709	12/14/2010	3:22:09 AM	NRU-01	EBE	TV	OCO	2,528	304,570
E165063282	12/14/2010	3:24:05 AM	KNM-26	EBD	TV	OCO	9	863
E800725948	12/14/2010	3:29:48 AM	PAN-12	EBJ	TV	OCO	275	24,000
E059663306	12/14/2010	3:30:45 AM	LMC-25	EBF	TV	OCO	18	4,307
E784644691	12/14/2010	3:32:06 AM	ROS-17	EBD	TV	OCO	59	18,107
E707304207	12/14/2010	3:39:09 AM	MER-16	EBE	EF	OCO	10	9,499
E022208916	12/14/2010	3:51:11 AM	PAN-15	EBJ	TV	OTF	2	920

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E910307048	12/14/2010	4:24:50 AM	FAL-13	EBF	TV	OTF	3	826
E653724830	12/14/2010	4:26:13 AM	MIR-15	EBF	TV	OCR	462	345,104
E480945800	12/14/2010	4:28:16 AM	MIR-16	EBF	TV	OCO	51	37,573
E392478681	12/14/2010	4:29:53 AM	SOO-23	EBI	TV	OTR	5	4,401
E153400655	12/14/2010	4:32:31 AM	ELL-13	EBI	TV	OCO	558	234,072
E532194200	12/14/2010	4:36:52 AM	KWH-25	EBE	TV	OCO	278	109,291
E294089321	12/14/2010	4:37:28 AM	CUM-13	EBI	TV	OFU	5	1,288
E437430381	12/14/2010	4:43:04 AM	MVW-13	EBJ	TV	OFC	144	68,246
E901085818	12/14/2010	4:48:58 AM	WIN-13	ECE	TV	OTF	1	455
E011216574	12/14/2010	4:56:59 AM	SIN-25	ECD	TV	OCO	28	11,648
E696109025	12/14/2010	5:27:38 AM	LAT-14	EBJ	TV	OCO	6	4,334
E923421699	12/14/2010	5:41:19 AM	GRV-16	ECA	TV	OSV	4	2,875
E159356165	12/14/2010	5:47:47 AM	NBE-12	EBF	TV	OCO	10	4,022
E810178918	12/14/2010	5:49:59 AM	WAY-15	EBD	TV	OCO	45	9,001
E027649353	12/14/2010	5:50:19 AM	KNM-23	EBD	TV	OCO	3	1,694
E705458143	12/14/2010	5:56:59 AM	SHE-17	ECE	TV	OCO	34	20,503
E388848832	12/14/2010	6:02:24 AM	MOT-14	ECC	TV	OCO	40	11,544
E958424900	12/14/2010	6:09:00 AM	LAC-17	ECC	TV	OTR	2	1,904
E592600185	12/14/2010	6:13:54 AM	HAP-16	EAA	EF	OCO	160	38,576
E453120696	12/14/2010	6:16:01 AM	SHA-15	ECA	TV	OCO	8	5,504
E358931937	12/14/2010	6:17:32 AM	PLG-16	ECC	TV	OCO	41	11,499
E269172269	12/14/2010	6:17:51 AM	COT-13	EBD	TV	OCR	5	2,436
E728248409	12/14/2010	6:26:46 AM	AIR-23	ECC	TV	OCO	11	7,230
E470582657	12/14/2010	6:27:56 AM	CUM-15	EBI	TV	OPO	19	15,619
E264551148	12/14/2010	6:28:55 AM	SEM-15	EAA	TV	OCO	7	2,038
E648752865	12/14/2010	6:31:17 AM	MIR-17	EBF	TV	OCO	12	10,953
E980330119	12/14/2010	6:44:35 AM	LMD-12	EBJ	TV	OTF	5	577
E395348045	12/14/2010	6:57:27 AM	KCR-17	EBJ	TV	OCO	6	3,315
E777739778	12/14/2010	7:03:33 AM	LWS-16	EBI	TV	OCO	1	366
E841858237	12/14/2010	7:08:49 AM	FCR-14	EBJ	TV	OPO	5	4,891
E495802932	12/14/2010	7:14:50 AM	GAR-16	ECA	TV	OSV	1	564
E978702391	12/14/2010	7:18:00 AM	LMD-16	EBJ	TV	OTF	4	408
10990796	12/14/2010	7:22:00 AM	SIL-15	ECD	TV	OCO	51	11,016
E782538046	12/14/2010	7:27:22 AM	ORT-22	ECA	TV	CDH	1	378
E449136190	12/14/2010	7:28:48 AM	EVE-23	EBD	TV	OSV	1	271
E813280118	12/14/2010	7:39:35 AM	SWI-17	ECC	TV	OSV	1	241
10987094	12/14/2010	7:43:00 AM	ANA-16	EAC	EF	OFU	1	14
10990743	12/14/2010	7:44:00 AM	BLU-17	ECC	TV	OCO	298	52,746
E014873190	12/14/2010	7:53:16 AM	DUV-15	EBD	TV	OCO	49	12,405
E661413106	12/14/2010	7:55:03 AM	PRI-23	ECC	TV	OCO	5	1,665
E452659790	12/14/2010	8:09:42 AM	EGT-16	EBE	TV	OSV	1	496
E939084969	12/14/2010	8:13:51 AM	KIT-25	EBH	EF	OJU	5	701
E614988073	12/14/2010	8:15:09 AM	SAH-17	EBD	TV	OCO	13	9,943
E766042197	12/14/2010	8:17:51 AM	FNW-16	ECD	TV	OCO	56	22,352
E567319097	12/14/2010	8:28:12 AM	FAC-14	EBE	TV	OCO	18	4,352
E602169515	12/14/2010	8:43:52 AM	MTH-15	EBJ	TV	OCO	2	312
E567391515	12/14/2010	8:55:03 AM	WAU-22	EBI	TV	OSW	1,004	129,466
E106388013	12/14/2010	9:04:34 AM	LEA-17	EBI	TV	OCO	35	5,901
E013388006	12/14/2010	9:08:11 AM	FCR-12	EBI	TV	OCO	9	7,756

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E200491533	12/14/2010	9:12:38 AM	GRI-13	ECC	TV	OSV	2	253
E010705222	12/14/2010	9:13:37 AM	PIK-21	EBF	TV	OCO	17	10,666
E386027894	12/14/2010	9:16:05 AM	WAY-15	EBD	TV	OSV	5	1,670
10986891	12/14/2010	9:19:00 AM	KLA-15	EBE	TV	OCO	7	84
E202110928	12/14/2010	9:24:08 AM	WAY-13	EBD	TV	OSV	1	416
E467578709	12/14/2010	9:27:13 AM	KAP-15	ECA	TV	OCO	16	4,301
E999068909	12/14/2010	9:28:10 AM	VIS-26	EAA	EF	OPO	1	272
E473944226	12/14/2010	9:33:29 AM	KCR-16	EBJ	TV	OCO	27	7,736
E472854497	12/14/2010	9:46:41 AM	HWD-22	EBD	LI	OCO	66	17,901
E377583679	12/14/2010	9:54:09 AM	NOR-23	EBD	TV	OSV	1	479
E266897829	12/14/2010	9:55:30 AM	WAB-13	EBI	TV	OCO	7	2,867
E059075932	12/14/2010	10:16:37 AM	BLU-13	ECC	TV	OCO	4	1,570
E955093724	12/14/2010	10:20:39 AM	ROS-21	EBD	TV	OCO	62	24,760
E690910261	12/14/2010	10:21:18 AM	FAL-13	EBF	TV	OCO	1	519
E506541694	12/14/2010	10:29:00 AM	RHO-16	ECA	TF	OFC	2,369	133,035
E852808313	12/14/2010	10:40:35 AM	ENU-17	EBI	TV	OFU	2	209
E061208976	12/14/2010	10:41:25 AM	HAP-13	EAA	EF	USV	1	99
E702044430	12/14/2010	10:46:30 AM	LOL-21	ECD	TV	OCO	12	2,094
E853456461	12/14/2010	10:48:11 AM	ELD-25	ECC	TV	OCO	9	331
E668243150	12/14/2010	10:50:05 AM	POU-16	ECE	TV	OCO	165	117,466
E478946023	12/14/2010	10:54:13 AM	GRI-15	ECC	TV	OCO	50	8,639
E636185370	12/14/2010	10:57:32 AM	VAS-13	EBL	TV	OFU	72	14,434
E387869619	12/14/2010	11:03:56 AM	MIL-22	ECE	TV	OSV	1	66
E127911718	12/14/2010	11:14:09 AM	YEL-27	ECC	TV	OCO	40	8,434
E322122865	12/14/2010	11:21:59 AM	PRI-13	ECC	TV	OFU	132	14,126
10986962	12/14/2010	11:37:00 AM	MAP-13	EBE	EF	USV	1	482
E721625036	12/14/2010	12:04:42 PM	PRE-14	EBE	TV	OCO	3	1,630
E136581578	12/14/2010	12:05:21 PM	MIR-13	EBF	TV	OCO	706	69,647
E846895292	12/14/2010	12:10:41 PM	BLU-16	ECC	TV	OCO	55	17,892
E814559792	12/14/2010	12:10:45 PM	SIN-25	ECD	TV	OCO	1	862
E223450407	12/14/2010	12:13:56 PM	PAT-17	ECC	TV	OSV	1	126
E667513593	12/14/2010	12:17:56 PM	BAR-15	ECC	TV	OTF	4	396
E109127130	12/14/2010	12:22:52 PM	MIL-22	ECE	TV	OCO	7	6,161
E223308610	12/14/2010	12:25:04 PM	FRA-12	ECD	TV	OCO	107	29,418
E302179909	12/14/2010	12:28:17 PM	OVE-15	EBE	TV	OCO	1	557
E530284235	12/14/2010	12:33:21 PM	CLY-27	EBE	TV	OCO	113	29,453
E419478626	12/14/2010	12:42:00 PM	PRE-13	EBE	TV	OCO	328	70,848
E343165523	12/14/2010	12:42:27 PM	NBE-13	EBF	TV	OPO	1	228
E863706864	12/14/2010	1:04:48 PM	FRA-12	ECD	TV	OPO	14	13,387
E765406417	12/14/2010	1:06:23 PM	SHE-25	ECE	TV	OCO	9	1,923
E109588094	12/14/2010	1:08:21 PM	BTR-22	EBD	TV	OCO	2	833
E772966638	12/14/2010	1:08:33 PM	HKX-16	EAC	EF	OTF	5	257
E250299217	12/14/2010	1:12:46 PM	WOB-26	EAA	EF	USV	1	47
E993680852	12/14/2010	1:16:31 PM	LON-17	ECC	TV	OCO	19	2,669
E411024954	12/14/2010	1:17:11 PM	CHI-12	ECD	TV	OCO	20	10,756
E285847958	12/14/2010	1:20:08 PM	NBE-16	EBF	TV	OCO	2	140
E390633159	12/14/2010	1:22:22 PM	KWH-25	EBE	EF	OTF	7	2,328
E418335087	12/14/2010	1:28:02 PM	FAC-12	EBE	PO	USV	1	285
E119371332	12/14/2010	1:33:39 PM	BRW-15	EAC	TV	OCO	26	10,551

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NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E684435478	12/14/2010	1:40:16 PM	SWD-12	ECE	TV	OCO	32	9,335
E210127886	12/14/2010	1:41:13 PM	LAT-17	EBJ	TV	OCO	174	54,598
E830686804	12/14/2010	1:55:11 PM	BIG-15	EAC	TV	OFU	25	3,345
10987098	12/14/2010	2:05:00 PM	NUG-26	EAA	TV	OFU	1	62
E450892656	12/14/2010	2:18:26 PM	DUV-13	EBD	TV	OCO	7	1,180
E794572568	12/14/2010	2:24:21 PM	NLM-15	EAC	TV	OFU	50	3,133
E323657053	12/14/2010	2:24:58 PM	MVW-13	EBJ	TV	OSV	7	1,085
E715533964	12/14/2010	2:25:25 PM	VAS-13	EBL	TV	OCO	41	33,119
E320042023	12/14/2010	2:26:18 PM	MAN-13	ECD	TV	OSV	3	332
E792196689	12/14/2010	2:33:47 PM	MHT-15	EBJ	TV	OSV	9	1,496
E745882474	12/14/2010	2:58:02 PM	PLU-25	ECC	TV	OCO	5	2,110
E039564474	12/14/2010	2:58:07 PM	KAP-16	ECA	TV	CDH	30	3,507
10987105	12/14/2010	3:01:00 PM	HAZ-16	EBE	TV	OCO	13	1,475
E347179742	12/14/2010	3:27:25 PM	PRI-13	ECC	TV	OSV	1	153
E915066670	12/14/2010	3:28:21 PM	SHE-15	ECE	TV	OPO	21	12,488
E015375963	12/14/2010	3:35:35 PM	PHA-13	EBE	TV	OTF	3	262
E578015235	12/14/2010	3:59:10 PM	ROC-17	ECC	TV	OTR	1	238
E201264307	12/14/2010	4:22:56 PM	BRE-11	ECD	TV	OSV	2	570
E440582899	12/14/2010	4:25:25 PM	PGA-12	ECE	TV	OCO	1	127
E079119399	12/14/2010	4:29:17 PM	PHA-16	EBE	PO	OSV	2	601
E196696001	12/14/2010	4:39:17 PM	PAT-15	ECC	TV	OCO	22	2,656
E269906992	12/14/2010	4:40:08 PM	MKI-14	ECC	TV	OSV	1	63
E331776978	12/14/2010	4:49:29 PM	PAN-13	EBJ	TV	UHH	11	6,001
E037357965	12/14/2010	4:50:00 PM	MIR-16	EBF	EF	OCO	60	6,420
E461177699	12/14/2010	4:53:29 PM	BUC-16	ECA	TV	CDH	36	4,706
E238146073	12/14/2010	5:05:19 PM	FNW-13	ECD	TV	OCO	4	1,495
E685698719	12/14/2010	5:13:41 PM	ROS-21	EBD	TV	OCO	6	1,034
E162402636	12/14/2010	5:16:04 PM	SKE-22	ECE	TV	OCO	50	6,697
E312462149	12/14/2010	5:17:29 PM	PTR-14	EAA	TV	OTF	1	137
E194602412	12/14/2010	5:18:01 PM	FNW-15	ECD	TV	OCO	22	9,526
E265204808	12/14/2010	5:27:51 PM	KAP-16	ECA	TV	CDH	4	2,770
E873350811	12/14/2010	5:41:07 PM	FRA-12	ECD	TV	OFU	23	4,781
E224353785	12/14/2010	5:49:00 PM	LWS-13	EBI	TV	OFU	16	1,680
E906595122	12/14/2010	5:56:54 PM	MIR-15	EBF	TV	OCO	49	12,892
E749362469	12/14/2010	5:58:39 PM	FAL-15	EBF	TV	OTF	1	275
E379873265	12/14/2010	6:13:51 PM	SWE-23	EBJ	TV	OTF	6	757
E079693416	12/14/2010	6:14:25 PM	EDG-15	ECA	EF	USV	1	193
E028805099	12/14/2010	6:18:37 PM	WAB-13	EBI	TV	OTF	2	223
E462808915	12/14/2010	6:19:17 PM	FRG-23	ECC	TV	OTF	3	113
10986989	12/14/2010	7:00:00 PM	KNT-37	EBJ	EF	USV	1	80
E579552255	12/14/2010	7:12:39 PM	GBK-13	EAD	PO	USV	1	196
E459830938	12/14/2010	7:13:11 PM	WOD-13	EBH	TV	OTF	2	344
E379723373	12/14/2010	7:24:48 PM	WAY-15	EBD	TV	OSV	1	205
E658990061	12/14/2010	7:35:50 PM	SOO-25	EBI	TV	OSV	7	799
E711366445	12/14/2010	9:17:28 PM	BLU-16	ECC	TV	OFC	10	1,594
E530435736	12/14/2010	9:47:41 PM	YEL-25	ECC	TV	OFC	5	967
E420847297	12/14/2010	10:09:56 PM	ELD-25	ECC	TV	OFC	1	630
E860630234	12/14/2010	10:13:05 PM	AIR-22	ECC	EF	OFU	20	2,703
10987026	12/14/2010	10:33:00 PM	LAC-17	ECC	TV	OPO	1	239

Terms, Codes and Definitions Used on Detail Reports

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

Area	[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	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	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	[Customer Out] The number of customers without power for any given outage record
CUST MIN	[Customer Minutes] The total number of minutes customers were without power for any given record

Media Coverage

The Seattle Times

Tuesday, December 14, 2010 - Page updated at 04:46 PM



ALAN BERNER / THE SEATTLE TIMES

Steve Glass, father of Chaya Glass who lives in this brick home in North Seattle, checks storm damage Tuesday.

3 trees clobber N. Seattle house; another hits next door

By Susan Gilmore
Seattle Times staff reporter

Brian Pennington had just gone to bed about midnight, with the wind blowing fiercely outside and the power out, when he joked that maybe a tree will fall down in his back yard.

Not one, but three trees fell onto Pennington's house on Northeast 120th Street near Northgate, smashing windows, burying his car and blocking his front door.

Pennington and roommate Chaya Glass escaped unhurt by opening a window and crawling out.

Pennington then called his grandfather, William Pennington, who owns the brick home.

"The fact that no one got hurt is what really counts," said William Pennington, standing outside his broken house in the rain. "The rest is just sticks and stones. It was such good news. The only thing I cared about were the people inside."

One tree split the roof, wedging between the two bedrooms shared by Pennington, Glass and another roommate.

"It was really scary," said Glass, who escaped with her frightened dog. She grabbed a flashlight, her cellphone, some clothes and her laptop computer before fleeing the house.

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Sue Elrum, Glass' mother, said she was awakened early Tuesday by a phone call from her daughter and rushed to Seattle from her home in Mill Creek. "Thankfully everyone's OK," she said. "It sure makes you want to go out and get a brick home."

William Pennington said the house, which used to belong to his mother, was built in 1951 and there's never been any problems with fallen trees. "There's been a lot of fallen branches, but nothing like this."

Next door, a tree fell on David Wu's house, punching a hole through the bedroom where his disabled father was sleeping. There are cracks in the walls and blood on the carpet where Wu hit his head trying to reach his father. Wu ended up in the emergency room to get stitches for his head injury.

"It was really loud," said Wu's mother, Grace Wu, who was also in the house when the storm hit.

Susan Gilmore: 206-464-2054 or sgilmore@seattletimes.com

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The Seattle Times

Tuesday, December 14, 2010 - Page updated at 08:15 AM

Storm cuts power to thousands; teen dies in house hit by car

By Jack Broom

A fierce storm system tore through Western Washington early Tuesday, toppling trees, cutting power to tens of thousands and possibly contributing to a fatal accident in which a car ran off a road in Lacey, hitting a house and killing a teenager inside.

The storm hit even as rivers were receding and crews were making progress reopening flooded roads.

Lacey neighbors KOMO Radio that power was out at the time of the crash there at 12:30 a.m. and the driver may have not seen the street end near the mobile home park. A 16-year-old boy sleeping in the house was killed. Police reported that the two occupants of the car had fled the scene.

In other outages, Puget Sound Energy reported 30,000 customers lost power in the storm, mostly in King and Thurston counties. By 8 a.m., the number without power was down to 12,000, and the utility said it hoped to restore the rest later Tuesday.

Seattle City Light reported more than 8,600 customers without power, with all but about 750 back on line by 7 a.m. Grays Harbor PUD had 2,300 outages around midnight, according to The Associated Press.

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Qualifying Storm Event
December 14, 2010

The Seattle Times

December 14, 2010 at 5:04 AM

Thunderstorms rumble through Western Washington

Posted by [Seattle Times staff](#)

Already soggy from heavy weekend rains, Western Washington was hit by a squall line of thunderstorms overnight that knocked out power in places with gusty winds and falling limbs.

The National Weather Service reports peak gusts of 70 mph at Hoquiam, 51 at Sea-Tac Airport, 45 at the Tacoma Narrows, and 35 at Chehalis.

Puget Sound Energy reports 30,000 outages early Tuesday at 190 locations, mostly in King and Thurston counties. Spokeswoman MacKenzie McDowell told KIRO-TV the utility hoped to have service restored later Tuesday.

Seattle City Light reported 8,600 outages, and restored most of them in a few hours.

Grays Harbor PUD had 2,300 outages around midnight. Spokeswoman Liz Anderson told KBKW most were quickly restored.

With information from: KIRO-TV, KBKW

The Seattle Times

December 14, 2010 at 10:29 AM

Falling tree kills woman in Kitsap County

Posted by [Jack Broom](#)

A Kitsap County woman was killed early Tuesday when a large tree crashed onto her single-wide mobile home in the Southworth area.

South Kitsap Fire and Rescue Capt. Nathan Post said neighbors reported the tree falling at about 12:30 a.m.

The tree landed directly on the back end of the mobile home, where the woman's bedroom is, Post said. She was dead by the time firefighters reached her, Post said.

The Kitsap County Coroner's Office identified the woman as Diane Walker, 55.

Post said she was the only occupant of the mobile home.