



2013 Qualifying Events Report

November 2, 2013 Event

Filed on February 10, 2014

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Event Description

Date of event

November 2, 2013

Event Type

Wind

Service Areas Affected

King, Kitsap, Thurston, Pierce, Skagit, Whatcom, Kittitas

Number of Customers Affected

Approximately 157,500 customers were without power over the course of this event.

Summary of System Impacts

Total Number of Outages	669
Distribution Circuits Totally Out	18
Distribution Circuits Partially Out	651
Transmission Circuits Affected	3
Substations Totally Off-line	2

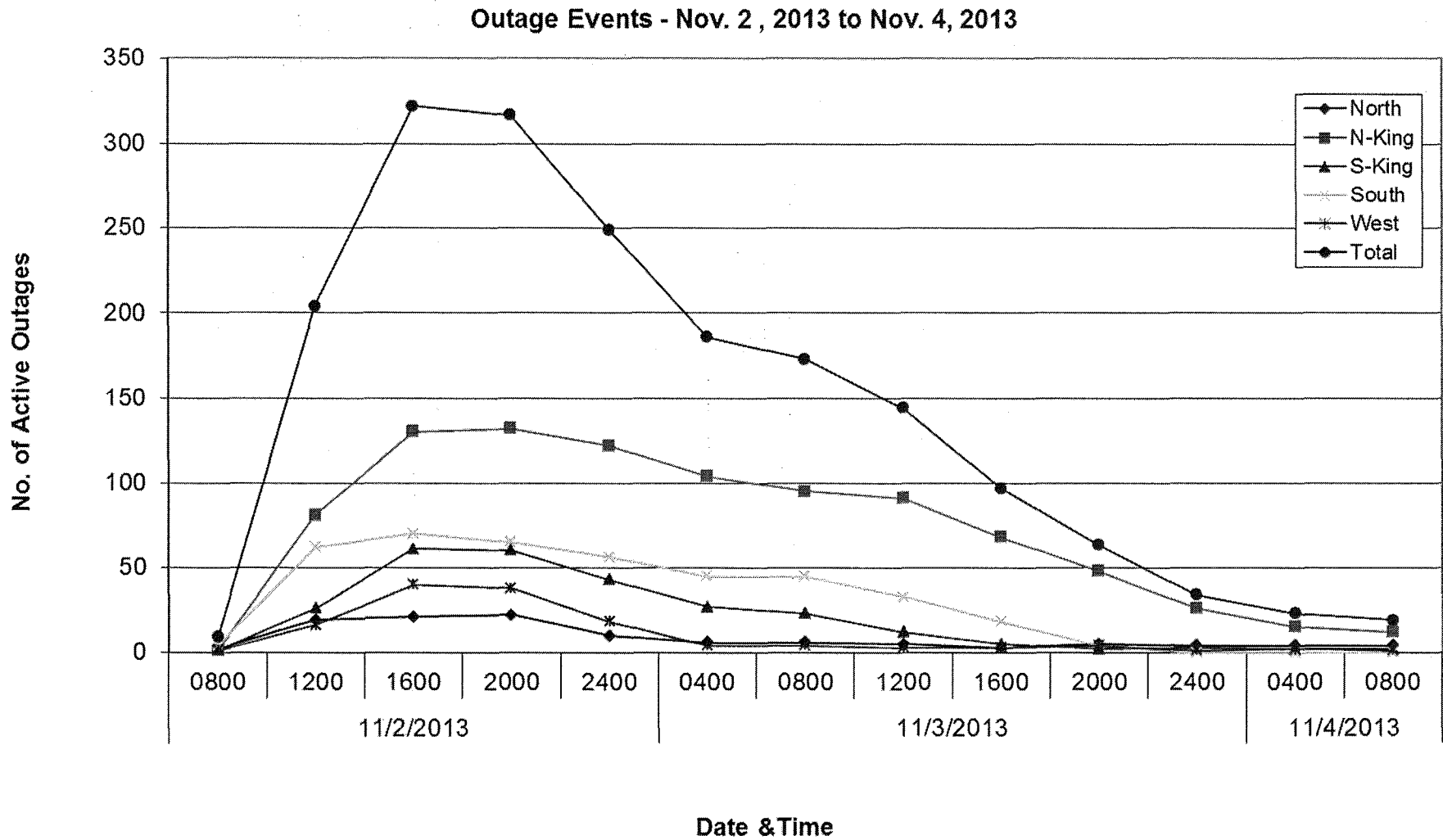
Mobilization Summary

Operating Bases

Base	Date Opened	Time Opened	Date Closed	Time Closed
Kitsap	11/02/2013	08:45	11/03/2013	20:30
Kittitas	11/02/2013	10:00	11/04/2013	03:00
North King	11/02/2013	10:00	11/04/2013	03:00
Skagit	11/02/2013	10:30	11/03/2013	03:00
South King	11/02/2013	15:00	11/03/2013	17:00
Pierce	11/02/2013	15:00	11/03/2013	00:30
Thurston	11/02/2013	15:00	11/03/2013	08:00

Emergency Coordination Center (ECC)

ECC	Date Opened	Time Opened	Date Closed	Time Closed
	11/02/2013	11:00	11/03/2013	18:00



Major Event Day – Qualification

IEEE¹ Standard 1366

IEEE Standard 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of 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 SAIDI² is computed once a year, following year end.
2. Assemble the 5 most recent years of historical values of SAIDI/day.
3. Discard any days in the data set that has a SAIDI/day of zero.
4. Find the natural logarithm of each value in the data set.
5. Compute the average (Alpha) and the standard deviation (Beta) of the natural logarithms computed in step 4.
6. Compute the threshold 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 IEEE 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
11/02/2013	60,371,713	1,111,051	54.33

Cumulative list of events that have qualified

Date(s)	Tmed Score	O&M ³ Costs– Deferrable Accumulation
05/13/2013	14.97	\$891,475 (r)
09/28/2013	15.41	\$805,477 (r)
11/02/2013	54.33	\$4,747,793

(r) – revised

¹ IEEE: Institute of Electrical and Electronics Engineers

² SAIDI: System Average Interruption Duration Index

³ O&M: Operations and Maintenance

Event Restoration – Cost Summary

Restoration Costs Detail by Qualifying Event as of January 24, 2014

Date	Qualified Events Deferred Account	Capital Costs	C&D ⁴ Costs Recoverable from Direct Billings (Costs Not Yet Billed)	O&M Costs – Not Deferrable	O&M Costs – Deferrable Accumulation	Total O&M Costs	Total
05/13/2013		\$88,371	\$0	\$106,692 (r)	\$891,475 (r)	\$998,167 (r)	\$1,086,538 (r)
09/28/2013		\$92,051 (r)	\$0	\$75,901 (r)	\$805,477 (r)	\$881,378 (r)	\$973,429 (r)
11/02/2013		\$263,801	\$0	\$333,779	\$4,747,793	\$5,083,571	\$5,347,372

(r) - revised

YTD Storm Restoration Costs Detail as of January 24, 2014

Qualified Events Deferred Account	Capital Costs	C&D Costs Recoverable from Direct Billings (Costs Not Yet Billed)	O&M Costs – Not Deferrable	O&M Costs – Deferrable Accumulation	Total O&M Costs	Total
\$0	\$444,223	\$0	\$516,372	\$6,446,744	\$6,963,116	\$7,407,339

⁴ C&D: Clearing and Deferred

Detail Documents

Restoration Cost Detail – Current Event

Detailed List of Distribution Circuits with Outages

Terms, Codes and Definitions Used on Detail Reports

Newsprint Media Coverage

Restoration Cost Detail – Current Event

Puget Sound Energy								
November 2, 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								
ST		\$ 1,190		\$ -	\$ 133,862	\$ 133,862	\$ 135,052	
OT		\$ -		\$ -	\$ 557,936	\$ 557,936	\$ 557,936	
Total Labor	\$ -	\$ 1,190	\$ -	\$ -	\$ 691,798	\$ 691,798	\$ 692,988	
Labor OH		\$ 939		\$ (270,452)	\$ 658,018	\$ 387,566	\$ 388,505	
Materials		\$ 62,407		\$ -	\$ 219,630	\$ 219,630	\$ 282,037	
Contractors		\$ 170,522		\$ -	\$ 3,621,638	\$ 3,621,638	\$ 3,792,161	
Other Direct Charges		\$ -		\$ -	\$ 35,169	\$ 35,169	\$ 35,169	
Fleet		\$ 76		\$ -	\$ 70,863	\$ 70,863	\$ 70,939	
Other Assessments		\$ 28,667		\$ 604,231	\$ (547,323)	\$ 56,907	\$ 85,574	
Deferred Expenses					\$ -	\$ -	\$ -	
	\$ -	\$ 263,801	\$ -	\$ 333,779	\$ 4,749,793	\$ 5,083,571	\$ 5,347,372	

IEEE Standard 1366 - Detailed List of Distribution Circuits with Outages

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00050101-1	11/2/2013	12:36:00 AM	KCR-13	EBJ	EF	UPC	281	22,199
P00050104-1	11/2/2013	1:40:33 AM	PAT-17	ECC	TV	OSV	1	341
P00050105-1	11/2/2013	2:45:52 AM	OSC-23	EBI	EF	OFC	12	1,113
P00050109-1	11/2/2013	4:18:00 AM	SHA-13	ECA	EF	UPC	55	21,528
P00050112-1	11/2/2013	4:35:57 AM	PRI-23	ECC	TV	OTF	1	72
P00050118-1	11/2/2013	5:20:11 AM	HIG-17	EBE	TV	OCO	873	89,395
P00050119-1	11/2/2013	5:29:06 AM	MCA-13	ECC	TV	OTF	6	459
P00050125-1	11/2/2013	6:17:21 AM	PRI-22	ECC	AO	OCO	458	9,671
P00050124-1	11/2/2013	6:18:14 AM	COT-15	EBD	EF	UTC	57	12,975
P00049869-1	11/2/2013	6:35:00 AM	PRI-22	ECC	SO	OCO	6	690
P00050127-1	11/2/2013	6:46:12 AM	SME-12	EBE	TV	OTF	4	815
P00050128-1	11/2/2013	6:49:08 AM	RHO-13	ECA	TV	OCO	373	28,553
P00050132-1	11/2/2013	6:55:35 AM	LMC-27	EBE	TV	OCO	2	263
P00050141-1	11/2/2013	7:20:21 AM	MIR-15	EBF	TV	OCO	37	4,097
P00050142-1	11/2/2013	7:25:24 AM	PRI-23	ECC	TV	OCO	17	4,335
P00050152-1	11/2/2013	7:28:48 AM	RAI-13	ECC	TV	OCO	1,402	89,331
P00050156-1	11/2/2013	7:30:49 AM	ALG-15	EAC	TV	OFU	53	4,212
P00050160-1	11/2/2013	7:32:54 AM	CHI-12	ECD	TV	OCO	2,743	500,497
P00050202-1	11/2/2013	7:38:00 AM	ING-15	EBD	TV	OCO	58	24,539
P00050204-1	11/2/2013	7:43:00 AM	FCH-24	ECA	TV	OCO	39	20,188
P00050206-1	11/2/2013	7:45:00 AM	FRA-13	ECD	TV	OCO	4,829	453,926
P00050208-1	11/2/2013	7:49:53 AM	WLS-16	EAC	EF	USV	1	135
P00050209-1	11/2/2013	7:52:00 AM	PMA-16	ECE	TV	OCO	2,986	783,476
P00050210-1	11/2/2013	7:52:15 AM	NNO-12	EBJ	TV	OCO	809	84,729
P00050216-1	11/2/2013	7:58:00 AM	WIN-16	ECE	TV	OCO	2,526	457,254
P00050219-1	11/2/2013	8:01:02 AM	MHT-15	EBJ	EF	OTF	5	713
P00050220-1	11/2/2013	8:01:08 AM	LUH-14	ECC	TV	OCO	17	4,043
P00050221-1	11/2/2013	8:02:00 AM	LOL-21	ECD	TV	OCO	3	2,014
P00050224-1	11/2/2013	8:02:38 AM	GAR-12	ECA	TV	OCO	3	362
P00052273-1	11/2/2013	8:03:23 AM	CHI-15	ECD	TV	OCO	298	356,776
P00050228-1	11/2/2013	8:03:46 AM	EVA-23	EBJ	TV	OCO	2,324	191,226
P00050227-1	11/2/2013	8:04:41 AM	KCR-16	EBJ	TV	OCO	4	894
P00050230-1	11/2/2013	8:05:37 AM	VAS-23	EBL	TV	OFU	9	1,749
P00050231-1	11/2/2013	8:06:06 AM	FNW-16	ECD	TV	OCO	1,036	204,953
P00050241-1	11/2/2013	8:09:29 AM	EPO-15	ECD	TV	OPO	140	190,521
P00050242-1	11/2/2013	8:12:41 AM	SIL-15	ECE	TV	OFU	2	4,060
P00050245-1	11/2/2013	8:13:25 AM	HEM-16	ECA	TV	OTF	2	124
P00050299-1	11/2/2013	8:15:00 AM	PIN-25	EBD	TV	OCO	3,266	398,452
P00053804-1	11/2/2013	8:18:14 AM	SWD-13	ECE	TV	OFU	13	9,383
P00050288-1	11/2/2013	8:23:20 AM	TRA-26	ECE	TV	OFU	27	10,666
P00052603-1	11/2/2013	8:24:07 AM	FNW-16	ECD	TF	OCO	313	350,423
P00050273-1	11/2/2013	8:24:45 AM	WIS-12	EBF	TV	OTR	12	12,792

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00050354-1	11/2/2013	8:26:14 AM	ING-15	EBD	TV	OFC	2	2,056
P00050284-1	11/2/2013	8:28:00 AM	UHL-23	EBD	TV	OCO	13	2,030
P00050320-1	11/2/2013	8:32:15 AM	HKX-16	EAC	TV	OCO	318	34,556
P00051398-1	11/2/2013	8:33:25 AM	COT-16	EBD	TV	OCO	1,049	701,938
P00050308-1	11/2/2013	8:34:52 AM	RPT-15	ECD	TV	OFU	34	45,952
P00050309-1	11/2/2013	8:34:56 AM	HOB-15	EBI	TV	OCO	460	58,688
P00050540-1	11/2/2013	8:35:00 AM	SKE-26	ECE	TV	OCR	683	307,369
P00050311-1	11/2/2013	8:35:00 AM	RPT-15	ECD	TV	OCO	9	17,934
P00054659-1	11/2/2013	8:35:00 AM	POU-15	ECE	TV	OCO	198	187,595
P00050328-1	11/2/2013	8:37:21 AM	MIL-23	ECE	TV	OTF	5	1,135
P00050337-1	11/2/2013	8:39:00 AM	SKI-13	EBD	TV	OCO	23	38,991
P00050343-1	11/2/2013	8:40:00 AM	TRA-23	ECE	TV	OTR	10	5,253
P00051305-1	11/2/2013	8:40:25 AM	FRA-13	ECD	TV	OCO	490	291,346
P00050348-1	11/2/2013	8:41:07 AM	SWD-13	ECE	TV	OCO	42	38,173
P00050365-1	11/2/2013	8:45:18 AM	OVE-12	EBE	EF	OTF	5	3,704
P00050431-1	11/2/2013	8:45:43 AM	SME-15	EBE	TV	OCO	103	166,393
P00050369-1	11/2/2013	8:46:15 AM	CEK-15	ECE	TV	OCO	25	42,919
P00050382-1	11/2/2013	8:47:25 AM	MED-36	EBE	EF	OFC	15	26,582
P00053354-1	11/2/2013	8:49:00 AM	EPO-15	ECD	TV	OCO	134	108,138
P00050432-1	11/2/2013	8:49:41 AM	BDI-13	EBI	EF	OCO	83	14,708
P00050405-1	11/2/2013	8:49:54 AM	SIL-15	ECE	TV	OCO	2	462
P00050412-1	11/2/2013	8:51:00 AM	SIL-15	ECE	TV	OCO	87	48,149
P00053532-1	11/2/2013	8:51:51 AM	SHE-25	ECE	TV	OCO	21	10,503
P00050419-1	11/2/2013	8:52:00 AM	SHE-17	ECE	TV	OCO	2,367	693,215
P00050415-1	11/2/2013	8:52:44 AM	SEQ-17	EBJ	TV	OTF	4	4,310
P00055184-1	11/2/2013	8:53:27 AM	HWD-22	EBD	TV	OCO	1,429	2,504,180
P00050673-1	11/2/2013	8:54:00 AM	HWD-23	EBD	TV	OCO	567	976,644
P00052866-1	11/2/2013	8:55:00 AM	COT-13	EBD	TV	OCO	12	12,336
P00050487-1	11/2/2013	8:56:00 AM	COT-13	EBD	TV	OCO	1,782	1,889,353
P00050430-1	11/2/2013	8:56:46 AM	JUA-25	EBD	TV	OCO	1,631	143,881
P00050429-1	11/2/2013	8:57:53 AM	SHD-18	EBI	EF	UTC	4	6,328
P00050435-1	11/2/2013	8:58:00 AM	MAN-15	ECD	TV	OCR	2,364	1,051,980
P00050452-1	11/2/2013	8:59:16 AM	MIL-16	ECE	TV	OCO	326	92,698
P00050458-1	11/2/2013	9:01:00 AM	ING-15	EBD	EF	OCO	81	134,069
P00050465-1	11/2/2013	9:02:52 AM	MHT-13	EBJ	TV	OTF	2	2,083
P00050470-1	11/2/2013	9:03:00 AM	ZEN-25	EBJ	TV	OCO	7	9,327
P00050471-1	11/2/2013	9:03:32 AM	SWE-23	EBJ	TV	OIN	360	119,563
P00050492-1	11/2/2013	9:06:45 AM	MIL-17	ECE	TV	OTF	11	6,910
P00050496-1	11/2/2013	9:09:18 AM	ASB-13	EBJ	TV	OSV	5	8,643
P00050501-1	11/2/2013	9:10:07 AM	TOL-15	EBD	TV	OCO	4	3,080
P00050522-1	11/2/2013	9:11:39 AM	KIN-21	ECE	TV	OCO	240	46,532
P00050516-1	11/2/2013	9:12:00 AM	STW-15	ECA	TV	OCO	261	88,918
P00050530-1	11/2/2013	9:12:00 AM	FAL-15	EBF	TV	OCO	251	344,428
P00050514-1	11/2/2013	9:12:00 AM	SIL-15	ECE	TV	OCO	24	35,752

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00052611-1	11/2/2013	9:12:00 AM	RPT-15	ECD	TV	OCO	15	22,065
P00050509-1	11/2/2013	9:12:28 AM	PHA-16	EBE	TV	OCO	57	103,262
P00050519-1	11/2/2013	9:14:08 AM	KIN-21	ECE	TV	OCO	17	19,686
P00053245-1	11/2/2013	9:14:15 AM	HOB-16	EBI	TV	OCO	27	23,652
P00050558-1	11/2/2013	9:14:21 AM	LGY-16	EAD	TV	OFU	18	13,577
P00050526-1	11/2/2013	9:15:00 AM	BHL-13	ECE	TV	OCO	21	15,455
P00050532-1	11/2/2013	9:16:00 AM	TRA-22	ECE	TV	OCO	120	61,974
P00050531-1	11/2/2013	9:16:00 AM	CWD-23	EBD	TV	OSV	2	3,626
P00050534-1	11/2/2013	9:18:01 AM	MIL-22	ECE	TV	OCO	112	57,809
P00050539-1	11/2/2013	9:19:57 AM	VAS-23	EBL	TV	OFU	46	18,787
P00050546-1	11/2/2013	9:19:58 AM	GAR-16	ECA	TV	OCO	1,952	248,653
P00050547-1	11/2/2013	9:20:08 AM	AVO-24	EBD	TV	OCO	2,413	907,087
P00050552-1	11/2/2013	9:22:50 AM	GBK-13	EAD	TV	OTF	2	510
P00050553-1	11/2/2013	9:23:26 AM	CHI-15	ECD	TV	OAR	4	7,213
P00050590-1	11/2/2013	9:24:23 AM	LGY-16	EAD	TV	OHR	517	354,866
P00050560-1	11/2/2013	9:25:54 AM	LGY-15	EAD	TV	OFU	1	259
P00050562-1	11/2/2013	9:26:50 AM	LYO-15	EBJ	TV	OSV	3	6,026
P00050578-1	11/2/2013	9:28:39 AM	LGY-16	EAD	TV	OCO	1,420	352,850
P00054221-1	11/2/2013	9:37:00 AM	LGY-16	EAD	TV	OCO	34	29,195
P00050618-1	11/2/2013	9:43:49 AM	LGY-15	EAD	TV	OFU	14	7,864
P00050623-1	11/2/2013	9:47:00 AM	LAT-14	EBJ	TV	OCO	2	3,571
P00050675-1	11/2/2013	9:47:54 AM	LOC-23	EBE	TV	OCO	167	292,592
P00054222-1	11/2/2013	9:48:51 AM	LGY-16	EAD	TV	OCO	20	15,425
P00050631-1	11/2/2013	9:51:28 AM	ING-16	EBD	TV	OCO	14	16,844
P00050342-1	11/2/2013	9:53:00 AM	FRA-13	ECD	TV	OCO	961	501,242
P00050637-1	11/2/2013	9:54:10 AM	MIL-17	ECE	TV	OFU	61	20,504
P00050644-1	11/2/2013	9:56:17 AM	FWD-16	EBJ	TV	OCO	65	6,395
P00050646-1	11/2/2013	9:56:19 AM	OVE-15	EBE	TV	OCO	134	85,403
P00050648-1	11/2/2013	9:58:00 AM	FRA-13	ECD	TV	OSV	1	1,244
P00051188-1	11/2/2013	9:59:00 AM	LLT-16	EBD	TV	OCO	491	319,228
P00050659-1	11/2/2013	10:01:40 AM	PIN-27	EBD	TV	OCO	10	6,193
P00050661-1	11/2/2013	10:02:00 AM	EGT-15	EBE	TV	OCO	7	14,077
P00050678-1	11/2/2013	10:06:00 AM	LLT-13	EBD	TV	OCO	2,596	1,165,604
P00050684-1	11/2/2013	10:09:40 AM	SBE-26	EBE	TV	OCO	14	17,841
P00051462-1	11/2/2013	10:10:07 AM	NHL-17	EBD	TV	OCO	613	210,341
P00050688-1	11/2/2013	10:10:49 AM	LGY-16	EAD	TV	OCO	3	1,477
P00052237-1	11/2/2013	10:12:42 AM	LGY-16	EAD	TV	OHR	659	100,069
P00050705-1	11/2/2013	10:13:00 AM	MUR-13	ECE	TV	OCR	160	152,599
P00050920-1	11/2/2013	10:13:00 AM	PMA-13	ECE	TV	OCO	62	62,316
P00052474-1	11/2/2013	10:14:43 AM	ING-13	EBD	TV	OCO	128	191,307
P00053793-1	11/2/2013	10:15:00 AM	NBO-25	EBD	TV	OCO	127	217,955
P00050712-1	11/2/2013	10:15:33 AM	NBO-25	EBD	TV	OCO	73	30,598
P00050717-1	11/2/2013	10:17:01 AM	HAM-13	EAC	TV	OTF	2	334
P00050720-1	11/2/2013	10:17:56 AM	SME-12	EBE	TV	OCO	38	69,702

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00050737-1	11/2/2013	10:20:00 AM	PLA-21	EBD	TV	OCO	3,570	3,350,772
P00050750-1	11/2/2013	10:22:34 AM	DES-16	EBJ	TV	OCO	1,216	66,475
P00050748-1	11/2/2013	10:22:45 AM	LGY-16	EAD	TV	OFU	87	31,507
P00050866-1	11/2/2013	10:26:38 AM	ELD-25	ECC	TV	OSW	1,102	113,102
P00054830-1	11/2/2013	10:28:22 AM	DUV-12	EBD	TV	OTF	1	2,254
P00050798-1	11/2/2013	10:28:24 AM	NBO-26	EBD	TV	OCO	879	198,449
P00050803-1	11/2/2013	10:29:27 AM	MKI-16	ECC	TV	OFU	4	3,594
P00050959-1	11/2/2013	10:30:00 AM	KNM-23	EBD	TV	OCO	1,217	1,736,395
P00050870-1	11/2/2013	10:30:02 AM	LOL-23	ECD	TV	OCO	1,083	328,095
P00052840-1	11/2/2013	10:31:00 AM	FNW-17	ECD	TV	OFU	149	104,151
P00050851-1	11/2/2013	10:33:00 AM	FRA-15	ECD	TV	OCO	23	20,080
P00050896-1	11/2/2013	10:35:00 AM	HOU-25	EBD	TV	OCO	1,324	488,556
P00053727-1	11/2/2013	10:35:00 AM	WIN-12	ECE	TV	OPO	292	235,625
P00050880-1	11/2/2013	10:35:37 AM	GRV-16	ECA	TV	OCO	702	76,069
P00052561-1	11/2/2013	10:36:00 AM	SIN-23	ECD	TV	OCO	36	32,148
P00053244-1	11/2/2013	10:37:59 AM	WIN-12	ECE	TV	OCO	96	78,810
P00050921-1	11/2/2013	10:38:00 AM	FRG-24	ECC	EF	OCO	145	44,389
P00050914-1	11/2/2013	10:38:00 AM	NBO-22	EBD	TV	OTF	1	1,804
P00050917-1	11/2/2013	10:38:51 AM	SIN-25	ECD	TV	OFU	39	5,975
P00050931-1	11/2/2013	10:39:00 AM	LAB-25	EAA	TV	OCO	17	3,720
P00050984-1	11/2/2013	10:39:00 AM	SIN-23	ECD	TV	OCO	197	51,634
P00050974-1	11/2/2013	10:39:41 AM	CEN-25	EBE	EF	OPO	681	203,925
P00050947-1	11/2/2013	10:39:54 AM	SEQ-22	EBJ	TV	OCO	4	3,876
P00050980-1	11/2/2013	10:42:07 AM	LON-25	ECC	TV	OFU	85	34,508
P00051024-1	11/2/2013	10:43:00 AM	TOL-15	EBD	TV	OCO	68	63,411
P00053965-1	11/2/2013	10:44:00 AM	PLA-21	EBD	TV	OCO	172	121,551
P00054267-1	11/2/2013	10:44:00 AM	PLA-21	EBD	TV	OCO	183	233,484
P00051321-1	11/2/2013	10:44:11 AM	OVE-15	EBE	TV	OCO	652	300,203
P00054607-1	11/2/2013	10:45:03 AM	NBO-22	EBD	TV	OCO	7	12,619
P00051081-1	11/2/2013	10:45:16 AM	FRA-16	ECD	TV	OCO	491	306,171
P00052898-1	11/2/2013	10:46:32 AM	LLT-17	EBD	TV	OCO	1,831	334,096
P00051143-1	11/2/2013	10:47:19 AM	KNT-25	EBJ	EF	OFU	5	7,526
P00051055-1	11/2/2013	10:47:19 AM	LOL-21	ECD	TV	OCO	88	44,133
P00051170-1	11/2/2013	10:52:22 AM	VAS-12	EBL	TV	OCO	514	444,422
P00051132-1	11/2/2013	10:53:42 AM	SWE-23	EBJ	TV	OTF	4	3,569
P00051139-1	11/2/2013	10:53:57 AM	RIT-18	EAC	TV	OTF	1	52
P00053458-1	11/2/2013	10:53:59 AM	FRA-15	ECD	TV	OCO	6	11,646
P00053408-1	11/2/2013	10:54:00 AM	FAL-16	EBF	TV	OCO	42	51,818
P00053462-1	11/2/2013	10:54:00 AM	FAL-16	EBF	TV	OCO	54	63,281
P00055685-1	11/2/2013	10:54:05 AM	MER-13	EBE	TV	OCO	18	30,703
P00051155-1	11/2/2013	10:54:22 AM	FAL-16	EBF	TV	OCO	363	96,975
P00051148-1	11/2/2013	10:54:45 AM	BIG-12	EAC	TV	OCO	12	3,117
P00055686-1	11/2/2013	10:55:46 AM	MER-13	EBE	TV	OTF	5	8,515
P00051177-1	11/2/2013	10:57:00 AM	LOL-23	ECD	TV	OCO	8	5,520

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00051727-1	11/2/2013	10:59:38 AM	NLM-15	EAC	TV	OCO	47	10,176
P00052279-1	11/2/2013	11:00:00 AM	TLN-0085	EBD	TV	OCO	4,859	4,169,022
P00051190-1	11/2/2013	11:00:00 AM	EAR-17	EBJ	TV	OCO	105	35,868
P00051199-1	11/2/2013	11:01:59 AM	ELD-23	ECC	TV	OFU	8	872
P00052248-1	11/2/2013	11:02:21 AM	LGY-12	EAD	TV	OFU	38	28,839
P00051228-1	11/2/2013	11:04:14 AM	NOR-25	EBD	TV	OCO	9	3,701
P00051258-1	11/2/2013	11:04:52 AM	MVW-17	EBJ	TV	UTC	1,466	431,202
P00051234-1	11/2/2013	11:05:14 AM	PMA-13	ECE	TV	OCO	2	2,049
P00051803-1	11/2/2013	11:06:42 AM	CAP-15	ECC	TV	OFU	49	27,736
P00053652-1	11/2/2013	11:06:54 AM	KIN-22	ECE	TV	OFU	16	5,342
P00051256-1	11/2/2013	11:07:13 AM	NOR-26	EBD	TV	OCO	12	21,905
P00051269-1	11/2/2013	11:08:00 AM	PAN-13	EBJ	TV	OTF	1	1,397
P00051265-1	11/2/2013	11:08:00 AM	NOR-25	EBD	TV	OCO	22	25,603
P00051260-1	11/2/2013	11:08:11 AM	NNO-15	EBJ	EF	OTR	4	6,883
P00051275-1	11/2/2013	11:08:43 AM	LHL-22	EBE	TV	OCO	1,042	336,219
P00051270-1	11/2/2013	11:08:58 AM	NNO-12	EBJ	TV	OTF	6	10,416
P00051735-1	11/2/2013	11:09:26 AM	SHE-26	ECE	TV	OCO	583	154,505
P00051276-1	11/2/2013	11:09:56 AM	LON-22	ECC	TV	OCO	1	731
P00051279-1	11/2/2013	11:10:08 AM	GRI-15	ECC	TV	OCO	4	1,495
P00052568-1	11/2/2013	11:10:30 AM	LGY-16	EAD	TV	OCO	23	12,622
P00051330-1	11/2/2013	11:15:34 AM	UHL-25	EBD	TV	OCO	456	166,805
P00051334-1	11/2/2013	11:15:43 AM	TOL-17	EBD	TV	OCO	25	19,855
P00052923-1	11/2/2013	11:16:00 AM	AVO-17	EBD	TV	OCO	5,114	915,017
P00051329-1	11/2/2013	11:16:23 AM	FAC-13	EBE	TV	OCO	19	36,929
P00051349-1	11/2/2013	11:17:49 AM	PIK-24	EBF	TV	OCO	285	137,413
P00051430-1	11/2/2013	11:18:38 AM	DUV-12	EBD	TV	OCO	2,053	1,561,057
P00054925-1	11/2/2013	11:18:43 AM	PRE-13	EBE	EF	OTF	1	2,266
P00054514-1	11/2/2013	11:18:44 AM	COT-15	EBD	TV	OCO	1,274	646,067
P00051348-1	11/2/2013	11:19:02 AM	VAS-23	EBL	TV	OCO	1,675	395,244
P00051371-1	11/2/2013	11:19:26 AM	HOB-15	EBI	TV	OCO	460	129,651
P00053982-1	11/2/2013	11:19:42 AM	NHL-17	EBD	TV	OCO	406	367,295
P00051406-1	11/2/2013	11:20:00 AM	FAL-13	EBF	TV	OCO	7	3,192
P00052565-1	11/2/2013	11:20:59 AM	FAL-13	EBF	TV	OCO	36	5,653
P00051822-1	11/2/2013	11:21:38 AM	FAC-25	EBE	TV	OCO	42	30,405
P00051589-1	11/2/2013	11:22:01 AM	BDI-15	EBI	TV	OCO	778	122,042
P00051644-1	11/2/2013	11:22:37 AM	HAZ-16	EBE	TV	OCO	7,177	1,701,103
P00051540-1	11/2/2013	11:23:14 AM	SWE-23	EBJ	TV	OTF	4	3,447
P00054140-1	11/2/2013	11:24:45 AM	PIN-27	EBD	TV	OFU	20	33,550
P00054002-1	11/2/2013	11:25:13 AM	PIN-26	EBD	TV	OCO	555	972,724
P00051664-1	11/2/2013	11:25:24 AM	BKB-12	EAC	TV	OTF	7	4,984
P00053394-1	11/2/2013	11:26:20 AM	PIN-26	EBD	TV	OCO	474	678,405
P00051694-1	11/2/2013	11:26:33 AM	WOL-23	ECC	TV	OSV	7	3,528
P00051658-1	11/2/2013	11:28:00 AM	FAC-25	EBE	TV	OCO	1,221	1,697,194
P00051733-1	11/2/2013	11:28:26 AM	FRG-24	ECC	TV	OSV	1	966

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00051858-1	11/2/2013	11:31:15 AM	EVE-23	EBD	TV	OCO	74	135,883
P00053961-1	11/2/2013	11:34:00 AM	TLN-0041	ECA	EF	OCO	1,233	377,298
P00051841-1	11/2/2013	11:35:21 AM	SWE-23	EBJ	TV	OTF	3	2,558
P00051813-1	11/2/2013	11:35:56 AM	SHD-16	EBI	TV	OCO	1,034	157,840
P00053348-1	11/2/2013	11:36:00 AM	AVO-17	EBD	TV	OCO	237	113,981
P00052618-1	11/2/2013	11:36:07 AM	HOB-17	EBI	TV	OCO	68	22,032
P00052049-1	11/2/2013	11:37:34 AM	ING-15	EBD	TV	OCO	17	12,706
P00051880-1	11/2/2013	11:37:51 AM	WIN-13	ECE	UN	UPC	5	9,013
P00051901-1	11/2/2013	11:41:16 AM	WAB-12	EBI	EF	OCO	3	4,382
P00051936-1	11/2/2013	11:45:34 AM	SWE-23	EBJ	TV	OTF	6	5,025
P00052106-1	11/2/2013	11:47:07 AM	NOB-12	EBE	TV	OCO	40	79,213
P00051983-1	11/2/2013	11:48:00 AM	BRE-24	ECD	TV	OTF	12	10,824
P00052014-1	11/2/2013	11:50:35 AM	SBE-25	EBE	TV	OCO	188	296,604
P00052067-1	11/2/2013	11:53:32 AM	SHE-17	ECE	TV	OCO	338	30,262
P00052098-1	11/2/2013	11:55:00 AM	ING-13	EBD	TV	OCO	277	168,321
P00052058-1	11/2/2013	11:55:00 AM	EGT-28	EBE	TV	OCO	8	17,336
P00052071-1	11/2/2013	11:55:31 AM	GRI-16	ECC	EF	OTF	5	1,840
P00054660-1	11/2/2013	11:58:05 AM	MST-23	EBJ	TV	OFU	45	39,707
P00052267-1	11/2/2013	11:59:29 AM	FAL-13	EBF	TV	OCO	17	5,092
P00052117-1	11/2/2013	11:59:33 AM	EGT-12	EBE	TV	OCO	15	27,606
P00052136-1	11/2/2013	12:01:00 PM	NOR-26	EBD	TV	OCO	68	88,235
P00053914-1	11/2/2013	12:01:00 PM	SME-12	EBE	TV	OCO	12	5,112
P00052150-1	11/2/2013	12:03:22 PM	ORT-23	ECA	EF	OFU	14	8,097
P00052158-1	11/2/2013	12:04:00 PM	WAB-13	EBI	TV	OTR	1	1,457
P00052163-1	11/2/2013	12:04:27 PM	PHA-15	EBE	TV	OCO	17	15,819
P00052185-1	11/2/2013	12:05:53 PM	PAN-13	EBJ	TV	OCO	1,435	133,093
P00052178-1	11/2/2013	12:06:11 PM	MHT-13	EBJ	TV	OTF	5	7,181
P00052179-1	11/2/2013	12:06:12 PM	NLM-15	EAC	TV	OFC	1	518
P00052191-1	11/2/2013	12:06:23 PM	PRE-12	EBE	TV	OCO	2,311	518,473
P00052544-1	11/2/2013	12:06:41 PM	NNO-15	EBJ	TV	OFU	53	41,299
P00052215-1	11/2/2013	12:10:00 PM	PHA-13	EBE	TV	OSV	1	1,808
P00052246-1	11/2/2013	12:14:09 PM	OVE-13	EBE	TV	UTC	10	17,248
P00052268-1	11/2/2013	12:15:54 PM	EPO-15	ECD	TV	OCO	1,520	205,352
P00053353-1	11/2/2013	12:17:00 PM	FNW-16	ECD	TV	OCO	156	148,824
P00052294-1	11/2/2013	12:18:59 PM	SNQ-17	EBF	TV	OPO	169	54,421
P00052278-1	11/2/2013	12:19:00 PM	WIS-16	EBF	TV	OCO	23	39,153
P00054174-1	11/2/2013	12:19:46 PM	VAS-12	EBL	TV	OFU	8	4,091
P00052296-1	11/2/2013	12:21:36 PM	TRA-26	ECE	BA	UGF	93	23,793
P00053002-1	11/2/2013	12:22:21 PM	MIR-17	EBF	TV	OCO	488	227,725
P00052307-1	11/2/2013	12:23:57 PM	SNQ-17	EBF	TV	OCO	5	3,336
P00052311-1	11/2/2013	12:24:00 PM	GBK-15	EAD	TF	OCO	1,266	213,375
P00052716-1	11/2/2013	12:24:00 PM	MSI-24	EBF	TV	OPO	4	9,837
P00052339-1	11/2/2013	12:24:50 PM	LMD-16	EBJ	TV	OFU	98	44,649
P00052314-1	11/2/2013	12:24:53 PM	SBE-25	EBE	TV	OCO	58	54,349

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00052334-1	11/2/2013	12:25:40 PM	MWD-15	EBE	SO	OCO	427	248,393
P00052461-1	11/2/2013	12:26:21 PM	VAS-13	EBL	TV	OCO	59	19,672
P00052333-1	11/2/2013	12:26:39 PM	BON-13	ECA	TV	OFU	66	10,426
P00052346-1	11/2/2013	12:28:41 PM	FNW-17	ECD	TV	OCO	413	17,112
P00055434-1	11/2/2013	12:28:49 PM	FNW-17	ECD	TV	OCO	52	74,819
P00052350-1	11/2/2013	12:29:06 PM	BLU-13	ECC	EF	PTF	1	602
P00054350-1	11/2/2013	12:31:00 PM	SKI-16	EBD	BA	UTC	87	170,205
P00052363-1	11/2/2013	12:31:00 PM	PAN-16	EBJ	TV	OCO	28	36,051
P00052365-1	11/2/2013	12:31:00 PM	LWS-16	EBJ	TV	OCO	1	1,159
P00052366-1	11/2/2013	12:32:07 PM	FWY-11	EBJ	TV	OCO	91	49,349
P00052380-1	11/2/2013	12:33:47 PM	CAM-24	EBJ	TV	OHR	1,148	442,032
P00052548-1	11/2/2013	12:34:14 PM	LYO-12	EBJ	TV	OHS	401	200,079
P00052391-1	11/2/2013	12:34:29 PM	SKE-23	ECE	TV	OFU	7	9,596
P00052395-1	11/2/2013	12:34:34 PM	TLN-0152	EBJ	TV	OCO	9,890	113,076
P00052586-1	11/2/2013	12:36:28 PM	HIG-15	EBE	TV	OCO	323	379,875
P00052456-1	11/2/2013	12:37:14 PM	RAI-11	ECC	EF	OFU	109	35,338
P00052487-1	11/2/2013	12:38:31 PM	SAH-17	EBD	TV	OCO	701	405,575
P00052497-1	11/2/2013	12:39:00 PM	TOL-17	EBD	TV	OPO	7	8,099
P00052530-1	11/2/2013	12:39:00 PM	FNW-17	ECD	TV	OFU	40	13,459
P00052804-1	11/2/2013	12:40:20 PM	GRI-13	ECC	EF	OFU	93	52,348
P00054197-1	11/2/2013	12:40:56 PM	LMC-27	EBE	TV	OFC	509	209,233
P00053029-1	11/2/2013	12:40:56 PM	LMC-27	EBE	TV	OJU	421	131,380
P00053541-1	11/2/2013	12:41:00 PM	MSI-25	EBF	TV	OCO	193	174,636
P00053013-1	11/2/2013	12:41:16 PM	ROC-25	ECC	TV	OCO	737	108,450
P00052543-1	11/2/2013	12:43:26 PM	ELD-27	ECC	TV	OTF	2	943
P00052547-1	11/2/2013	12:43:42 PM	SNQ-16	EBF	UN	OTF	2	1,102
P00052550-1	11/2/2013	12:43:51 PM	SWE-23	EBJ	TV	OTF	3	2,349
P00052566-1	11/2/2013	12:45:12 PM	LWS-16	EBJ	TV	OCO	1,207	125,287
P00052631-1	11/2/2013	12:46:05 PM	FCR-12	EBI	TV	OCO	940	132,117
P00054642-1	11/2/2013	12:46:32 PM	FRG-25	ECC	TV	OCO	1	696
P00054187-1	11/2/2013	12:46:41 PM	BLU-13	ECC	TV	OSW	316	159,712
P00052581-1	11/2/2013	12:48:32 PM	RAI-12	ECC	TV	OSV	2	1,163
P00055194-1	11/2/2013	12:48:33 PM	VAS-12	EBL	TV	OCO	7	11,881
P00052587-1	11/2/2013	12:48:58 PM	ROS-21	EBD	TV	OFU	51	83,501
P00052599-1	11/2/2013	12:49:58 PM	ZEN-25	EBJ	TV	OCO	142	105,778
P00054671-1	11/2/2013	12:50:39 PM	BLU-13	ECC	EF	OTF	3	1,535
P00052616-1	11/2/2013	12:50:43 PM	ZEN-24	EBJ	TV	OCO	1,068	235,263
P00052621-1	11/2/2013	12:52:00 PM	ASB-16	EBJ	TV	OCO	8	5,792
P00052784-1	11/2/2013	12:55:00 PM	HAW-11	ECC	TV	OCO	594	14,256
P00052650-1	11/2/2013	12:56:23 PM	MWD-16	EBE	TV	OCO	3	4,335
P00052675-1	11/2/2013	12:56:34 PM	VIC-16	EBJ	TV	OCO	818	161,964
P00052826-1	11/2/2013	12:56:52 PM	VAS-13	EBL	TV	OCO	114	82,705
P00052666-1	11/2/2013	12:58:42 PM	EVA-27	EBJ	EF	PTF	9	5,835
P00052671-1	11/2/2013	12:59:08 PM	MVW-17	EBJ	TV	OHR	1,566	251,917

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00052682-1	11/2/2013	12:59:33 PM	BLU-17	ECC	TV	OCO	14	7,284
P00052695-1	11/2/2013	1:00:08 PM	PGA-12	ECE	TV	OTF	3	5,148
P00052714-1	11/2/2013	1:02:00 PM	MIR-13	EBF	TV	OFU	18	25,424
P00054852-1	11/2/2013	1:02:00 PM	TOL-15	EBD	TV	OCO	130	137,187
P00052737-1	11/2/2013	1:04:00 PM	EVA-23	EBJ	TV	OCO	11	451
P00052739-1	11/2/2013	1:04:33 PM	SOM-16	EBE	TV	OTF	1	2,092
P00052742-1	11/2/2013	1:05:13 PM	LMC-23	EBE	TV	OCO	72	37,928
P00052747-1	11/2/2013	1:05:35 PM	CLY-26	EBE	TV	OFU	9	13,089
P00052772-1	11/2/2013	1:06:20 PM	EVA-27	EBJ	TV	OCO	62	39,297
P00052758-1	11/2/2013	1:06:41 PM	EVA-27	EBJ	TV	OFU	60	37,918
P00052764-1	11/2/2013	1:08:00 PM	EAR-17	EBJ	TV	OTF	7	2,031
P00052778-1	11/2/2013	1:08:38 PM	ELL-16	EBJ	TV	OHR	552	221,361
P00052770-1	11/2/2013	1:08:41 PM	MER-13	EBE	TV	OFU	9	14,124
P00052783-1	11/2/2013	1:09:27 PM	LWS-12	EBJ	TV	OCO	64	27,820
P00052785-1	11/2/2013	1:09:51 PM	SNQ-17	EBF	TV	OFU	65	25,945
P00052786-1	11/2/2013	1:10:02 PM	EGT-27	EBE	TV	OFU	34	55,486
P00053901-1	11/2/2013	1:11:12 PM	FAL-13	EBF	TV	OFU	13	11,327
P00052794-1	11/2/2013	1:11:20 PM	FAL-13	EBF	TV	OCO	6	1,424
P00052796-1	11/2/2013	1:11:38 PM	EDG-13	ECA	TV	OFU	7	1,739
P00052807-1	11/2/2013	1:13:00 PM	MWD-13	EBE	TV	OCO	117	127,258
P00052808-1	11/2/2013	1:13:23 PM	HOL-15	ECA	TV	OCO	47	18,657
P00052816-1	11/2/2013	1:14:00 PM	FAL-13	EBF	TV	OCR	2	2,688
P00052817-1	11/2/2013	1:14:29 PM	PET-16	EAC	TV	OFU	7	2,479
P00052835-1	11/2/2013	1:17:00 PM	BAR-13	ECC	TV	OTF	2	1,722
P00052839-1	11/2/2013	1:19:00 PM	HIG-15	EBE	TV	OCO	4	8,400
P00052845-1	11/2/2013	1:21:00 PM	FRA-15	ECD	TV	OCO	130	26,520
P00052859-1	11/2/2013	1:23:51 PM	COT-17	EBD	TV	OCO	872	728,251
P00052860-1	11/2/2013	1:24:00 PM	SNQ-15	EBF	TV	OCO	34	31,835
P00052869-1	11/2/2013	1:25:31 PM	LOL-21	ECD	TV	OCO	1	533
P00052899-1	11/2/2013	1:27:42 PM	ORC-17	EBJ	TV	OFU	201	108,557
P00052888-1	11/2/2013	1:29:29 PM	SPA-16	ECA	TV	OCO	77	22,985
P00052890-1	11/2/2013	1:30:00 PM	MHT-15	EBJ	TV	OSV	7	11,480
P00052897-1	11/2/2013	1:32:00 PM	LMD-13	EBJ	EF	UPC	225	40,725
P00052894-1	11/2/2013	1:32:06 PM	BLU-17	ECC	TV	OCO	35	13,996
P00052900-1	11/2/2013	1:32:33 PM	MVW-13	EBJ	TV	OFU	144	41,393
P00052907-1	11/2/2013	1:34:18 PM	ALG-15	EAC	TV	OFU	3	452
P00052917-1	11/2/2013	1:36:00 PM	GRA-25	EBJ	TV	OCO	32	16,343
P00052918-1	11/2/2013	1:36:35 PM	VIT-23	EBD	TV	OCO	2,277	1,260,130
P00053404-1	11/2/2013	1:37:57 PM	YEL-27	ECC	TV	OCO	1,222	171,548
P00053209-1	11/2/2013	1:39:31 PM	SEQ-22	EBJ	TV	OCO	18	22,441
P00052993-1	11/2/2013	1:40:00 PM	FRG-23	ECC	EF	OTF	7	5,453
P00053484-1	11/2/2013	1:41:29 PM	TLN-0116	EBF	TV	OCO	4,506	736,806
P00053012-1	11/2/2013	1:41:49 PM	MOT-14	ECC	EF	UTF	6	1,495
P00053195-1	11/2/2013	1:45:23 PM	LWS-12	EBJ	TV	OHR	800	232,680

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00054755-1	11/2/2013	1:47:00 PM	GRI-13	ECC	TV	OPO	93	89,433
P00053262-1	11/2/2013	1:48:00 PM	PAT-15	ECC	TV	OCO	38	21,255
P00053160-1	11/2/2013	1:52:00 PM	WAY-13	EBD	TV	OSV	2	3,638
P00054916-1	11/2/2013	1:52:19 PM	FAL-13	EBF	TV	OCO	71	62,581
P00053167-1	11/2/2013	1:53:00 PM	FAL-15	EBF	TV	OPO	8	8,656
P00053172-1	11/2/2013	1:53:00 PM	EVE-23	EBD	TV	OSV	4	8,125
P00054107-1	11/2/2013	1:55:13 PM	FRA-12	ECD	TV	OFU	41	31,479
P00053215-1	11/2/2013	1:56:00 PM	RHO-13	ECA	TV	OCO	24	8,661
P00053229-1	11/2/2013	1:58:54 PM	OSC-22	EBI	TV	OCO	1,245	155,023
P00053969-1	11/2/2013	2:01:23 PM	RHO-13	ECA	EF	UTC	20	3,678
P00053246-1	11/2/2013	2:03:04 PM	LUH-14	ECC	TV	OJU	3	1,695
P00053264-1	11/2/2013	2:05:00 PM	BTR-21	EBE	TV	OCO	14	20,233
P00053265-1	11/2/2013	2:05:27 PM	GAR-16	ECA	TV	OFU	12	4,260
P00053277-1	11/2/2013	2:08:01 PM	ROC-26	ECC	UN	OFU	14	1,404
P00053671-1	11/2/2013	2:09:23 PM	BLU-16	ECC	TV	OCO	503	280,026
P00053823-1	11/2/2013	2:10:37 PM	WLK-13	ECA	TV	OCO	146	68,734
P00053298-1	11/2/2013	2:10:57 PM	PRI-23	ECC	TV	OCO	65	21,598
P00053302-1	11/2/2013	2:11:17 PM	FRA-15	ECD	TV	OTF	1	1,553
P00053322-1	11/2/2013	2:13:18 PM	CLY-25	EBE	TV	OCO	23	34,654
P00053333-1	11/2/2013	2:14:32 PM	VAS-22	EBL	TV	OIN	1	414
P00053416-1	11/2/2013	2:30:28 PM	GWR-13	EBI	TV	OSV	5	6,099
P00053605-1	11/2/2013	2:41:05 PM	SEQ-16	EBJ	TF	OPO	3,372	782,023
P00053546-1	11/2/2013	2:50:00 PM	PAN-14	EBJ	TV	OCO	146	146
P00054290-1	11/2/2013	2:54:42 PM	GLC-11	EBJ	TV	OFU	48	38,054
P00053591-1	11/2/2013	2:55:50 PM	SHE-17	ECE	TV	OTF	4	5,717
P00053614-1	11/2/2013	2:58:47 PM	HAM-13	EAC	TV	OCO	5	2,960
P00053637-1	11/2/2013	3:02:07 PM	FNW-17	ECD	TV	OPO	19	22,836
P00053638-1	11/2/2013	3:02:13 PM	CLE-11	EBH	TV	OCO	67	52,565
P00053644-1	11/2/2013	3:03:08 PM	EDG-12	ECA	TV	OCO	28	16,288
P00053651-1	11/2/2013	3:04:12 PM	SNQ-16	EBF	UN	OTF	5	2,055
P00053667-1	11/2/2013	3:10:24 PM	HAM-15	EAC	TV	OFU	9	4,401
P00053679-1	11/2/2013	3:12:04 PM	CAS-15	EBH	TV	OSV	136	87,575
P00053680-1	11/2/2013	3:12:25 PM	PIK-21	EBF	TV	OCO	17	23,009
P00053711-1	11/2/2013	3:24:31 PM	NLM-15	EAC	TV	OTR	2	1,402
P00053725-1	11/2/2013	3:27:41 PM	FCR-12	EBI	TV	OCO	71	21,971
P00053741-1	11/2/2013	3:31:00 PM	HOB-17	EBI	TV	OCO	9	5,591
P00053759-1	11/2/2013	3:35:00 PM	SHE-26	ECE	TV	OCO	9	3,537
P00054359-1	11/2/2013	3:35:23 PM	DES-12	EBJ	TV	OTF	8	9,130
P00053770-1	11/2/2013	3:41:24 PM	LUH-14	ECC	TV	OFC	4	2,081
P00053779-1	11/2/2013	3:43:01 PM	AIR-23	ECC	TV	OCO	30	14,659
P00054141-1	11/2/2013	3:44:06 PM	PMA-12	ECE	TV	OFU	76	81,832
P00053785-1	11/2/2013	3:44:47 PM	KIN-24	ECE	TV	OTR	1	599
P00053790-1	11/2/2013	3:45:34 PM	SWE-23	EBJ	TV	OTF	6	3,579
P00054887-1	11/2/2013	3:50:21 PM	FNW-17	ECD	TV	OFU	20	19,320

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00053867-1	11/2/2013	3:56:36 PM	TOL-15	EBD	EF	OTF	3	1,653
P00053871-1	11/2/2013	3:57:42 PM	SWE-23	EBJ	TV	OTF	7	4,083
P00053880-1	11/2/2013	3:59:13 PM	FAL-15	EBF	TV	OCO	2	1,110
P00053883-1	11/2/2013	3:59:32 PM	BRE-24	ECD	TV	OFU	27	17,227
P00054667-1	11/2/2013	4:00:01 PM	FRG-22	ECC	TV	OCO	15	6,538
P00053899-1	11/2/2013	4:00:26 PM	ROC-16	ECC	TV	OCO	8	830
P00053916-1	11/2/2013	4:07:28 PM	CLE-11	EBH	TV	OCO	2	2,257
P00053944-1	11/2/2013	4:13:00 PM	NHL-17	EBD	TV	OCO	147	101,349
P00053975-1	11/2/2013	4:21:47 PM	SNQ-17	EBF	TV	OCO	3	1,286
P00053984-1	11/2/2013	4:24:15 PM	EVA-27	EBJ	TV	OTF	8	3,496
P00053994-1	11/2/2013	4:26:25 PM	WIN-12	ECE	TV	OFU	38	42,126
P00054005-1	11/2/2013	4:30:00 PM	BUC-26	ECA	TV	OCO	13	1,628
P00054016-1	11/2/2013	4:32:17 PM	WIN-12	ECE	TV	OFU	9	8,596
P00054032-1	11/2/2013	4:36:44 PM	YEL-27	ECC	TV	OCO	244	39,605
P00054048-1	11/2/2013	4:40:00 PM	SEQ-22	EBJ	TV	OIN	16	5,710
P00054090-1	11/2/2013	4:49:45 PM	SME-15	EBE	TV	OCO	128	153,404
P00054099-1	11/2/2013	4:51:46 PM	MAN-15	ECD	TV	OSV	7	3,117
P00054117-1	11/2/2013	4:56:28 PM	BHL-15	ECE	TV	OTF	1	1,353
P00054623-1	11/2/2013	4:58:00 PM	LLT-17	EBD	TV	OCO	1	1,457
P00054127-1	11/2/2013	4:58:09 PM	HAZ-15	EBE	TV	OCO	1	1,311
P00054130-1	11/2/2013	4:59:00 PM	CAS-15	EBH	TV	OCO	21	9,529
P00054175-1	11/2/2013	5:13:43 PM	SME-15	EBE	TV	OCO	8	10,349
P00054178-1	11/2/2013	5:14:31 PM	GBK-15	EAD	EF	OTF	4	422
P00054195-1	11/2/2013	5:19:43 PM	SKE-23	ECE	TV	OFU	57	27,398
P00054211-1	11/2/2013	5:23:00 PM	PIN-27	EBD	TV	OCO	4	4,337
P00054236-1	11/2/2013	5:32:04 PM	BIG-16	EAC	TV	OTF	1	296
P00054246-1	11/2/2013	5:36:00 PM	EDG-13	ECA	EF	OPO	3	1,184
P00054247-1	11/2/2013	5:36:21 PM	WOL-23	ECC	EF	OTF	2	586
P00054265-1	11/2/2013	5:47:16 PM	ETN-13	EBH	TV	OCO	7	8,895
P00056048-1	11/2/2013	5:49:00 PM	ETN-13	EBH	TV	OCO	6	14,838
P00054269-1	11/2/2013	5:49:21 PM	LAT-17	EBJ	TV	OTF	3	3,093
P00054273-1	11/2/2013	5:52:36 PM	CLY-26	EBE	TV	OCO	4	4,665
P00054280-1	11/2/2013	5:54:00 PM	ETN-13	EBH	TV	OCO	9	23,358
P00054292-1	11/2/2013	5:58:58 PM	BLU-16	ECC	TV	OCO	45	5,186
P00054294-1	11/2/2013	5:59:57 PM	LGY-15	EAD	EF	UTC	1	181
P00054298-1	11/2/2013	6:02:35 PM	TIL-25	ECA	TV	OCO	12	2,519
P00054307-1	11/2/2013	6:06:00 PM	CTR-22	EBJ	TV	OTF	4	4,274
P00054312-1	11/2/2013	6:08:15 PM	FRG-25	ECC	TV	OCO	11	5,035
P00054328-1	11/2/2013	6:11:00 PM	FRA-15	ECD	TV	OFU	102	47,430
P00054324-1	11/2/2013	6:12:45 PM	CAS-15	EBH	TV	OSV	1	463
P00054452-1	11/2/2013	6:18:46 PM	SNQ-17	EBF	TV	OCO	42	2,457
P00054341-1	11/2/2013	6:20:06 PM	FNW-17	ECD	TV	OCO	1	1,400
P00054349-1	11/2/2013	6:27:00 PM	CAP-13	ECC	TV	OSV	1	530
P00054348-1	11/2/2013	6:27:00 PM	WOL-25	ECC	TV	OCO	2	1,474

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00054358-1	11/2/2013	6:29:52 PM	AIR-23	ECC	TV	OTF	1	189
P00054363-1	11/2/2013	6:31:00 PM	FNW-15	ECD	TV	OSV	1	841
P00054372-1	11/2/2013	6:35:00 PM	MAN-13	ECD	TV	OTR	8	6,080
P00054877-1	11/2/2013	6:35:56 PM	DUV-13	EBD	UN	OCO	4	7,377
P00054388-1	11/2/2013	6:38:38 PM	ING-13	EBD	TV	OSV	6	2,300
P00054443-1	11/2/2013	6:39:00 PM	FRA-13	ECD	TV	OCO	64	24,820
P00054391-1	11/2/2013	6:39:22 PM	FNW-17	ECD	TV	OCO	1	154
P00054401-1	11/2/2013	6:39:49 PM	LAT-13	EBJ	TV	OTF	4	4,923
P00054405-1	11/2/2013	6:42:14 PM	PRI-13	ECC	TV	OCO	204	62,625
P00054418-1	11/2/2013	6:47:01 PM	LOL-21	ECD	TV	OFU	2	2,409
P00054428-1	11/2/2013	6:51:00 PM	CLY-26	EBE	TV	OTF	3	3,462
P00054586-1	11/2/2013	6:54:16 PM	FAC-23	EBE	EF	PMF	154	180,011
P00054437-1	11/2/2013	6:56:15 PM	BRO-16	EAD	UN	OFU	1	182
P00054442-1	11/2/2013	7:01:00 PM	FWY-11	EBJ	TV	OCO	1	797
P00054449-1	11/2/2013	7:06:00 PM	LON-22	ECC	TV	OCO	21	7,729
P00054455-1	11/2/2013	7:07:23 PM	RDO-16	EBJ	TV	OSV	1	1,020
P00054461-1	11/2/2013	7:10:59 PM	SIL-13	ECE	EF	OJU	49	7,408
P00055432-1	11/2/2013	7:13:00 PM	VAS-13	EBL	TV	OCO	9	12,580
P00054489-1	11/2/2013	7:24:00 PM	WAY-16	EBD	TV	OPI	1	928
P00054502-1	11/2/2013	7:31:34 PM	ASB-17	EBJ	TV	OCO	15	10,072
P00054503-1	11/2/2013	7:32:21 PM	BDI-15	EBI	EF	OFC	2	1,749
P00054523-1	11/2/2013	7:43:54 PM	WLS-13	EAC	EF	OFU	66	5,057
P00054641-1	11/2/2013	7:45:15 PM	COT-16	EBD	TV	OCO	728	44,420
P00054531-1	11/2/2013	7:50:18 PM	COT-15	EBD	TV	OCO	45	53,770
P00054556-1	11/2/2013	8:01:03 PM	FNW-17	ECD	TV	OFU	18	13,140
P00054569-1	11/2/2013	8:08:12 PM	DUV-13	EBD	EF	OTF	2	2,865
P00054570-1	11/2/2013	8:09:56 PM	SNQ-17	EBF	TV	OCO	6	3,390
P00054589-1	11/2/2013	8:15:00 PM	AVO-17	EBD	TV	OTF	4	6,296
P00054665-1	11/2/2013	8:27:00 PM	LMC-27	EBE	EF	OFC	220	244,618
P00054624-1	11/2/2013	8:27:12 PM	MIR-17	EBF	TV	OCO	174	1,975
P00054614-1	11/2/2013	8:28:07 PM	TRA-26	ECE	TV	OFC	218	156,397
P00054625-1	11/2/2013	8:30:00 PM	AVO-15	EBD	TV	OCO	3	4,612
P00054632-1	11/2/2013	8:33:07 PM	SLA-15	EAA	EF	OTR	3	437
P00054651-1	11/2/2013	8:40:51 PM	LWS-12	EBJ	TV	OFU	64	8,320
P00054675-1	11/2/2013	8:49:03 PM	SWD-13	ECE	TV	OFU	13	11,784
P00054691-1	11/2/2013	8:55:00 PM	SOO-27	EBI	EF	OFC	1	914
P00054702-1	11/2/2013	9:03:11 PM	ELD-27	ECC	TV	OTF	2	848
P00054716-1	11/2/2013	9:13:55 PM	VAS-23	EBL	TV	OCO	125	52,260
P00054732-1	11/2/2013	9:32:23 PM	VAS-23	EBL	TV	OSV	1	981
P00054749-1	11/2/2013	10:01:00 PM	CAP-15	ECC	EF	OFU	5	1,400
P00054750-1	11/2/2013	10:01:23 PM	FNW-16	ECD	TV	OJU	15	16,224
P00054753-1	11/2/2013	10:04:00 PM	PRI-13	ECC	TV	OPO	22	10,886
P00054761-1	11/2/2013	10:13:12 PM	COT-16	EBD	TV	OCO	7	1,651
P00054764-1	11/2/2013	10:22:11 PM	BRO-15	EAD	TV	OTF	1	102

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00054795-1	11/2/2013	10:43:41 PM	BDI-15	EBI	TV	OFU	7	4,955
P00054801-1	11/2/2013	10:51:45 PM	BRO-16	EAD	TV	OFU	1	16
P00054804-1	11/2/2013	11:00:46 PM	LGY-16	EAD	TV	OFU	16	1,768
P00054809-1	11/2/2013	11:04:49 PM	YEL-27	ECC	UN	PTF	2	195
P00055150-1	11/2/2013	11:26:24 PM	UHL-23	EBD	TV	OCO	14	21,371
P00054827-1	11/2/2013	11:47:00 PM	MAP-13	EBE	TV	OCO	67	21,681
P00054829-1	11/2/2013	11:50:56 PM	PRI-13	ECC	TV	OCO	204	23,270

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



Two hurt by falling trees as wind storm slams Western Washington

By SCOTT SISTEK, KOMO STAFF
Updated 6:16 pm, Saturday, November 2, 2013

Two people were hurt as a powerful wind storm moved through Western Washington Saturday, blasting the region with 45-60 mph winds, knocking out power to thousands and forcing the closure of the 520 Bridge for two hours.

In Monroe, a tree toppled onto a Mustang which had been traveling southbound on SR-203 near Ben Howard Road. The driver, a 48-year-old Granite Falls man, suffered serious injuries to his head and legs, troopers said. Medics attempted to take the man to Harborview Medical Center in Seattle but due to downed trees and power lines in the area, diverted to Providence Medical Center in Everett. In Seattle's University District, a 2-year-old child was struck by a tree branch and taken to Harborview Medical Center on the 4200 block of Roosevelt Way NE, Seattle Fire officials said. The child's injuries were said to be not life-threatening.

Strong winds gusting over 45 mph also forced the DOT to close the 520 Bridge. Troopers said there was a 4-5 foot sway in the bridge at the high-rises and that drivers in 50 cars abandoned their vehicles and walked off the bridge. They later got a trooper escort to remove their cars and the bridge opened about two hours later as the winds subsided a bit.

Reports of trees and power lines down were numerous across the Puget Sound area, and over 200,000 people lost power as the storm raged. Puget Sound Energy reported 105,000 customers without power across 1,000 separate outages while Seattle City Light reported 44,000 in the dark at its peak. Snohomish PUD had 40,000 out but that number had dropped to 10,000 by mid afternoon. Mason PUD said 5,900 lost power. In Redmond, officials reported a number of electrical transformers blew and caught fire.

Winds gusted well over 50 mph in many spots around the Puget Sound area, with Alki Beach recording a 61 mph gust, Sea-Tac Airport hit 59, Oak Harbor hit 55, and Everett hit 54 mph. Most other sites were well into the 40-49 mph wind gust range. Those on the Edmonds-Kingston ferry run must have had quite the ride as wind gusts were reported between 46-53 mph as the ferry crossed Puget Sound Saturday morning.

The winds peaked in the early afternoon and were in the process of calming down Saturday evening. In the storm's wake, colder air will move in, making for our inaugural big mountain snow event of the season. Snow levels will drop to 3,000 feet Saturday night (along with still-blustery winds of 30-40 mph), then down to 2,500 feet Sunday meaning it'll even be snowing at Snoqualmie Pass. A Winter Weather Advisory is in effect there for 6-11 inches of snow.

The Seattle Times**Powerful winds close Highway 520 bridge; thousands lose power**

A powerful windstorm pushed through the region Saturday, injuring at least three people, knocking out power to some 200,000 customers and forcing the closure of the Highway 520 bridge, which swayed as much as 5 feet in wind-whipped waters.

"It's been a crazy day," said State Patrol Trooper Chris Webb.

About 50 motorists abandoned their vehicles on the 520 bridge as waves splashing onto the roadway and poor visibility made them panicky about crossing the swaying and bouncing span, Webb said. The State Patrol closed the bridge about 11 a.m. and escorted the motorists to safety. The bridge reopened just after 1 p.m. "I've been on (the Patrol) 22 years," Webb said. "I don't think I've ever seen something like this."

The top gust inland clocked in at 62 mph at Alki Beach, while at Seattle-Tacoma International Airport, winds reached 59 mph.

"The winds were concentrated in the Seattle area, which is a little unusual," said Chris Burke, meteorologist with the National Weather Service in Seattle. The forecast for Sunday is much brighter. In the lowlands, Burke said, expect partly sunny skies, with a 40 percent chance of showers. Snow was predicted for Cascade Mountain passes, with between 6 and 11 inches anticipated by Sunday morning.

On Saturday, downed trees and branches created havoc. Winds ranging from 40 to 62 mph toppled trees in King, Snohomish and Kitsap counties, closing roads and highways and damaging at least two Seattle homes.

A construction worker was hurt on Capitol Hill on Saturday morning when a piece of metal awning he was installing blew off and hit him. A 2-year-old boy in the University District was seriously injured by a falling branch around 9:30 a.m. And a 48-year-old Granite Falls man was seriously injured south of Monroe when a tree fell across Highway 203 and onto his Mustang, according to the State Patrol. None of the injuries was expected to be life-threatening.

Utility workers scrambled to restore power to thousands of customers — including the QFC in University Village, where shoppers made their way in the dark. North Seattle bore the brunt of the power outages, which began almost as soon as the winds kicked up Saturday morning and peaked as winds reached their highest velocity around noon.

Seattle City Light said about 46,000 of its customers were in the dark at the peak of the storm. By early evening, about 21,000 remained without power, with crews working toward a goal of restoring service to most customers by 8 p.m. Saturday. Some customers were likely to be out of luck until midday Sunday.

At one point, Puget Sound Energy reported more than 1,000 separate outages affecting 105,000 customers.

The areas hardest hit in Seattle included Northeast Seattle between Wedgwood and Lake City; just north of Carkeek Park; and both sides of Aurora Avenue North between 165th and 195th streets. Areas along Lake Washington in Lake Forest Park, Laurelhurst and Madrona also were affected.

In Snohomish County, outages peaked at 40,000 in the morning before dwindling to about 10,000 by 3:30 p.m. Those outages were concentrated in the southern part of the county, between Bothell and Monroe, utility spokesman Neil Neroutsos said

Burke, of the National Weather Service, said the storm was all but over by 5 p.m.

Seattle Times staff reporters Emily Heffter, Susan Kelleher and Brian M. Rosenthal contributed to this report.