



2012
Qualifying Storm Events
January 18, 2012, Event Report

Filed on April 16, 2012

Table of Contents

Table of Contents	2
Event Description	3
Date of event.....	3
Event Type.....	3
Service Areas Affected.....	3
Number of Customers Affected.....	3
Summary of System Impacts.....	3
Mobilization Summary.....	4
Major Event Day – Qualification.....	6
Qualified Events - 2012.....	6
Current Event – Calculation Detail.....	6
Cumulative list of events that have qualified.....	6
Event Restoration – Cost Summary	7
Restoration Cost Detail by Qualifying Event.....	7
YTD Storm Restoration Cost Detail – Through March 31, 2012.....	7
Detail Documents.....	8
Restoration Cost Detail – Current Event.....	9
IEEE-1366 - Detailed List of Distribution Circuits with Outages.....	10
Terms, Codes and Definitions Used on Detail Reports.....	50
Media Coverage.....	51

Event Description

Date of event

January 18, 2012

Event Type

Snow, ice, and wind storms.

Service Areas Affected

A series of storm systems within a cold-air outbreak swept into the Pacific Northwest beginning on Saturday, January 14th, and continuing through Friday, January 20th. The outbreak brought a mix of mountain and lowland snow, freezing rain, and wind – the combined effects of which resulted in substantial electric system damage and interrupted service to customers across PSE's service areas.

As forecasted, this storm began on Saturday, January 14th, with light snowfall in Snohomish and King Counties and quickly spread across much of western Washington the following day. Snowfall continued on Monday and Tuesday (January 16th, 17th) adding considerably to what had fallen on previous days. On Wednesday, January 18th, a significant storm system moving inland near the Columbia River resulted in near-record snowfall within the southwest interior: six inches of snow fell in many areas around the Sound, with ten inches or more falling south of Tacoma. Total snowfall for the period between January 14th and January 20th ranged from approximately six inches in Kitsap County to more than two feet in some parts of Thurston County.

Snow transitioned to freezing rain on Wednesday, January 18th, and continued into the day on Thursday, the 19th. Ice accumulation – originally forecasted to be up to $\frac{1}{10}$ inch south of Tacoma – ranged from $\frac{1}{4}$ inch in King County to more than one inch in some parts of Pierce and Thurston Counties, causing extraordinary damage in these three areas.

While efforts were underway to restore power outages caused by the snow, ice, and freezing rain from the January 14th cold-air outbreak, a short-lived wind storm occurred overnight on Tuesday, January 24th, caused additional system damage across most of PSE's service areas and extended outage restoration efforts.

Number of Customers Affected

Approximately 477,890 customers were without power over the course of this event.

Summary of System Impacts

Total Number of Outages	2,819
Distribution Circuits Totally Out	148
Distribution Circuits Partially Out	2,671
Transmission Circuits Affected	67
Substations Totally Off-line	74

Mobilization Summary

The National Weather Service's Seattle Forecast Office provided early warning that the region was going to experience a series of cold weather storm systems and warned of potentially heavy snowfall. PSE alerted all operations personnel, requested 24 additional contract crews, and reserved extra four-wheel drive vehicles. Though the initial snowfall which blanketed the region was relatively dry and light, conditions changed quickly mid-week as snowfall became heavy and later transitioned to freezing rain. Moving quickly in response, PSE requested additional line and tree crews as well as logistical support for a growing number of crews. At the height of restoration efforts, PSE had deployed 285 electric line and 98 tree crews in response to this storm.

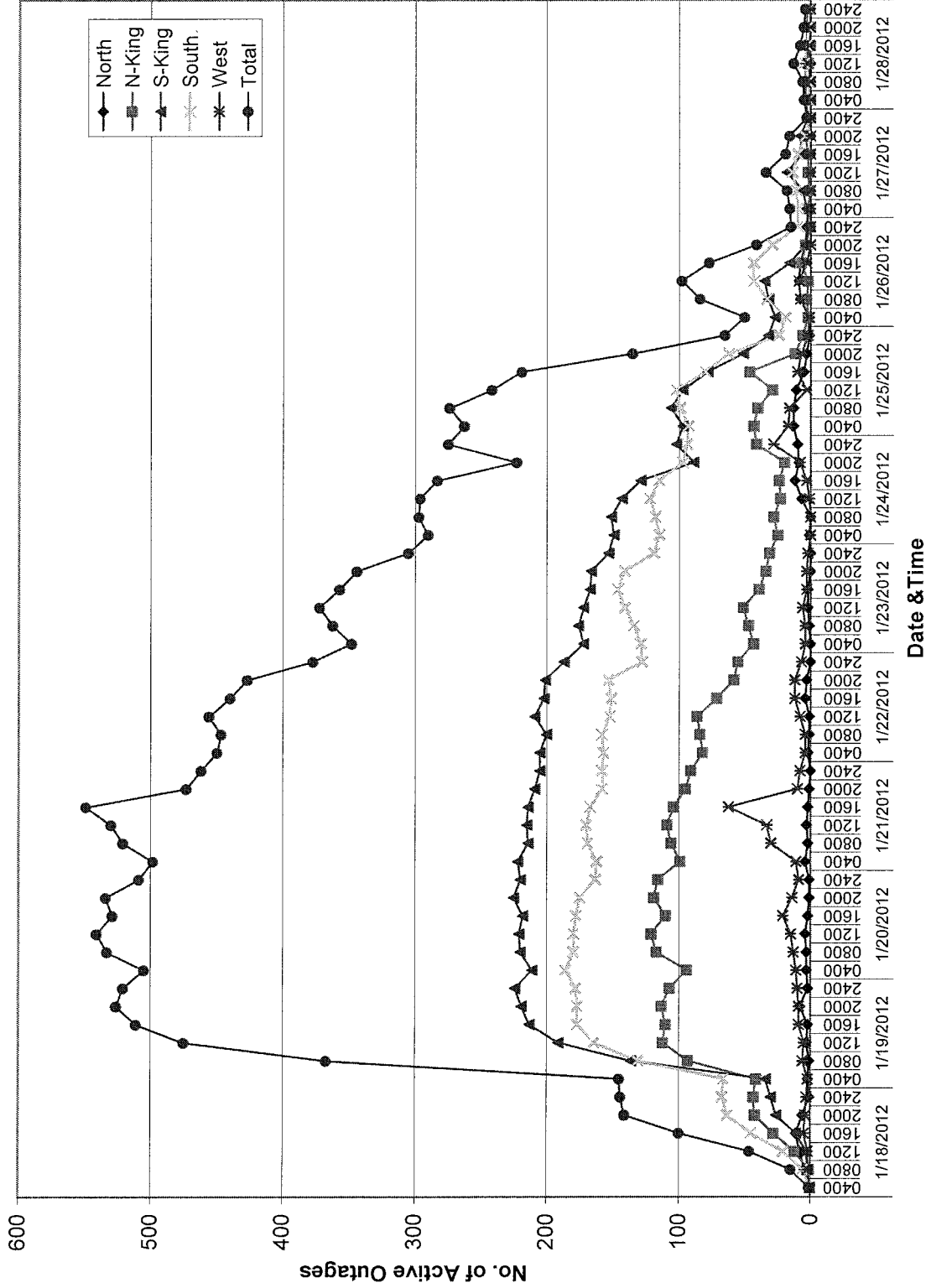
Operating Bases

Base	Date Opened	Time Opened	Date Closed	Time Closed
Kitsap	1/20/2012 and 1/24/2012	16:45 and 23:15	1/23/2012 and 1/25/2012	21:00 and 21:00
Jefferson	1/20/2012 and 1/24/2012	16:45 and 23:15	1/23/2012 and 1/25/2012	21:00 and 21:00
Vashon	1/20/2012 and 1/24/2012	07:00 and 23:15	1/23/2012 and 1/25/2012	21:00 and 21:00
North King	1/18/2012	13:15	1/25/2012	23:00
South King	1/18/2012	10:30	1/26/2012	20:00
Pierce	1/18/2012	18:30	1/26/2012	00:30
Thurston	1/18/2012	07:00	1/28/2012	17:00
Skagit	1/18/2012 and 1/25/2012	00:00 and 01:45	1/19/2012 and 1/25/2012	15:00 and 15:30
Whatcom	1/18/2012 and 1/25/2012	00:00 and 01:45	1/19/2012 and 1/25/2012	15:00 and 15:30
Island	1/18/2012 and 1/25/2012	00:00 and 01:45	1/19/2012 and 1/25/2012	15:00 and 15:30

Emergency Operations Center

EOC	Date Opened	Time Opened	Date Closed	Time Closed
	1/18/2012	15:00	1/26/2012	14:00

Outage Events - Jan. 18, 2012 to Jan. 28, 2012



Major Event Day – Qualification

IEEE 1366 Method

IEEE 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of distribution service reliability indices, to identify factors which affect the indices, and to aid in consistent reporting practices among utilities. Also, it provides guidance for new personnel in the reliability area, and tools for internal as well as external comparisons. The Major Event Day definition was created as part of IEEE 1366 to allow for consistent calculation of reliability metrics between utilities, and enable more valid comparisons with other utility reliability metrics.

IEEE Major Event Day Calculation (2.5 BETA METHOD)

1. A threshold on daily SAIDI is computed once a year, following year end.
2. Assemble the 5 most recent years of historical values of SAIDI/day.
3. Discard any days in the data set that has a SAIDI/day of zero.
4. Find the natural logarithm of each value in the data set.
5. Compute the average Alpha and the standard deviation (Beta) of the natural logarithms computed in step 3.
6. Compute the threshold Tmed where $T_{med} = \exp(\text{Alpha} + 2.5 * \text{Beta})$
7. Any day in the next year with SAIDI > Tmed is a major event day.

Puget Sound Energy's Major Event Threshold for 2012: 5.38 Minutes

Qualified Events - 2012

Current Event – Calculation Detail

Event Date	Total Customer Minutes	Average Customer Count	Daily SAIDI – Customer Minutes /Customer Count
01/18/2012	1,374,545,559	1,091,788	1,258.99

Cumulative list of events that have qualified

Date(s)	T-med Score	O&M – Deferrable Accumulation
01/18/2012	1,258.99	\$64,671,108

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
01/18/2012	\$56,671,108	\$5,817,076	\$0	\$1,527,167	\$64,671,108	\$66,198,275	\$72,015,351

YTD Storm Restoration Cost Detail – Through March 31, 2012

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
\$56,671,108	\$5,817,076	\$0	\$1,527,167	\$64,671,108	\$66,198,275	\$72,015,351

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 2012 Storm Damage Repair Costs through 03/31/2012

	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	\$ 16,774			\$ -	\$ 233,652	\$ 233,652	\$ 250,426
OT	\$ 15,059			\$ -	\$ 3,768,273	\$ 3,768,273	\$ 3,783,332
Total Labor	\$ -	\$ 31,834	\$ -	\$ -	\$ 4,001,925	\$ 4,001,925	\$ 4,033,758
Labor OH		\$ 20,530		\$ 497,087	\$ 1,776,178	\$ 2,273,264	\$ 2,293,794
Materials		\$ 801,187		\$ -	\$ 897,827	\$ 897,827	\$ 1,699,014
Contractors		\$ 3,974,890		\$ -	\$ 56,140,683	\$ 56,140,683	\$ 60,115,573
Other Direct Charges		\$ 100		\$ -	\$ 1,304,976	\$ 1,304,976	\$ 1,305,075
Fleet		\$ 4,946		\$ -	\$ 409,892	\$ 409,892	\$ 414,838
Other Assessments		\$ 983,590		\$ 1,030,080	\$ 139,627	\$ 1,169,708	\$ 2,153,298
Deferred Expenses	\$ 56,671,108			\$ -	(\$ 56,671,108)	(\$ 56,671,108)	\$ 0
	\$ 56,671,108	\$ 5,817,076	\$ -	\$ 1,527,167	\$ 8,000,000	\$ 9,527,167	\$ 72,015,351

IEEE-1366 - Detailed List of Distribution Circuits with Outages

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E950228699	1/18/2012	2:49:45 AM	LLS-17	EAA	TV	OCO	3	1,780
E733956088	1/18/2012	3:15:46 AM	NUG-26	EAA	TV	OFU	7	926
E107744081	1/18/2012	3:46:00 AM	LYO-12	EBJ	TV	OPO	1,994	2,408,397
E605865731	1/18/2012	5:50:00 AM	HAM-13	EAC	EF	OFU	16	2,304
E479794589	1/18/2012	5:50:30 AM	ROC-17	ECC	TV	OTF	16	4,136
E610445336	1/18/2012	6:39:24 AM	SWD-12	ECE	CP	OPO	32	16,787
E006574961	1/18/2012	6:59:00 AM	OSC-25	EBI	EF	OUP	925	67,525
E083110908	1/18/2012	6:59:35 AM	NBO-25	EBD	TV	OCO	2	345
E333366610	1/18/2012	7:02:43 AM	SWI-16	ECC	TV	OCO	63	6,570
E765113242	1/18/2012	7:10:40 AM	CHM-15	ECF	TV	OCO	28	7,905
E852967749	1/18/2012	7:20:36 AM	BLU-17	ECC	TV	OCO	4	642
E623734203	1/18/2012	7:29:48 AM	GBK-15	EAD	TV	OFU	5	531
E473591602	1/18/2012	7:37:13 AM	AIR-23	ECC	TV	OJU	19	5,145
E530914137	1/18/2012	7:42:01 AM	ROC-25	ECC	TV	OCO	19	11,742
E853188505	1/18/2012	7:42:20 AM	LGY-15	EAD	TV	OCO	409	68,576
E798868726	1/18/2012	7:45:16 AM	ROC-26	ECC	TV	OCO	9	1,348
E140148351	1/18/2012	7:50:10 AM	KNT-37	EBJ	TV	OTF	5	799
E658686941	1/18/2012	7:53:26 AM	HAP-13	EAA	TV	OJU	289	43,062
E135922145	1/18/2012	8:09:13 AM	NLM-16	EAC	TV	OCO	6	2,495
E028251508	1/18/2012	8:10:23 AM	MER-12	EBE	PO	OSV	6	11,278
E134577831	1/18/2012	8:13:00 AM	BAK-26	EAA	TV	OCO	6	2,022
E564378312	1/18/2012	8:14:46 AM	ROC-16	ECC	TV	OTR	18	7,294
E231875167	1/18/2012	8:16:28 AM	KAP-13	ECA	TV	OCO	3	413
E870178271	1/18/2012	8:21:22 AM	BLU-16	ECC	TV	OTF	29	6,572
E112403349	1/18/2012	8:21:27 AM	CHA-15	ECC	TV	OTF	4	582
E970890998	1/18/2012	8:30:00 AM	SWI-15	ECC	TV	OCO	143	20,020
E572050672	1/18/2012	8:30:52 AM	LAT-14	EBJ	TV	OCO	5	896
E998658018	1/18/2012	8:38:30 AM	GLC-15	EBJ	TV	OHR	213	33,761
E125750416	1/18/2012	8:41:07 AM	BRS-24	EAC	TV	OFU	27	6,261
E808111995	1/18/2012	8:53:58 AM	SOO-23	EBJ	TV	OCO	1,090	100,316
E146469028	1/18/2012	8:56:12 AM	ROS-15	EBD	EF	USV	1	179
E538135322	1/18/2012	9:02:35 AM	MCA-15	ECC	TV	OCO	36	10,707
E688991555	1/18/2012	9:06:31 AM	GWR-16	EBI	TV	OHR	12	3,282
E264034840	1/18/2012	9:15:34 AM	HAM-15	EAC	TV	OFU	1	209
E956682573	1/18/2012	9:23:12 AM	TOL-15	EBD	TV	OCO	29	3,387
E370150448	1/18/2012	9:23:17 AM	HAM-13	EAC	EF	OTH	7	1,972
E134509970	1/18/2012	9:37:15 AM	MCA-13	ECC	TV	OCO	6	713
E085398264	1/18/2012	9:38:10 AM	PRI-13	ECC	TV	OCO	35	15,517
E568828557	1/18/2012	9:48:11 AM	VIS-23	EAA	EF	OTF	1	92
E658894107	1/18/2012	9:48:28 AM	KAP-16	ECA	TV	OCO	2	287
E965518100	1/18/2012	9:52:13 AM	LUH-14	ECC	TV	OCO	3	395
E958122327	1/18/2012	9:55:36 AM	SME-15	EBE	TV	OCO	125	25,800
E048573150	1/18/2012	9:57:56 AM	BLU-13	ECC	TV	OCO	31	3,133

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E881824131	1/18/2012	10:17:19 AM	NBE-16	EBF	TV	OCO	27	3,609
E920433793	1/18/2012	10:27:12 AM	COT-13	EBD	TV	OCO	5	622
E146036504	1/18/2012	10:38:19 AM	DUV-15	EBD	TV	OCO	40	4,947
E900472691	1/18/2012	10:43:39 AM	YEL-23	ECC	TV	OCO	24	11,912
E866421319	1/18/2012	10:46:26 AM	DUV-12	EBD	TV	OPO	382	692,782
E781990804	1/18/2012	10:47:37 AM	WAY-13	EBD	TV	OCO	63	14,817
E927483520	1/18/2012	10:48:54 AM	RAI-12	ECC	TV	OCO	108	15,131
E382277851	1/18/2012	10:49:20 AM	ELD-27	ECC	TV	OCO	126	42,924
E091168522	1/18/2012	11:00:12 AM	FCR-12	EBI	TV	OFU	11	1,351
E765501104	1/18/2012	11:05:53 AM	WOL-23	ECC	TV	OSV	1	3,746
E447724301	1/18/2012	11:07:38 AM	CAP-15	ECC	TV	OCO	100	10,237
E549279042	1/18/2012	11:14:07 AM	LLT-16	EBD	TV	OPO	95	55,944
E095811016	1/18/2012	11:14:30 AM	LLT-15	EBD	TV	OCO	1	1,191
E097965728	1/18/2012	11:19:53 AM	NBO-26	EBD	TV	OCO	2	1,246
E647796753	1/18/2012	11:22:30 AM	RAI-14	ECC	TV	OCO	4	42,690
E199960786	1/18/2012	11:34:49 AM	ROC-17	ECC	TV	OCO	8	5,657
E169399457	1/18/2012	11:35:34 AM	SEQ-13	EBJ	TV	OSV	1	131
E741658895	1/18/2012	11:39:08 AM	LGY-12	EAD	TV	OTH	1	251
E038753693	1/18/2012	11:44:50 AM	HEM-13	ECA	TV	OCO	42	4,711
E259951689	1/18/2012	11:45:15 AM	BON-13	ECA	UN	PMF	79	22,653
E391281915	1/18/2012	11:46:20 AM	KWH-25	EBE	TV	OTF	6	604
E125526952	1/18/2012	11:47:36 AM	UHL-23	EBD	EF	OCO	17	5,056
E950165763	1/18/2012	11:49:06 AM	SIN-25	ECD	TV	OHR	50	14,445
E528697468	1/18/2012	11:50:05 AM	BLU-13	ECC	TV	OCO	19	1,556
E085924695	1/18/2012	11:57:37 AM	ROC-26	ECC	TV	OCR	200	2,130,477
E414410636	1/18/2012	11:57:47 AM	BRU-12	EAC	TV	OCO	1	283
E995808943	1/18/2012	11:59:46 AM	MCA-13	ECC	TV	OPO	182	62,781
E760121905	1/18/2012	12:01:35 PM	BLU-17	ECC	TV	OCO	139	115,011
E826825348	1/18/2012	12:05:39 PM	HWD-25	EBD	TV	OCO	204	54,335
E865433455	1/18/2012	12:05:55 PM	WOL-25	ECC	TV	OCO	97	17,662
11033716	1/18/2012	12:07:00 PM	WAB-12	EBI	TV	OCO	242	215,138
E124227581	1/18/2012	12:10:34 PM	BDI-13	EBI	TV	OHR	219	10,169
E088505119	1/18/2012	12:21:26 PM	RHO-15	ECA	TV	OTF	5	393
E428054655	1/18/2012	12:24:44 PM	COT-16	EBD	TV	OCO	986	34,773
E361782224	1/18/2012	12:24:45 PM	GLC-14	EBJ	TV	OFU	15	1,189
E749906231	1/18/2012	12:28:45 PM	LGY-16	EAD	EF	OCO	2	387
E135018252	1/18/2012	12:33:41 PM	RAI-11	ECC	TV	OCO	114	73,566
E731396871	1/18/2012	12:37:06 PM	BLU-16	ECC	TV	OCO	33	11,481
E485012179	1/18/2012	12:38:27 PM	GRI-15	ECC	TV	OCO	85	538,607
E534145151	1/18/2012	12:39:36 PM	QUI-25	ECF	TV	OCO	7	1,760
E158788065	1/18/2012	12:42:40 PM	MIR-16	EBF	TV	OCO	75	24,250
E167202792	1/18/2012	12:43:02 PM	ELD-26	ECC	TV	OSV	1	391
E267878186	1/18/2012	12:44:11 PM	MOT-14	ECC	TV	OCO	56	8,054
E916805584	1/18/2012	12:44:54 PM	MCA-16	ECC	TV	OCO	13	4,486
E419348511	1/18/2012	12:48:19 PM	BLS-23	EAA	TV	OFU	52	6,484
E997841512	1/18/2012	12:50:00 PM	AIR-26	ECC	TV	OCO	13	5,070
E317634170	1/18/2012	12:50:15 PM	SOO-25	EBI	TV	OFU	13	946
E536770668	1/18/2012	12:50:44 PM	DUV-13	EBD	TV	OCO	1,707	90,926
E966716330	1/18/2012	12:57:32 PM	PLA-21	EBD	TV	OCO	788	87,048

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E833390600	1/18/2012	1:02:06 PM	AIR-23	ECC	TV	OCO	300	3,068,370
E725984541	1/18/2012	1:06:41 PM	SIL-15	ECD	TV	OSV	1	300
E140205220	1/18/2012	1:07:01 PM	ELL-13	EBI	TV	OCO	48	9,263
E319210564	1/18/2012	1:08:18 PM	SWI-15	ECC	TV	OCO	10	5,347
E783985230	1/18/2012	1:08:30 PM	BRS-24	EAC	TV	OFU	13	2,360
E765817518	1/18/2012	1:10:02 PM	YEL-25	ECC	TV	OCO	96	79,965
E213264853	1/18/2012	1:10:53 PM	TOL-15	EBD	TV	OCO	330	208,269
E785263047	1/18/2012	1:13:21 PM	WLK-15	ECA	TV	OPO	33	13,848
E980248441	1/18/2012	1:19:04 PM	HWD-22	EBD	TV	OCO	6	4,560
E266505674	1/18/2012	1:20:08 PM	BLU-13	ECC	TV	OCO	156	106,839
E238281176	1/18/2012	1:21:19 PM	GRI-13	ECC	TV	OCO	150	931,303
E337586702	1/18/2012	1:24:45 PM	FRG-25	ECC	TV	OCO	64	12,816
E379269689	1/18/2012	1:27:10 PM	SHD-18	EBI	TV	OCO	412	2,200,423
E244966650	1/18/2012	1:27:10 PM	SHD-18	EBI	TV	OCO	8	71,183
E852366587	1/18/2012	1:27:33 PM	LLT-17	EBD	TV	OCO	77	66,486
E887076337	1/18/2012	1:30:39 PM	BON-17	ECA	TV	OCO	6	392
E220561761	1/18/2012	1:30:57 PM	PRI-23	ECC	TV	OCO	213	122,273
E370438407	1/18/2012	1:33:43 PM	PLG-15	ECC	TV	OCO	1,130	72,640
E867606131	1/18/2012	1:33:53 PM	LAC-17	ECC	TV	OCO	112	31,821
E748305655	1/18/2012	1:38:01 PM	VAS-13	EBL	TV	OCO	5	1,495
E330601783	1/18/2012	1:38:58 PM	TOL-17	EBD	TV	OCO	23	26,704
E487787190	1/18/2012	1:39:41 PM	KNM-26	EBD	TV	OSV	1	105
E512793499	1/18/2012	1:42:47 PM	FLD-13	EAD	TV	OCO	19	4,507
E842574359	1/18/2012	1:45:25 PM	FRG-22	ECC	TV	OCO	4	498
E217254523	1/18/2012	1:46:09 PM	SHD-18	EBI	TV	OCO	1,003	7,862,987
E110164313	1/18/2012	1:49:00 PM	ORT-23	ECA	TV	OCO	2,667	9,182,481
E768716214	1/18/2012	1:50:00 PM	PAT-16	ECC	TV	OCO	295	26,255
E592300914	1/18/2012	1:53:23 PM	FRG-24	ECC	TV	OCO	6	1,570
E312145833	1/18/2012	1:55:02 PM	BHS-12	EAA	EF	OIN	66	13,858
E455043098	1/18/2012	1:56:42 PM	BIG-12	EAC	TV	OCO	35	9,041
E339341144	1/18/2012	1:59:08 PM	ORC-17	EBJ	TV	OCO	39	8,029
E582047794	1/18/2012	1:59:49 PM	VAS-23	EBL	TV	OCO	35	4,752
E615689709	1/18/2012	2:09:38 PM	NRU-25	EBE	TV	OCO	42	16,305
E673970189	1/18/2012	2:11:09 PM	GRI-16	ECC	TV	OCO	20	123,217
E110433416	1/18/2012	2:12:39 PM	LON-25	ECC	TV	OCO	1,278	234,321
E531699522	1/18/2012	2:13:12 PM	CWD-23	EBD	EF	OTF	3	971
E297487069	1/18/2012	2:13:50 PM	SOO-23	EBJ	TV	OTF	5	491
E495404600	1/18/2012	2:16:15 PM	LON-23	ECC	TV	OCO	240	1,356,900
E561650354	1/18/2012	2:17:44 PM	ALG-15	EAA	TV	OCO	15	4,909
E135459548	1/18/2012	2:18:29 PM	CUM-15	EBI	TV	OSV	1	122
E054241192	1/18/2012	2:18:54 PM	SOO-27	EBJ	TV	OFU	17	2,994
E471379418	1/18/2012	2:20:13 PM	ORT-22	ECA	TV	OTF	6	677
E719776574	1/18/2012	2:23:16 PM	SOO-26	EBJ	TV	OCO	64	15,471
E741725492	1/18/2012	2:23:47 PM	FLD-12	EAD	TV	OHR	746	44,922
E457347777	1/18/2012	2:40:03 PM	LMC-25	EBF	EF	OCO	72	18,656
E870152647	1/18/2012	2:40:17 PM	SLA-17	EAA	TV	OTF	1	105
11029002	1/18/2012	2:43:00 PM	KAP-15	ECA	TV	OCO	231	153,615
E569583525	1/18/2012	2:43:53 PM	KAP-15	ECA	TV	OCO	1,075	658,025
E172161169	1/18/2012	2:47:13 PM	ROC-15	ECC	TV	OCO	56	14,828

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E728889928	1/18/2012	2:49:12 PM	GLC-14	EBJ	TV	OFU	7	601
E796345297	1/18/2012	2:52:39 PM	KEN-12	EAA	TV	UTC	5	502
E681896046	1/18/2012	2:53:32 PM	PAT-15	ECC	TV	OCO	750	4,713,350
E249309107	1/18/2012	2:54:10 PM	CHA-13	ECC	TV	OTR	2,100	345,100
E900222207	1/18/2012	2:54:15 PM	ROC-16	ECC	TV	OCO	816	514,692
E517245617	1/18/2012	2:58:12 PM	MIR-15	EBF	EF	OCO	40	19,912
E799217894	1/18/2012	2:58:56 PM	VIT-23	EBD	TV	OCO	126	51,038
E326933267	1/18/2012	3:01:00 PM	LMC-27	EBF	EF	OCO	944	82,128
E262344255	1/18/2012	3:01:47 PM	HAW-12	ECC	TV	OSV	1	140
E994215958	1/18/2012	3:05:40 PM	RAI-12	ECC	TV	OCO	23	238,610
E299680623	1/18/2012	3:07:08 PM	LLT-13	EBD	TV	OCO	9	6,281
E846290033	1/18/2012	3:10:41 PM	MOT-14	ECC	TV	OFC	37	2,750
E329998635	1/18/2012	3:13:21 PM	BTR-22	EBD	TV	OPO	19	10,861
E635178616	1/18/2012	3:15:30 PM	PLA-22	EBD	TV	OCO	20	17,790
E641530234	1/18/2012	3:16:43 PM	YEL-27	ECC	TV	OCO	26	21,925
E812173371	1/18/2012	3:19:14 PM	BIG-15	EAC	TV	OTF	1	131
E261956690	1/18/2012	3:19:39 PM	DUV-15	EBD	TV	OCO	338	508,350
E061538256	1/18/2012	3:32:33 PM	SCH-16	EAA	TV	OPO	1	342
E953737258	1/18/2012	3:33:05 PM	TLN-0041	ECA	TV	OCO	503	8,509
E297573250	1/18/2012	3:38:29 PM	YEL-26	ECC	TV	OCO	41	17,241
E720110136	1/18/2012	3:39:00 PM	KAP-16	ECA	TV	OCO	1,324	14,564
E590763492	1/18/2012	3:41:00 PM	GAR-12	ECA	TV	OCO	339	1,096,326
E221753404	1/18/2012	3:44:45 PM	LON-17	ECC	TV	OCO	190	1,950,398
E944654760	1/18/2012	3:48:34 PM	HOB-16	EBI	TV	OCO	55	25,104
E855181304	1/18/2012	3:49:32 PM	BHS-14	EAA	EF	OTF	2	101
E288899604	1/18/2012	3:56:48 PM	BUC-16	ECA	TV	OCO	657	5,219,921
E270016008	1/18/2012	3:57:24 PM	KAP-13	ECA	TV	OCO	241	2,169,627
E199712471	1/18/2012	4:02:29 PM	ELL-12	EBI	EF	OTR	8	1,420
E169895978	1/18/2012	4:02:55 PM	SOO-25	EBI	TV	OHR	517	31,063
E181252734	1/18/2012	4:05:05 PM	CTR-22	EBJ	TV	OFU	30	5,548
E272294844	1/18/2012	4:08:19 PM	LON-26	ECC	TV	OCO	10	101,907
E303388889	1/18/2012	4:13:53 PM	LMC-25	EBE	TV	OCO	3	2,940
E360918657	1/18/2012	4:17:09 PM	FCR-12	EBI	TV	OFU	61	30,125
E561737334	1/18/2012	4:21:35 PM	ORT-22	ECA	TV	OCO	1,766	8,120,804
E400262284	1/18/2012	4:22:41 PM	BRS-24	EAC	TV	OCO	5	1,457
E628449132	1/18/2012	4:29:43 PM	LGY-12	EAD	TV	OCO	12	3,327
E513288645	1/18/2012	4:29:52 PM	GAR-13	ECA	TV	OCO	550	4,358,523
E211375537	1/18/2012	4:31:10 PM	GRA-16	EBJ	PO	OCO	12	4,726
E883017392	1/18/2012	4:34:39 PM	AIR-22	ECC	TV	OTR	11	6,824
E314848043	1/18/2012	4:34:57 PM	JHO-15	ECC	TV	OCO	63	25,518
E770768122	1/18/2012	4:36:38 PM	FRA-12	ECD	TV	OCO	2	243
E258750313	1/18/2012	4:38:55 PM	HWD-25	EBD	TV	OCO	8	2,969
E334384960	1/18/2012	4:40:07 PM	VIK-25	EAA	EF	OFU	7	608
E948507199	1/18/2012	4:40:34 PM	HAR-15	EBJ	TV	OCO	42	4,890
E940958808	1/18/2012	4:49:59 PM	BRO-15	EAD	TV	OCO	10	7,230
E411212913	1/18/2012	4:53:55 PM	DGR-13	ECA	TV	OCO	302	109,651
E376405440	1/18/2012	4:56:40 PM	STW-12	ECA	TV	OCO	33	20,999
E573032824	1/18/2012	4:59:26 PM	ELD-27	ECC	TV	OCO	150	65,335
E370103487	1/18/2012	4:59:44 PM	FCR-14	EBI	TV	OFU	79	15,031

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E904677670	1/18/2012	5:01:03 PM	GLC-13	EBJ	TV	OFU	11	2,474
11029005	1/18/2012	5:02:00 PM	WLK-15	ECA	TV	OCO	563	4,504
E917430263	1/18/2012	5:03:50 PM	RAI-13	ECC	TV	OCO	15	153,843
E004542252	1/18/2012	5:05:06 PM	BRS-13	EAC	TV	OFU	7	818
E321349887	1/18/2012	5:06:04 PM	WLK-13	ECA	TV	OCO	1,060	4,169
E429560012	1/18/2012	5:11:00 PM	SLA-17	EAA	EF	OTF	1	144
E097508250	1/18/2012	5:11:26 PM	PHA-13	EBE	TV	OSV	1	394
E354881565	1/18/2012	5:14:00 PM	DUV-13	EBD	TV	OTR	1,707	126,318
E790426484	1/18/2012	5:18:04 PM	ING-13	EBD	TV	OCO	76	9,343
E802551491	1/18/2012	5:19:36 PM	BUC-15	ECA	TV	OCO	3	1,570
E529350141	1/18/2012	5:20:36 PM	TOT-23	EBD	TV	OCO	4	2,258
E785244993	1/18/2012	5:21:15 PM	MCA-15	ECC	TV	OCO	335	1,203,906
E682801366	1/18/2012	5:27:31 PM	MIR-17	EBF	TV	OCO	15	1,837
E960511274	1/18/2012	5:29:43 PM	HEM-16	ECA	TV	OCO	133	31,825
E698067013	1/18/2012	5:30:41 PM	WLK-13	ECA	TV	OCO	18	6,252
E164508642	1/18/2012	5:35:47 PM	BUC-25	ECA	TV	OCO	23	6,767
E427823828	1/18/2012	5:38:16 PM	SNQ-13	EBF	TV	OCO	33	18,207
E835155177	1/18/2012	5:39:17 PM	SOO-27	EBJ	TV	OPO	1,384	8,272,412
E167547369	1/18/2012	5:43:44 PM	CHM-11	ECF	EF	OTF	3	388
E860903544	1/18/2012	5:46:24 PM	UHL-23	EBD	TV	OCO	7	3,854
E353281981	1/18/2012	5:48:11 PM	GAR-15	ECA	TV	OCO	209	98,819
E208744501	1/18/2012	5:53:37 PM	PLG-13	ECC	TV	OTR	5	1,477
E877947885	1/18/2012	5:56:51 PM	VAS-22	EBL	TV	OFU	36	3,497
11030817	1/18/2012	5:57:00 PM	VAS-23	EBL	TV	OSV	1	369
E156889509	1/18/2012	5:59:00 PM	COT-16	EBD	TV	OCO	986	80,852
E937570206	1/18/2012	5:59:00 PM	COT-13	EBD	TV	OCO	2,059	533,281
E960928945	1/18/2012	6:00:27 PM	SNQ-13	EBD	TV	OPO	163	485,341
E146623625	1/18/2012	6:02:43 PM	SUN-11	ECA	TV	OCO	2,572	365,953
E306557023	1/18/2012	6:03:56 PM	COL-26	EBE	TV	OTF	1	266
E170272748	1/18/2012	6:04:40 PM	WOO-27	ECA	TV	OCO	107	55,783
E854567240	1/18/2012	6:04:47 PM	ROC-25	ECC	TV	OCO	295	1,626,989
E119426061	1/18/2012	6:04:52 PM	SOO-23	EBJ	TV	OCO	1,098	337,232
E703832557	1/18/2012	6:09:14 PM	PIN-26	EBF	TV	OCO	1	117
E329378676	1/18/2012	6:21:01 PM	PAT-13	ECC	TV	OCR	198	1,203,045
E838035508	1/18/2012	6:30:51 PM	DGR-16	ECA	TV	OCO	202	1,063,964
E485962276	1/18/2012	6:30:54 PM	ROS-15	EBD	TV	OCO	1	445
E419199186	1/18/2012	6:31:44 PM	AIR-25	ECC	TV	OCO	172	77,962
E095910099	1/18/2012	6:42:15 PM	ING-15	EBD	TV	OSV	1	18
E264988600	1/18/2012	6:42:26 PM	MKI-16	ECC	TV	OCO	178	1,722,607
E347451875	1/18/2012	6:47:02 PM	BLU-16	ECC	TV	OCO	282	2,761,617
E096163254	1/18/2012	6:48:52 PM	PRI-13	ECC	TV	OCO	53	16,119
E005512212	1/18/2012	6:52:40 PM	PAN-15	EBJ	TV	OFU	9	1,596
E476205324	1/18/2012	6:53:43 PM	SHD-17	EBI	TV	OCO	1,441	4,701,039
E446927952	1/18/2012	7:00:45 PM	BON-15	ECA	TV	OCO	6	3,974
E656204114	1/18/2012	7:01:14 PM	LWS-15	EBJ	TV	OCO	514	66,186
E303688335	1/18/2012	7:04:49 PM	NBO-25	EBD	TV	OCO	8	9,321
E672432146	1/18/2012	7:05:24 PM	BIG-15	EAC	EF	OTF	4	770
E873544492	1/18/2012	7:10:22 PM	VAS-12	EBL	EF	UPC	1	821
E834984871	1/18/2012	7:12:49 PM	YEL-23	ECC	TV	OCO	50	409,859

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E440456891	1/18/2012	7:13:02 PM	LYO-15	EBJ	TV	OFU	48	14,014
E203890499	1/18/2012	7:13:48 PM	GLC-15	EBJ	TV	OFU	96	34,483
E732254146	1/18/2012	7:19:34 PM	AVO-17	EBD	TV	OCO	6	2,343
E870394877	1/18/2012	7:19:42 PM	ROC-15	ECC	TV	OCO	8	4,610
E505826375	1/18/2012	7:21:36 PM	LON-22	ECC	TV	OCO	117	88,148
E176199199	1/18/2012	7:22:25 PM	MAP-16	EBE	TV	OCO	13	1,397
E025139151	1/18/2012	7:27:04 PM	BDI-13	EBI	TV	OCO	1,069	5,079,506
E898771672	1/18/2012	7:27:04 PM	BDI-13	EBI	TV	OCO	753	5,303,329
E784576128	1/18/2012	7:30:30 PM	RHO-13	ECA	TV	OCO	88	25,476
E703531728	1/18/2012	7:31:27 PM	COT-15	EBD	TV	OCO	31	9,875
E839637875	1/18/2012	7:33:57 PM	ING-13	EBD	TV	OCO	15	6,916
E309849561	1/18/2012	7:38:15 PM	WAB-13	EBI	TV	OCO	51	20,030
E751133816	1/18/2012	7:41:09 PM	DES-12	EBJ	TV	OCO	1,254	106,402
E481814138	1/18/2012	7:42:14 PM	HOB-15	EBI	TV	OCO	849	3,645,872
E269825696	1/18/2012	7:44:34 PM	PIP-25	EBI	TV	OCO	1,142	148,955
E531851527	1/18/2012	7:45:16 PM	ELD-25	ECC	TV	OFC	4	2,079
E982386561	1/18/2012	7:45:57 PM	EGT-12	EBE	TV	OCO	224	118,507
E620830745	1/18/2012	7:46:23 PM	LYN-26	EAA	EF	OTF	2	127
E638181755	1/18/2012	7:51:00 PM	SMR-26	ECA	TV	OCO	607	64,342
E007606255	1/18/2012	7:51:08 PM	PAT-16	ECC	TV	OCO	6	1,709
E320768044	1/18/2012	7:53:00 PM	LWS-12	EBI	TV	OHR	169	989,833
E112754872	1/18/2012	7:53:00 PM	LWS-12	EBI	TV	CDH	300	2,108,100
E218969791	1/18/2012	7:58:32 PM	POU-13	ECE	TV	OFU	1	155
E489754769	1/18/2012	8:00:48 PM	LAC-17	ECC	TV	OCO	419	1,308,202
E927637530	1/18/2012	8:02:30 PM	ALG-15	EAA	TV	OCO	1	70
E831206262	1/18/2012	8:04:20 PM	SAH-16	EBD	TV	OCO	1,571	319,960
E382846098	1/18/2012	8:12:33 PM	LON-25	ECC	TV	OCO	157	1,128,430
E584871290	1/18/2012	8:14:10 PM	MIR-13	EBF	TV	OCO	41	21,559
E275538856	1/18/2012	8:24:31 PM	FWD-17	EBJ	TV	OCO	1,607	778,565
E873720942	1/18/2012	8:24:47 PM	PAN-12	EBJ	TV	OCO	268	31,414
E081561335	1/18/2012	8:28:18 PM	SPA-16	ECA	TV	UTC	110	29,447
E251411867	1/18/2012	8:28:46 PM	GAR-16	ECA	TV	OCO	1,167	4,885,334
E690126988	1/18/2012	8:30:00 PM	KNO-11	ECA	TV	OCO	87	36,540
E293458379	1/18/2012	8:32:27 PM	CUM-15	EBI	TV	OCO	315	2,119,338
E566169563	1/18/2012	8:44:34 PM	CUM-13	EBI	TV	OCO	3	12,067
E745180047	1/18/2012	8:54:36 PM	WIS-14	EBF	TV	OCO	20	12,808
E141023994	1/18/2012	9:01:49 PM	SNQ-17	EBF	TV	OCO	444	545,313
E570818133	1/18/2012	9:06:08 PM	TAN-16	ECC	TV	OCO	41	5,858
E850124211	1/18/2012	9:10:48 PM	MIR-13	EBD	TV	OCO	4	29,793
E994242702	1/18/2012	9:27:06 PM	LLT-16	EBD	TV	OCO	44	16,628
E299334896	1/18/2012	9:30:17 PM	CHA-15	ECC	TV	OCO	1,600	6,623,547
E470037582	1/18/2012	9:36:29 PM	MCA-13	ECC	TV	OCO	971	3,240,729
E929653196	1/18/2012	9:42:06 PM	LYO-15	EBI	TV	OCO	36	152,888
E080262360	1/18/2012	9:48:27 PM	GLC-12	EBJ	TV	OCO	284	1,758,300
11028189	1/18/2012	9:51:00 PM	DUV-13	EBE	TV	OPO	1,707	8,535
E540198499	1/18/2012	9:52:22 PM	PAN-15	EBJ	TV	OCO	1,663	137,419
E645215781	1/18/2012	10:06:45 PM	PIP-25	EBI	TV	OCO	44	8,063
E685183842	1/18/2012	10:08:01 PM	TLN-0054	EBD	TV	OCO	4,663	247,061
E333015382	1/18/2012	10:12:14 PM	BON-17	ECA	TV	OCO	30	41,933

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E522394920	1/18/2012	10:21:03 PM	SME-15	EBE	TV	OCO	173	124,205
E802024553	1/18/2012	10:29:05 PM	LWS-13	EBJ	TV	OCO	20	110,918
E859710168	1/18/2012	10:32:19 PM	FAL-15	EBF	TV	OCO	56	19,750
E844182485	1/18/2012	10:33:58 PM	MAN-12	ECD	EF	OCN	1	206
E177357182	1/18/2012	10:34:50 PM	SEQ-13	EBJ	TV	OFU	18	3,639
E751202625	1/18/2012	10:36:39 PM	LHL-25	EBE	TV	OSV	3	16,630
E147722250	1/18/2012	10:39:45 PM	SWI-16	ECC	TV	OCO	74	34,873
E980881433	1/18/2012	10:40:57 PM	WOO-25	ECA	TV	OCO	911	989,392
E280557105	1/18/2012	10:53:46 PM	LWS-16	EBJ	TV	OSV	696	3,977,562
E164547141	1/18/2012	11:01:35 PM	PLG-16	ECC	TV	OCO	384	2,227,744
E107760272	1/18/2012	11:07:57 PM	PRI-23	ECC	TV	OCO	42	5,966
E932573332	1/18/2012	11:08:56 PM	EGT-25	EBF	TV	OCO	21	10,312
E521418509	1/18/2012	11:11:59 PM	WOO-26	ECA	TV	OCO	1,816	4,810,614
E501149575	1/18/2012	11:18:26 PM	KWH-25	EBE	TV	OSV	2	11,487
E093881120	1/18/2012	11:18:32 PM	SOO-26	EBI	TV	OCO	117	795,352
E190494215	1/18/2012	11:18:39 PM	ELD-23	ECC	TV	OCO	59	27,220
E098806842	1/18/2012	11:23:48 PM	VAS-13	EBL	TV	OCO	10	13,862
E580369662	1/18/2012	11:23:48 PM	VAS-13	EBL	TV	OCO	148	413,838
E093125695	1/18/2012	11:23:48 PM	VAS-13	EBL	TV	OPO	45	117,234
E444115915	1/18/2012	11:23:48 PM	VAS-13	EBL	TV	OPO	43	177,341
E373384711	1/18/2012	11:28:03 PM	RAI-11	ECC	TV	OCO	21	881
E854066186	1/18/2012	11:36:51 PM	LTA-17	ECA	TV	OCO	1,018	145,727
11032933	1/18/2012	11:37:00 PM	CAP-15	ECC	TV	OCO	65	266,695
E110470628	1/18/2012	11:37:55 PM	LTA-17	EBI	TV	OCO	44	180,932
E336328356	1/18/2012	11:41:24 PM	DGR-15	ECA	TV	OCO	1,112	4,529,843
E642799276	1/18/2012	11:45:08 PM	HIG-13	EBE	TV	OCO	9	3,959
E147499820	1/18/2012	11:48:38 PM	HOB-16	EBI	TV	OPO	1,734	7,667,240
E129671237	1/18/2012	11:51:32 PM	LAT-17	EBJ	TV	OSV	1	103
E767001436	1/18/2012	11:53:17 PM	GRV-16	ECA	TV	OCO	1,109	305,770
E157449167	1/18/2012	11:56:25 PM	ROC-17	ECC	TV	OPO	367	2,078,168
E668280403	1/18/2012	11:59:47 PM	ENU-17	EBI	TV	OPO	327	2,073,568
E329238240	1/19/2012	12:02:32 AM	TOL-16	EBD	TV	OCO	47	52,051
E825705877	1/19/2012	12:03:03 AM	OSC-22	EBI	TV	OPO	181	195,833
E789907984	1/19/2012	12:07:06 AM	CWD-23	EBD	TV	OCO	6	3,413
E748118101	1/19/2012	12:12:20 AM	EDG-16	ECA	TV	OTF	3	503
E198262998	1/19/2012	12:13:43 AM	TLN-0133	EBJ	TV	OCO	741	2,810,823
E865192766	1/19/2012	12:14:27 AM	TOL-15	EBD	TV	OCO	358	307,719
E684417763	1/19/2012	12:16:38 AM	SHA-15	ECA	TV	OCR	1,600	7,639,147
E251996443	1/19/2012	12:17:15 AM	EDG-12	ECA	TV	OFU	57	9,277
E961717386	1/19/2012	12:18:55 AM	SKY-25	EBD	TV	OCO	15	9,391
E135590743	1/19/2012	12:20:37 AM	HEM-13	ECA	TV	OCO	300	93,415
E377298315	1/19/2012	12:36:06 AM	RAI-11	ECC	TV	OCO	170	1,370,863
E146468200	1/19/2012	12:38:38 AM	WAY-15	EBD	TV	OCO	15	5,496
E058130384	1/19/2012	12:40:00 AM	AIR-26	ECC	TV	OCO	118	327,686
E989072517	1/19/2012	12:42:12 AM	WLK-13	ECA	TV	OCO	1,060	5,003,148
E838924280	1/19/2012	12:52:51 AM	PAT-16	ECC	TV	OCO	179	520,022
E425976626	1/19/2012	12:53:57 AM	RHO-13	ECA	TV	OCO	30	83,252
E224378582	1/19/2012	12:58:15 AM	BIG-15	EAC	EF	OFC	1	557
E811162694	1/19/2012	1:21:49 AM	FCR-12	EBI	TV	OCO	275	1,762,040

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E271824008	1/19/2012	1:23:46 AM	LAC-13	ECC	TV	OCO	133	792,046
E739982904	1/19/2012	1:26:21 AM	RHO-16	ECA	TV	OCO	1,933	202,288
E539361550	1/19/2012	1:30:11 AM	PIP-22	EBI	TV	OCO	448	3,969,898
E652575289	1/19/2012	1:30:53 AM	LMD-15	EBJ	TV	OCO	2,675	8,284,077
E332036836	1/19/2012	1:37:00 AM	LWS-15	EBJ	TV	OCO	460	782,920
E314271968	1/19/2012	1:38:23 AM	ROC-16	ECC	TV	OCO	5	55,908
E945315226	1/19/2012	1:46:34 AM	PRI-13	ECC	TV	OCO	1,299	3,822,221
E013963788	1/19/2012	2:07:03 AM	BAR-13	ECC	TV	OCO	1,488	4,011,574
11032932	1/19/2012	2:21:00 AM	SWI-15	ECC	TV	OCO	60	155,640
11030583	1/19/2012	2:24:00 AM	TLN-0018	ECC	TV	OCO	3,633	1,253,385
E916342866	1/19/2012	2:27:30 AM	PEA-17	EBJ	TV	OCO	1,543	192,104
E329486907	1/19/2012	2:30:00 AM	COT-13	EBD	TV	OCO	2,026	5,344,588
E085767421	1/19/2012	2:37:41 AM	GWR-13	EBI	TV	OCO	380	1,892,045
E028249840	1/19/2012	2:45:56 AM	ELD-27	ECC	TV	OCO	381	2,753,131
E331830286	1/19/2012	2:57:34 AM	KAP-15	ECA	TV	OCO	478	4,336,869
E103288247	1/19/2012	3:00:00 AM	WOO-23	ECA	TV	OCO	949	92,053
E556551022	1/19/2012	3:08:09 AM	YEL-25	ECC	TV	OCO	969	6,387,503
E117021130	1/19/2012	3:11:37 AM	OSC-23	EBI	TV	OCO	120	664,306
E495236252	1/19/2012	3:18:31 AM	SEQ-13	EBJ	TV	OHR	501	65,873
E873075461	1/19/2012	3:26:09 AM	KNT-37	EBJ	TV	OCO	727	3,747,084
E492525099	1/19/2012	3:28:02 AM	MKI-17	ECC	TV	OCO	596	1,517,992
E669543511	1/19/2012	3:34:56 AM	RHO-16	ECA	TV	OCO	10	27,741
E465469780	1/19/2012	3:37:12 AM	NHL-17	EBD	TV	OTR	58	349,322
E458000420	1/19/2012	3:40:07 AM	MVW-13	EBJ	TV	OCO	84	633,650
E767370121	1/19/2012	3:41:04 AM	MOT-14	ECC	TV	OCO	120	661,432
E742798732	1/19/2012	3:45:20 AM	HWD-22	EBD	TV	OCO	35	15,213
E036604639	1/19/2012	3:46:44 AM	CTR-21	EBJ	TV	OPO	1	5,173
E829209254	1/19/2012	3:47:53 AM	BLU-17	ECC	TV	OCO	100	961,212
E725313849	1/19/2012	3:50:20 AM	LTA-17	ECA	TV	OCR	560	2,108,213
E214826190	1/19/2012	3:54:19 AM	HOB-17	EBI	TV	OTR	419	2,071,961
E479770809	1/19/2012	3:58:50 AM	BLU-13	ECC	TV	OCO	500	2,078,083
E018303860	1/19/2012	4:02:29 AM	SEQ-22	EBI	TV	OCO	358	2,348,371
E873469710	1/19/2012	4:06:20 AM	WCA-17	EBJ	TV	OCO	801	2,684,847
E867509923	1/19/2012	4:17:35 AM	PAN-15	EBJ	TV	OCO	1,663	1,650,389
11031789	1/19/2012	4:22:00 AM	CUM-13	EBI	TV	OCO	342	781,128
E696639926	1/19/2012	4:22:50 AM	ROL-13	EBJ	TV	OCO	1,742	4,506,844
E238711130	1/19/2012	4:24:17 AM	LMD-16	EBJ	TV	OCO	695	1,809,413
E889231687	1/19/2012	4:26:49 AM	LAT-17	EBJ	TV	OCO	1,744	5,204,172
E150977013	1/19/2012	4:39:49 AM	LYO-12	EBJ	TV	OCO	479	1,116,158
E097416932	1/19/2012	4:46:27 AM	SEQ-16	EBJ	TV	OCO	2,118	9,878,483
E737848169	1/19/2012	4:49:32 AM	SOO-23	EBI	TV	DNO	457	3,048,403
E239294578	1/19/2012	4:50:31 AM	PIP-25	EBI	TV	OCO	1,142	584,970
E472602566	1/19/2012	4:54:40 AM	LMD-13	EBJ	TV	OCO	132	744,260
E911306339	1/19/2012	4:55:03 AM	MKI-17	ECC	TV	OCO	344	3,321,647
E377604556	1/19/2012	4:57:41 AM	PIP-26	EBI	TV	OCO	1,263	836,506
E540392138	1/19/2012	5:05:03 AM	MST-26	EBI	TV	OCO	1,088	827,946
E720036311	1/19/2012	5:05:10 AM	CHA-13	ECC	TV	OCO	200	1,076,967
E990266657	1/19/2012	5:07:48 AM	WAB-12	EBI	TV	OCO	232	760,910
E731101554	1/19/2012	5:10:01 AM	MST-23	EBI	TV	OCO	1,077	5,163,612

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E478446924	1/19/2012	5:10:02 AM	MST-26	EBJ	TV	OCO	59	437,483
E772651659	1/19/2012	5:11:31 AM	GLC-15	EBJ	TV	OCO	404	2,492,067
E245383614	1/19/2012	5:18:27 AM	LAC-13	ECC	TV	OPO	500	569,775
E590614104	1/19/2012	5:19:47 AM	TLN-0047	EBJ	TV	OCO	438	762,215
E502229936	1/19/2012	5:21:00 AM	CED-17	ECA	TV	OCO	752	1,342,288
E140138893	1/19/2012	5:29:04 AM	SEQ-17	EBJ	TV	OCO	427	2,690,499
E518485995	1/19/2012	5:30:00 AM	COT-16	EBD	TV	OCO	974	590,244
E794099284	1/19/2012	5:33:59 AM	LWS-16	EBI	TV	OCO	555	1,043,409
E043662154	1/19/2012	5:37:01 AM	PRI-23	ECC	TV	OCO	530	2,057,981
E890405373	1/19/2012	5:38:37 AM	WAB-13	EBI	TV	OCO	284	1,603,203
E890550265	1/19/2012	5:39:04 AM	SEQ-13	EBJ	TV	OCO	512	2,967,518
E662692550	1/19/2012	5:41:00 AM	TLN-0047	EBJ	TV	OCO	94	165,346
E037155721	1/19/2012	5:41:00 AM	ELL-14	EBJ	TV	OCO	1,287	2,392,533
E533520541	1/19/2012	5:41:00 AM	TLN-0047	EBI	TV	OCO	1,899	3,568,221
E075597330	1/19/2012	5:41:00 AM	TLN-0047	EBJ	TV	OCO	69	135,861
E604122785	1/19/2012	5:41:00 AM	TLN-0047	EBI	TV	OCO	565	1,123,220
E837735520	1/19/2012	5:41:43 AM	TLN-0047	EBI	TV	OCO	1,286	2,366,604
E245137423	1/19/2012	5:42:35 AM	TLN-0127	ECA	TV	OCO	10,711	16,232,392
E078613083	1/19/2012	5:45:45 AM	HOL-13	ECA	TV	OCO	1,197	4,497,097
E585167372	1/19/2012	5:46:35 AM	ROL-15	EBJ	TV	OCO	4,257	9,023,635
E287389360	1/19/2012	5:46:37 AM	PLG-13	ECC	TV	OCO	457	2,465,233
E936525371	1/19/2012	5:47:11 AM	MAP-13	EBF	TV	OCO	595	1,637,926
E288041559	1/19/2012	5:48:00 AM	BON-13	ECA	TV	OCO	1,245	1,116,765
E656249893	1/19/2012	5:48:00 AM	BON-17	ECA	TV	OCO	1,600	3,737,600
E598445238	1/19/2012	5:48:00 AM	BON-15	ECA	TV	OCO	1,189	2,778,693
E878505140	1/19/2012	5:48:00 AM	BON-16	ECA	TV	OCO	1,551	3,795,297
E373666418	1/19/2012	5:48:00 AM	KNO-13	ECA	TV	OCO	1,154	4,341,267
E945961968	1/19/2012	5:48:00 AM	KNO-11	ECA	TV	OCO	87	339,474
E539970007	1/19/2012	5:50:16 AM	WOO-23	ECA	TV	OCO	949	1,000,942
E189424901	1/19/2012	5:50:51 AM	BUC-15	ECA	TV	OCO	575	4,051,486
E923837588	1/19/2012	5:51:00 AM	TLN-0152	EBI	TV	OCO	212	555,016
E514584990	1/19/2012	5:51:58 AM	ORC-17	EBJ	TV	OCO	1,454	7,454,868
E661338089	1/19/2012	5:53:45 AM	SWI-17	ECC	TV	OCO	250	2,041,563
E875825781	1/19/2012	5:53:55 AM	GLC-14	EBJ	TV	OCO	306	1,768,610
E453715819	1/19/2012	5:54:12 AM	SEQ-22	EBJ	TV	OCO	532	3,415,446
E287665737	1/19/2012	5:54:51 AM	ORC-13	EBJ	TV	OCO	2,300	8,199,845
E278552712	1/19/2012	5:59:54 AM	HWD-25	EBD	TV	OCO	195	456,125
E496602113	1/19/2012	6:00:05 AM	KNT-23	EBJ	TV	OCO	157	1,224,587
E676996216	1/19/2012	6:01:13 AM	WOO-27	ECA	TV	OCO	1,859	4,184,206
E525690958	1/19/2012	6:01:31 AM	LEA-13	EBI	TV	OCO	2,093	9,505,064
E924284345	1/19/2012	6:04:45 AM	ROC-15	ECC	TV	OCO	35	92,129
E598237569	1/19/2012	6:05:25 AM	LWS-14	EBJ	TV	OCO	225	799,781
E087184141	1/19/2012	6:05:32 AM	ROL-16	EBJ	TV	OCO	2,010	4,039,028
11033252	1/19/2012	6:08:00 AM	PLG-17	ECC	TV	OCO	23	72,703
E984458206	1/19/2012	6:08:52 AM	KCR-17	EBJ	TV	OCO	2,726	16,360,479
E959407861	1/19/2012	6:09:24 AM	ORC-16	EBJ	TV	OFU	407	2,142,285
E399997508	1/19/2012	6:09:44 AM	STW-12	ECA	TV	OCO	11	51,074
E948582467	1/19/2012	6:09:51 AM	FCR-11	EBI	TV	OCO	1,682	319,832
E977327721	1/19/2012	6:10:06 AM	OSC-26	EBI	TV	OCO	2	16,240

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E189294475	1/19/2012	6:10:08 AM	LEA-17	EBI	TV	OCO	1,621	1,474,894
E803330097	1/19/2012	6:13:22 AM	OBY-16	ECC	TV	OCO	30	65,239
E175902747	1/19/2012	6:16:12 AM	ELD-25	ECC	TV	OCO	200	1,065,360
E036885703	1/19/2012	6:16:15 AM	FCH-24	ECA	TV	OCO	567	3,012,896
E112651189	1/19/2012	6:17:17 AM	AIR-22	ECC	TV	OCO	330	2,476,557
E574898009	1/19/2012	6:19:37 AM	MST-25	EBI	TV	OCO	537	2,840,321
E502505710	1/19/2012	6:19:42 AM	LAT-16	EBJ	TV	OCO	393	1,462,078
E566847729	1/19/2012	6:20:17 AM	GRV-15	ECA	TV	OCO	254	168,584
E681279512	1/19/2012	6:21:43 AM	AVO-17	EBD	TV	OCO	18	17,321
E882574775	1/19/2012	6:22:26 AM	BDI-13	EBJ	TV	OCO	64	289,508
E912114038	1/19/2012	6:23:00 AM	MCA-16	ECC	TV	OCO	1,850	5,202,200
E693951060	1/19/2012	6:23:32 AM	MAP-15	EBF	TV	OCO	938	547,292
E769519725	1/19/2012	6:23:50 AM	MAP-16	EBE	TV	OCO	50	9,308
E924596614	1/19/2012	6:24:36 AM	STA-16	EBJ	TV	OCO	1,856	7,939,678
E978946612	1/19/2012	6:26:59 AM	CED-13	ECA	TV	OCO	859	1,986,881
E853212540	1/19/2012	6:27:05 AM	LEA-17	EBJ	TV	OCO	224	661,453
E009210033	1/19/2012	6:28:17 AM	KNT-33	EBJ	TV	OCO	334	1,782,129
E239566990	1/19/2012	6:30:00 AM	STW-16	ECA	TV	OCO	1,867	3,890,828
E608857386	1/19/2012	6:30:00 AM	STW-15	ECA	TV	OCO	1,652	3,672,396
11031855	1/19/2012	6:30:00 AM	TLN-0037	ECA	TV	OCO	4,716	8,115,095
E579157771	1/19/2012	6:30:00 AM	CED-15	ECA	TV	OCO	1,636	3,779,160
E731691493	1/19/2012	6:30:00 AM	EDG-15	ECA	TV	OCO	994	3,587,346
E618454102	1/19/2012	6:30:00 AM	STW-13	ECA	TV	OCO	1,197	4,102,935
E204457100	1/19/2012	6:30:00 AM	EDG-16	ECA	TV	OCO	441	2,081,646
E100956146	1/19/2012	6:30:00 AM	EDG-12	ECA	TV	OCO	614	3,886,620
E028346225	1/19/2012	6:30:00 AM	EDG-16	ECA	TV	OCO	629	3,114,278
E285831651	1/19/2012	6:30:00 AM	CED-16	ECA	EF	UPC	6	53,124
E185203962	1/19/2012	6:30:03 AM	MAP-13	EBE	TV	OCO	31	84,008
E426702543	1/19/2012	6:30:06 AM	EVA-27	EBJ	TV	OCO	976	4,298,254
E060649930	1/19/2012	6:31:26 AM	SEQ-13	EBI	TV	OCO	44	21,937
E535897887	1/19/2012	6:31:44 AM	KAP-16	ECA	TV	OCO	611	2,224,814
E752997735	1/19/2012	6:33:33 AM	WLK-15	ECA	TV	OCO	126	458,823
E060765131	1/19/2012	6:34:02 AM	MWD-16	EBE	TV	OSV	23	76,152
E002104630	1/19/2012	6:35:05 AM	TLN-0047	EBJ	TV	OCO	406	504,218
E366632509	1/19/2012	6:35:21 AM	PRE-14	EBE	TV	OCO	223	152,677
E519957521	1/19/2012	6:35:36 AM	SOO-23	EBJ	TV	OCO	892	5,673,545
E276634519	1/19/2012	6:36:41 AM	ING-13	EBD	TV	OTF	9	29,370
E152810972	1/19/2012	6:38:14 AM	LTA-18	ECA	TV	OCR	1,396	5,074,134
E188655489	1/19/2012	6:40:00 AM	LTA-17	ECA	TV	OCO	560	2,013,200
E506571963	1/19/2012	6:41:37 AM	MAN-15	ECD	TV	OCO	25	2,835
E818948094	1/19/2012	6:41:55 AM	PAT-17	ECC	TV	OCO	1,595	5,244,493
11030609	1/19/2012	6:42:00 AM	TLN-0224	ECC	TV	OCO	12,002	39,047,303
E642954279	1/19/2012	6:42:00 AM	YEL-26	ECC	TV	OTR	605	3,962,750
E477462956	1/19/2012	6:42:00 AM	LON-22	ECC	TV	OCO	245	2,312,310
E619184576	1/19/2012	6:42:00 AM	YEL-27	ECC	TV	OPO	15	142,470
E671107949	1/19/2012	6:42:56 AM	LLT-16	EBD	TV	OCO	33	131,078
11031461	1/19/2012	6:44:00 AM	TLN-0035	ECA	TV	OCO	1,930	23,160
E347882957	1/19/2012	6:44:00 AM	BUC-25	ECA	TV	OCO	125	110,250
E032232950	1/19/2012	6:44:00 AM	BUC-26	ECA	TV	OCO	1,109	3,610,904

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E698231069	1/19/2012	6:44:59 AM	KCR-16	EBJ	TV	OCO	1,444	1,883,000
E803204509	1/19/2012	6:45:25 AM	SOO-25	EBI	TV	OCO	934	4,769,231
E991658530	1/19/2012	6:45:56 AM	HEM-13	ECA	TV	OCO	2,157	7,821,426
E902812044	1/19/2012	6:46:00 AM	FRG-24	ECC	TV	OCO	925	358,190
E959926746	1/19/2012	6:48:35 AM	ASB-13	EBJ	TV	OCO	1,720	5,257,751
E723641271	1/19/2012	6:51:00 AM	CAM-17	EBJ	TV	OCO	622	144,926
E713125827	1/19/2012	6:51:12 AM	CAM-23	EBJ	TV	OCO	971	3,139,550
E216619076	1/19/2012	6:51:45 AM	BDI-15	EBI	TV	OTR	781	3,666,537
E585528494	1/19/2012	6:52:00 AM	TLN-0173	EBJ	TV	OCO	1,246	3,190,448
E674337407	1/19/2012	6:53:13 AM	LEA-16	EBJ	TV	OCO	818	2,361,389
E174620469	1/19/2012	6:54:15 AM	PEA-15	EBJ	TV	OCO	1,342	6,023,837
E404373292	1/19/2012	6:54:18 AM	FCR-11	EBJ	TV	OCO	36	220,525
E905386981	1/19/2012	6:55:12 AM	ENU-16	EBI	TV	OCO	141	76,817
E771977093	1/19/2012	6:55:58 AM	BUC-25	ECA	TV	OCO	244	1,289,304
11033892	1/19/2012	6:56:00 AM	LAC-13	ECC	TV	OCO	2,683	1,191,252
E701394736	1/19/2012	6:58:55 AM	HEM-16	ECA	TV	OCO	1,393	4,900,690
11031790	1/19/2012	6:59:00 AM	TLN-0218	EBI	TV	OCO	255	483,735
E974020200	1/19/2012	6:59:24 AM	HAR-22	EBJ	TV	OCN	158	889,865
E865638381	1/19/2012	6:59:51 AM	OBY-17	ECC	TV	OCO	250	592,538
E093536654	1/19/2012	6:59:55 AM	GRA-25	EBJ	TV	OCO	50	396,004
E271087161	1/19/2012	7:00:02 AM	MST-23	EBJ	TV	OCO	31	193,625
E916232113	1/19/2012	7:00:27 AM	VAS-13	EBL	TV	OCO	882	1,618,073
E399266070	1/19/2012	7:00:50 AM	VAS-22	EBL	TV	OCO	56	30,624
E209935958	1/19/2012	7:01:00 AM	PLG-17	ECC	TV	OCO	1,132	2,172,308
E013354161	1/19/2012	7:01:03 AM	LUH-17	ECC	TV	OPO	25	164,824
E444121955	1/19/2012	7:01:06 AM	CTR-22	EBJ	TV	OCO	100	796,840
E682602332	1/19/2012	7:01:21 AM	GRV-13	ECA	TV	OCO	660	1,668,249
E915778121	1/19/2012	7:02:32 AM	FCR-13	EBI	TV	OCO	118	644,866
E032584855	1/19/2012	7:02:59 AM	OSC-25	EBI	TV	OCO	1,027	2,638,571
E627786797	1/19/2012	7:03:14 AM	FRG-23	ECC	TV	OCO	139	128,265
E531640943	1/19/2012	7:04:53 AM	VAS-23	EBL	TV	OCO	418	358,693
E447309739	1/19/2012	7:05:02 AM	TAN-13	ECC	TV	OCO	300	1,600,790
E172551705	1/19/2012	7:06:20 AM	SWI-16	ECC	TV	OCO	2,678	6,158,507
E862034273	1/19/2012	7:07:15 AM	FRU-22	ECA	TV	OCO	76	268,489
E414737915	1/19/2012	7:07:46 AM	MTH-16	EBI	TV	OCO	558	1,167,466
E045742242	1/19/2012	7:08:06 AM	CUM-15	EBJ	TV	OCO	3	5,826
E262468082	1/19/2012	7:10:40 AM	NNO-12	EBJ	TV	OCO	835	653,248
E855633032	1/19/2012	7:11:15 AM	MTH-16	EBJ	TV	OCO	121	252,739
E465803043	1/19/2012	7:14:21 AM	KNT-27	EBJ	TV	OCO	12	84,548
E368173765	1/19/2012	7:15:00 AM	TLN-0180	ECA	TV	OCO	1,908	3,758,760
E409027525	1/19/2012	7:15:19 AM	LLT-17	EBD	TV	OCO	52	308,084
E499499788	1/19/2012	7:16:05 AM	LAT-15	EBJ	TV	OCO	1,043	3,800,605
E133701661	1/19/2012	7:16:34 AM	CAM-25	EBJ	TV	OCO	861	4,488,766
E936235555	1/19/2012	7:18:19 AM	RDO-16	EBJ	TV	OCO	110	524,335
E326404533	1/19/2012	7:18:23 AM	LEA-15	EBI	TV	OFU	182	58,534
E050119984	1/19/2012	7:18:53 AM	LAC-15	ECC	TV	OCO	270	1,379,732
11031314	1/19/2012	7:19:00 AM	TLN-0041	ECA	TV	OCO	1,442	5,191,872
E023321108	1/19/2012	7:19:14 AM	NNO-13	EBJ	TV	OCO	467	154,468
E905165079	1/19/2012	7:19:32 AM	GRA-16	EBE	TV	OFC	18	35,738

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E577390878	1/19/2012	7:19:50 AM	SUN-11	ECA	TV	OCO	2,572	5,054,409
E957226572	1/19/2012	7:20:07 AM	FRG-25	ECC	TV	OCO	69	10,687
E626702552	1/19/2012	7:20:51 AM	SUN-14	ECA	TV	OCO	541	1,062,605
E418699019	1/19/2012	7:22:56 AM	LLT-15	EBD	TV	OCO	9	48,286
E746035594	1/19/2012	7:22:59 AM	TLN-0127	ECA	TV	OCO	1,599	3,948,855
E058359686	1/19/2012	7:23:09 AM	MVW-17	EBJ	TV	OCO	324	2,092,019
E235840058	1/19/2012	7:23:42 AM	JHO-15	ECC	TV	OCO	84	204,733
E733642529	1/19/2012	7:24:08 AM	SUN-12	ECA	TV	OCO	582	1,839,624
E080628319	1/19/2012	7:26:59 AM	GRV-12	ECA	TV	OCO	264	309,412
E257833481	1/19/2012	7:27:50 AM	ROC-27	ECC	TV	OPO	130	1,167,682
E045151645	1/19/2012	7:28:14 AM	LAT-14	EBJ	TV	OCO	331	1,212,045
E478353809	1/19/2012	7:29:10 AM	BAR-15	ECC	TV	OCO	327	747,468
E486982209	1/19/2012	7:29:19 AM	DGR-16	ECA	TV	OCO	115	513,009
E403975324	1/19/2012	7:30:29 AM	SWI-13	ECC	TV	OCO	466	2,368,453
E655203585	1/19/2012	7:31:09 AM	PIP-26	EBJ	TV	OCO	137	1,182,152
E795478948	1/19/2012	7:32:13 AM	MUR-13	ECE	TV	OCO	46	8,920
E939668891	1/19/2012	7:33:37 AM	RDO-13	EBJ	TV	OPO	513	2,386,160
E979054390	1/19/2012	7:34:06 AM	AVO-15	EBD	TV	OSV	46	109,797
E358402908	1/19/2012	7:34:16 AM	LMC-27	EBJ	TV	OCO	7	32,100
E574548007	1/19/2012	7:34:50 AM	ELD-23	ECC	TV	OCR	20	160,263
E545708843	1/19/2012	7:34:58 AM	TOT-23	EBD	TV	OCO	3	789
E243406829	1/19/2012	7:37:16 AM	CLA-13	EBI	TV	OCO	8	46,902
E876129726	1/19/2012	7:38:23 AM	FWY-15	EBJ	TV	OCO	837	1,292,007
E419157241	1/19/2012	7:39:00 AM	TLN-0205	EBD	TV	OCO	2,460	9,510,360
E596461238	1/19/2012	7:39:23 AM	HOB-16	EBJ	TV	OCO	14	105,289
E936642263	1/19/2012	7:40:00 AM	TLN-0223	EBF	TV	OCO	4,410	8,087,940
E350175844	1/19/2012	7:40:00 AM	TLN-0048	EBF	TV	OPO	5,752	19,567,520
E077132800	1/19/2012	7:41:53 AM	LUH-14	ECC	TV	OCO	600	3,945,670
E718197829	1/19/2012	7:44:46 AM	SOO-26	EBJ	TV	OCO	252	1,604,279
E806489128	1/19/2012	7:45:15 AM	UHL-25	EBD	EF	OCO	367	290,783
E457342831	1/19/2012	7:46:00 AM	TLN-0245	EBD	TV	OCO	7,637	5,712,476
E988985338	1/19/2012	7:46:00 AM	TLN-0245	EBD	TV	OCO	4,074	4,049,556
E121106936	1/19/2012	7:46:34 AM	TLN-0116	EBF	TV	OCO	4,431	13,746,882
E686108603	1/19/2012	7:48:01 AM	CAM-26	EBJ	TV	OCO	1,030	1,086,633
E550049075	1/19/2012	7:49:39 AM	LWS-13	EBI	TV	OCO	115	573,315
E027246151	1/19/2012	7:50:42 AM	SNQ-16	EBF	TV	OCO	548	1,920,356
E025632646	1/19/2012	7:50:55 AM	DES-15	EBJ	TV	OCO	48	289,876
E609063662	1/19/2012	7:52:01 AM	MVW-15	EBJ	TV	OCO	87	102,572
E152633370	1/19/2012	7:53:47 AM	FCR-14	EBI	TV	OCO	653	2,876,499
E973535108	1/19/2012	7:56:10 AM	CTR-24	EBI	TV	OFU	61	320,514
E236224655	1/19/2012	7:57:10 AM	AIR-22	ECC	TV	OCO	50	405,142
E189326108	1/19/2012	7:59:55 AM	ROL-17	EBJ	TV	OCO	176	1,203,855
E929314285	1/19/2012	8:00:55 AM	PIP-23	EBI	TV	OCO	976	3,063,745
E885173579	1/19/2012	8:02:00 AM	LOL-23	ECD	TV	OCO	1,488	160,704
E201678062	1/19/2012	8:02:44 AM	SNQ-15	EBD	TV	OCO	3	10,825
E165258711	1/19/2012	8:05:08 AM	KLA-15	EBF	TV	OCO	53	59,883
E104104671	1/19/2012	8:06:34 AM	MTH-17	EBJ	TV	OCO	230	1,478,990
E507195702	1/19/2012	8:07:30 AM	17-Dec	ECC	TV	OCO	35	167,038
E243363340	1/19/2012	8:10:45 AM	MHT-15	EBJ	TV	OTR	854	2,597,326

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
11030796	1/19/2012	8:11:00 AM	TLN-0147	ECC	TV	OCO	3,208	2,303,344
E255622047	1/19/2012	8:11:10 AM	ANA-15	EAC	BA	UTC	19	1,213
E545545729	1/19/2012	8:12:03 AM	CHA-16	ECC	TV	OCO	500	3,002,475
E578166285	1/19/2012	8:13:19 AM	MST-27	EBC	TV	OCO	472	2,006,649
E362766982	1/19/2012	8:13:55 AM	BAR-16	ECC	TV	OCO	95	226,488
E150640203	1/19/2012	8:14:24 AM	PLU-25	ECC	TV	OCO	200	488,120
E037170098	1/19/2012	8:14:49 AM	CHA-12	ECC	TV	OCO	657	2,887,635
E197122921	1/19/2012	8:16:00 AM	TLN-0152	EBF	TV	OCO	2,555	6,625,115
E442869707	1/19/2012	8:18:01 AM	MKI-14	ECC	TV	OPO	860	1,403,506
E722210254	1/19/2012	8:19:00 AM	TLN-0223	EBF	TV	OCO	4,737	9,099,777
E323492529	1/19/2012	8:20:24 AM	TLN-0174	EBF	TV	OCO	5,519	4,170,156
E329089553	1/19/2012	8:20:52 AM	WOL-25	ECC	TV	OCO	50	170,457
E147497842	1/19/2012	8:21:38 AM	SHD-16	EBC	TV	OSW	359	2,441,049
11031298	1/19/2012	8:22:00 AM	MVW-13	EBJ	TV	OCO	2,117	2,980,736
E311186412	1/19/2012	8:22:50 AM	NNO-15	EBJ	TV	OCO	1,529	377,918
E614279946	1/19/2012	8:23:21 AM	SWE-27	EBJ	TV	OCO	906	1,147,585
E731406986	1/19/2012	8:23:30 AM	MHT-13	EBJ	TV	OCO	1,419	4,377,389
E811305561	1/19/2012	8:23:40 AM	LMD-12	EBJ	TV	OCO	1,053	806,949
E679192396	1/19/2012	8:24:07 AM	LAT-13	EBJ	TV	OCO	1,069	1,820,784
E540069647	1/19/2012	8:24:52 AM	GLC-11	EBJ	TV	OCO	130	979,567
E824650171	1/19/2012	8:27:02 AM	CAP-13	ECC	TV	OPO	65	336,763
E565396388	1/19/2012	8:27:32 AM	ASB-17	EBJ	TV	OCO	608	1,664,380
E067546151	1/19/2012	8:28:00 AM	TLN-0245	EBD	TV	OCO	5,583	4,818,129
E979745799	1/19/2012	8:28:34 AM	SHA-13	ECA	TV	OTR	148	878,592
E622360482	1/19/2012	8:31:11 AM	PAN-14	EBJ	TV	OCO	1,340	775,614
E735744404	1/19/2012	8:33:23 AM	PAN-12	EBJ	TV	OCO	455	705,986
E240993912	1/19/2012	8:34:00 AM	TLN-0045	EBF	TV	OCO	2,928	15,187,250
E034959988	1/19/2012	8:35:49 AM	LEA-15	EBJ	TV	OCO	110	811,160
E185060362	1/19/2012	8:38:40 AM	PAN-13	EBJ	TV	OCO	1,034	1,598,909
E799402713	1/19/2012	8:40:14 AM	KCR-16	EBJ	TV	OCO	570	2,087,804
E933482529	1/19/2012	8:41:26 AM	MVW-16	EBJ	TV	OCO	169	756,878
E383411619	1/19/2012	8:42:25 AM	MST-27	EBJ	TV	OCO	76	323,044
E654219773	1/19/2012	8:43:38 AM	FWD-16	EBE	TV	OSV	160	258,619
E251395200	1/19/2012	8:44:36 AM	BAR-17	ECC	TV	OCO	913	2,068,310
E901897578	1/19/2012	8:46:30 AM	CAM-24	EBJ	TV	OCO	913	4,059,628
11033863	1/19/2012	8:51:00 AM	13-Dec	ECC	TV	OCO	241	110,619
11031186	1/19/2012	8:53:00 AM	TLN-0131	ECC	TV	OCO	5,223	14,183,501
E492975207	1/19/2012	8:53:51 AM	ANA-16	EAC	EF	USE	15	5,135
E271515883	1/19/2012	8:54:40 AM	13-Dec	ECC	TV	OPO	303	2,345,321
E690256936	1/19/2012	8:56:23 AM	RDO-15	EBJ	TV	OCO	1,675	2,892,083
E423735005	1/19/2012	9:01:33 AM	SWI-21	ECC	TV	OCO	98	55,708
E489128321	1/19/2012	9:03:49 AM	HOL-12	ECA	TV	OCO	837	3,035,281
E456447157	1/19/2012	9:04:19 AM	OVE-15	EBE	TV	OCO	5	953
E244804866	1/19/2012	9:05:31 AM	SMR-23	ECA	TV	OCO	2,378	1,639,591
E478000652	1/19/2012	9:06:23 AM	TLN-0173	EBJ	TV	OCO	1,598	2,519,433
E910843989	1/19/2012	9:10:22 AM	SHD-18	EBC	TV	OCO	176	857,935
E900873246	1/19/2012	9:10:44 AM	KCR-15	EBJ	TV	OCO	68	326,620
E029804925	1/19/2012	9:12:04 AM	GLC-13	EBJ	TV	OCO	621	2,336,647
E838006477	1/19/2012	9:12:38 AM	DES-12	EBJ	TV	OCO	343	1,580,159

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E098372606	1/19/2012	9:18:45 AM	FRA-13	ECD	TV	OCO	6	878
E637821652	1/19/2012	9:19:43 AM	CTR-25	EBI	TV	OCO	101	102,645
E746544847	1/19/2012	9:21:00 AM	TLN-0173	EBJ	TV	OCO	1,562	2,439,844
E202045605	1/19/2012	9:21:00 AM	TLN-0173	EBJ	TV	OCO	2,180	3,433,500
E876818600	1/19/2012	9:21:00 AM	LYO-15	EBJ	TV	OCO	137	484,158
E559554645	1/19/2012	9:21:00 AM	LYO-15	EBJ	TV	OCO	271	1,959,984
E628081516	1/19/2012	9:23:16 AM	FRG-22	ECC	TV	OCO	709	3,649,743
E077425006	1/19/2012	9:23:33 AM	WCA-16	EBJ	TV	OCO	1,236	2,269,852
E374378295	1/19/2012	9:25:26 AM	EGT-11	EBE	TV	OCO	6	12,993
E933967363	1/19/2012	9:27:35 AM	LLT-13	EBD	TV	OCO	17	61,529
E076299836	1/19/2012	9:31:26 AM	LWS-15	EBI	TV	OCO	5	28,503
E539017159	1/19/2012	9:32:18 AM	BDI-13	EBI	TV	OCO	131	755,569
E405079026	1/19/2012	9:33:44 AM	MTH-17	EBI	TV	OSW	203	1,832,332
E514295428	1/19/2012	9:35:50 AM	HOL-15	ECA	TV	OCO	935	4,159,036
E666983495	1/19/2012	9:36:00 AM	KNT-26	EBJ	TV	OCO	10	70,240
E565895220	1/19/2012	9:36:30 AM	HWD-26	EBD	TV	OTR	5	14,893
E248729209	1/19/2012	9:39:17 AM	TAN-15	ECC	TV	OCO	661	2,226,061
E878420647	1/19/2012	9:39:33 AM	VAS-23	EBL	TV	OCO	350	491,908
E561133701	1/19/2012	9:41:21 AM	HEM-15	ECA	TV	OCO	1,590	5,488,124
E935139323	1/19/2012	9:44:04 AM	LGY-15	EAD	TV	OCO	1	547
11033862	1/19/2012	9:46:00 AM	BLU-17	ECC	TV	OCO	1,303	4,728,587
E338598600	1/19/2012	9:55:33 AM	SPA-17	ECA	TV	OCO	13	18,388
E166714442	1/19/2012	9:56:39 AM	LMD-15	EBJ	TV	OFC	10	72,634
E690451682	1/19/2012	9:57:25 AM	STA-13	EBJ	TV	OCO	658	3,068,540
E490898368	1/19/2012	9:58:06 AM	STA-26	EBJ	TV	OCO	1,185	3,452,568
E525406536	1/19/2012	9:59:34 AM	PAN-16	EBJ	TV	OCO	440	2,757,191
11033864	1/19/2012	10:01:00 AM	17-Dec	ECC	TV	OCO	960	1,616,640
11033451	1/19/2012	10:01:00 AM	MKI-17	ECC	TV	OCO	1,055	2,182,795
E011560294	1/19/2012	10:01:15 AM	STA-17	EBJ	TV	OCO	2,327	4,371,851
11033253	1/19/2012	10:06:00 AM	GAR-16	ECA	TV	OCO	676	2,270,684
E563248282	1/19/2012	10:07:49 AM	PRI-24	ECC	TV	OCR	215	749,744
E228345544	1/19/2012	10:08:47 AM	ROS-15	EBD	TV	OCO	137	235,533
E051331928	1/19/2012	10:10:00 AM	AIR-25	ECC	TV	OCO	62	138,570
E266815473	1/19/2012	10:10:00 AM	PRI-13	ECC	TV	OCO	1,074	3,632,760
11031252	1/19/2012	10:10:00 AM	TLN-0134	ECC	TV	OCO	1,994	9,395,970
E536768617	1/19/2012	10:11:47 AM	HEM-17	ECA	TV	OSW	1,725	5,737,724
E687270203	1/19/2012	10:14:48 AM	HAW-12	ECC	TV	OPO	600	1,333,320
E480059922	1/19/2012	10:14:57 AM	BRS-13	EAC	EF	OCN	1	155
E681606108	1/19/2012	10:15:35 AM	TAN-16	ECC	TV	OCO	256	606,571
E258205438	1/19/2012	10:16:56 AM	MIL-22	ECE	TV	OTF	1	343
E188675914	1/19/2012	10:18:59 AM	EVA-23	EBJ	TV	OCO	54	299,845
11033896	1/19/2012	10:21:00 AM	OBY-17	ECC	TV	OCO	1,251	2,244,294
E052345459	1/19/2012	10:22:09 AM	JHO-13	ECC	TV	OCR	43	97,088
E179594104	1/19/2012	10:23:38 AM	JHO-12	ECC	TV	OCO	305	687,887
E683493422	1/19/2012	10:23:57 AM	PRI-22	ECC	TV	OCO	454	1,473,707
E656573956	1/19/2012	10:24:13 AM	FRG-25	ECC	TV	OCO	625	1,993,615
E352541044	1/19/2012	10:27:50 AM	STA-23	EBJ	TV	OSW	1,440	3,356,556
E594218089	1/19/2012	10:31:24 AM	ENU-18	EBI	TV	OFU	157	51,590
E411587244	1/19/2012	10:36:36 AM	THU-16	ECC	TV	OCO	391	1,261,131

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E139341025	1/19/2012	10:39:59 AM	WAY-15	EBD	TV	OCO	248	199,644
11031254	1/19/2012	10:41:00 AM	TLN-0153	ECC	TV	OCO	3,542	6,587,508
E301288238	1/19/2012	10:41:00 AM	LUH-15	ECC	TV	OCR	319	2,283,721
E575152357	1/19/2012	10:41:07 AM	MKI-15	ECC	TV	OCO	271	2,059,297
E328094036	1/19/2012	10:42:30 AM	SWE-25	EBJ	TV	OCO	86	493,855
11033357	1/19/2012	10:46:00 AM	FRG-25	ECC	TV	OCO	730	123,370
E431551743	1/19/2012	10:46:11 AM	MWD-13	EBE	TV	OCO	1,297	1,746,821
E708264707	1/19/2012	10:46:46 AM	GRI-16	ECC	TV	OJU	6	34,999
E622572962	1/19/2012	10:49:54 AM	BAS-13	EBJ	TV	OPO	1,777	3,342,715
E044035925	1/19/2012	10:51:00 AM	SAH-16	EBD	TV	OCO	1,554	1,297,590
E608300508	1/19/2012	10:51:40 AM	SME-15	EBE	TV	OCO	27	1,386
E160336831	1/19/2012	10:52:52 AM	SHA-16	ECA	TV	OCO	122	344,910
E289953652	1/19/2012	10:54:27 AM	ELD-25	ECC	TV	OPO	289	2,593,934
E137598601	1/19/2012	10:55:41 AM	FCR-11	EBI	TV	OCO	1,682	2,917,121
E294392379	1/19/2012	10:56:00 AM	SWI-15	ECC	TV	OCO	2,616	5,438,664
E613887498	1/19/2012	10:56:00 AM	SWI-15	ECC	TV	UTR	86	766,604
E336258118	1/19/2012	11:00:08 AM	TIL-22	ECA	TV	OCR	400	733,547
E289282614	1/19/2012	11:00:17 AM	MOT-15	ECC	TV	OCR	43	270,845
E486573130	1/19/2012	11:03:54 AM	HAW-11	ECC	TV	OCO	167	359,902
E319967538	1/19/2012	11:04:00 AM	NNO-16	EBJ	TV	OCO	47	4,982
11033411	1/19/2012	11:06:00 AM	HAW-12	ECC	TV	OCO	1,327	2,294,383
11033909	1/19/2012	11:06:00 AM	WOL-23	ECC	TV	OCO	2,253	3,895,437
E096659590	1/19/2012	11:07:41 AM	SHD-15	EBI	TV	OCO	860	3,168,222
E760216916	1/19/2012	11:15:25 AM	SOU-23	EBJ	TV	OSV	73	450,560
11033867	1/19/2012	11:21:00 AM	FRG-24	ECC	TV	OCO	865	55,360
E904695461	1/19/2012	11:24:00 AM	PEA-17	EBJ	TV	OCO	1,263	5,140,776
E827268703	1/19/2012	11:31:00 AM	TLN-0042	EBI	TV	OCO	605	1,714,570
E201142214	1/19/2012	11:33:00 AM	TLN-0094	EBJ	TV	OCO	17,068	9,848,236
11033714	1/19/2012	11:34:00 AM	TLN-0146	EBI	TV	OTR	30	5,250
11031417	1/19/2012	11:35:00 AM	TLN-0035	ECA	TV	OCO	399	80,598
E395622096	1/19/2012	11:39:48 AM	PLG-15	ECC	TV	OCR	300	1,554,060
11033456	1/19/2012	11:40:00 AM	PLG-16	ECC	TV	OCO	459	293,760
11033439	1/19/2012	11:40:00 AM	PLG-13	ECC	TV	OCO	662	993,000
E619918202	1/19/2012	11:53:00 AM	TLN-0277	ECA	TV	OCO	557	1,019,867
11033994	1/19/2012	11:56:00 AM	SPA-17	ECA	TV	OCO	1,036	1,340,584
E725212516	1/19/2012	12:00:00 PM	TLN-0040	ECA	TV	OCO	54	27,810
E365627467	1/19/2012	12:00:00 PM	SMR-24	ECA	TV	OCO	893	1,745,815
E032065469	1/19/2012	12:00:00 PM	SMR-26	ECA	TV	OPO	590	1,374,700
11033454	1/19/2012	12:01:00 PM	MKI-14	ECC	TV	OCO	1,097	1,545,673
E813362542	1/19/2012	12:01:00 PM	SPA-16	ECA	TV	OCO	1,981	3,440,997
E358005962	1/19/2012	12:02:00 PM	TLN-0158	EBI	TV	OCO	1,050	249,900
E765782057	1/19/2012	12:02:00 PM	TLN-0158	EBI	TV	OFU	2,009	495,369
11031462	1/19/2012	12:03:00 PM	TLN-0035	ECA	TV	OCO	1,686	291,678
E288790003	1/19/2012	12:05:47 PM	GWR-16	EBI	TV	OCO	299	1,307,336
E753605666	1/19/2012	12:09:10 PM	TIL-23	ECA	TV	OCO	710	1,185,582
E127407653	1/19/2012	12:21:00 PM	PLU-24	ECC	TV	OTR	284	503,252
E609337967	1/19/2012	12:32:48 PM	MOT-17	ECC	TV	OFC	390	824,538
E962075936	1/19/2012	12:52:33 PM	KNT-25	EBJ	TV	OCO	394	2,653,401
E064185727	1/19/2012	12:56:34 PM	SWE-23	EBJ	TV	OTR	196	800,353

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E976310675	1/19/2012	12:58:51 PM	TIL-25	ECA	TV	OCR	37	51,769
E338891253	1/19/2012	12:59:12 PM	EDG-12	ECA	TV	OCO	11	78,329
E729729792	1/19/2012	12:59:42 PM	FRU-26	ECA	TV	OCO	1,050	3,313,890
E182581662	1/19/2012	12:59:46 PM	FWY-12	EBJ	TV	OCO	152	1,313,315
E131720655	1/19/2012	1:00:00 PM	SME-12	EBE	TV	OCO	1,031	1,467,681
E541647148	1/19/2012	1:01:19 PM	KEA-15	ECF	TV	OTF	5	518
E272907707	1/19/2012	1:03:24 PM	FLC-14	EBJ	TV	UTC	2	14,273
E055085804	1/19/2012	1:06:33 PM	CRE-12	EAD	EF	OFC	12	521
E891264079	1/19/2012	1:06:43 PM	FNW-15	ECD	TV	OTF	8	1,066
E980900015	1/19/2012	1:14:44 PM	FNW-13	ECD	TV	OJU	20	3,313
11033869	1/19/2012	1:16:00 PM	JHO-12	ECC	TV	OCO	802	89,824
E276746999	1/19/2012	1:16:00 PM	FRU-25	ECA	TV	OCO	1,442	2,972,988
E054127811	1/19/2012	1:19:56 PM	ASB-16	EBJ	TV	OCO	75	230,255
11033993	1/19/2012	1:21:00 PM	SHA-16	ECA	TV	OCO	54	93,096
E933646798	1/19/2012	1:30:00 PM	CAP-15	ECC	TV	OCO	651	2,128,770
E645658793	1/19/2012	1:34:18 PM	MLK-16	EBE	TV	OCO	13	16,220
E925539895	1/19/2012	1:37:12 PM	LEA-15	EBI	TV	OCO	985	4,977,458
E359176513	1/19/2012	1:41:00 PM	DGR-13	ECA	TV	OCO	1,033	1,481,322
11033679	1/19/2012	1:44:00 PM	TLN-0042	EBI	TV	OCO	3,384	959,350
11028807	1/19/2012	1:46:00 PM	VAS-23	EBL	TV	OCO	1,600	649,600
11033895	1/19/2012	1:46:00 PM	OBY-16	ECC	TV	OCO	2,170	3,448,130
E214774070	1/19/2012	2:02:00 PM	TLN-0047	EBJ	TV	OCO	810	650,430
E332916820	1/19/2012	2:02:00 PM	TLN-0047	EBJ	TV	OCO	47	38,446
E818080956	1/19/2012	2:02:00 PM	TLN-0047	EBJ	TV	OCO	156	215,592
E092807503	1/19/2012	2:05:44 PM	LWS-16	EBI	TV	OCO	492	2,156,243
11033902	1/19/2012	2:06:00 PM	TAN-13	ECC	TV	OCO	1,796	2,530,564
E113291222	1/19/2012	2:13:57 PM	ZEN-24	EBJ	TV	OCO	831	3,287,478
E746944488	1/19/2012	2:15:54 PM	FWY-11	EBJ	TV	OCO	172	806,485
E232229062	1/19/2012	2:22:27 PM	TLN-0047	EBJ	TV	OCO	229	159,739
E866110372	1/19/2012	2:22:29 PM	FRA-12	ECD	TV	OCO	35	16,995
E513048402	1/19/2012	2:27:48 PM	PMA-12	ECE	TV	OFU	20	3,284
E792267591	1/19/2012	2:30:00 PM	SOO-25	EBJ	TV	OCO	178	427,200
E602941716	1/19/2012	2:44:01 PM	CAS-16	EBH	TV	OCO	650	438,739
E676472656	1/19/2012	2:45:00 PM	SOO-25	EBJ	TV	OCO	178	424,530
E696502112	1/19/2012	2:46:01 PM	GAR-15	ECA	TV	OCO	44	5,455
E640683223	1/19/2012	2:47:07 PM	BOW-25	EBJ	TV	OSV	1	2,653
E144479382	1/19/2012	3:02:36 PM	MER-15	EBE	TV	OCO	7	18,042
E831506814	1/19/2012	3:08:23 PM	ELL-12	EBJ	TV	OCO	4	29,346
E448925684	1/19/2012	3:09:22 PM	VAS-12	EBL	TV	OFC	80	229,091
E579233128	1/19/2012	3:11:00 PM	MOT-16	ECC	TV	OCO	126	512,064
E879549217	1/19/2012	3:11:00 PM	MOT-16	ECC	TV	OCO	123	593,229
E558003374	1/19/2012	3:21:13 PM	HOB-15	EBJ	TV	OCO	1	3,329
E861358863	1/19/2012	3:29:01 PM	BEL-16	EBJ	TV	OFU	72	55,871
E109724210	1/19/2012	3:34:05 PM	SWE-13	EBJ	TV	OFU	53	265,334
11033254	1/19/2012	3:36:00 PM	SHA-15	ECA	TV	OCO	924	1,523,676
E871609236	1/19/2012	3:47:03 PM	CPV-15	EAD	EF	OCO	3	1,322
E373114993	1/19/2012	3:48:00 PM	TLN-0174	EBD	TV	OCO	5,562	116,802
11031344	1/19/2012	3:58:00 PM	TLN-0181	ECA	TV	OCO	996	1,561,942
E654649441	1/19/2012	3:58:00 PM	GRV-16	ECA	TV	OCO	1,109	2,138,152

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E845388660	1/19/2012	3:58:00 PM	GRV-15	ECA	TV	OCO	460	2,889,548
11031358	1/19/2012	3:59:00 PM	TLN-0235	ECA	TV	OCO	1,039	1,941,474
E935883716	1/19/2012	3:59:51 PM	NNO-15	EBJ	TV	OFU	22	14,809
E430227424	1/19/2012	4:07:19 PM	MAP-15	EBF	TV	OCO	94	422,312
E209196495	1/19/2012	4:11:02 PM	GBK-13	EAD	TV	OCO	1,219	104,893
E885604052	1/19/2012	4:15:35 PM	ZEN-25	EBJ	TV	OCO	45	125,479
E147113150	1/19/2012	4:30:28 PM	HAZ-15	EBE	TV	OCO	7	7,767
11033900	1/19/2012	4:31:00 PM	SWI-21	ECC	TV	OCO	1,087	58,698
11028805	1/19/2012	4:31:00 PM	FRA-16	ECD	TV	OCO	1	368
E968956897	1/19/2012	4:31:48 PM	ASB-15	EBJ	TV	OCO	22	66,620
E637476614	1/19/2012	4:35:32 PM	VAS-22	EBL	TV	OFU	284	438,909
E794113296	1/19/2012	4:43:07 PM	MUR-13	ECE	TV	OFU	10	1,069
E937859100	1/19/2012	4:50:55 PM	HAZ-16	EBE	TV	OCO	31	131,877
E136006680	1/19/2012	4:58:22 PM	EGT-28	EBE	EF	UPC	24	72,879
E147319724	1/19/2012	5:03:34 PM	FCR-12	EBJ	TV	OPO	75	273,769
E864759104	1/19/2012	5:06:04 PM	ENU-16	EBI	TV	OFU	39	39,816
E378879349	1/19/2012	5:14:08 PM	KNT-36	EBJ	TV	OCO	45	247,314
E898445978	1/19/2012	5:14:48 PM	LGY-16	EAD	TV	UTC	3	511
E861167192	1/19/2012	5:41:00 PM	DUT-14	ECA	TV	OCO	1,215	2,905,065
E860391911	1/19/2012	5:52:00 PM	VAS-13	EBL	TV	OCR	179	226,202
E868704276	1/19/2012	5:59:20 PM	NNO-13	EBJ	TV	OFU	9	1,086
E058170110	1/19/2012	6:00:06 PM	WOO-25	ECA	TV	OCO	284	316,064
E475815791	1/19/2012	6:05:19 PM	DUT-16	ECA	TV	UPC	203	670,242
E741383559	1/19/2012	6:05:31 PM	PIP-26	EBI	TV	OCO	1,263	1,338,127
E112392201	1/19/2012	6:10:47 PM	PAN-14	EBJ	TV	OCO	42	6,687
E795771217	1/19/2012	6:11:43 PM	FLD-12	EAD	TV	OFU	25	2,980
11033358	1/19/2012	6:16:00 PM	FRG-25	ECC	TV	OCO	730	860,670
E445076864	1/19/2012	6:28:53 PM	OSC-22	EBI	TV	OCO	300	1,575,335
E430506378	1/19/2012	6:29:08 PM	PTL-13	ECF	CP	UPS	19	2,353
E011685406	1/19/2012	6:31:00 PM	KNM-26	EBD	EF	OCN	3	3,867
E161191005	1/19/2012	6:38:50 PM	FRA-16	ECD	TV	OCO	20	6,778
E697256572	1/19/2012	6:45:04 PM	FRA-13	ECD	TV	OFU	50	7,797
E808495348	1/19/2012	6:47:10 PM	PIP-22	EBJ	TV	OCO	5	38,869
E111079457	1/19/2012	6:47:16 PM	MVW-15	EBJ	TV	OCO	658	2,713,921
E459602001	1/19/2012	6:49:30 PM	LOL-21	ECD	TV	OCO	25	9,555
11030584	1/19/2012	6:59:00 PM	TLN-0018	ECC	TV	OCO	3,627	3,290,108
E574950275	1/19/2012	7:10:19 PM	SOM-17	EBE	TV	OSV	6	8,578
E962721319	1/19/2012	7:13:11 PM	BLS-23	EAA	EF	UPT	7	783
11031348	1/19/2012	7:14:00 PM	TLN-0181	ECA	TV	OCO	1,448	796,400
E597839333	1/19/2012	7:14:24 PM	BRS-13	EAC	TV	UTC	25	4,435
11033865	1/19/2012	7:46:00 PM	ELD-23	ECC	TV	OCO	1,030	900,220
E679007894	1/19/2012	7:47:30 PM	POU-15	ECE	TV	OCO	13	1,125
E147057648	1/19/2012	8:05:51 PM	SWI-21	ECC	TV	OCO	337	837,159
E240177824	1/19/2012	8:07:35 PM	CHM-11	ECF	TV	OTF	2	349
E856947565	1/19/2012	8:11:19 PM	SHD-18	EBI	TV	OCO	46	303,079
E056154415	1/19/2012	8:14:00 PM	PIN-25	EBF	TV	OCO	1,820	305,760
E894035112	1/19/2012	8:14:00 PM	PIN-26	EBD	TV	OCO	1,690	393,770
E485221911	1/19/2012	8:14:00 PM	PIN-23	EBF	TV	OCO	1,794	459,264
E756862560	1/19/2012	8:14:00 PM	PIN-27	EBF	TV	OCO	1,634	478,762

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E063721147	1/19/2012	8:16:11 PM	DUV-15	EBD	TV	OCO	1,024	274,244
E998983000	1/19/2012	8:17:02 PM	NNO-13	EBJ	TV	OSW	58	258,482
E056119720	1/19/2012	8:18:14 PM	BON-13	ECA	TV	OCO	10	14,658
E773379329	1/19/2012	8:22:05 PM	LWS-14	EBI	TV	OCO	61	339,033
E559962050	1/19/2012	8:25:15 PM	GAR-15	ECA	TV	OPO	170	810,588
E981517461	1/19/2012	8:41:49 PM	DES-13	EBJ	TV	OCO	82	523,715
E185062965	1/19/2012	8:51:00 PM	SAH-15	EBD	TV	OCO	1,312	410,656
E279264082	1/19/2012	8:56:00 PM	PIK-24	EBF	TV	OCO	303	49,086
E612713846	1/19/2012	8:56:00 PM	PIK-21	EBF	TV	OCO	1,069	355,418
E059320353	1/19/2012	8:58:19 PM	NNO-12	EBJ	TV	OCO	165	646,253
11033257	1/19/2012	9:01:00 PM	PAT-17	ECC	TV	OCO	860	2,088,940
E479198597	1/19/2012	9:03:50 PM	PAN-14	EBJ	TV	OCO	282	1,981,419
E609103021	1/19/2012	9:05:25 PM	HAP-16	EAA	TV	OCO	5	2,705
E870534405	1/19/2012	9:08:03 PM	PAN-15	EBJ	TV	OCO	817	3,695,787
E020101408	1/19/2012	9:28:39 PM	LEA-17	EBI	TV	OCO	1,621	3,264,398
E025216569	1/19/2012	9:34:32 PM	VAS-23	EBL	TV	OCO	117	204,454
E484145815	1/19/2012	9:37:17 PM	SWE-23	EBJ	TV	OSV	2	13,315
E345293176	1/19/2012	9:46:02 PM	GRA-16	EBJ	TV	OSV	1	7,038
E133352493	1/19/2012	10:05:48 PM	RDO-12	EBJ	TV	OCO	117	612,031
E897798550	1/19/2012	10:07:08 PM	VAS-23	EBL	TV	OCR	78	168,860
E832554533	1/19/2012	10:21:38 PM	KLA-18	EBD	TV	OCO	7	21,150
E866504047	1/19/2012	10:30:20 PM	SCH-13	EAA	EF	OHR	1,413	5,181
11031292	1/19/2012	10:34:00 PM	TLN-0227	ECC	TV	OCO	876	8,760
11033866	1/19/2012	10:36:00 PM	ELD-26	ECC	TV	OCO	913	674,707
11033861	1/19/2012	10:46:00 PM	BLU-16	ECC	TV	OCO	1,075	2,713,300
11033327	1/19/2012	10:46:00 PM	BLU-13	ECC	TV	OCO	637	1,700,153
E815576456	1/19/2012	10:46:28 PM	ELD-26	ECC	TV	OCO	417	303,798
E964152550	1/19/2012	10:51:00 PM	SAH-17	EBD	TV	OCO	698	14,658
11031597	1/19/2012	11:45:00 PM	WOO-25	ECA	TV	OCO	618	475,860
E902088649	1/20/2012	12:05:44 AM	BUC-25	ECA	TV	OTR	700	2,714,127
E464034240	1/20/2012	12:08:02 AM	FRG-23	ECC	TV	OCO	170	1,247,454
E836460772	1/20/2012	12:20:00 AM	PLA-22	EBD	TV	OCO	474	26,070
E205947346	1/20/2012	12:20:00 AM	PLA-21	EBF	TV	OCO	767	80,553
E288522460	1/20/2012	12:20:00 AM	PLA-23	EBD	TV	OCO	1,677	466,206
E230342249	1/20/2012	12:44:00 AM	TLN-0174	EBD	TV	OCO	5,562	6,819,012
E673395550	1/20/2012	12:51:30 AM	LAC-13	ECC	TV	OCO	300	1,215,750
E020313850	1/20/2012	1:28:19 AM	CAM-26	EBJ	TV	OCO	925	3,488,807
E524908733	1/20/2012	1:33:41 AM	VAS-13	EBL	TV	OCO	401	286,127
E274923903	1/20/2012	1:54:08 AM	PIK-23	EBF	TV	UTC	85	56,599
E300534984	1/20/2012	2:04:23 AM	LGY-16	EAD	TV	OFU	2	340
E629564546	1/20/2012	2:11:03 AM	KNM-27	EBD	TV	OCO	90	60,656
E651606249	1/20/2012	2:15:00 AM	TRA-23	ECE	EF	OTF	6	2,262
E121936081	1/20/2012	2:17:04 AM	PCR-14	EBE	TV	OCO	445	227,365
E040300180	1/20/2012	2:28:02 AM	SBE-26	EBE	TV	OCO	70	92,188
E232491051	1/20/2012	2:46:27 AM	HIG-16	EBE	TV	OCO	53	103,273
E177145847	1/20/2012	2:46:59 AM	PIK-24	EBF	TV	OCO	56	47,657
E915059042	1/20/2012	3:14:01 AM	BEL-16	EBJ	TV	OCO	1,638	24,543
E625904010	1/20/2012	3:21:20 AM	GRV-12	ECA	TV	OCO	882	737,940
11031961	1/20/2012	3:23:00 AM	TLN-0088	EBJ	TV	OTR	429	775,203

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E869044512	1/20/2012	3:26:34 AM	NNO-15	EBJ	TV	OCO	379	1,799,521
E358045250	1/20/2012	3:32:31 AM	FNW-16	ECD	TV	OCO	307	79,661
E591407666	1/20/2012	3:38:00 AM	COT-15	EBD	TV	OCO	1,229	2,685,365
E317453581	1/20/2012	3:40:57 AM	BEL-13	EBJ	TV	OFU	54	2,325
E618477536	1/20/2012	3:56:46 AM	LMD-12	EBJ	TV	OCO	141	857,736
E751932473	1/20/2012	4:05:15 AM	HAZ-12	EBE	TV	OCO	90	262,598
E754014476	1/20/2012	4:12:22 AM	UHL-25	EBD	TV	OCO	467	162,345
E742083104	1/20/2012	4:13:56 AM	PIN-27	EBF	TV	OCO	1,634	702,729
E631688645	1/20/2012	4:14:07 AM	PHA-13	EBE	TV	OCO	125	296,158
E918189381	1/20/2012	4:21:41 AM	SEQ-13	EBI	TV	OCO	20	88,666
E335854175	1/20/2012	4:26:16 AM	BEL-16	EBJ	TV	OCO	552	1,216,091
E633730930	1/20/2012	4:26:16 AM	BEL-16	EBJ	TV	OCO	648	2,500,459
E517381946	1/20/2012	4:30:03 AM	WOO-23	ECA	TV	OCO	65	292,302
E762266847	1/20/2012	4:36:23 AM	BEL-16	EBJ	TV	OCO	577	2,220,652
E216857315	1/20/2012	4:39:26 AM	CAM-17	EBJ	TV	OCO	204	623,350
E004890606	1/20/2012	4:40:02 AM	PLA-21	EBD	TV	OCO	299	821,343
E141649224	1/20/2012	4:41:38 AM	BEL-13	EBJ	TV	OCO	44	209,368
E219591719	1/20/2012	4:54:28 AM	FRA-15	ECD	TV	OPO	300	95,490
E505896590	1/20/2012	4:56:33 AM	WAU-22	EBI	TV	OCO	167	680,541
E205712984	1/20/2012	5:07:05 AM	NOP-26	EBJ	TV	OFC	248	802,223
E771907862	1/20/2012	5:08:09 AM	BEL-13	EBJ	TV	OCO	239	1,130,912
E249853805	1/20/2012	5:13:00 AM	TLN-0205	EBD	TV	OCO	1,965	4,983,240
11031349	1/20/2012	5:16:00 AM	TLN-0181	ECA	TV	OCO	1,448	56,472
E350192237	1/20/2012	5:26:20 AM	BTR-22	EBE	TV	OCO	17	59,222
E455309960	1/20/2012	5:31:04 AM	WAY-15	EBD	TV	OCO	152	64,286
E198630061	1/20/2012	5:34:20 AM	BEL-17	EBJ	TV	OCO	79	307,447
E915807075	1/20/2012	5:34:27 AM	PLA-24	EBD	TV	OCO	122	269,077
E668764338	1/20/2012	5:43:47 AM	BEL-26	EBJ	TV	OCO	270	771,719
E393869126	1/20/2012	5:51:18 AM	SAH-16	EBD	TV	OCO	227	62,811
E928698529	1/20/2012	5:58:36 AM	CTR-25	EBI	TV	OCO	34	140,808
E646083883	1/20/2012	6:08:26 AM	PEA-16	EBJ	TV	OCO	16	66,905
E825738269	1/20/2012	6:14:57 AM	WAU-26	EBJ	TV	OCO	12	41,311
E434451729	1/20/2012	6:21:15 AM	AVO-17	EBD	TV	OCO	53	198,790
E630595825	1/20/2012	6:23:30 AM	PLA-23	EBD	TV	OCO	236	1,134,334
E759297489	1/20/2012	6:28:39 AM	FRA-12	ECD	TV	OFU	13	3,632
E417443170	1/20/2012	6:31:39 AM	NRU-23	EBE	TV	OCO	21	72,079
E198656988	1/20/2012	6:33:13 AM	KLA-18	EBF	TV	OCO	72	61,688
E163944944	1/20/2012	6:38:17 AM	KLA-15	EBF	TV	OCO	2,116	342,192
E675966879	1/20/2012	6:39:04 AM	PIN-26	EBF	TV	OCO	72	265,027
E510337544	1/20/2012	6:42:57 AM	SIL-13	ECE	TV	OFU	8	1,736
E612436734	1/20/2012	6:44:08 AM	KLA-15	EBD	TV	OCO	215	41,036
11033353	1/20/2012	6:51:00 AM	ELD-27	ECC	TV	OCO	205	332,920
E504950362	1/20/2012	6:59:00 AM	SWE-27	EBJ	TV	OFU	38	2,318
E257628835	1/20/2012	7:00:25 AM	BIG-15	EAC	TV	UTC	35	4,710
E731425381	1/20/2012	7:07:14 AM	ING-15	EBD	TV	OCO	59	57,216
E387785924	1/20/2012	7:11:18 AM	BRS-24	EAC	TV	OFU	9	1,743
E530888272	1/20/2012	7:11:48 AM	KNM-23	EBD	TV	OCO	21	9,664
E828959950	1/20/2012	7:20:00 AM	COT-16	EBD	TV	OCO	986	72,964
E742559472	1/20/2012	7:31:02 AM	PIN-25	EBF	TV	OCO	397	436,290

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E903272320	1/20/2012	7:35:10 AM	WAU-25	EBJ	TV	OTF	126	664,529
E783185136	1/20/2012	7:40:40 AM	NRU-27	EBE	TV	OCO	4	7,193
E421711451	1/20/2012	7:42:30 AM	ENU-18	EBI	TV	CDH	289	1,253,188
E198794942	1/20/2012	7:59:26 AM	EDG-12	ECA	TV	OCO	11	1,546
E455470261	1/20/2012	8:08:05 AM	PIN-23	EBF	TV	OCO	10	9,359
E523781718	1/20/2012	8:20:20 AM	BOW-26	EBJ	TV	OCO	665	545,078
E235789409	1/20/2012	8:22:36 AM	LGY-16	EAD	TV	OCO	15	5,181
E555157795	1/20/2012	8:23:35 AM	FRA-16	ECD	TV	OCO	141	12,185
E918573544	1/20/2012	8:28:49 AM	SWE-27	EBJ	TV	OCO	298	1,339,173
11028257	1/20/2012	8:34:09 AM	SNN-22	EAC	TV	OCO	3	2,649
E164719673	1/20/2012	8:48:47 AM	LGY-15	EAD	TV	OCO	15	7,143
E621293877	1/20/2012	8:56:10 AM	EGT-16	EBE	TV	OCO	134	277,224
E794811694	1/20/2012	8:57:14 AM	PLA-21	EBF	TV	OPO	4	9,959
11033678	1/20/2012	9:05:00 AM	BLS-23	EAA	EF	UPT	7	672
E761835578	1/20/2012	9:10:05 AM	HWD-22	EBD	TV	OFC	94	317,712
E275309005	1/20/2012	9:11:22 AM	VAS-23	EBL	TV	OCO	19	37,005
E600318347	1/20/2012	9:15:10 AM	MWD-13	EBE	TV	OCO	1,742	818,450
11031594	1/20/2012	9:20:00 AM	WOO-23	ECA	TV	OCO	931	153,615
E639346898	1/20/2012	9:20:12 AM	SCH-13	EAA	EF	USV	1	355
E119975972	1/20/2012	9:20:34 AM	POU-15	ECE	TV	OCO	11	990
E170054017	1/20/2012	9:25:45 AM	BTR-22	EBD	TV	OSV	10	32,443
E024608549	1/20/2012	9:31:19 AM	VAS-23	EBL	TV	OCO	28	50,699
E629075377	1/20/2012	9:35:21 AM	VAS-12	ECD	TV	OCO	12	18,524
E077418591	1/20/2012	9:37:11 AM	SIN-23	ECD	TV	OPO	34	81,835
E524758602	1/20/2012	9:45:20 AM	SHD-17	EBJ	TV	OCR	3	10,538
E444823292	1/20/2012	9:50:09 AM	SPA-17	ECA	TV	OCO	215	587,993
E764078149	1/20/2012	10:00:59 AM	UHL-25	EBD	TV	OCO	16	688
E426610509	1/20/2012	10:02:20 AM	CHR-22	ECE	TV	OCO	18	13,458
11028810	1/20/2012	10:05:00 AM	VAS-13	EBL	TV	OTR	1,850	222,782
E211295393	1/20/2012	10:21:55 AM	KLA-15	EBF	TV	OCO	78	332,911
E384707725	1/20/2012	10:24:32 AM	KLA-15	EBD	TV	OCO	137	584,369
E015999995	1/20/2012	10:35:32 AM	PAN-13	EBJ	TV	OCO	132	395,870
E723127644	1/20/2012	10:44:26 AM	HKX-16	EAC	TV	OCO	70	10,890
E142908762	1/20/2012	11:06:21 AM	SIN-25	ECD	TV	OSV	1	287
E961198026	1/20/2012	11:08:48 AM	PAN-12	EBJ	TV	OCO	59	289,761
E320490910	1/20/2012	11:10:00 AM	EDG-13	ECA	TV	OTR	430	1,530,080
E383297214	1/20/2012	11:18:28 AM	PHA-16	EBE	TV	OCO	72	244,550
E452302291	1/20/2012	11:23:01 AM	PIK-21	EBF	TV	OPO	45	130,139
11032935	1/20/2012	11:26:00 AM	FRG-23	ECC	TV	OCO	1,669	215,301
11033898	1/20/2012	11:26:00 AM	PLU-25	ECC	TV	OCO	936	125,424
11033355	1/20/2012	11:26:00 AM	FRG-22	ECC	TV	OCO	426	57,084
11033868	1/20/2012	11:26:00 AM	FRG-24	ECC	TV	OCO	865	115,910
11033953	1/20/2012	11:30:00 AM	WOL-26	ECC	TV	OCO	1,077	112,923
E402649831	1/20/2012	11:30:00 AM	MKI-14	ECC	TV	OCO	650	82,150
11033951	1/20/2012	11:30:00 AM	WOL-25	ECC	TV	OCO	1,368	458,280
E845592674	1/20/2012	11:30:00 AM	WOL-22	ECC	TV	OCO	163	184,027
E163715513	1/20/2012	11:30:46 AM	PIN-27	EBF	TV	OTR	122	349,192
E645310681	1/20/2012	11:32:25 AM	CTR-25	EBJ	TV	DNO	5	21,738
E230078214	1/20/2012	11:32:57 AM	MIL-22	ECE	TV	OCO	22	11,955

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
11033284	1/20/2012	11:35:00 AM	THU-16	ECC	TV	OCO	287	35,875
E702368020	1/20/2012	11:42:48 AM	VAS-23	EBL	TV	OCO	125	190,525
E285796940	1/20/2012	11:44:57 AM	FWD-15	EBJ	TV	OCO	200	535,810
E727960015	1/20/2012	11:47:10 AM	MCW-17	ECE	TV	OSV	1	265
E527498644	1/20/2012	11:48:46 AM	UHL-22	EBD	TV	OCO	5	12,741
E190046638	1/20/2012	11:50:24 AM	LOL-21	ECD	TV	OCO	140	111,944
E354880477	1/20/2012	11:50:32 AM	FWD-16	EBE	TV	OCO	50	473
E654928692	1/20/2012	12:03:46 PM	ENU-16	EBI	TV	OCO	100	256,413
E529288148	1/20/2012	12:05:20 PM	FWY-15	EBJ	TV	OCO	837	1,549,626
E182245912	1/20/2012	12:06:37 PM	BEL-16	EBJ	EF	UTC	8	34,027
E096863055	1/20/2012	12:16:45 PM	PIN-26	EBD	TV	OCO	7	23,403
E568499225	1/20/2012	12:19:14 PM	HAZ-15	EBE	TV	OCO	1	1,031
E051522111	1/20/2012	12:21:29 PM	PIP-26	EBI	TV	OCO	133	596,286
E589859316	1/20/2012	12:31:57 PM	EDG-12	ECA	TV	OCO	155	473,663
E911256114	1/20/2012	12:32:18 PM	MAN-13	ECD	EO	OCO	11	8,357
E519664770	1/20/2012	12:33:58 PM	WOO-25	ECA	TV	OCO	31	54,561
E355529006	1/20/2012	12:38:17 PM	TIL-25	ECA	TV	OCO	170	427,162
E819976959	1/20/2012	1:09:56 PM	ELL-14	EBJ	TV	OCO	335	1,115,667
E999740506	1/20/2012	1:33:02 PM	BEL-23	EBJ	TV	UPC	41	35,546
E366131691	1/20/2012	1:42:53 PM	SME-13	EBE	TV	OCO	120	174,854
E025198103	1/20/2012	1:59:21 PM	FWD-13	EBJ	TV	OFU	470	658,306
E259172151	1/20/2012	2:07:20 PM	FWD-16	EBJ	TV	OCO	373	1,119,342
E989938332	1/20/2012	2:14:00 PM	GOO-17	EBF	TV	OCO	923	84,916
E517287468	1/20/2012	2:14:00 PM	GOO-15	EBF	TV	OCO	129	12,642
E998725045	1/20/2012	2:14:00 PM	GOO-13	EBF	TV	OCO	1,957	219,184
E556342062	1/20/2012	2:21:06 PM	OSC-22	EBJ	TV	OCO	1	4,059
E986846631	1/20/2012	2:26:07 PM	VAS-13	EBL	TV	OCO	246	99,601
E284259619	1/20/2012	2:34:54 PM	VAS-13	EBL	TV	OCO	23	50,027
E759617476	1/20/2012	2:39:14 PM	WAY-15	EBD	TV	OCO	56	44,603
E018836313	1/20/2012	2:44:41 PM	VAS-13	EBL	TV	OCO	17	23,125
E413247329	1/20/2012	2:44:59 PM	VAS-13	EBL	TV	OCO	10	14,700
E532693998	1/20/2012	2:45:40 PM	CEK-14	ECE	TV	UHH	1	1,715
E959269509	1/20/2012	2:57:35 PM	VAS-13	EBL	TV	OCO	9	11,677
E375538031	1/20/2012	2:58:25 PM	PET-16	EAC	TV	OCO	156	102,739
E271413595	1/20/2012	3:02:08 PM	VAS-13	EBL	TV	OCO	6	19,241
E803975412	1/20/2012	3:04:27 PM	VAS-13	EBL	TV	OCO	65	135,561
E024938056	1/20/2012	3:20:13 PM	PHA-17	EBE	TV	OCO	5	10,124
E271165407	1/20/2012	3:43:55 PM	HOU-25	EBD	TV	OCO	62	177,697
E832753417	1/20/2012	3:44:48 PM	HOU-25	EBE	TV	OCO	143	216,224
E290317510	1/20/2012	3:48:10 PM	VAS-13	EBL	TV	OCO	64	31,477
E619602585	1/20/2012	3:55:27 PM	FCR-11	EBI	TV	OCO	241	654,207
E731618754	1/20/2012	4:05:30 PM	TIL-23	ECA	TV	OCO	462	1,064,679
E848102930	1/20/2012	4:16:41 PM	CWD-24	EBD	TV	OTF	4	4,577
E877181215	1/20/2012	4:20:00 PM	WIS-15	EBF	TV	OCO	697	17,425
E441984139	1/20/2012	4:20:00 PM	WIS-15	EBF	TV	OCO	697	18,122
E793322783	1/20/2012	4:20:00 PM	WIS-13	EBF	TV	OCO	760	60,040
E404196764	1/20/2012	4:20:00 PM	WIS-13	EBF	TV	OCO	760	60,800
E821581415	1/20/2012	4:20:00 PM	WIS-16	EBF	TV	OCO	791	78,309
E480767572	1/20/2012	4:20:00 PM	WIS-16	EBF	TV	OCO	791	79,100

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E861171076	1/20/2012	4:20:00 PM	WIS-14	EBF	TV	OCO	1,055	229,990
E140018017	1/20/2012	4:20:57 PM	RDO-15	EBJ	TV	OCO	318	1,241,048
E635851456	1/20/2012	4:25:18 PM	KNM-23	EBD	TV	OSV	1	1,055
E517000754	1/20/2012	4:26:56 PM	ELL-15	EBJ	TV	OCO	11	4,544
E893608949	1/20/2012	4:30:00 PM	MKI-14	ECC	TV	OCO	788	232,460
E020528320	1/20/2012	4:43:03 PM	LMC-23	EBJ	TV	OCO	1	5,567
E315051147	1/20/2012	4:56:23 PM	WCA-16	EBJ	TV	OCO	287	836,733
E924625277	1/20/2012	5:00:03 PM	ROS-15	EBD	TV	OCO	88	246,748
E266426917	1/20/2012	5:01:06 PM	SPA-16	ECA	TV	OCO	977	2,517,127
11033455	1/20/2012	5:06:00 PM	MKI-14	ECC	TV	OCO	378	97,902
E479668365	1/20/2012	5:06:00 PM	MKI-14	ECC	TV	OCO	791	224,644
E283248130	1/20/2012	5:20:39 PM	STW-16	ECA	TV	OCO	556	1,368,511
E194796307	1/20/2012	5:33:30 PM	STA-17	EBJ	TV	UPT	577	1,793,801
E867975172	1/20/2012	5:35:36 PM	TIL-22	ECA	TV	OCO	106	126,606
11028822	1/20/2012	5:37:00 PM	VAS-22	EBL	TV	OCO	173	7,439
E476444604	1/20/2012	5:41:30 PM	MWD-13	EBE	TV	OCO	447	121,545
E807670749	1/20/2012	5:57:09 PM	BRS-24	EAC	TV	OFU	30	1,800
E594878432	1/20/2012	6:02:48 PM	ELL-12	EBI	TV	OCO	188	58,694
E068004875	1/20/2012	6:12:52 PM	MTH-16	EBI	TV	OCO	437	1,253,017
E045011819	1/20/2012	6:13:08 PM	ELL-13	EBI	TV	OCO	145	392,546
E920934422	1/20/2012	6:15:00 PM	TLN-0012	EBD	TV	OCO	707	1,894,053
E392481111	1/20/2012	6:23:29 PM	VAS-13	EBL	TV	OCO	15	23,438
E900616908	1/20/2012	6:28:53 PM	ELL-16	EBI	TV	OCO	148	359,805
E080810475	1/20/2012	6:32:55 PM	UHL-25	EBD	TV	OCO	14	41,539
E874766893	1/20/2012	6:41:40 PM	PLU-24	ECC	TV	OCO	101	570,482
E260115775	1/20/2012	6:53:30 PM	MTH-16	EBJ	TV	OCO	179	979,314
11028823	1/20/2012	6:56:00 PM	VAS-13	EBL	TV	OCO	30	1,290
E922878512	1/20/2012	7:18:04 PM	TLN-0223	EBF	TV	OCO	9,154	2,690,666
E077721508	1/20/2012	7:21:31 PM	WOO-26	ECA	TV	OCO	10	75
E098189796	1/20/2012	7:26:39 PM	MWD-15	EBE	TV	OCO	23	25,262
E448762991	1/20/2012	7:31:52 PM	WOO-26	ECA	TV	OPO	536	680,255
E894554036	1/20/2012	7:39:00 PM	LYO-12	EBJ	TV	OCO	34	46,614
E633831912	1/20/2012	7:41:50 PM	GRV-12	ECA	TV	OCO	863	171,881
E403755822	1/20/2012	7:45:00 PM	RHO-15	ECA	TV	OCO	1,922	3,334,670
E845637886	1/20/2012	7:47:09 PM	LYO-12	EBI	TV	OCO	671	604,038
E498388325	1/20/2012	8:13:23 PM	VAS-22	EBL	TV	OCO	149	183,511
E983135632	1/20/2012	8:24:56 PM	BRS-24	EAC	TV	OHR	420	63,868
E254493143	1/20/2012	8:35:29 PM	TAN-13	ECC	TV	UTR	60	338,551
E359183795	1/20/2012	8:56:01 PM	BON-15	ECA	TV	OCO	398	1,509,287
E413449816	1/20/2012	8:57:15 PM	BON-13	ECA	TV	OCO	130	278,948
E213183053	1/20/2012	8:58:00 PM	BON-17	ECA	TV	OPO	201	759,750
E352419678	1/20/2012	9:06:56 PM	KNM-25	EBD	TV	OCO	60	11,044
E250608063	1/20/2012	9:10:00 PM	DUV-15	EBD	TV	OCO	2,027	123,456
E971871298	1/20/2012	9:10:00 PM	DUV-12	EBD	TV	OCO	1,828	582,031
E369967623	1/20/2012	9:30:26 PM	HWD-25	EBD	TV	OCO	141	151,232
E210474495	1/20/2012	9:37:32 PM	WOO-27	ECA	TV	OCO	881	2,951,077
E136579452	1/20/2012	9:48:35 PM	GAR-12	ECA	TV	OCO	59	211,234
E446964720	1/20/2012	9:51:12 PM	STW-15	ECA	TV	OCO	50	145,890
E143239216	1/20/2012	10:07:32 PM	MKI-17	ECC	TV	OCO	460	1,263,375

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E375792514	1/20/2012	10:10:43 PM	MKI-14	ECC	TV	OCO	543	3,840,250
E786909234	1/20/2012	10:22:54 PM	CED-15	ECA	TV	OCO	164	431,664
E081040105	1/20/2012	10:35:35 PM	CED-13	ECA	TV	OCO	205	541,300
E811673812	1/20/2012	10:37:44 PM	SWI-16	ECC	TV	OCO	634	2,546,947
E030197457	1/20/2012	10:38:11 PM	SWI-15	ECC	TV	OCO	911	3,416,994
E969524982	1/20/2012	11:03:11 PM	BAR-17	ECC	TV	OCO	861	2,436,040
E127894493	1/20/2012	11:15:06 PM	DGR-13	ECA	TV	OCO	150	806,985
E991647978	1/20/2012	11:18:40 PM	OBY-17	ECC	TV	OCO	19	2,704
E297984092	1/20/2012	11:19:38 PM	ORT-23	ECA	TV	OSV	573	2,498,865
E352313143	1/20/2012	11:38:06 PM	BON-16	ECA	TV	OCO	259	927,947
E599828652	1/20/2012	11:46:08 PM	ROL-13	EBJ	TV	OCO	347	259,572
E933230741	1/21/2012	12:04:48 AM	BRS-24	EAC	EF	OIN	19	8,410
E862453469	1/21/2012	12:12:00 AM	WIS-14	EBD	TV	OCO	31	21,948
E205925659	1/21/2012	12:12:00 AM	WIS-15	EBD	TV	OCO	3	4,887
E362166101	1/21/2012	12:16:10 AM	BAR-13	ECC	TV	OPO	324	1,382,778
E611743014	1/21/2012	12:44:58 AM	MAP-16	EBF	TV	OCO	3	3,882
E569802018	1/21/2012	12:54:11 AM	HAW-12	ECC	TV	OPO	662	2,639,273
E321681793	1/21/2012	1:08:46 AM	BAR-15	ECC	TV	OCO	142	540,059
E378123617	1/21/2012	1:09:49 AM	MWD-13	EBE	TV	OCO	18	16,023
E165253736	1/21/2012	1:13:41 AM	JHO-12	ECC	TV	OCO	238	281,391
E804715011	1/21/2012	1:21:55 AM	NLM-16	EAC	TV	OFU	6	637
E538185057	1/21/2012	2:02:32 AM	ROC-15	ECC	TV	OCO	208	423,793
E931149529	1/21/2012	2:04:33 AM	OBY-17	ECC	TV	OCO	234	1,220,415
E102362689	1/21/2012	2:26:50 AM	LAC-17	ECC	TV	OTR	250	673,042
E374997248	1/21/2012	2:28:36 AM	HAP-16	EAA	TV	UTC	3	514
E332954904	1/21/2012	2:40:00 AM	SMR-23	ECA	TV	OCO	2,378	1,319,790
E959237608	1/21/2012	2:45:38 AM	BRW-13	EAC	TV	UTC	2	272
11033247	1/21/2012	2:46:00 AM	PLG-17	ECC	TV	OCO	1,132	542,228
E024997600	1/21/2012	2:56:01 AM	GRV-13	ECA	TV	OCO	214	566,454
E348179349	1/21/2012	3:00:52 AM	RHO-13	ECA	TV	OCO	386	975,859
E452453982	1/21/2012	3:01:46 AM	FRA-16	ECD	TV	OPO	480	353,872
11031299	1/21/2012	3:03:00 AM	MVW-13	EBJ	TV	OCO	2,053	763,716
E036513855	1/21/2012	3:03:33 AM	RHO-16	ECA	TV	OCO	1,933	1,897,143
E092768827	1/21/2012	3:08:47 AM	GRV-16	ECA	TV	OSV	272	715,963
E988534409	1/21/2012	3:26:07 AM	WOL-23	ECC	TV	OCO	545	1,432,196
E340615462	1/21/2012	3:29:00 AM	MIR-16	EBF	TV	OCO	315	434,700
E941936128	1/21/2012	3:29:00 AM	MIR-17	EBF	TV	OCO	514	171,061
E243138215	1/21/2012	3:29:00 AM	MIR-15	EBF	TV	OCO	1,011	2,821,426
E489831323	1/21/2012	3:29:00 AM	MIR-17	EBF	TV	OCO	52	274,508
E073266252	1/21/2012	3:29:00 AM	MIR-17	EBF	TV	OCO	49	309,484
E996389550	1/21/2012	3:41:07 AM	ELL-12	EBI	TV	OFU	407	300,726
E399083637	1/21/2012	3:41:48 AM	DUV-15	EBD	TV	OCO	140	197,708
E555302102	1/21/2012	3:44:36 AM	HIG-15	EBE	TV	OCO	11	3,469
E836361917	1/21/2012	3:44:55 AM	HAM-15	EAC	EF	OTF	2	311
E615398603	1/21/2012	4:09:00 AM	BHL-15	ECE	TV	OCO	1,060	236,380
E853358417	1/21/2012	4:09:00 AM	BHL-16	ECE	TV	OCO	1,301	292,725
E276505096	1/21/2012	4:10:55 AM	SIL-15	ECD	TV	OCO	32	32,291
E160544441	1/21/2012	4:12:48 AM	PMA-15	ECE	TV	OAR	47	31,922
E420157594	1/21/2012	4:16:03 AM	FRA-13	ECD	TV	OCO	4	3,292

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E577412800	1/21/2012	4:18:06 AM	PIN-25	EBF	TV	OCO	20	37,738
E266050024	1/21/2012	4:18:14 AM	KNM-25	EBD	TV	OCO	8	2,734
E250585438	1/21/2012	4:18:27 AM	KNM-26	EBD	TV	OCO	23	10,179
E329538081	1/21/2012	4:40:58 AM	NBO-25	EBD	TV	OCO	122	26,112
E518765189	1/21/2012	4:56:53 AM	ROL-15	EBJ	TV	OCO	250	983,904
E720182566	1/21/2012	4:57:18 AM	VAS-13	EBL	TV	OSV	1	2,100
E470171391	1/21/2012	4:57:18 AM	VAS-13	EBL	EF	UPC	5	12,914
E737666451	1/21/2012	5:03:10 AM	NBO-26	EBD	TV	OCO	55	8,571
E711470775	1/21/2012	5:04:29 AM	WIN-16	ECE	TV	OCO	1,626	391,080
E020875830	1/21/2012	5:15:33 AM	MCA-13	ECC	TV	OCO	52	188,887
E600093317	1/21/2012	5:21:44 AM	HLC-23	EAD	EF	OTF	2	153
E493393372	1/21/2012	5:25:12 AM	WIN-15	ECE	TV	OFU	33	22,928
E293096666	1/21/2012	5:26:31 AM	MUR-13	ECE	TV	OFU	62	22,536
E811145665	1/21/2012	5:51:18 AM	MCA-16	ECC	TV	OCO	421	1,049,427
E774168358	1/21/2012	6:09:50 AM	MAP-13	EBF	TV	OCO	196	268,553
E452458237	1/21/2012	6:10:26 AM	BAR-16	ECC	TV	OCO	53	120,022
E551057306	1/21/2012	6:13:05 AM	GRV-12	ECA	TV	OCO	208	509,375
E731253769	1/21/2012	6:13:15 AM	WIS-15	EBF	TV	OCO	175	177,056
E113148388	1/21/2012	6:17:06 AM	KIN-21	ECE	TV	OFU	4	692
E629243051	1/21/2012	6:17:31 AM	AIR-25	ECC	TV	OCO	29	53,432
E394271372	1/21/2012	6:28:30 AM	MCA-15	ECC	TV	OFC	335	616,903
E440400047	1/21/2012	6:38:21 AM	ASB-17	EBJ	TV	OCO	126	93,448
E457277027	1/21/2012	6:40:49 AM	JHO-13	ECC	TV	OCO	62	238,959
E170565220	1/21/2012	6:42:51 AM	HKX-16	EAC	EF	OPO	5	2,534
E266131804	1/21/2012	6:46:59 AM	LTA-16	ECA	TV	OCO	2	1,558
E195685128	1/21/2012	6:54:56 AM	VAS-13	EBL	TV	OTR	42	105,633
E730469559	1/21/2012	7:01:00 AM	WIN-12	ECE	TV	OFU	31	18,569
E181209715	1/21/2012	7:03:38 AM	MER-12	EBE	TV	OCO	8	4,531
E956091623	1/21/2012	7:04:34 AM	VAS-23	EBL	TV	OCO	18	11,978
E969145822	1/21/2012	7:04:34 AM	VAS-23	EBL	TV	OFU	56	45,104
E118325593	1/21/2012	7:17:22 AM	FRG-22	ECC	TV	OCO	18	93,647
E841362515	1/21/2012	7:24:04 AM	CEK-17	ECE	TV	OFU	47	21,429
E410588908	1/21/2012	7:26:36 AM	PLU-25	ECC	TV	OCO	1	2,315
E461804788	1/21/2012	7:34:24 AM	FNW-13	ECD	TV	OTF	3	1,118
E973527831	1/21/2012	7:38:10 AM	PIN-17	EBF	TV	OCO	1	1,025
E770486843	1/21/2012	7:45:42 AM	PAT-16	ECC	TV	OCO	149	73,651
E151975054	1/21/2012	7:46:38 AM	MUR-16	ECE	TV	OFU	8	3,107
E994885793	1/21/2012	7:48:33 AM	LEA-17	EBI	TV	OCO	611	1,805,756
E687604594	1/21/2012	7:50:14 AM	VAS-23	EBL	TV	OCO	45	85,715
E330601271	1/21/2012	8:06:18 AM	AIR-26	ECC	TV	OCO	99	507,840
E005955952	1/21/2012	8:11:04 AM	VAS-13	EBL	TV	OCO	45	6,612
E639031082	1/21/2012	8:12:19 AM	SEM-15	EAA	TV	OTF	1	132
E812093082	1/21/2012	8:15:12 AM	LEA-16	EBI	TV	OTR	135	605,448
E391502485	1/21/2012	8:21:48 AM	PIN-23	EBF	TV	OCO	1	2,138
E538262560	1/21/2012	8:21:58 AM	LEA-17	EBI	TV	OCO	157	707,761
E252669194	1/21/2012	8:28:00 AM	MIR-17	EBF	TV	OCO	245	1,044,190
E275161914	1/21/2012	8:30:11 AM	WIS-13	EBF	TV	OCO	69	60,362
E530129176	1/21/2012	8:35:19 AM	POU-15	ECE	TV	OCO	12	5,996
E289470304	1/21/2012	8:56:32 AM	GBK-13	EAD	TV	OSV	1	764

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E186366059	1/21/2012	8:58:22 AM	SPI-17	EBD	EF	USV	1	1,382
E769263720	1/21/2012	9:04:23 AM	MAP-13	EBE	TV	OCO	4	4,782
E968167757	1/21/2012	9:11:16 AM	VAS-23	EBL	TV	CDH	47	34,391
E367003738	1/21/2012	9:22:55 AM	JUA-25	EBD	TV	OTF	2	284
E457604897	1/21/2012	9:55:19 AM	PLA-22	EBD	TV	OCO	12	7,784
E396552224	1/21/2012	10:00:09 AM	SME-12	EBE	TV	OCO	32	9,595
E156262468	1/21/2012	10:19:05 AM	JHO-15	ECC	TV	OCO	35	158,932
E054013801	1/21/2012	10:20:04 AM	ING-15	EBD	TV	OCO	6	1,860
E260335401	1/21/2012	10:33:42 AM	UHL-23	EBD	TV	OCO	7	22,934
E315635339	1/21/2012	10:37:07 AM	DUT-14	ECA	TV	OCO	101	87,858
E844453017	1/21/2012	10:37:26 AM	COT-13	EBD	TV	OCO	15	6,639
E217175288	1/21/2012	10:43:06 AM	MAP-17	EBE	TV	OCO	29	55,735
E227473353	1/21/2012	10:46:45 AM	ROL-16	EBJ	TV	OCO	215	744,599
E932018660	1/21/2012	11:00:57 AM	HAW-11	ECC	TV	OCO	26	93,263
E098863062	1/21/2012	11:05:00 AM	PLG-17	ECC	TV	OCO	227	1,020,365
E495303927	1/21/2012	11:25:05 AM	PHA-13	EBD	TV	OCO	2	6,014
E655564776	1/21/2012	11:29:00 AM	NBE-12	EBF	TV	OCO	943	82,041
E883893134	1/21/2012	11:29:00 AM	NBE-13	EBF	TV	OCO	986	457,247
E219574229	1/21/2012	11:29:00 AM	NBE-15	EBF	TV	OCO	658	285,018
E491131936	1/21/2012	11:40:54 AM	WIN-16	ECE	TV	OFU	17	1,855
E636409579	1/21/2012	11:48:37 AM	FNW-16	ECD	TV	OFU	3	358
E745361852	1/21/2012	12:00:19 PM	PLG-16	ECC	TV	OCO	5	23,098
E066564033	1/21/2012	12:06:36 PM	NOR-25	EBD	TV	OCO	7	10,874
E853499227	1/21/2012	12:12:00 PM	WIS-14	EBF	TV	OCO	375	244,875
E207556598	1/21/2012	12:18:35 PM	HIG-13	EBE	TV	OSV	1	77
E578657205	1/21/2012	12:34:19 PM	OBY-16	ECC	TV	OCO	186	294,937
E640681414	1/21/2012	12:56:00 PM	NBE-12	EBF	TV	OCO	10	30,040
E645882123	1/21/2012	12:59:52 PM	WIN-13	ECE	TV	OTF	5	1,126
E385871533	1/21/2012	1:02:01 PM	BUC-26	ECA	TV	OCO	135	513,918
E904444513	1/21/2012	1:04:39 PM	COT-16	EBD	TV	UTC	15	4,880
E837408958	1/21/2012	1:29:05 PM	PIP-23	EBI	TV	OCO	145	441,783
E308729911	1/21/2012	1:30:00 PM	PAT-17	ECC	TV	OTR	800	1,639,200
E303062701	1/21/2012	1:45:23 PM	HIG-16	EBE	TV	OSV	1	1,125
E088500899	1/21/2012	1:49:26 PM	HWD-26	EBD	TV	OPO	2	2,909
E001373707	1/21/2012	1:52:28 PM	FWD-13	EBJ	TV	OCO	172	378,660
E187255145	1/21/2012	1:58:00 PM	TLN-0075	ECE	TV	OCO	3,281	332,542
E267171467	1/21/2012	2:02:09 PM	TRA-22	ECE	TV	OFU	16	126
E566353350	1/21/2012	2:07:59 PM	SME-13	EBE	TV	OTF	4	1,688
E456714465	1/21/2012	2:17:00 PM	SWD-11	ECE	TV	OFU	14	1,442
E555772377	1/21/2012	2:25:15 PM	MWD-15	EBE	TV	OCO	16	22,636
E875325909	1/21/2012	2:26:34 PM	MCW-17	ECD	TV	OTF	4	478
E005966047	1/21/2012	2:33:59 PM	CHI-15	ECD	TV	OSV	1	238
E494528772	1/21/2012	2:35:27 PM	CEK-15	ECE	TV	OFU	11	1,425
E417660429	1/21/2012	3:00:37 PM	MAP-13	EBF	TV	OPO	158	837,303
E545285339	1/21/2012	3:02:05 PM	MHT-17	EBJ	TV	OCO	282	303,973
E123365127	1/21/2012	3:04:48 PM	VAS-12	EBL	TV	OFU	33	8,191
E097614043	1/21/2012	3:20:03 PM	FRA-16	ECD	TV	OFU	157	15,692
E808468396	1/21/2012	3:41:26 PM	FRG-25	ECC	TV	OCO	55	252,866
E373421068	1/21/2012	3:45:04 PM	WOB-23	EAA	EF	OFU	15	1,454

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E517392839	1/21/2012	3:45:34 PM	ING-15	EBD	TV	OCO	4	6,598
E290859705	1/21/2012	3:52:00 PM	SNQ-17	EBF	TV	OCO	435	9,570
E832602030	1/21/2012	3:52:00 PM	SNQ-18	EBF	TV	OCO	803	162,206
E337138589	1/21/2012	3:52:00 PM	SNQ-15	EBF	TV	OCO	798	193,116
E995109252	1/21/2012	3:59:33 PM	FWY-13	EBJ	TV	OSV	1	60
E280794476	1/21/2012	4:05:59 PM	SIL-15	ECE	TV	OSV	1	279
E585486462	1/21/2012	4:25:31 PM	PAT-16	ECC	TV	OCO	73	300,357
E978357849	1/21/2012	4:45:17 PM	GOO-16	EBF	TV	OTR	36	55,538
E454997367	1/21/2012	4:47:52 PM	WOO-26	ECA	TV	OSV	179	401,632
E551244441	1/21/2012	5:34:42 PM	WOL-25	ECC	TV	OCO	20	146
E008727503	1/21/2012	5:35:26 PM	NBE-16	EBF	TV	OCO	15	40,869
E710306780	1/21/2012	5:41:18 PM	HEM-17	ECA	TV	OCO	579	1,449,063
E031326738	1/21/2012	5:41:22 PM	HEM-16	ECA	TV	OCO	695	1,722,650
E636696606	1/21/2012	5:44:39 PM	WOL-25	ECC	TV	OCO	141	256,387
E811939412	1/21/2012	5:48:10 PM	TAN-15	ECC	TV	OCO	234	631,761
E868199286	1/21/2012	6:08:23 PM	LAT-17	EBJ	TV	OCO	22	22,256
E929532445	1/21/2012	6:08:23 PM	LAT-17	EBJ	TV	OSV	69	91,192
E294253534	1/21/2012	6:15:32 PM	GAR-16	ECA	TV	OCO	521	396,724
E921019544	1/21/2012	6:31:01 PM	ORC-13	EBJ	TV	OCO	506	2,261,306
E311452141	1/21/2012	6:35:26 PM	CHA-15	ECC	TV	OTR	50	121,228
E176419475	1/21/2012	6:45:35 PM	SME-12	EBE	TV	OCO	9	11,200
E366910345	1/21/2012	6:48:51 PM	PRI-13	ECC	TV	OCO	423	1,730,556
E696751557	1/21/2012	7:09:04 PM	EDG-15	ECA	TV	UPC	133	223,697
E796582891	1/21/2012	7:14:14 PM	LTA-18	ECA	TV	OCO	324	776,552
E394746857	1/21/2012	7:15:27 PM	RHO-16	ECA	TV	OCO	200	2,910
E631142632	1/21/2012	7:15:59 PM	KAP-16	ECA	TV	OPO	164	572,859
E170590600	1/21/2012	7:16:20 PM	HEM-15	ECA	TV	OCO	419	1,207,667
E806395851	1/21/2012	7:17:36 PM	RHO-15	ECA	TV	OSV	535	814,834
E029731667	1/21/2012	7:19:25 PM	ORT-22	ECA	TV	OSV	1,282	6,587,608
E180671149	1/21/2012	7:19:40 PM	LAT-17	EBJ	TV	PTF	256	429,745
E743232809	1/21/2012	7:25:51 PM	HEM-13	ECA	TV	OCO	132	373,584
E905611639	1/21/2012	7:26:09 PM	WLK-13	ECA	TV	OCO	120	354,942
E926720239	1/21/2012	7:26:56 PM	STW-13	ECA	TV	OCO	20	29,721
E367938117	1/21/2012	7:37:50 PM	RHO-16	ECA	TV	OCO	152	245,961
E810318201	1/21/2012	7:38:17 PM	VAS-22	EBL	TV	OCO	1	262
11029420	1/21/2012	7:39:00 PM	KIT-25	EBH	EF	OFC	5	20
E864611931	1/21/2012	7:39:05 PM	DGR-15	ECA	TV	OCO	403	350,979
E559769572	1/21/2012	7:41:02 PM	LTA-17	ECA	TV	OSV	82	124,555
E756142123	1/21/2012	7:46:42 PM	CUM-13	EBI	TV	OCO	30	47,199
E431053727	1/21/2012	7:48:24 PM	EGT-16	EBE	TV	OCO	36	45,274
E856463531	1/21/2012	7:54:13 PM	ASB-17	EBJ	TV	OCO	89	94,355
E082074110	1/21/2012	8:25:33 PM	ALG-15	EAA	TV	OFU	10	986
E710604871	1/21/2012	8:27:07 PM	COT-13	EBD	TV	OCO	9	8,621
E946803036	1/21/2012	8:38:46 PM	CAP-15	ECC	TV	OCO	83	41,602
E139621678	1/21/2012	8:38:52 PM	LAT-14	EBJ	TV	OCO	51	56,158
E767550163	1/21/2012	8:45:26 PM	LAT-16	EBJ	TV	OCO	59	66,349
E770738963	1/21/2012	8:46:58 PM	WIN-15	ECE	TV	OSV	1	767
E703860184	1/21/2012	8:57:55 PM	LAT-16	EBJ	TV	OCO	10	9,821
E789840659	1/21/2012	8:57:55 PM	LAT-16	EBJ	TV	OCO	38	42,259

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E056510617	1/21/2012	9:03:49 PM	JHO-12	ECC	TV	OCR	249	754,018
E503665407	1/21/2012	9:05:05 PM	LTA-17	EBI	TV	OCO	6	5,370
E785221583	1/21/2012	9:18:55 PM	LAT-15	EBJ	TV	OUP	160	240,973
E891850859	1/21/2012	9:23:55 PM	LAT-13	EBJ	TV	OFU	96	141,704
E758371106	1/21/2012	9:50:59 PM	PRI-24	ECC	TV	OCO	11	39,699
E376736792	1/21/2012	9:51:50 PM	EGT-12	EBE	TV	OCO	15	4,698
E690373342	1/21/2012	9:57:01 PM	WOO-25	ECA	TV	OCO	15	31,742
E315682916	1/21/2012	10:01:09 PM	LYO-12	EBJ	TV	OCO	131	715,764
E004249475	1/21/2012	10:02:42 PM	SAH-15	EBD	PO	OCO	1	692
E038931798	1/21/2012	10:04:30 PM	GOO-17	EBF	TV	UPC	84	312,522
E280012663	1/21/2012	10:08:40 PM	LYO-12	EBI	TV	OCO	112	611,109
E016252022	1/21/2012	10:39:27 PM	PRI-23	ECC	TV	OCO	131	556,822
E842494721	1/21/2012	10:40:35 PM	SNQ-17	EBF	TV	OCO	118	271,331
E814948728	1/21/2012	10:56:05 PM	HOB-15	EBI	TV	OCO	412	257,054
E520819177	1/21/2012	11:22:37 PM	SNQ-13	EBF	TV	OCO	42	98,170
E193724439	1/21/2012	11:29:00 PM	TOL-16	EBD	TV	OCO	543	39,018
E040889079	1/21/2012	11:29:00 PM	TOL-17	EBD	TV	OCO	286	64,664
E638845065	1/21/2012	11:29:11 PM	THU-16	ECC	TV	OPO	2	8,518
E824063193	1/21/2012	11:32:56 PM	MAP-16	EBF	TV	OCO	13	11,116
E592991958	1/21/2012	11:42:38 PM	ELL-12	EBI	TV	OPO	1	3,917
E732046208	1/22/2012	12:05:00 AM	FAL-15	EBF	TV	OCO	60	50,100
E565524927	1/22/2012	12:05:00 AM	FAL-13	EBF	TV	OTR	1,067	71,591
E697798919	1/22/2012	12:05:00 AM	FAL-16	EBF	TV	OCO	450	459,450
E875219614	1/22/2012	1:43:00 AM	TOL-17	EBD	TV	OCO	129	203,949
E704240769	1/22/2012	1:44:44 AM	DUT-14	ECA	TV	OCO	25	37,257
E300064835	1/22/2012	1:46:36 AM	COT-16	EBD	TV	OCO	3	3,265
E043301238	1/22/2012	2:05:53 AM	HAP-16	EAA	TV	OCO	18	5,415
E381874753	1/22/2012	2:17:06 AM	SME-15	EBE	TV	OSV	1	733
E284892497	1/22/2012	2:29:29 AM	MWD-13	EBE	TV	OTR	1	931
E184534546	1/22/2012	4:11:04 AM	KWH-26	EBD	TV	OSV	4	1,396
E068800509	1/22/2012	5:37:21 AM	HWD-25	EBD	TV	OCO	15	23,290
E357109253	1/22/2012	5:57:09 AM	DUV-13	EBD	TV	OCO	81	46,401
E226789812	1/22/2012	6:16:13 AM	WOB-23	EAA	TV	OTF	5	538
E597088699	1/22/2012	6:39:55 AM	WAY-15	EBD	TV	OCO	61	41,180
E018076319	1/22/2012	6:43:04 AM	DUV-15	EBD	TV	OCO	19	10,202
E603714415	1/22/2012	7:20:38 AM	TIL-23	ECA	TV	OCO	25	79,512
E716242498	1/22/2012	7:27:26 AM	GAR-16	ECA	TV	OCO	65	78,497
E690999593	1/22/2012	7:30:29 AM	MAP-13	EBF	TV	OCO	34	49,964
E277448739	1/22/2012	7:39:25 AM	WLK-15	ECA	TV	OCO	35	127,245
E676524631	1/22/2012	7:42:18 AM	FRU-26	ECA	TV	OCR	75	55,928
E334199978	1/22/2012	7:48:32 AM	FWD-16	EBE	TV	OCO	14	22,435
E871361825	1/22/2012	8:01:57 AM	SNQ-18	EBD	TV	OCO	39	61,544
11033893	1/22/2012	8:11:00 AM	LAC-17	ECC	TV	OCO	1,813	170,422
E695609964	1/22/2012	8:13:47 AM	MST-27	EBI	TV	OCO	23	23,051
E108884799	1/22/2012	8:14:36 AM	CAP-15	ECC	TV	OTR	10	31,704
E284338720	1/22/2012	8:14:59 AM	SNQ-15	EBF	TV	OSV	1	1,965
E915505149	1/22/2012	8:18:40 AM	WIS-13	EBF	TV	OTF	5	1,707
E442438587	1/22/2012	8:28:27 AM	MST-27	EBI	TV	OFU	150	147,983
E625251026	1/22/2012	8:29:09 AM	VAS-22	EBL	TV	OCO	12	10,378

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E122200416	1/22/2012	8:30:34 AM	LLT-16	EBD	TV	OCO	5	4,002
E240350492	1/22/2012	8:37:07 AM	ROL-13	EBJ	TV	OCO	32	79,452
E185388297	1/22/2012	8:53:12 AM	PIK-23	EBF	TV	OCO	2	354
E245818134	1/22/2012	8:54:57 AM	BON-13	ECA	TV	OCO	49	62,810
E228772077	1/22/2012	8:57:26 AM	COT-15	EBD	TV	OSV	1	548
E812968771	1/22/2012	8:57:53 AM	MAN-15	ECD	TV	OSV	1	105
E900419794	1/22/2012	8:58:43 AM	VAS-12	EBL	TV	OCO	1	475
11029745	1/22/2012	9:09:00 AM	ROC-17	ECC	CP	OPO	1,422	2,181,348
E825025501	1/22/2012	9:42:20 AM	STA-16	EBJ	TV	OTF	52	24,215
E119647929	1/22/2012	9:54:33 AM	FAL-13	EBD	TV	OCO	3	5,236
E739622337	1/22/2012	9:57:47 AM	MWD-16	EBE	TV	OCO	7	2,179
E702256061	1/22/2012	10:05:48 AM	ALG-15	EAC	TV	OFU	5	375
E751207324	1/22/2012	10:13:04 AM	VAS-23	EBL	TV	OTR	50	23,098
E472933308	1/22/2012	10:13:12 AM	CHA-12	ECC	TV	OCO	19	14,892
E702027170	1/22/2012	10:23:39 AM	STW-16	ECA	TV	OCO	36	1,813
E750713748	1/22/2012	10:26:10 AM	FRU-22	ECA	TV	OCO	1	293
E262560150	1/22/2012	10:45:44 AM	BEL-23	EBJ	TV	OCO	53	26,757
E206754382	1/22/2012	10:46:55 AM	FWY-15	EBJ	TV	OCO	14	953
E481024484	1/22/2012	10:54:23 AM	SNQ-17	EBD	TV	OCO	1	1,686
E591938412	1/22/2012	10:58:13 AM	MHT-15	EBJ	TV	OSV	8	1,678
E260242567	1/22/2012	11:05:03 AM	VAS-13	EBL	TV	OCO	15	4,979
E809215716	1/22/2012	11:09:41 AM	VAS-22	EBL	TV	OCO	9	4,764
E424048719	1/22/2012	11:16:18 AM	DGR-15	ECA	TV	OCO	3	8,171
E870978755	1/22/2012	11:35:17 AM	RIT-18	EAC	EF	OCO	5	1,294
E743072370	1/22/2012	11:37:47 AM	JUA-14	EBD	TV	OCO	49	13,045
E489267494	1/22/2012	11:44:23 AM	SWE-23	EBJ	TV	OPO	46	27,628
E334525944	1/22/2012	11:47:49 AM	MWW-16	EBJ	TV	OCO	149	232,765
E191201501	1/22/2012	12:03:27 PM	TIL-22	ECA	TV	OCO	6	9,795
E488496054	1/22/2012	12:17:44 PM	SNQ-16	EBD	TV	OSV	1	162
E020475905	1/22/2012	12:27:43 PM	ALG-15	EAA	TF	OHR	50	314
E058607600	1/22/2012	12:39:24 PM	WAY-13	EBD	TV	OSV	1	336
E512749412	1/22/2012	12:45:18 PM	SIL-15	ECD	TV	OCO	40	18,988
E819399333	1/22/2012	12:55:40 PM	FWY-15	EBJ	TV	OCO	65	105,132
E558248259	1/22/2012	12:58:07 PM	RIT-16	EAC	TV	OJU	20	1,203
E244810779	1/22/2012	12:59:59 PM	EGT-11	EBE	TV	OSV	2	3,280
11033853	1/22/2012	1:01:00 PM	TLN-0259	EBD	TV	OCO	7,408	96,304
E858954810	1/22/2012	1:08:43 PM	HOL-15	ECA	TV	OCO	10	5,783
E882581404	1/22/2012	1:16:51 PM	MCA-15	ECC	TV	OPO	186	854,884
E616269890	1/22/2012	1:28:09 PM	LON-23	ECC	TV	OCO	35	161,765
E631347556	1/22/2012	2:02:41 PM	CHI-12	ECD	TV	OCO	260	75,755
E787031958	1/22/2012	2:15:28 PM	WIS-12	EBF	TV	UPC	100	256,953
E854344595	1/22/2012	2:34:39 PM	HWD-26	EBD	TV	OCO	34	6,608
E503466448	1/22/2012	2:35:49 PM	DGR-16	ECA	TV	OTR	4	6,817
E439516318	1/22/2012	2:40:29 PM	COT-13	EBD	TV	OCO	5	408
11032952	1/22/2012	2:54:00 PM	TLN-0012	EBD	TV	OCO	423	16,074
E963529512	1/22/2012	2:58:09 PM	HOL-13	ECA	TV	OCO	3	1,947
E416208615	1/22/2012	2:59:29 PM	ASB-17	EBJ	TV	OCO	53	211,232
E239380409	1/22/2012	3:00:24 PM	MWD-15	EBE	TV	OCO	20	2,292
E833482103	1/22/2012	3:08:19 PM	HOL-12	ECA	TV	OCO	3	6,116

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E848228935	1/22/2012	3:10:37 PM	SWE-23	EBJ	TV	OCO	19	84,633
E370672751	1/22/2012	3:32:53 PM	SOM-17	EBE	TV	OCO	1	385
E566199407	1/22/2012	3:33:00 PM	SIN-25	ECD	TV	OCR	125	78,375
E018988313	1/22/2012	3:33:03 PM	TIL-25	ECA	TV	OSV	6	25,452
E597888006	1/22/2012	3:33:51 PM	KEN-12	EAA	TV	OFU	100	11,493
E271535415	1/22/2012	3:33:59 PM	PIN-27	EBF	TV	OCO	6	1,596
E468506802	1/22/2012	3:36:15 PM	OBY-16	ECC	TV	OCO	68	229,007
E055478305	1/22/2012	3:44:31 PM	NLM-16	EAC	TV	OCO	100	7,577
E988833456	1/22/2012	3:50:43 PM	DUV-15	EBD	TV	OCO	5	716
E704478945	1/22/2012	3:59:38 PM	DUV-13	EBD	TV	OCO	8	5,539
E622417648	1/22/2012	4:05:46 PM	BEL-13	EBJ	TV	OCO	1	279
E447351360	1/22/2012	4:09:49 PM	TOL-15	EBD	EO	OFU	19	2,150
E879266089	1/22/2012	4:10:02 PM	SME-12	EBE	TV	OCO	6	1,320
E216613573	1/22/2012	4:10:07 PM	17-Dec	ECC	TV	OCO	20	60,118
E165774496	1/22/2012	4:12:58 PM	MHT-15	EBJ	TV	OSV	25	101,176
E251735722	1/22/2012	4:15:04 PM	FAL-15	EBF	TV	OCO	323	967,363
E205415176	1/22/2012	4:16:35 PM	WCA-17	EBJ	TV	OCO	232	911,393
E151671880	1/22/2012	4:21:21 PM	ASB-13	EBJ	TV	OSV	1	1,327
E719061493	1/22/2012	4:22:36 PM	SEM-15	EAA	TV	OTR	163	33,478
E585570193	1/22/2012	4:28:10 PM	LAT-14	EBJ	TV	OCO	42	15,197
E974383619	1/22/2012	4:30:08 PM	BLU-13	ECC	TV	OCO	30	94,946
E800752764	1/22/2012	4:33:00 PM	VAS-13	EBL	SO	OTR	1	1,182
E432839936	1/22/2012	4:33:06 PM	FRG-24	ECC	TV	OCO	52	54,439
E112837050	1/22/2012	4:33:46 PM	CAM-26	EBJ	TV	OCO	527	177,195
E686332768	1/22/2012	4:38:10 PM	HAZ-16	EBE	TV	OSV	1	1,593
E845870166	1/22/2012	4:42:17 PM	SIL-13	ECE	TV	OCO	250	29,679
E981566079	1/22/2012	4:42:25 PM	FAL-13	EBF	TV	OCO	103	153,736
E798536700	1/22/2012	5:04:37 PM	RDO-13	EBJ	TV	OCO	26	70,470
E274163257	1/22/2012	5:06:00 PM	FAL-16	EBF	TV	OCO	238	91,868
E561496982	1/22/2012	5:31:38 PM	SLA-16	EAA	TV	OFU	30	7,995
E573659339	1/22/2012	5:36:56 PM	LAT-17	EBJ	TV	OCO	217	942,445
E063026296	1/22/2012	5:50:25 PM	VAS-22	EBL	TV	OCO	1	264
E238700092	1/22/2012	5:57:18 PM	HWD-26	EBD	TV	OFU	18	4,189
E863406201	1/22/2012	6:06:56 PM	ROC-15	ECC	TV	OCO	96	385,254
E197206087	1/22/2012	6:08:11 PM	POU-16	ECE	TV	OSV	1	381
E818970851	1/22/2012	6:15:01 PM	STW-16	ECA	TV	OCO	1	252
E115571158	1/22/2012	6:16:34 PM	HAN-16	EAA	EF	OTF	1	281
E631459617	1/22/2012	6:33:34 PM	MHT-13	EBJ	TV	OCO	40	45,457
E665069249	1/22/2012	6:50:26 PM	CED-15	ECA	TV	UTR	100	159,757
E919903745	1/22/2012	7:18:16 PM	DUV-15	EBD	TV	OCO	3	1,295
E311203913	1/22/2012	7:18:16 PM	PGA-13	ECE	TV	OCO	2	2,133
E847665884	1/22/2012	7:48:25 PM	VAS-23	EBL	TV	OTF	3	719
E541131157	1/22/2012	7:52:42 PM	CHI-12	ECD	TV	OCO	86	68,306
E637498498	1/22/2012	8:06:41 PM	BAR-16	ECC	TV	OCO	46	128,493
E705264578	1/22/2012	8:13:55 PM	MAP-15	EBF	TV	OCO	22	27,414
E220018124	1/22/2012	8:14:05 PM	SME-12	EBE	EF	OCO	20	6,418
E116727513	1/22/2012	8:18:02 PM	CTR-21	EBJ	TV	OCO	1	2,982
E429814707	1/22/2012	8:24:31 PM	SWI-13	ECC	TV	OCO	39	116,044
E029621847	1/22/2012	8:38:00 PM	LMC-25	EBF	TV	OPO	25	20,050

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E974616704	1/22/2012	8:38:00 PM	LMC-23	EBF	TV	OTR	20	18,740
E546863931	1/22/2012	8:38:00 PM	LMC-25	EBE	TV	OCO	1	937
E070651796	1/22/2012	8:38:00 PM	LMC-26	EBF	TV	OCO	4	3,748
E892363700	1/22/2012	8:49:30 PM	DUV-12	EBD	TV	OCO	9	5,450
E491877137	1/22/2012	8:58:54 PM	GRI-13	ECC	TV	OCO	85	74,554
E517730040	1/22/2012	9:15:40 PM	SCH-15	EAA	EF	OTF	1	150
E300162842	1/22/2012	9:17:31 PM	BEL-16	EBJ	TV	OFU	523	430,159
E769209822	1/22/2012	9:29:59 PM	MWD-13	EBE	TV	OCO	8	2,864
E765289544	1/22/2012	9:35:16 PM	WAU-26	EBJ	TV	OCO	7	17,813
E362229076	1/22/2012	9:35:21 PM	AVO-13	EBD	TV	OTF	2	1,669
E738996298	1/22/2012	10:00:00 PM	PHA-13	EBE	TV	OCO	6	6,120
E524337006	1/22/2012	10:03:28 PM	PLU-25	ECC	TV	OCO	30	75,496
E645066326	1/22/2012	10:18:37 PM	HOB-15	EBI	TV	OCO	9	903
E004186382	1/22/2012	10:21:03 PM	HWD-26	EBD	TV	OCO	28	3,723
E685866149	1/22/2012	10:22:18 PM	LWS-13	EBI	TV	CDH	6	4,186
E891467959	1/22/2012	10:49:01 PM	LAT-15	EBJ	TV	OCN	1	4,811
E433223767	1/22/2012	10:50:48 PM	CAP-13	ECC	TV	OTR	15	18,333
E322583224	1/22/2012	11:02:35 PM	PIN-25	EBF	TV	OTR	5	4,287
E563401570	1/22/2012	11:12:31 PM	SOO-25	EBJ	TV	OCO	1	1,247
E383538699	1/22/2012	11:19:30 PM	BAR-17	ECC	TV	OCO	38	52,801
E040452499	1/22/2012	11:31:01 PM	LAC-17	ECC	TV	OTR	150	418,347
E286778630	1/22/2012	11:34:55 PM	WIS-14	EBF	TV	UPC	10	6,251
E063905676	1/22/2012	11:47:23 PM	CHA-13	ECC	TV	OCO	2	2,303
E559795779	1/22/2012	11:57:46 PM	LAT-14	EBJ	TV	OCO	23	31,331
E534067553	1/23/2012	12:10:55 AM	PLG-13	ECC	TV	OCO	3	2,511
E197733043	1/23/2012	12:13:48 AM	FCH-24	ECA	TV	OCO	12	914
E246613891	1/23/2012	12:19:56 AM	PAT-15	ECC	TV	OCO	200	476,013
E263619302	1/23/2012	12:40:52 AM	SLA-17	EAA	EF	USV	1	183
E812506409	1/23/2012	12:41:39 AM	PAT-13	ECC	TV	OCO	143	197,108
E299915884	1/23/2012	1:03:38 AM	FRA-15	ECD	TV	OCO	14	7,929
E926751132	1/23/2012	1:07:33 AM	WOL-25	ECC	TV	OTF	23	11,717
E415731964	1/23/2012	1:15:05 AM	MOT-14	ECC	TV	OCO	138	305,212
E636069382	1/23/2012	2:43:39 AM	GRI-15	ECC	TV	OCO	7	3,740
E492093836	1/23/2012	3:10:57 AM	KNT-37	EBJ	TV	OCO	269	96,584
E236648827	1/23/2012	3:17:27 AM	STW-15	ECA	TV	UPC	16	21,534
E854016534	1/23/2012	3:22:56 AM	CUM-13	EBI	TV	OFU	73	68,406
E315984492	1/23/2012	4:24:42 AM	LMD-13	EBJ	TV	OCO	1	1,735
E378511119	1/23/2012	4:28:02 AM	NOP-26	EBJ	TV	OCO	156	193,607
E542107756	1/23/2012	4:36:44 AM	LAC-13	ECC	TV	OCO	265	103,951
E270043758	1/23/2012	5:09:03 AM	KNT-33	EBJ	TV	OCO	159	273,631
E723476936	1/23/2012	5:09:23 AM	SMR-26	ECA	TV	OCO	5	703
E182767194	1/23/2012	5:11:27 AM	LAC-15	ECC	TV	OCO	20	32,171
E574170177	1/23/2012	5:37:41 AM	PAT-17	ECC	TV	OCO	91	77,015
E233949681	1/23/2012	5:42:30 AM	GRV-13	ECA	TV	OCO	2	1,264
E016171076	1/23/2012	5:48:37 AM	WOD-13	EBH	TV	OCO	142	53,162
E118416731	1/23/2012	5:50:58 AM	SKY-23	EBD	TV	OTF	2	730
E469204049	1/23/2012	5:53:46 AM	MCA-16	ECC	TV	OCO	22	45,589
E230785739	1/23/2012	6:27:04 AM	UHL-25	EBD	TV	UTC	3	819
E040310864	1/23/2012	6:28:43 AM	ORC-17	EBJ	TV	OCO	56	29,248

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E472967985	1/23/2012	6:28:53 AM	HOB-15	EBI	TV	OCO	57	104,374
E557066543	1/23/2012	6:34:16 AM	BDI-15	EBI	TV	OCO	15	30,986
E306352092	1/23/2012	6:52:42 AM	COT-13	EBD	TV	OFC	3	814
E025219386	1/23/2012	6:54:36 AM	ROC-17	ECC	TV	OPO	36	124,394
11030345	1/23/2012	7:09:00 AM	LON-23	ECC	CP	OPO	20	13,360
E016223695	1/23/2012	7:19:00 AM	LLT-16	EBD	TV	OCO	2	1,222
E004305848	1/23/2012	7:22:16 AM	LLT-15	EBD	TV	OSV	2	1,351
E042524693	1/23/2012	7:22:32 AM	FCH-24	ECA	TV	OSV	1	3,239
E890498738	1/23/2012	7:25:28 AM	FWD-15	EBJ	TV	UTC	2	6,619
E709005758	1/23/2012	7:58:45 AM	TOL-17	EBD	TV	OCO	11	5,844
E893445486	1/23/2012	7:59:33 AM	ROC-25	ECC	TV	OCO	8	6,964
E470883161	1/23/2012	8:02:28 AM	GRV-12	ECA	TV	OTF	20	8,696
E307050231	1/23/2012	8:06:32 AM	SEQ-13	EBI	TV	OCO	1	2,128
E232344307	1/23/2012	8:16:54 AM	PHA-13	EBE	TV	OCO	12	13,429
E531862831	1/23/2012	8:20:37 AM	HWD-26	EBD	TV	UOT	7	6,233
E461699907	1/23/2012	8:24:32 AM	ENU-15	EBI	TV	OFC	6	8,493
E248795220	1/23/2012	8:37:51 AM	GRV-16	ECA	TV	OCO	2	5,296
E901470990	1/23/2012	8:43:34 AM	GWR-13	EBI	TV	OSV	6	1,239
E706573630	1/23/2012	8:53:48 AM	DUV-12	EBD	TV	OCO	3	739
E412882724	1/23/2012	9:05:31 AM	VAS-23	EBL	TV	OSV	1	468
E522588643	1/23/2012	9:07:46 AM	VAS-22	EBL	TV	OSV	4	1,017
E961759406	1/23/2012	9:24:20 AM	UHL-22	EBD	TV	OCO	4	1,963
E840827268	1/23/2012	9:24:22 AM	PIN-27	EBF	TV	OSV	4	347
E722476461	1/23/2012	9:34:49 AM	MAP-13	EBF	TV	OCO	9	5,087
E318650741	1/23/2012	9:35:07 AM	HOL-13	ECA	TV	OSV	1	1,550
E438594362	1/23/2012	9:38:57 AM	ORT-25	ECA	TV	OCO	15	48,256
E801613181	1/23/2012	9:42:29 AM	KLA-15	EBD	TV	OCO	15	3,263
E950440402	1/23/2012	9:42:43 AM	RHO-13	ECA	TV	OSV	1	1,997
E919002758	1/23/2012	9:48:45 AM	WOL-23	ECC	TV	OCO	35	21,359
E697620958	1/23/2012	9:52:12 AM	MOT-16	ECC	TV	UPS	1	1,208
E268823125	1/23/2012	9:54:00 AM	TAN-16	ECC	TV	OCO	31	83,886
E372617207	1/23/2012	9:56:59 AM	PCR-13	EBE	TV	OSV	16	52,368
E746293382	1/23/2012	9:58:58 AM	KNT-37	EBJ	TV	OCO	281	531,380
E880363101	1/23/2012	10:00:22 AM	STW-13	ECA	TV	OSV	1	1,020
E042320579	1/23/2012	10:09:03 AM	EDG-15	ECA	EF	UPC	1	2,391
E547960590	1/23/2012	10:10:56 AM	BTN-36	EAC	TV	OFU	1	55
E120481344	1/23/2012	10:14:56 AM	FAL-16	EBF	TV	OCO	2	350
E936318871	1/23/2012	10:22:28 AM	LWS-13	EBI	TV	OCO	19	6,413
E526768621	1/23/2012	10:28:37 AM	SMR-26	ECA	TV	OTR	2	3,183
E421970166	1/23/2012	10:32:20 AM	FRU-22	ECA	TV	OSV	1	148
E941333155	1/23/2012	10:35:04 AM	FNW-15	ECD	TV	OSV	2	480
11029721	1/23/2012	10:36:14 AM	LAC-13	ECC	EF	USV	1	119
11028476	1/23/2012	10:53:00 AM	FLD-12	EAD	EF	USV	1	427
E612957376	1/23/2012	10:54:37 AM	WOL-25	ECC	TV	OCO	24	14,889
E403538724	1/23/2012	10:58:42 AM	NHL-17	EBD	TV	OCO	298	440,533
E562354379	1/23/2012	11:02:10 AM	PIK-23	EBF	TV	OSV	3	1,503
E090792275	1/23/2012	11:03:43 AM	PIK-24	EBF	TV	OCO	2	1,321
E662709857	1/23/2012	11:17:02 AM	WCA-16	EBJ	TV	OCO	13	36,179
E789672133	1/23/2012	11:21:03 AM	BEL-16	EBJ	TV	UTC	285	202,501

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E114891660	1/23/2012	11:30:40 AM	LMC-25	EBF	TV	OSV	1	44
E038818253	1/23/2012	11:34:14 AM	AVO-17	EBD	TV	OTF	1	206
E848131289	1/23/2012	11:34:58 AM	HWD-25	EBD	TV	OCO	2	2,450
E111628911	1/23/2012	11:35:05 AM	LAC-13	ECC	TV	OCO	120	73,790
E076143544	1/23/2012	11:36:00 AM	GRI-13	ECC	TV	OCO	5	1,470
E540380746	1/23/2012	11:37:17 AM	STA-16	EBJ	TV	OCO	181	585,122
E792712122	1/23/2012	11:43:03 AM	LLT-17	EBD	TV	OCO	22	3,871
E346128783	1/23/2012	11:49:15 AM	HEM-17	ECA	TV	UPT	62	79,691
E770620509	1/23/2012	11:49:17 AM	HEM-16	ECA	TV	OTF	1	599
E925031724	1/23/2012	11:51:35 AM	STW-16	ECA	TV	OCO	1	747
E987142107	1/23/2012	11:57:39 AM	SLA-16	EAA	EF	USV	1	297
E215274196	1/23/2012	11:58:17 AM	GOO-13	EBF	TV	OTR	1	706
E708980056	1/23/2012	12:01:07 PM	WAY-15	EBD	TV	OCO	3	1,974
E711839355	1/23/2012	12:04:57 PM	SWE-25	EBJ	TV	OCO	72	78,874
E486074046	1/23/2012	12:08:57 PM	SKY-25	EBD	TV	OTR	8	408
E668176154	1/23/2012	12:27:51 PM	CHA-15	ECC	TV	OCO	172	253,210
E276324709	1/23/2012	12:28:14 PM	LMD-16	EBJ	TV	OCO	33	60,283
E222489955	1/23/2012	12:31:08 PM	KNM-27	EBD	TV	OCO	6	713
E722765816	1/23/2012	12:33:03 PM	CHA-16	ECC	TV	OCO	17	5,133
E241604601	1/23/2012	1:12:55 PM	CAM-23	EBJ	TV	OSV	22	66,596
E837138145	1/23/2012	1:16:25 PM	BON-17	ECA	TV	OCO	4	2,098
E744742856	1/23/2012	1:19:52 PM	CHI-12	ECD	TV	OSV	3	834
E125004340	1/23/2012	1:23:34 PM	STW-12	ECA	TV	OCO	1	1,241
E959680656	1/23/2012	1:23:51 PM	WOO-26	ECA	TV	OCO	1	635
E731561898	1/23/2012	1:48:37 PM	MST-27	EBI	TV	OCO	16	4,982
E762860677	1/23/2012	1:53:12 PM	SKY-23	EBD	TV	OTF	1	133
E690546557	1/23/2012	1:56:59 PM	MWW-16	EBJ	TV	OFU	10	4,230
E034040406	1/23/2012	2:13:26 PM	KNT-35	EBJ	TV	OFU	1	287
E585114443	1/23/2012	2:15:53 PM	PLG-13	ECC	TV	OCO	25	12,803
E284745517	1/23/2012	2:30:46 PM	SHD-18	EBI	TV	OCO	1	1,634
E244200140	1/23/2012	2:31:49 PM	LEA-13	EBI	TV	OCO	101	275,547
E433986741	1/23/2012	2:31:49 PM	LEA-13	EBI	TV	OCO	60	89,646
E507684490	1/23/2012	2:37:47 PM	FRG-24	ECC	TV	OCO	10	19,242
E046152211	1/23/2012	2:44:41 PM	ASB-13	EBJ	TV	OSV	25	64,008
E773973108	1/23/2012	2:47:26 PM	SNQ-13	EBF	TV	OCO	31	34,180
E973652840	1/23/2012	2:47:32 PM	FCR-11	EBI	TV	OTF	33	14,271
E060685328	1/23/2012	2:54:14 PM	DUV-13	EBD	TV	OCR	7	10,330
E067114281	1/23/2012	2:55:11 PM	WAU-22	EBI	TV	OSV	41	59,237
E006155607	1/23/2012	3:00:11 PM	SNQ-13	EBD	TV	OCO	1	826
E753931709	1/23/2012	3:07:24 PM	BON-16	ECA	TV	OCO	527	1,260,900
E150120653	1/23/2012	3:10:37 PM	MST-23	EBI	TV	OCO	167	489,207
E879970442	1/23/2012	3:10:49 PM	KCR-15	EBJ	TV	OCO	3	9,088
E629904690	1/23/2012	3:13:53 PM	TAN-15	ECC	TV	PTF	37	51,360
E082141706	1/23/2012	3:22:43 PM	COT-13	EBD	TV	OCN	7	9,025
E399796006	1/23/2012	3:24:21 PM	PIN-26	EBF	TV	OSV	2	2,013
E853572247	1/23/2012	3:26:41 PM	MHT-13	EBJ	TV	OCO	81	235,979
E602169371	1/23/2012	3:32:04 PM	STA-16	EBJ	TV	OCO	5	9,140
E173622868	1/23/2012	3:40:15 PM	LWS-14	EBJ	TV	OSV	3	5,369
E438130270	1/23/2012	3:50:18 PM	KLA-15	EBF	TV	OCO	36	15,716

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E562895696	1/23/2012	3:55:10 PM	BON-15	ECA	TV	OCO	1	492
E157232352	1/23/2012	3:55:27 PM	GRV-12	ECA	TV	OCO	1	215
E105760570	1/23/2012	3:56:35 PM	COT-16	EBD	TV	OSV	3	2,497
E602085372	1/23/2012	4:03:54 PM	DES-15	EBJ	TV	OCO	13	36,999
E993886502	1/23/2012	4:37:54 PM	HAM-15	EAC	TV	OCO	65	7,413
E195405382	1/23/2012	4:40:30 PM	RDO-16	EBJ	TV	OCO	9	716
E552424588	1/23/2012	4:41:56 PM	LMC-27	EBF	TV	OJU	4	1,944
E789605913	1/23/2012	4:49:41 PM	LMC-25	EBF	TV	OCO	9	3,027
E035321902	1/23/2012	4:54:09 PM	DUV-15	EBD	TV	OCO	1	383
E995484189	1/23/2012	4:54:31 PM	CHA-12	ECC	TV	OCO	1	1,640
E666368885	1/23/2012	4:58:07 PM	NBE-13	EBF	TV	OCN	2	1,008
E336739398	1/23/2012	5:04:56 PM	OSC-22	EBI	TV	OCO	1	1,705
E121917781	1/23/2012	5:05:24 PM	TOL-15	EBD	TV	OSV	9	7,025
E098543595	1/23/2012	5:06:47 PM	LAT-16	EBJ	TV	OTF	3	5,230
E504119902	1/23/2012	5:11:17 PM	ZEN-25	EBJ	TV	OSV	1	1,164
E957546871	1/23/2012	5:15:48 PM	WAB-13	EBI	TV	OCO	23	21,257
E598632295	1/23/2012	5:46:21 PM	FAL-13	EBF	TV	OCO	26	6,673
E819310339	1/23/2012	5:49:37 PM	SWI-16	ECC	TV	OCO	18	2,419
E081166274	1/23/2012	5:51:45 PM	GLC-15	EBJ	TV	OCO	1	208
E154060674	1/23/2012	5:58:09 PM	MCA-13	ECC	TV	UTR	144	184,442
E485886405	1/23/2012	6:06:57 PM	CHA-16	ECC	TV	OFU	36	14,834
E014341629	1/23/2012	6:14:56 PM	FWD-17	EBJ	TV	OSV	1	586
E854413028	1/23/2012	6:14:56 PM	FWD-17	EBJ	TV	OFU	55	60,944
E040097855	1/23/2012	6:18:35 PM	JUA-14	EBD	TV	OCO	98	12,487
E309615807	1/23/2012	6:23:04 PM	WIS-14	EBF	TV	OCO	10	10,569
11029515	1/23/2012	6:27:00 PM	ROL-16	EBJ	EF	USV	1	120
E249680354	1/23/2012	6:34:55 PM	MVW-15	EBJ	TV	OCO	43	50,099
E590170216	1/23/2012	6:53:21 PM	PIN-25	EBF	TV	OCO	4	4,007
E984840457	1/23/2012	6:56:43 PM	ENU-18	EBI	TV	OCO	15	20,149
E847457820	1/23/2012	6:59:15 PM	MST-23	EBJ	TV	OCO	8	12,486
E808957789	1/23/2012	7:01:15 PM	CHA-13	ECC	TV	OCO	46	60,663
E876166884	1/23/2012	7:01:22 PM	LWS-16	EBI	TV	OCO	34	85,634
E975657169	1/23/2012	7:10:01 PM	CUM-13	EBI	TV	OCO	5	6,625
E553938817	1/23/2012	7:13:03 PM	LWS-12	EBI	TV	OCO	17	24,258
E591642706	1/23/2012	7:20:20 PM	VAS-13	EBL	TV	OSV	1	237
E515287959	1/23/2012	7:23:17 PM	HAW-12	ECC	TV	UFJ	148	157,750
E913859586	1/23/2012	7:25:21 PM	LEA-17	EBI	TV	OPO	12	11,576
E238132011	1/23/2012	7:42:18 PM	FRA-16	ECD	EF	UPC	15	3,991
E619313613	1/23/2012	7:45:11 PM	PAT-17	ECC	TV	UPT	42	66,142
E447164474	1/23/2012	7:48:17 PM	CAP-13	ECC	TV	OCO	6	112
E665820506	1/23/2012	7:57:22 PM	BAR-15	ECC	TV	OCO	3	620
E707470524	1/23/2012	8:22:30 PM	BEL-17	EBJ	TV	OSV	1	1,298
E964734819	1/23/2012	8:30:21 PM	SOO-23	EBI	TV	UTC	62	31,908
E496097645	1/23/2012	8:38:06 PM	WOL-23	ECC	TV	OSV	20	20,598
E121172536	1/23/2012	8:39:33 PM	SOO-25	EBI	TV	OCO	4	2,018
E059963366	1/23/2012	8:41:18 PM	MVW-17	EBJ	TV	UTR	49	71,476
E441008955	1/23/2012	8:55:25 PM	LON-25	ECC	TV	OFU	80	184,767
E926180896	1/23/2012	9:01:10 PM	SNQ-17	EBF	TV	UPC	7	9,582
E274809447	1/23/2012	9:47:23 PM	LUH-14	ECC	TV	OCO	8	8,261

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E489480960	1/23/2012	9:59:23 PM	LMC-26	EBF	TV	OCO	1	195
E670059496	1/23/2012	10:42:15 PM	NHL-15	EBD	TV	OCO	188	114,069
E483746579	1/23/2012	10:43:38 PM	NHL-13	EBD	CP	OPO	2,619	216,951
E158173848	1/23/2012	10:46:13 PM	FAL-13	EBF	EF	UEL	51	43,333
E737222404	1/23/2012	10:48:28 PM	CAP-13	ECC	TV	OFU	21	13,955
E395268433	1/23/2012	11:26:04 PM	SEQ-16	EBJ	TV	OCO	12	947
E062864304	1/23/2012	11:30:56 PM	FCR-11	EBI	EF	UPT	16	15,345
E430490685	1/24/2012	12:04:00 AM	QUI-26	ECF	TV	OCO	65	55,450
E010200833	1/24/2012	12:15:58 AM	RIT-16	EAC	EF	OCO	1,586	85,277
E362096862	1/24/2012	12:29:20 AM	BAR-13	ECC	TV	UPT	13	35,889
E785407786	1/24/2012	12:50:33 AM	PEA-15	EBJ	TV	OCO	6	6,417
E904885126	1/24/2012	1:03:58 AM	GLC-15	EBJ	TV	OCO	3	3,318
E507223278	1/24/2012	1:04:24 AM	KLA-15	EBD	TV	OCO	36	22,918
E621061060	1/24/2012	1:18:22 AM	MED-36	EBE	TV	UPC	75	68,616
E459673591	1/24/2012	1:32:17 AM	SEQ-16	EBJ	TV	OCO	11	11,910
E481251132	1/24/2012	1:49:09 AM	BAR-17	ECC	TV	OCO	33	31,425
E830014973	1/24/2012	1:55:09 AM	JHO-12	ECC	TV	OCO	68	4,410
E874992249	1/24/2012	2:37:23 AM	HEM-15	ECA	TV	OCO	2	4,125
E699248769	1/24/2012	3:04:32 AM	WOL-25	ECC	TV	OSV	5	5,427
E596841649	1/24/2012	4:31:26 AM	MIR-15	EBF	TV	OSV	59	26,465
E093483392	1/24/2012	5:26:18 AM	ELD-27	ECC	TV	OCO	31	29,813
E598278207	1/24/2012	5:37:16 AM	RHO-15	ECA	TV	OPO	14	8,158
E334499066	1/24/2012	5:45:03 AM	CUS-13	EAA	TV	OFU	42	3,652
E291292777	1/24/2012	5:47:57 AM	SOO-23	EBI	TV	PTF	115	43,591
E484007511	1/24/2012	5:55:28 AM	FWY-11	EBJ	TV	OSV	271	480,899
E808131296	1/24/2012	6:02:56 AM	SOO-25	EBI	TV	OSV	2	1,174
E454697537	1/24/2012	6:14:51 AM	CED-15	ECA	TV	OCO	17	10,934
E430135452	1/24/2012	6:17:55 AM	SBE-26	EBE	TV	OSV	6	1,423
E490243897	1/24/2012	6:29:37 AM	SOO-27	EBJ	TV	OCO	3	1,546
E617691713	1/24/2012	6:34:12 AM	WAY-12	EBD	TV	OCO	843	43,667
E543247569	1/24/2012	6:34:52 AM	RHO-16	ECA	TV	OCO	4	2,021
E878565403	1/24/2012	6:48:24 AM	SOU-23	EBJ	TV	OCO	9	15,494
E141251156	1/24/2012	6:55:45 AM	KLA-15	EBF	TV	OSV	9	2,063
E071810737	1/24/2012	7:00:35 AM	ENU-17	EBI	TV	OCO	2	859
E385190583	1/24/2012	7:10:36 AM	SEQ-22	EBI	TV	OCO	15	11,166
E953256177	1/24/2012	7:15:23 AM	FCR-13	EBI	TV	OCO	1	495
E858652159	1/24/2012	7:23:53 AM	BON-17	ECA	TV	OCO	1	744
E077836257	1/24/2012	7:27:07 AM	LLT-17	EBD	TV	OSV	3	921
E588965996	1/24/2012	7:32:24 AM	CHA-16	ECC	TV	OSV	3	6,137
E431657334	1/24/2012	7:34:22 AM	PHA-16	EBE	TV	OCO	6	2,182
E158874361	1/24/2012	7:43:20 AM	LWS-14	EBI	TV	OCO	4	2,467
E651456280	1/24/2012	7:48:39 AM	ROL-13	EBJ	TV	OCO	6	1,568
E916284139	1/24/2012	7:50:31 AM	ORC-17	EBJ	TV	OCO	9	14,305
E776472679	1/24/2012	7:57:05 AM	FAC-25	EBE	TV	OSV	2	484
E519442002	1/24/2012	8:01:34 AM	SKY-23	EBD	TV	OSV	5	952
E995136452	1/24/2012	8:02:45 AM	YEL-25	ECC	TV	OCO	150	283,088
E291503133	1/24/2012	8:02:59 AM	LAC-13	ECC	TV	UPT	20	39,640
E643855405	1/24/2012	8:07:49 AM	TOL-15	EBD	TV	OSV	1	102
E405083134	1/24/2012	8:09:50 AM	GRI-13	ECC	TV	OCO	407	324,040

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E063882867	1/24/2012	8:10:58 AM	EVA-27	EBJ	TV	OCO	6	2,514
E436542343	1/24/2012	8:12:52 AM	YEL-26	ECC	TV	OCO	49	105,210
E996998691	1/24/2012	8:13:23 AM	EDG-12	ECA	TV	OCO	7	2,272
E104679537	1/24/2012	8:19:30 AM	BEL-13	EBJ	TV	OTR	34	19,329
E343765796	1/24/2012	8:19:43 AM	PRE-12	EBE	TV	OCO	5	1,371
E075070430	1/24/2012	8:22:01 AM	BEL-16	EBJ	TV	OCO	74	83,693
E706181652	1/24/2012	8:25:47 AM	SEQ-22	EBJ	TV	OCO	5	3,346
11028398	1/24/2012	8:30:30 AM	LLS-17	EAA	TV	OCO	50	824
E888259812	1/24/2012	8:30:52 AM	LLT-16	EBD	TV	OCO	4	1,049
E457968306	1/24/2012	8:32:22 AM	ROL-17	EBJ	TV	OCO	5	3,138
E999321680	1/24/2012	8:37:31 AM	SHA-15	ECA	TV	OCO	2	2,785
E504027861	1/24/2012	8:44:33 AM	SEQ-13	EBJ	TV	OCO	5	3,252
E173368401	1/24/2012	8:45:47 AM	SPA-16	ECA	TV	OCO	1	1,070
E778324370	1/24/2012	8:47:00 AM	RDO-16	EBJ	TV	OCO	8	2,504
E487636828	1/24/2012	8:47:06 AM	BUC-15	ECA	TV	UPT	10	5,389
E493583232	1/24/2012	9:00:30 AM	HOL-15	ECA	TV	OCO	1	100
E630034308	1/24/2012	9:02:53 AM	SNQ-13	EBF	TV	OCO	19	31,865
E568341369	1/24/2012	9:08:16 AM	VAS-23	EBL	EF	OTR	10	5,607
E234234731	1/24/2012	9:09:50 AM	MAP-13	EBF	TV	OCO	6	8,641
E175690431	1/24/2012	9:10:30 AM	WOO-26	ECA	TV	OSV	1	335
E389025571	1/24/2012	9:16:43 AM	NBE-16	EBF	TV	OSV	7	3,285
E795513379	1/24/2012	9:22:17 AM	MST-25	EBI	TV	OPO	52	95,561
E856564593	1/24/2012	9:23:35 AM	UHL-25	EBD	TV	UOT	1	596
E767662198	1/24/2012	9:37:55 AM	FWD-17	EBJ	TV	OCO	30	4,743
E243607422	1/24/2012	9:40:16 AM	ENU-16	EBI	TV	OCO	1	460
E552438807	1/24/2012	9:51:21 AM	BUC-26	ECA	TV	OCO	5	2,358
E962540125	1/24/2012	9:53:06 AM	PLG-13	ECC	TV	OCO	11	7,644
E223358627	1/24/2012	9:57:33 AM	WLS-16	EAC	EF	USV	1	848
E173643854	1/24/2012	9:58:08 AM	PAN-13	EBJ	TV	OCO	4	5,847
E276999551	1/24/2012	10:04:32 AM	SWA-12	EAD	EF	OFU	13	422
E335695273	1/24/2012	10:08:18 AM	ROL-16	EBJ	TV	OFU	9	4,965
E011898677	1/24/2012	10:11:52 AM	MST-26	EBI	TV	OCO	98	175,237
E756710810	1/24/2012	10:14:20 AM	LAT-14	EBJ	TV	OCO	55	104,812
E090665077	1/24/2012	10:29:43 AM	NNO-12	EBJ	TV	OCO	20	30,006
E752614337	1/24/2012	10:39:31 AM	ROS-15	EBD	TV	OCO	17	14,628
E353057048	1/24/2012	10:41:05 AM	GBK-15	EAD	TV	CDH	4	1,516
E592362396	1/24/2012	10:42:53 AM	SEQ-17	EBJ	TV	OPI	3	1,596
E297926627	1/24/2012	10:54:37 AM	HEM-17	ECA	TV	OCO	6	122
E557460907	1/24/2012	10:59:41 AM	SWA-13	EAD	TV	OPO	1	420
E832878664	1/24/2012	11:03:20 AM	ROC-25	ECC	TV	OCO	3	1,319
E746842622	1/24/2012	11:03:23 AM	LMD-13	EBJ	TV	OCO	13	6,131
E563136143	1/24/2012	11:19:17 AM	CPV-13	EAD	EF	OFU	6	604
E762523019	1/24/2012	11:23:35 AM	WAB-13	EBI	TV	OCO	68	121,816
E319520848	1/24/2012	11:32:13 AM	WOO-23	ECA	TV	OSV	1	384
E978180064	1/24/2012	11:35:54 AM	WOO-27	ECA	TV	OCO	4	1,836
E110323566	1/24/2012	11:41:27 AM	MST-27	EBJ	TV	OCO	1	116
E012770970	1/24/2012	11:46:45 AM	LAT-13	EBJ	TV	OCO	1,219	2,177,243
E896550288	1/24/2012	11:55:29 AM	LEA-17	EBI	TV	OCO	161	232,567
E113246001	1/24/2012	11:59:30 AM	LLS-17	EAA	TV	OFU	1	107

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E215759928	1/24/2012	12:03:29 PM	PGA-13	ECE	TV	OCO	8	5,485
E330937637	1/24/2012	12:15:41 PM	CPV-12	EAD	TV	OFU	5	147
E243039581	1/24/2012	12:15:45 PM	CRE-16	EAD	TV	OPI	44	4,916
E708045259	1/24/2012	12:18:13 PM	WIS-12	EBF	TV	OTR	11	2,770
E388984719	1/24/2012	12:40:11 PM	ROL-15	EBJ	TV	OFC	12	10,918
E121218103	1/24/2012	12:41:42 PM	PEA-17	EBJ	TV	OCO	215	129,709
E376400735	1/24/2012	12:44:00 PM	CHM-11	ECF	TV	OFU	22	5,229
E345173869	1/24/2012	12:53:21 PM	BRI-17	EAA	TV	OSV	1	107
E772837536	1/24/2012	12:53:52 PM	WIS-14	EBF	TV	OSV	1	947
E214202392	1/24/2012	12:56:08 PM	MVW-16	EBJ	TV	OFC	5	2,419
E884386544	1/24/2012	1:00:59 PM	KLA-15	EBF	TV	UOT	6	1,194
E389015657	1/24/2012	1:02:24 PM	PIN-25	EBF	TV	OCO	4	642
E389030343	1/24/2012	1:05:24 PM	WAY-12	EBD	TV	OCO	4	7,678
E948450680	1/24/2012	1:05:36 PM	HOB-16	EBI	TV	OCO	108	197,035
E751575157	1/24/2012	1:06:26 PM	MCK-15	EAA	TV	OPI	12	6,415
E442322851	1/24/2012	1:07:57 PM	ING-13	EBD	TV	OTR	1	142
E556845460	1/24/2012	1:14:42 PM	MIR-15	EBF	EF	UEL	36	43,751
E970787915	1/24/2012	1:18:44 PM	RDO-12	EBJ	TV	OCO	3	124
E199116391	1/24/2012	1:31:12 PM	MOT-15	ECC	TV	OTF	7	8,994
E904525381	1/24/2012	1:32:52 PM	WOO-25	ECA	TV	OSV	1	261
E826342543	1/24/2012	1:36:40 PM	HAP-16	EAA	TV	OCO	103	55,523
E104936933	1/24/2012	1:41:12 PM	KAP-16	ECA	TV	OCO	1	442
E156173703	1/24/2012	1:42:49 PM	LAC-15	ECC	TV	OFC	6	2,977
E882765424	1/24/2012	1:42:55 PM	LLT-17	EBD	TV	OCN	2	394
E207125431	1/24/2012	1:48:22 PM	LEA-16	EBI	TV	OSV	2	643
E337486611	1/24/2012	1:53:36 PM	HKX-16	EAC	EF	OTR	1	262
E874070034	1/24/2012	1:54:29 PM	HOL-13	ECA	TV	OSV	1	176
E361682107	1/24/2012	1:58:04 PM	PIN-26	EBF	TV	OSV	4	608
E782138985	1/24/2012	1:59:02 PM	LWS-13	EBI	TV	OTR	19	10,259
E477021255	1/24/2012	1:59:17 PM	AVO-16	EBD	EF	USV	9	1,356
E009386999	1/24/2012	2:02:05 PM	HAR-15	EBJ	TV	OCO	2	56
E773381718	1/24/2012	2:04:53 PM	HEM-16	ECA	TV	OCO	2	2,332
E912378866	1/24/2012	2:07:16 PM	CAR-12	EAA	TV	OFU	10	767
E700306756	1/24/2012	2:10:37 PM	GAR-13	ECA	TV	OCO	1	160
E056295367	1/24/2012	2:23:53 PM	HIG-16	EBE	TV	OSV	1	302
E081340843	1/24/2012	2:25:43 PM	HOB-16	EBJ	TV	OCO	4	6,977
E406507150	1/24/2012	2:25:56 PM	HOB-15	EBI	TV	OCO	475	1,284,432
E147625853	1/24/2012	2:28:57 PM	HOL-15	ECA	TV	OCO	1	1,367
E950968163	1/24/2012	2:33:14 PM	SST-17	EAA	TV	OSV	1	407
E901409233	1/24/2012	2:35:31 PM	SHA-16	ECA	TV	OCO	1	1,574
E592932364	1/24/2012	2:49:32 PM	CHA-15	ECC	TV	OCO	3	4,081
E311669326	1/24/2012	2:53:17 PM	WOB-25	EAA	TV	OPO	1	1,243
E420227819	1/24/2012	2:56:46 PM	EDG-12	ECA	TV	OTR	1	498
E538822482	1/24/2012	2:59:30 PM	EVA-23	EBJ	TV	OSV	6	6,963
E995039791	1/24/2012	3:00:05 PM	FAL-13	EBF	TV	OCO	11	3,112
E746118200	1/24/2012	3:12:00 PM	MOT-14	ECC	TV	OCO	817	84,968
E313716590	1/24/2012	3:18:05 PM	SOO-27	EBJ	TV	OCO	3	336
E140097366	1/24/2012	3:18:59 PM	CRE-12	EAD	TV	OCO	78	35,303
E569408284	1/24/2012	3:30:13 PM	VWY-12	EAA	TV	OCO	10	5,138

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E668525962	1/24/2012	3:30:23 PM	PLG-17	ECC	TV	OCO	26	9,402
E550003649	1/24/2012	3:32:52 PM	SOO-23	EBI	TV	OFC	3	144
E923202851	1/24/2012	3:39:15 PM	SEH-11	EAA	EF	OFU	2	244
E536228201	1/24/2012	3:40:01 PM	DUV-12	EBD	TV	OCO	2	978
E871584398	1/24/2012	3:41:44 PM	RAI-11	ECC	TV	OCO	158	101,636
E514266122	1/24/2012	3:46:42 PM	WOB-26	EAA	EF	OTF	4	1,293
E653818158	1/24/2012	4:01:00 PM	CAP-13	ECC	TV	OCO	1,032	208,152
E002709139	1/24/2012	4:03:20 PM	HWD-22	EBD	TV	OSV	7	859
E853506164	1/24/2012	4:04:10 PM	GRI-16	ECC	TV	OCO	1	491
E536081861	1/24/2012	4:05:47 PM	QUI-26	ECF	TV	OFU	2	626
E725131146	1/24/2012	4:09:43 PM	LUH-14	ECC	TV	OCO	400	287,313
E306626366	1/24/2012	4:11:45 PM	SWI-16	ECC	TV	OCO	106	45,501
E882071883	1/24/2012	4:12:31 PM	CAR-12	EAA	TV	OFU	4	366
E952180003	1/24/2012	4:19:02 PM	LAB-25	EAA	EF	OGD	517	62,920
E658025709	1/24/2012	4:27:41 PM	MCA-13	ECC	TV	OCO	183	78,382
E995873134	1/24/2012	4:33:04 PM	PRI-13	ECC	TV	OCO	705	1,550,953
E240356949	1/24/2012	4:39:05 PM	TAN-15	ECC	TV	OCO	21	4,996
E355185473	1/24/2012	4:42:00 PM	ROE-13	EAA	TV	OFU	25	3,575
E392983587	1/24/2012	4:53:15 PM	LYN-24	EAA	TV	OTF	2	194
E624165037	1/24/2012	4:55:22 PM	FCR-12	EBI	TV	OCO	199	299,802
E756425938	1/24/2012	4:58:32 PM	GAR-13	ECA	TV	OCO	13	18,622
E467032020	1/24/2012	4:59:58 PM	HAW-12	ECC	TV	OCO	85	14,453
E661136492	1/24/2012	5:04:20 PM	NBE-15	EBF	TV	OSV	4	1,791
E909252639	1/24/2012	5:11:35 PM	LMC-27	EBF	TV	OCO	48	45,092
E713932047	1/24/2012	5:23:20 PM	ELD-26	ECC	TV	OPO	3	4,643
E665311792	1/24/2012	5:23:59 PM	NUG-25	EAA	TV	OTF	1	111
E726166769	1/24/2012	5:26:51 PM	SNQ-13	EBD	TV	OCO	15	20,297
E440907060	1/24/2012	5:29:39 PM	GBK-15	EAD	TV	UTC	7	212
E816231503	1/24/2012	5:35:31 PM	OBY-17	ECC	TV	OCO	40	55,179
E439559229	1/24/2012	5:38:26 PM	HOB-17	EBI	TV	OTR	4	6,066
E161477052	1/24/2012	5:47:46 PM	CHR-23	ECE	TV	OFU	4	1,040
E655061034	1/24/2012	6:00:36 PM	SOO-25	EBI	TV	OCN	43	74,794
E070022449	1/24/2012	6:09:24 PM	SHD-16	EBI	TV	OSV	32	851
E382659622	1/24/2012	6:11:30 PM	LHL-22	EBE	TV	OCO	1,094	56,341
E829841982	1/24/2012	6:11:32 PM	WIS-12	EBF	TV	OCR	2	2,847
E759516859	1/24/2012	6:15:08 PM	SWD-13	ECE	TV	OCO	78	33,140
E409082721	1/24/2012	6:17:42 PM	MCW-15	ECE	TV	OCO	243	14,228
E884871891	1/24/2012	6:27:09 PM	MOT-14	ECC	TV	OCO	7	832
E983360741	1/24/2012	6:34:33 PM	WIS-13	EBF	TV	UOT	1	858
E884147577	1/24/2012	6:36:01 PM	UHL-22	EBD	TV	OCO	4	1,196
E450828504	1/24/2012	6:38:41 PM	PAT-15	ECC	TV	OCO	13	5,126
E446581460	1/24/2012	6:39:08 PM	PCR-22	EBE	TV	OCO	3	5,166
E093684275	1/24/2012	6:43:34 PM	LHL-25	EBE	TV	OSV	1	931
11028877	1/24/2012	7:10:00 PM	FLD-12	EAD	EF	USV	1	1
E395408213	1/24/2012	7:13:36 PM	WOL-23	ECC	TV	OCO	30	34,692
E733129795	1/24/2012	7:14:31 PM	SHD-18	EBI	TV	OCO	1,446	579,099
E280520423	1/24/2012	7:14:35 PM	BAR-16	ECC	TV	OCO	28	26,164
E139908712	1/24/2012	7:25:27 PM	CHA-13	ECC	TV	OCO	34	5,867
E927140559	1/24/2012	7:26:23 PM	ENU-17	EBI	TV	OCO	14	14,471

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E370322698	1/24/2012	7:31:19 PM	LUH-17	ECC	TV	OFU	10	13,917
E319331054	1/24/2012	7:46:18 PM	LWS-12	EBI	TV	OCO	13	1,348
E103460726	1/24/2012	7:47:51 PM	TRA-26	ECE	TV	OFU	143	27,311
E319062072	1/24/2012	7:59:08 PM	CHM-11	ECF	TV	OCO	2	1,892
E605255004	1/24/2012	8:00:50 PM	SEQ-16	EBJ	TV	OCO	254	249,978
E484066115	1/24/2012	8:02:08 PM	LMD-16	EBJ	TV	OTF	4	191
E343823858	1/24/2012	8:02:29 PM	MIL-17	ECE	TV	OFU	10	750
E131530035	1/24/2012	8:05:40 PM	WIN-16	ECE	TV	OFU	5	1,822
E577202834	1/24/2012	8:09:15 PM	EDG-16	ECA	TV	OSV	1	81
E271935518	1/24/2012	8:16:54 PM	SNQ-17	EBF	TV	OCO	444	13,808
E004345593	1/24/2012	8:17:18 PM	HWD-25	EBD	TV	OSV	5	589
E512025461	1/24/2012	8:24:14 PM	FRG-25	ECC	TV	OCO	5	14,514
E999223392	1/24/2012	8:29:20 PM	GLC-14	EBJ	TV	UTC	229	221,008
E799848034	1/24/2012	8:34:20 PM	MOT-14	ECC	TV	OCO	52	82,299
E204612163	1/24/2012	8:34:58 PM	FAL-16	EBF	TV	OCO	450	27,015
E390334965	1/24/2012	8:39:12 PM	MCW-15	ECE	TV	OJU	567	54,319
E585781999	1/24/2012	8:49:41 PM	NBE-13	EBF	TV	OCO	12	9,352
E150993270	1/24/2012	8:50:34 PM	LEA-16	EBI	TV	OCO	2	1,819
E284887000	1/24/2012	8:56:10 PM	HOB-17	EBJ	TV	OCO	1	1,204
E113193555	1/24/2012	9:00:04 PM	PLU-25	ECC	TV	OFU	55	41,246
E103236208	1/24/2012	9:04:57 PM	SKY-25	EBD	TV	OCO	7	13,965
E331917024	1/24/2012	9:09:54 PM	KAP-16	ECA	TV	OFU	1	1,071
E250710716	1/24/2012	9:13:24 PM	TAN-13	ECC	TV	UTR	217	107,762
E996310092	1/24/2012	9:15:04 PM	CAP-15	ECC	TV	OCO	1	1,353
E937037516	1/24/2012	9:16:43 PM	LMD-16	EBJ	TV	OCO	2	87
E114319700	1/24/2012	9:17:30 PM	ZEN-23	EBJ	TV	OCO	26	19,825
E555369962	1/24/2012	9:19:41 PM	HAZ-13	EBE	TV	OCO	13	12,159
E860239382	1/24/2012	9:20:45 PM	ELD-23	ECC	TV	OTR	70	90,808
E413631702	1/24/2012	9:21:48 PM	FRA-13	ECD	TV	OCO	1,005	143,715
E888397728	1/24/2012	9:30:18 PM	PRI-23	ECC	TV	OTR	58	68,365
E769105997	1/24/2012	9:38:20 PM	MIR-17	EBF	TV	OCO	3	2,750
E012993086	1/24/2012	9:38:53 PM	HAN-13	EAA	EF	UPT	2	614
E438722489	1/24/2012	9:39:10 PM	GRI-13	ECC	TV	OCO	1,441	519,961
E942964571	1/24/2012	9:39:52 PM	BRW-15	EAC	TV	OCO	246	75,063
E578585746	1/24/2012	9:47:37 PM	PLG-17	ECC	TV	PTF	56	61,285
E007040514	1/24/2012	9:53:12 PM	KNT-37	EBJ	TV	OCO	150	204,270
E754092460	1/24/2012	9:56:05 PM	STA-26	EBJ	TV	OCO	4	4,696
E202246580	1/24/2012	9:56:19 PM	SEQ-17	EBJ	TV	OCO	1,452	426,428
E979491264	1/24/2012	9:57:16 PM	AIR-26	ECC	TV	OCO	16	18,764
E515430278	1/24/2012	10:01:00 PM	VAS-12	EBL	TV	OFU	20	48,280
E626740633	1/24/2012	10:01:00 PM	VAS-12	EBL	TV	OCO	1,681	4,057,934
E427029229	1/24/2012	10:06:48 PM	FAL-13	EBF	TV	OCO	5	5,501
E082923850	1/24/2012	10:07:34 PM	PLG-13	ECC	TV	OCO	6	8,817
E264641194	1/24/2012	10:10:05 PM	FRG-22	ECC	TV	OCO	81	126,353
E849359146	1/24/2012	10:10:57 PM	PHA-13	EBE	TV	UTR	9	11,763
E823496949	1/24/2012	10:11:03 PM	CHI-12	ECD	TV	OCO	5	1,770
E108735220	1/24/2012	10:13:07 PM	ROL-17	EBJ	TV	OCO	17	13,037
E422403447	1/24/2012	10:14:14 PM	MVW-17	EBJ	TV	OCO	210	186,011
E466978065	1/24/2012	10:16:47 PM	SWI-17	ECC	TV	OFC	71	47,301

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E959372369	1/24/2012	10:18:06 PM	LMC-23	EBF	TV	OSV	5	6,035
E902087348	1/24/2012	10:18:11 PM	NBE-16	EBF	TV	OCO	55	15,500
E109276127	1/24/2012	10:18:57 PM	FAL-15	EBF	TV	OCO	191	113,846
11033910	1/24/2012	10:20:00 PM	WOL-23	ECC	TV	OCO	2,224	578,240
E896660700	1/24/2012	10:20:59 PM	PMA-13	ECE	TV	OPO	5	5,670
E492861892	1/24/2012	10:21:00 PM	MAN-16	ECD	TV	OCO	609	137,634
E195079446	1/24/2012	10:21:10 PM	KLA-17	EBF	TV	OCO	1,115	163,719
E163193869	1/24/2012	10:21:52 PM	LLT-13	EBD	TV	OCO	792	89,602
E370769313	1/24/2012	10:22:30 PM	LMC-27	EBJ	TV	OCO	7	6,948
E520188301	1/24/2012	10:23:52 PM	LLT-16	EBD	TV	OCO	1,044	110,803
E684648194	1/24/2012	10:24:09 PM	DUV-15	EBD	TV	OCO	291	142,255
E433539098	1/24/2012	10:24:54 PM	MWV-13	EBJ	TV	OCO	46	51,295
E456533154	1/24/2012	10:26:00 PM	EPO-16	ECD	TV	OCO	581	61,005
E880400257	1/24/2012	10:27:40 PM	LMD-16	EBJ	TV	OCO	39	32,071
E179295773	1/24/2012	10:33:22 PM	GRI-15	ECC	TV	OCO	72	53,758
E028992509	1/24/2012	10:37:18 PM	COT-13	EBD	TV	OCO	23	11,309
E375241477	1/24/2012	10:39:09 PM	PIN-27	EBF	TV	OCO	1,634	174,593
E650035842	1/24/2012	10:39:29 PM	PEA-15	EBJ	TV	OCO	76	64,639
E649914946	1/24/2012	10:40:16 PM	BLU-13	ECC	TV	OCO	41	36,479
E240684245	1/24/2012	10:40:24 PM	RPT-15	ECD	TV	OFU	5	2,073
E777594443	1/24/2012	10:40:45 PM	FWY-13	EBJ	TV	OCO	123	141,358
E924644294	1/24/2012	10:41:35 PM	BHL-13	ECE	TV	OFU	25	11,210
E393147085	1/24/2012	10:43:58 PM	SOO-23	EBJ	TV	OTH	11	12,056
E458441153	1/24/2012	10:45:26 PM	BAR-15	ECC	TV	OCO	31	45,929
E846009958	1/24/2012	10:47:39 PM	POU-15	ECE	TV	OCO	25	16,459
E623405384	1/24/2012	10:48:09 PM	LWS-15	EBJ	EF	UPC	41	80,436
E322513131	1/24/2012	10:52:16 PM	CHI-15	ECD	TV	OCO	5	2,514
E079519448	1/24/2012	10:54:00 PM	MUR-15	ECE	TV	OCO	250	20,500
E284285996	1/24/2012	10:54:04 PM	SHD-17	EBI	TV	OCO	4	1,464
E395079558	1/24/2012	10:55:46 PM	EDG-16	ECA	TV	OCO	21	27,809
E874298743	1/24/2012	10:57:07 PM	SHD-18	EBJ	TV	OCO	5	5,014
E779281529	1/24/2012	10:59:33 PM	RHO-15	ECA	TV	OTR	559	372,952
E801091279	1/24/2012	11:00:52 PM	RHO-13	ECA	TV	OCO	886	760,306
E841452454	1/24/2012	11:00:55 PM	LYO-15	EBI	TV	OCO	16	17,345
E470892481	1/24/2012	11:03:53 PM	KIN-24	ECE	TV	OCO	51	9,237
E632437662	1/24/2012	11:04:14 PM	LGY-16	EAD	TV	OCO	77	15,755
E087983358	1/24/2012	11:04:27 PM	CUM-13	EBI	TV	OCO	15	12,083
E737758980	1/24/2012	11:05:11 PM	WOL-25	ECC	TV	OCO	316	254,322
E721482094	1/24/2012	11:06:00 PM	FRA-12	ECD	TV	OCO	1,057	122,612
E954663095	1/24/2012	11:06:00 PM	OSC-25	EBI	TV	OCO	923	764,725
E140792335	1/24/2012	11:06:00 PM	OSC-26	EBI	TV	OCO	985	872,510
E514589783	1/24/2012	11:07:02 PM	PLA-21	EBD	TV	OCO	98	115,441
E217937603	1/24/2012	11:07:11 PM	RHO-16	ECA	TV	OCO	508	433,231
E440313914	1/24/2012	11:07:36 PM	BON-15	ECA	TV	OCO	1,214	919,484
E951332092	1/24/2012	11:07:48 PM	SNQ-17	EBF	TV	OCO	39	5,936
E409698751	1/24/2012	11:09:55 PM	MIL-23	ECE	TV	OCO	189	49,534
E486926823	1/24/2012	11:10:36 PM	LTA-18	ECA	TV	OTR	439	347,197
E829097730	1/24/2012	11:11:30 PM	TOL-16	EBD	TV	OCR	28	23,674
E936443131	1/24/2012	11:12:42 PM	UHL-25	EBD	TV	OCO	14	7,802

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E287207662	1/24/2012	11:14:11 PM	SHA-13	ECA	TV	OCO	2	1,828
E451830792	1/24/2012	11:14:53 PM	FAC-13	EBE	TV	OCO	9	1,450
E571746027	1/24/2012	11:24:15 PM	HAP-13	EAA	TV	OCO	1,980	183,810
E290383818	1/24/2012	11:25:16 PM	HOB-15	EBJ	TV	OCO	1	2,274
E605065456	1/24/2012	11:26:03 PM	LWS-15	EBI	TV	OCO	1	694
E339919176	1/24/2012	11:28:27 PM	BON-17	ECA	TV	OTF	2	1,755
E081179103	1/24/2012	11:28:31 PM	ZEN-24	EBJ	TV	OCO	1,071	199,724
E021750368	1/24/2012	11:28:53 PM	FRA-16	ECD	TV	OCO	32	22,436
E513846603	1/24/2012	11:32:41 PM	BRS-24	EAC	EF	OPI	420	299,173
E512354747	1/24/2012	11:34:15 PM	WLK-13	ECA	TV	OSV	2	1,292
E297937347	1/24/2012	11:34:34 PM	SLA-17	EAA	EF	OIN	27	5,331
E573017143	1/24/2012	11:39:58 PM	HOL-12	ECA	TV	OCO	1	805
E193535964	1/24/2012	11:42:38 PM	VAS-23	EBL	TV	OPO	83	18,684
E219873451	1/24/2012	11:42:38 PM	VAS-23	EBL	TV	OFU	56	32,557
E576392169	1/24/2012	11:42:38 PM	VAS-23	EBL	TV	OCO	18	22,525
E671355469	1/24/2012	11:44:15 PM	PET-13	EAC	TV	OCO	85	41,654
E723740445	1/24/2012	11:44:20 PM	BUC-26	ECA	TV	OCO	89	75,442
E561456829	1/24/2012	11:45:08 PM	RDO-16	EBJ	TV	OCO	77	28,865
E074243847	1/24/2012	11:46:00 PM	SIL-13	ECD	TV	OCO	1,312	195,488
E457810005	1/24/2012	11:46:35 PM	FRA-13	ECD	TV	OCO	69	16,349
E552212574	1/24/2012	11:47:53 PM	HAZ-16	EBE	TV	OTF	4	3,376
E967764547	1/24/2012	11:49:45 PM	GRA-25	EBJ	TV	OCO	13	9,103
E088664926	1/24/2012	11:51:10 PM	SIL-13	ECE	TV	OCO	1,312	188,709
E508877389	1/24/2012	11:55:07 PM	CAM-26	EBJ	TV	OCO	11	7,974
E396488362	1/24/2012	11:55:32 PM	VIC-16	EBJ	TV	OCO	44	27,477
E938966316	1/24/2012	11:57:37 PM	MWD-16	EBE	TV	OCO	136	159,865
E436986370	1/24/2012	11:57:42 PM	CHA-13	ECC	TV	OCO	39	54,768

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

Winner of Eight Pulitzer Prizes

Tuesday, Jan. 17, 2012

Storm looms, with up to 14 inches of snow Wednesday

Wednesday's predicted snowfall of 6 to 14 inches in the Seattle area could be the heaviest in decades.

By Jack Broom and Brian M. Rosenthal

The Puget Sound area could be in for its heaviest snowfall in decades, as a daylong snowstorm Wednesday is forecast to drop 6 to 14 inches in the Seattle area, on top of several inches that fell over the weekend and into Tuesday.

"It will be snowing everywhere on Wednesday. Not showers, but heavy, widespread snowfall all day," said Chris Burke of the National Weather Service.

If Wednesday's snowfall hits at the high end of the forecast range, it would be the biggest single-day snowfall in Seattle since 14.9 inches fell on Jan. 27, 1969, Burke said. The area also had more than 14 inches of snow in November 1985, but it fell over two successive storms.

A more immediate concern facing Puget Sound commuters was the cold and snow forecast early Tuesday, likely to create slick conditions on many roads and highways. Metro buses will be operating on snow routes Tuesday.

Public-school closures also are almost inevitable for the next couple of days. By 7 p.m. Monday, several districts, including Snohomish and Northshore, already had announced they would be closed Tuesday. Seattle Public Schools said it would operate on a two-hour delay.

On Monday, while snow fell on and off throughout the day, there was little accumulation and Seattle largely was spared.

Seattle Department of Transportation crews worked around the clock to remove ice from major roads. Many streets had been closed Sunday night, but most were open by early Monday.

Tuesday's snow is expected to taper off by afternoon, with the major storm arriving after nightfall.

Wednesday's heavy snow is expected to come to a messy, slushy conclusion. By late Wednesday or early Thursday, a warming trend is expected to change the snow to steady rain. High temperatures in the 40s are forecast.

Seattle Mayor Mike McGinn on Monday urged residents to be prepared and make sure they have the necessary supplies to deal with the severe weather. Officials recommended that people minimize travel, move their cars off the street, if possible, to help snowplows and check on neighbors, especially the vulnerable.

Even though the weekend snows were spotty, they still contributed to about 10 times the normal number of collisions on Washington's highways, according to the State Patrol.

"The lesson is to slow down," said Julie Startup, a spokeswoman for the Patrol. "The best way to reduce your chances of being in one of these collisions is to reduce your speed and increase that following distance so you have more time to react."



Twin winter storms slamming Pacific Northwest

Seattle could see one of its largest snowfalls since the 1940s as twin winter storms move over the Pacific Northwest during the next two days, according to the National Weather Service.

Between 5 and 9 inches of snow could hit the Seattle-Tacoma area Wednesday, with 6 to 10 inches falling before the storms pass early Thursday, said Dustin Guy, a meteorologist at the weather service's Seattle office.

Precipitation moving in from the south and west is combining with cold air moving south from Canada to create the heavy snowfall, Guy said. If snowfall amounts top 7 inches, the winter weather event will rank among Seattle's 10 worst since the early 1940s, he said.

Mountainous areas of the Pacific Northwest will see even more snow, with the largest accumulations on the eastern slopes of the Cascades, according to the weather service.

From late Tuesday through early Thursday, 2 feet to 3.5 feet of snow is forecast for the mountains east of Seattle, Guy said.

The first storm was moving over the area Monday into the day Tuesday. The second and stronger storm was forecast to hit Wednesday into Thursday.

"It's pretty big when you get back-to-back storms like that," weather service meteorologist Roger Cloutier said.

Scattered areas near Easton, Washington, along Interstate 90 in the Cascade Mountains 55 miles east of Seattle, have already received 32 inches of snow, Cloutier said.

The snowfall extends south into Oregon, with as much as 18 inches forecast for the Bend area. CNN affiliate KTVZ-TV in Bend said an earlier round of snow over the weekend gave a boost to local ski resorts but also created treacherous driving conditions that left at least one motorist dead.

Those conditions were expected to worsen. Winter storm warnings were in effect across the region.

"Expect extreme travel difficulties to develop on Wednesday," the weather service said, advising those who must take to the roads during the storm to carry a flashlight, blankets and extra food and water.

CNN affiliate KING-TV in Seattle reported that some schools systems canceled or delayed classes Tuesday.

The heavy snowfall will be followed by rain, which could produce ponding water and urban flooding, Guy said.

"It's just gonna be a mess all around," he said of the coming few days in the Seattle area.

Cloutier said even though computer models are trending colder and colder for the coming days, the heavy snow will eventually pose a flooding threat.

"When the snow does finally melt, you can almost guarantee there will be some flooding somewhere," he said.

The Seattle Times
Winner of Eight Pulitzer Prizes

January 17, 2012 at 10:00 AM

Less snow in the forecast? It's "evolving."

Posted by Nick Provenza

How much snow could fall in the Seattle area Wednesday now appears to anybody's best guess.

Forecasters with the National Weather Service on Monday predicted between 6 and 14 inches to fall, the heaviest snowfall in decades. This morning, though, meteorologist Allen Kam said that the area should expect between 5 and 10 inches.

Kam said the forecast is rapidly evolving.

"It's really tricky. There are so many factors that go into creating snow in the area. It's not possible to know for sure until the very last minute," he said.

The only known factor is that Seattle and nearby communities should still prepare for "a significant" amount of snow.

Meteorologist Dana Felton had said earlier that if 10-inches of snow fall in Seattle it would be an amount the region hasn't seen since 1996.

Much of the city is getting a break before the storm this morning, Felton said. Snow showers we're seeing now will continue into the evening in outlying areas.

"Today, nothing much is going on. We still have some snow showers going on, mostly in the Central and South Sound," Felton said.

Temperatures in much of the region today will remain in the 30s.

"The big event comes tomorrow," Felton said. "Snow will start here in the metro area at 4 in the morning and taper off in the evening hours (Wednesday)," Felton said.

Another quick blast will hit the region Thursday morning, Felton said. But by Thursday afternoon the snow will turn to rain.

Wednesday, Jan. 18, 2012, 5:36 AM PT

Weather service scales back Seattle snow forecast

By Doug Esser, Associated Press

SEATTLE (AP) — As snow started falling on Seattle Wednesday morning, the National Weather Service scaled back the amount expected in western Washington but said it would still be a significant event.

The total in the city would likely be 3 to 6 inches, meteorologist Dustin Guy says. More is likely in southwest Washington, 4 to 8 inches, while less is expected in the northwest interior, 1 to 2 inches.

On Tuesday, forecasters had been talking about 5 to 10 inches in the central Puget Sound region, 6 to 14 inches in southwest Washington and 2 to 5 in the northwest interior.

The Cascades will still get heavy snow — up to 2 feet by Thursday, Guy said. And widespread snow is forecast across eastern Washington.

A change in the storm track resulted in expectations for a lesser amount of snow in western Washington, Guy said. Temperatures are expected to rise Thursday, bringing back the rain by Friday in the lowlands.

In eastern Washington, forecasters expect 4 to 9 inches south of Interstate 90 and 1 to 2 inches north of I-90.

Snow has been falling in usually mild western Washington since the weekend, and residents braced for Wednesday's storm.

Seattle and other school districts canceled classes in advance. Transportation department crews have had trucks on the roads spreading sand and deicer.

Alaska Airlines announced late Tuesday that it canceled 38 flights into and out of Seattle and Portland, Ore. The airline waived rebooking fees for passengers traveling Tuesday through Thursday in those cities.

Several downtown Seattle hotels reported all their rooms were booked. Elsewhere, shoppers stocked up on groceries.

Bec Thomas, who lives on Camano Island north of Seattle, stocked up on bottled water and food. As her children built snowmen, made snow angels and sledged in nearly a foot of fresh snow on Tuesday, she made food that could be reheated on her wood stove.

The last snowstorm knocked out her power for a week.

"We take it very seriously," said Thomas, a fine arts photographer. "We'll probably be snowed in until Thursday."

State troopers advised motorists to be prepared.

"The No. 1 thing is to drive for the road conditions," Trooper Keith Leary said. "People need to slow down, take their time. If they're not prepared, don't get out on the roadways."

John Lee, a Mill Creek graphic designer decided to work from home Tuesday rather than face a snowy commute into Seattle, said it was "a bit exciting" because it was the first snow of the season.

But he added, "I hope it doesn't escalate to something bigger."



Record snowfall possible in Olympia

Wednesday, Jan. 18, 2012, 7:49a.m. PT

SEATTLE (AP) — The snow that moved across Washington on Wednesday seems to be heaviest in the southwest corner of the state.

About a foot of new snow was on the ground by 7:30 a.m. in Olympia.

The meteorologist in charge of the National Weather Service office in Seattle, Brad Colman, said Olympia could break the record of 14 inches of snow in a 24-hour period. Areas south of Olympia could get 20 inches. Colman said, "They're getting hammered."

Some other amounts: 15 inches at Napavine, 7 at Tacoma, 2 at Sea-Tac Airport, 1 at Everett.

At the Spokane Weather Service office, meteorologist Colby Neuman said the Palouse would get 6 to 10 inches, the most since 1998. He expected 2 to 4 inches Wednesday in Spokane. Most of the Eastern Washington snow will be south of Interstate 90, with lesser amounts north of I-90.

The Seattle Times

Winner of Eight Pulitzer Prizes

Heaviest snow expected to hit Seattle area between 4 a.m. and 6 a.m. Wednesday

Posted by [Nick Provenza](#)

The snowstorm that could drop 5 to 10 inches of snow on the Seattle area Wednesday is supposed to hit the coast about midnight Tuesday and arrive in the Seattle metro area by 4 a.m. to 6 a.m. - in plenty of time to mess up the morning commute.

"This is a good day to stay home," said Ted Buehner of the Weather Service. "This is a widespread and significant snow event." He said even with highway crews on the jobs, some sidestreets are likely to be treacherous, perhaps impassible.

Snowfall totals could vary widely around the region, and could be highest - a foot or more -- in the South Puget Sound area, Buehner said.

Once it hits, the Wednesday storm is expected to settle in for the day, with steady snowfall continuing all day.

The total amount of snow in the latest forecast is less than the 6 to 14 inches forecasters originally called for, but still plenty to cover local roads and highways, making travel difficult to impassible on some routes.

Meteorologist Dana Felton had said earlier that if 10 inches of snow fall in Seattle it would be an amount the region hasn't seen since 1996.

More snow, or freezing rain, could fall on Thursday, with the area completely switching over to rain by Friday, when temperatures will reach into the mid 40s.

RedmondPatch

Tuesday, Jan. 17, 2012

Are You Prepared for the Big Snow?

Government agencies and first responders are urging residents to be prepared for emergency situations this week because of predicted snowfall.

By Annie Archer

With a possibility of 3-5 inches of snow falling on Redmond Wednesday, it may be a good idea to make sure you have enough supplies to get you through an emergency.

King County and [Puget Sound Energy](#) have a special website with tips and checklists on being prepared for winter storms, www.takewinterbystorm.org. King County has an emergency website with all road closure and flood information, www.rpin.org.

The City of Redmond also has several resources for residents, including:

- A Twitter feed with updated road conditions (look for the tag #RedmondAlert)
- A Winter Weather Info webpage
- A webpage with information on snow and ice removal, including a map of the city's snow removal routes
- Live traffic cameras showing road conditions around town
- Live updates via radio (AM 1650) and RCTV (Comcast 21/Frontier 34)

Some Emergency Numbers:

- Puget Sound Energy: 1-888-225-5773
- King County Roads (unincorporated areas): 1-800-527-6237

What to Include in a Vehicle Emergency Kit (from Auto Clubs of America):

- Cell phone and charger for making emergency calls.
- Warning devices (flares, triangles or other visual alerts).
- First aid kit.
- Flashlight with new batteries.
- Non-perishable food and water.
- Blankets and warm clothing including hat and gloves.
- Jumper cables.
- Abrasive material (sand or cat litter) or traction mats and a small shovel.
- Ice/snow scraper for clearing car and windows.
- Tire chains.

From King County:

Before the weather turns bad, make sure your family, home, and vehicle are ready for whatever Mother Nature sends. The following guidelines can help you prepare:

Family:

- Listen to weather forecasts regularly and heed any warnings.
- Make sure everyone knows when and how to call 9-1-1.
- Make sure you understand the emergency plans and expectations at your child's school and your work.
- Check your emergency supplies and restock outdated items. Be sure to include plenty of water and non-perishable food, first aid supplies, a battery-operated radio, flashlight and extra batteries for both. A checklist can be found at www.TakeWinterByStorm.org.
- If you have pets, bring them indoors. If you cannot bring them inside, provide adequate shelter to keep them warm and make sure they have access to unfrozen water.
- Identify an out-of-state contact to call during a major disaster or emergency; it will be easier to call out of the area if local lines are tied up.
- Your ability to feel a change in temperature decreases with age, and older people are more susceptible to health problems caused by cold. If you are over 65 years old, place an easy-to-read thermometer in an indoor location where you will see it frequently, and check the temperature of your home often during the winter months.

- Monitor the weather forecast and adjust your travel plans if necessary. Know the snow routing for school buses and public transit.
- Check on neighbors, especially anyone who might need help.
- Subscribe to free regional alerts and news bulletins at www.rpin.org.

Home:

- Be sure you have sufficient heating fuel for emergency equipment in case the electricity is cut off (such as a good supply of dry, seasoned wood for your fireplace or wood-burning stove).
- Install a smoke detector and a battery-operated carbon monoxide detector. Test the batteries each month, and replace them twice a year.
- Take steps to avoid carbon monoxide poisoning. Never use a generator indoors, in garages, or in carports. Never use a gas or charcoal grill, hibachi, or portable propane heater to cook indoors or heat your home. Avoid combustion "space heaters" unless there is an exhaust vent.
- Insulate any water lines that run along exterior walls so your water supply will be less likely to freeze. To the extent possible, weatherproof your home by adding weather-stripping, insulation, insulated doors and storm windows, or thermal-pane windows.
- Learn how to shut off water valves in case a pipe bursts.
- Have your chimney or flue inspected each year.
- Learn more tips for preparing your home at www.TakeWinterByStorm.org.

Vehicle:

- Make sure your vehicle is properly serviced and maintained. Ensure the electrical systems, brakes, batteries, lights, windshield wipers, antifreeze and heating and cooling systems are in good shape. Check fluid levels – antifreeze, windshield washer, and oil.
- Keep tires properly inflated and make sure they have adequate tread. Replace any worn tires.
- Build, or restock, a vehicle emergency kit, including flares, flashlight, extra batteries, ice scraper, tire chains, a blanket and warm clothing, sturdy shoes, first-aid supplies, water, and non-perishable food. You can find a detailed list at www.TakeWinterByStorm.org.
- Keep your gas tank at least half full; the extra gas helps reduce condensation that can plug your fuel line with ice and stall your engine in cooler weather. It also helps you avoid running out of gas if you experience long traffic delays.
- When driving in snow, stick to major arterials. Register for road alerts at www.kingcounty.gov/roadalert and transit alerts at www.kingcounty.gov/transit.

If snow piles up and roads become hazardous, postpone your trip if possible. Staying home will keep you and others safe. If you must travel, be aware of ice hazards, especially on shaded roadways, bridges, or in high elevation areas prone to freezing.

Hypothermia is a common problem during cold winter weather, especially with young children and older adults who are most vulnerable. Symptoms include uncontrolled shivering, slow or unclear speech, extreme tiredness, stumbling, confusion, semi-consciousness, or unconsciousness. If a person becomes unconscious, get medical help immediately. To prevent hypothermia, wear warm, multi-layered clothing with good head, hand, and foot protection. Avoid overly constricting wrist bands, socks, or shoes.

—*Information from local preparedness organizations and government agencies*

SOUTH WHIDBEY RECORD

Tuesday, Jan. 17, 2012

Schools close, traffic crawls as snow storm blankets Whidbey Island

By NATHAN WHALEN

Whidbey public schools closed Tuesday and the Puget Sound region is bracing for more snow that is expected to fall this week.

Parts of Whidbey were snowed under this week, including Oak Harbor and Clinton, though most areas in between were clear. But it started coming down hard Tuesday morning, school superintendents announced closures Tuesday, and several inches or more of the white stuff covered the island. It wasn't unusual to see cars stuck in ditches or unable to make it up hills.

The National Weather Service issued a winter storm warning stating that one to two inches of snow would fall Tuesday before breaking in the evening. Then, an additional five to 10 inches of snow is possible to fall by Wednesday evening.

Snow started falling on Whidbey Island Saturday and has been continuing throughout the week. The Tuesday morning snowfall prompted school officials to cancel schools in Oak Harbor, Coupeville and South Whidbey.

Oak Harbor School District Superintendent Rick Schulte said staff checked the roads at around 2:30 a.m. and they were considering keeping schools open. However snow started falling later in the morning and they changed their minds.

"By 4:30 a.m., it was snowing pretty hard and it was foggy in some places," Schulte said, adding that many other school districts canceled classes around the same time Oak Harbor made a decision.

The Oak Harbor area appeared to have received the most snow on North Whidbey Island from the storm that blew through the area Saturday. Several inches of snow appeared have fallen in town with less accumulation in surrounding areas.

"It just got worse and worse when I came into town," said Ben Deschepper, a warehouse workers at Skagit Farmer's Supply, while shoveling snow out of the parking lot. He came to work from north of Oak Harbor.

Despite the snow, emergency personnel reported a slow weekend. Marv Koorn, chief of North Whidbey Fire and Rescue, said firefighters responded to two car accidents while Ed Hartin, chief of Central Whidbey Fire and Rescue, said firefighters didn't receive any calls Monday but responded to a rollover accident near the intersection of Hill and Ebey roads.

"Thus far, people have been staying at home and that's been a good thing," Hartin said. Monday was a holiday, which greatly reduced traffic.

Puget Sound Energy spokeswoman Dorothy Bracken said a few minor power outages occurred throughout the weekend when tree branches fell into power lines. But power was quickly restored.

She said staff is monitoring weather reports and crews are on alert for the next round of snow. On the positive side, she noted there aren't any high-speed winds in the forecast.

"It's a matter of how heavy the snow will be and whether branches will break off into the power lines," Bracken said.

The weekend snow storm provided a chance for residents to enjoy a something they rarely see on Whidbey Island. A family in Oak Harbor, originally from San Diego, bundled up and went outside to enjoy a good old-fashioned snowball fight. Other people took advantage of the wet snow by making snowmen and snow forts. Tacoma resident Chloe Herzog was visiting Oak Harbor with her parents. She had a sled handy while she was at Windjammer Park.

Road crews have been busy since Saturday clearing the main roads on Whidbey Island.

"We've been working around the clock since the beginning of the weekend," said Dustin Terpening, spokesman for the Washington State Department of Transportation. He said said 14 trucks in Skagit and Island counties have been plowing the highways. Of that amount, two are devoted to plowing Highway 20. Work crews also apply deicer when the conditions are clear and will add a mix of sand and salt on the highways during the snowstorm.

With even more snow expected on Whidbey Wednesday, a decision had not been made as of press time whether public schools on Whidbey will be canceled.

Schulte said that decision will be made when the school district receives definite information about Wednesday's weather conditions. He said if more snow falls Wednesday, then classes will probably be canceled.

For more information about school closures in the Puget Sound region, go to www.schoolreport.org or call a school to see if they're open.



Winter Storms Slam Pacific Northwest

(CNN.com) -- Snow was pelting Seattle and accumulating on roads early Wednesday as the city was poised to see what could be one of its largest-ever snowfalls in more than 70 years.

The Seattle-Tacoma metropolitan area may see between 4 and 8 inches of snow as the second of twin storms moves across the Pacific Northwest, according to the National Weather Service.

The southwest interior of Washington state, including the capital, Olympia, could see 5 to 10 inches of snow, the weather service said.

Precipitation moving in from the south and west is combining with cold air moving south from Canada to create the heavy snowfall, said Dustin Guy, a meteorologist at the weather service's Seattle office.

If snowfall amounts top 7 inches, the winter weather event will rank among Seattle's 10 worst since the early 1940s, when record-keeping began, he added. A series of severe winter storms and record-breaking cold also hit the region in the 1950s, according to CNN affiliate KOMO.

While that amount of snow is no problem in places that receive snow regularly, heavy snowfall is relatively rare in Seattle, where steep hills can make winter travel treacherous.

Nevertheless, city officials maintain they are prepared for the storm, said CNN's Thelma Gutierrez. De-icing has begun on bridges and overpasses, some emergency shelters were opened, schools were closed and some flights were canceled. High-wind warnings were in effect along the coast, where winds could gust to hurricane force -- knocking down trees and causing power outages, said CNN meteorologist Taylor Ward.

Wednesday's snowfall in Seattle may equal its annual average, Ward said.



This picture is from iReporter Kyle Aevermann's Seattle neighborhood, First Hill, next to the downtown area.

Mountainous areas of the Pacific Northwest will see even more snow, with the largest accumulations on the eastern slopes of the Cascades, according to the weather service. Significant snowfall is expected across southern Washington, northwest Oregon and into western Idaho.

From late Tuesday through early Thursday, 2 feet to 3.5 feet of snow is forecast for the mountains east of Seattle, Guy said. Mount Rainier could see 10 feet of snow by Friday.

However, the snow in Portland, Oregon, had changed into heavy rain Wednesday morning as warm air intruded into the area. The city was under a flood advisory because of the rain and melting snow, the weather service said. High winds were also forecast for the area.

Winter storm warnings were still posted for much of Oregon, with snow expected Wednesday.

The first storm moved into the area Monday and Tuesday. The second and stronger storm was forecast to hit Wednesday into Thursday.

"It's pretty big when you get back-to-back storms like that," weather service meteorologist Roger Cloutier said.

Winter storm warnings Wednesday touched portions of eight states, stretching into Montana, Utah and Wyoming. Scattered areas near Easton, Washington, along Interstate 90 in the Cascade Mountains 55 miles east of Seattle, have already received 32 inches of snow, Cloutier said.

The snowfall extends south into Oregon, with as much as 18 inches forecast for the Bend area. CNN affiliate KTVZ in Bend said an earlier round of snow over the weekend gave a boost to local ski resorts but also created dangerous driving conditions that left at least one motorist dead.

Those conditions were expected to worsen.

"Expect extreme travel difficulties to develop on Wednesday," the weather service said, advising those who must take to the roads during the storm to carry a flashlight, blankets and extra food and water.

The Washington State Department of Transportation said 1,250 workers will use nearly 500 pieces of equipment statewide to treat and plow roadways.

Alaska Airlines said it is canceling 38 flights Wednesday because of the heavy snow expected to hit the area.

CNN affiliate KING reported that Seattle Public Schools opted to close all schools two hours early.

The heavy snowfall will be followed by rain in Seattle, which could produce accumulated water and urban flooding, Guy said.

"It's just gonna be a mess all around," he said of the coming few days in the Seattle area.

Cloutier said even though computer models are trending colder and colder for the coming days, the heavy snow will eventually pose a flooding threat.

"When the snow does finally melt, you can almost guarantee there will be some flooding somewhere," he said.

For more on this story, please go to CNN affiliates KTVZ and KING.

As snow slows, officials warn of icy roads in Pacific Northwest

By the **CNN Wire Staff**

updated 10:30 PM EST, Wed January 18, 2012

Seattle (CNN) -- Even as snowfall slowed Wednesday in the Pacific Northwest, officials warned that falling temperatures would make roads icy and dangerous for drivers.

"We are seeing multiple spinouts and collisions," the Washington State Department of Transportation reported on its website, advising drivers to slow down as road conditions worsened.

Some normally busy streets in Seattle looked more like ski runs, as residents with sleds and snowboards took advantage of what could be one of the area's largest snowfalls in decades.

The National Weather Service canceled a winter storm warning for the area Wednesday afternoon, but said a winter weather advisory would remain in effect until midnight. Light snowfall was expected to continue throughout the evening.

High-wind warnings were in effect along the coast, where winds could gust to hurricane force, knocking down trees and causing power outages, said CNN meteorologist Taylor Ward.

Wednesday's snowfall in Seattle may equal its annual average, Ward said.

CNN affiliate KOMO showed images of overturned vehicles and carports and awnings that collapsed under the weight of the snow.

Precipitation moving in from the south and west is combining with cold air moving south from Canada to create the heavy snowfall, said Dustin Guy, a meteorologist at the weather service's Seattle office.

If snowfall amounts top 7 inches, the winter weather event will rank among Seattle's 10 worst since the early 1940s, when record-keeping began, he added. A series of severe winter storms and record-breaking cold also hit the region in the 1950s, according to CNN affiliate KOMO.

While that amount of snow is no problem in places that receive snow regularly, heavy snowfall is relatively rare in Seattle, where steep hills can make winter travel treacherous.

"This city shuts down when winter hits. It's nuts. ... This city is just so unprepared for snow," Derek Stanek, 25, told CNN's iReport.

Nevertheless, city officials maintained they were ready for the storm.

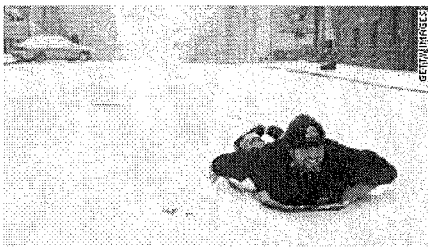
Deicing measures were in place on bridges and overpasses, emergency shelters were opened, schools were closed and some flights were canceled.

Using a ruler outside his home near Tacoma, Washington, Joel Pederson measured 6 inches of snow Wednesday. And it was still coming down, Pederson told CNN's iReport.

"We have not had this much snow since the 1980s," he said.

Official snow measurements for the day were not expected until Thursday morning.

But Washington's capital, Olympia, had already received 13 inches of snow by Wednesday afternoon: the third highest 24-hour snowfall on record and the largest amount of snow that had fallen there since 1972, when 14.2 inches of snow fell in one day.



Winter weather hits Oregon

As of late Wednesday morning, the Seattle-Tacoma International Airport had received 4 inches of snow, with 4.7 inches measured in Tacoma, as the second of twin winter storms moved through, according to the National Weather Service

Up to 8 inches of snow was forecast for the metropolitan area.

The town of Winlock, Washington, about 105 miles south of Seattle, had received 16 inches by late Wednesday morning, the weather service said. The town of Chehalis, about 18 miles north of Winlock, had 14 inches.

Mountainous areas of the Pacific Northwest will see even more snow, with the largest accumulations on the eastern slopes of the Cascades, according to the weather service. Significant snowfall is expected across southern Washington, northwest Oregon and into western Idaho.

From late Tuesday through early Thursday, 2 feet to 3.5 feet of snow is forecast for the mountains east of Seattle, Guy said. Mount Rainier could see 10 feet of snow by Friday.



A man scrapes snow from the back window of his car in downtown Seattle on Wednesday.

However, the snow in Portland, Oregon, had changed into heavy rain Wednesday morning as warm air intruded into the area. The city was under a flood advisory because of the rain and melting snow, the weather service said.

High winds were also forecast for the area. At Otter Rock, on the central Oregon coast, a gust of 110 mph was recorded, CNN meteorologist Sean Morris reported, along with gusts topping 80 mph at Lincoln City and Florence.

The first storm moved into the area Monday and Tuesday.

"It's pretty big when you get back-to-back storms like that," weather service meteorologist Roger Cloutier said.

Winter storm warnings Wednesday touched portions of eight states, stretching into Montana, Utah and Wyoming.

The snowfall extends south into Oregon, with as much as 18 inches forecast for the Bend area. CNN affiliate KTVZ in Bend said an earlier round of snow over the weekend gave a boost to local ski resorts but also created dangerous driving conditions that left at least one motorist dead.

Those conditions were expected to worsen.

"Expect extreme travel difficulties to develop on Wednesday," the weather service said, advising those who must take to the roads during the storm to carry a flashlight, blankets and extra food and water.

The Washington State Department of Transportation said 1,250 workers will use nearly 500 pieces of equipment statewide to treat and plow roadways.

The heavy snowfall will be followed by rain in Seattle, which could produce accumulated water and urban flooding, Guy said.

"It's just gonna be a mess all around," he said of the coming few days in the Seattle area.

Local News

Originally published January 18, 2012 at 9:17 PM | Page modified January 18, 2012 at 10:12 PM

Storm's messy exit: ice, slush, flooding

By Carol M. Ostrom, Seattle Times staff reporter

Snow + rain = slush. To this easy equation, add brisk, below-freezing temperatures overnight and a bit of freezing rain, and what do you get early Thursday?

Trouble, in the form of frozen slush and ice — conditions that likely will force morning commuters to brave a daunting gauntlet of slippery crud to get to work.

Almost makes you wish for rain, doesn't it?

That's coming, too, just wait. A weak storm on the heels of Wednesday's snow-dumper will hit Thursday, but the National Weather Service says it will produce no more than an inch of snow. By Thursday night, there will still be a chance of snow, but lows in the Seattle area of about 34 degrees should start the big melt — fueling already widespread fears of urban flooding.

"It is confusing," said Dennis D'Amico, a meteorologist with the National Weather Service. "We have one system back to back with this one. The next one coming in is not very strong; it's not going to produce nearly so much precipitation, and it'll be warmer."

The South Sound area took on the most snow Wednesday, with more than a foot reported in Olympia and Centralia, and up to 20 inches in Napavine, Lewis County. Six inches were reported at SeaTac, and areas of Seattle got 4.

D'Amico and other weather-watchers worry that people who heeded warnings and stayed off the roads Wednesday will try to head to work Thursday.

"Conditions on the roadway are already poor, and the last thing we want to add to that is a freezing situation," said Julie Startup, spokeswoman for the State Patrol in King County.

Of course, none of us want the Snow-No-Go reputation we have among those from Minnesota and snowier parts. Still, troopers responded to a total of 726 collisions between 9 a.m. Tuesday and 9 a.m. Wednesday, said Bob Calkins, spokesman for the State Patrol in Olympia. For some perspective, note that troopers went to 83 collisions in the same 24-hour period in 2011, a day without snow.

Then on Wednesday, lots of folks stayed home, and crash totals dropped dramatically.

Trooper Keith Leary said that even though road lanes were mostly bare and wet, many suburban stretches still had snow between lanes or on shoulders where cars spun out. In one case, a sedan wedged halfway underneath a beer truck, and in another, a semi spun out in downtown Bellevue toward the left shoulder of I-405 southbound.

Although roadways in Seattle treated with brine appeared slushy but passable at midday Wednesday, according to a Seattle Times spot-check, that could change dramatically with expected overnight freezing temperatures.

The Seattle Department of Transportation said it began plowing and spreading rock salt to main arterials starting Wednesday morning in an effort to prevent ice from forming. Seattle DOT said it would continue 24-hour snow-removal operations.

Still, there's a good chance that people could wake up to icy roads anyway, said Barb Graff, director of the city's Emergency Management Department.

"We're trying to manage it aggressively," Graff said. But there were too many variables to predict just what the morning commute would look like, she said.

As of Wednesday afternoon, the city had not yet called in crews from Seattle Public Utilities or the Parks Department to add to its plow force.

Graff said the city would rely on cameras and feedback from transportation crews and police and firefighters in the field to determine whether conditions had become icy. Commuters also can report icy conditions to the city's transportation hotline at 206-684-7623.

By Wednesday afternoon, the Seattle Police Department had closed off more than two dozen

roads, most of them too steep to navigate safely. Some of those roads are too dangerous to treat or clear, and will probably remain closed until the weather warms up and melts the snow, said SDOT spokesman Rick Sheridan.

Winds — which reached 85 mph at the top of Crystal Mountain ski resort Wednesday and 95 mph at Newport on the Oregon Coast — should drop dramatically Thursday, the National Weather Service said.

But morning ice could be a nuisance for Sounder train commuters.

Sound Transit canceled its 3:50 p.m. train from Seattle's King Street Station to Tacoma, and the 5 p.m. return trip to Seattle, because of "switch issues." Others were on schedule. BNSF Railway, which owns and maintains the tracks, has crews in place to defrost the switches, trying to stay ahead of nature, BNSF spokesman Gus Melonas said earlier. Wednesday morning, Sounder trains operated smoothly, and Melonas said freight trains were able to cross Washington state all day. East of Lake Washington, road crews were busy Wednesday. Bothell, which tends to be heavily hit because it's in the "convergence zone" north of Seattle, received 6 inches or more of snow. But all main roads stayed open, including winding Highway 527 through the woods north of downtown. Even steep 228th Street Southeast stayed open.

Bellevue road crews have been busy, with the hills south of I-90 absorbing 6 inches of snow, deputy utilities director Mike Jackman said. Bellevue was able to keep the steepest arterials open, including Lakemont Boulevard Southeast and Somerset Boulevard Southeast. The goal now is to stabilize the streets by reapplying salt, then pushing the slush off to the roadside as much as possible, before it refreezes into blocks of ice.

These kinds of slush-bergs were a stubborn problem for Seattle in December 2008, when unsalted snow melted, reshaped and refroze for days on certain streets. Seattle now spreads salt brine and granules, and occasional sand.

Downtown Bellevue streets are in very good shape, Jackman said. Crews were to continue overnight and to start extending the work into neighborhood streets around midnight. Kirkland closed additional roads late Wednesday, including Northeast 116th Street, a busy east-west route just uphill from the Juanita area.

Fearing that bus drivers and parents will have trouble navigating icy streets, Seattle Public Schools canceled all classes and after-school activities for Thursday. Most other school districts around Puget Sound arrived at similar decisions, although a couple were planning to operate on a two-hour delay.

University of Washington also canceled classes for Thursday.

In the mountains, avalanche danger is high, the weather service said, with lots of heavy new snow poorly bonded to the crusty older snow, and likely more dense snowfall or rain helping loosen the bonds. The avalanche report said there was high danger and described slides as increasingly large and fast.

Now, attention is turning to the risks to come: Icy branches falling on power lines, and flooding as the pile of snow melts.

Scattered power outages were reported, including in Snohomish, Shoreline and Tacoma, with about 16,000 homes without electricity late Wednesday.

Melting, too, will pose difficulties. Seattle transportation officials asked residents to help clear storm drains on their streets if it can be done safely. Pierce County officials asked residents to shovel snow from walkways and driveways.

Late Wednesday the freezing rain started as the storm was winding up, leaving behind scattered power outages, damaged fenders and a King County snow plow that tangled with a power line — and these amazing stories:

A Graham couple took so much time getting to the hospital their second son was born inside a hospital elevator, which took that moment to get stuck between floors. Three nurses were in the elevator car with Katie Thacker, the mom, and baby Blake — 7 pounds, 15 ounces — came along just fine.

Then there was the sledding. Which can be dangerous. Especially if you're an adult, if alcohol is involved, and you're zooming through the Hoquiam city cemetery on an 8-foot plastic boat. A 21-year-old man who tried that apparently broke his leg, Hoquiam police said. The good news: The

"sled" turned out to be a fine stretcher to help haul him to the hospital.

Seattle Times staff reporters Jack Broom, Susan Kelleher, Mike Lindblom, Brian M. Rosenthal, Jennifer Sullivan and Craig Welch contributed to this report. Carol M. Ostrom: 206-464-2249 or costrom@seattletimes.com. On Twitter @costrom.

The Seattle Times

Winner of Eight Pulitzer Prizes

Local News

Originally published January 18, 2012 at 10:35 AM | Page modified January 18, 2012 at 7:15 PM

Seattle-area snow tapering off, but morning commute a concern

By Mike Lindblom, Jack Broom and Brian M. Rosenthal, Seattle Times staff reporters

The steady snow that boosted snowfall totals as much as an inch an hour in parts of Western Washington Wednesday morning eased in the early afternoon, but transportation officials are looking ahead to Thursday morning's commute, when refreezing slush poses a severe threat of spinouts and bottlenecked highway ramps.

Washington State Department of Transportation says the major highways in Western Washington were mostly bare and wet by mid-afternoon Wednesday, but crews will continue to work around the clock as temperatures dip below freezing.

In Seattle, workers on 12-hour work shifts will sprinkle salt on major arterials and bus routes. At the same time, the Seattle Department of Transportation discourages people from driving Thursday, saying it's better to leave the roads to plows, emergency vehicles and transit.

Spokesman Rick Sheridan said there will be special emphasis on First Hill streets that serve several hospitals just east of Interstate 5.

Still, there's a good chance that people could wake up to icy roads anyway, said Barb Graff, director of the city's emergency management department.

"We're trying to manage it aggressively," Graff said. But there were too many variables to predict just what the morning commute would look like, she said.

Another problem that could return Thursday is the slippery hill on Third Avenue from Yesler Way down to Washington Street. On Wednesday morning, bus drivers were ordered by King County Metro Transit to go down the hill only one at a time — causing backups of up to 12-15 buses on southbound Third Avenue. The idea was to avoid having multiple buses jackknife or collide. This in turn delayed service to outlying neighborhoods. "The idea was to not end up with gridlock," said Jim Jacobson, deputy general manager of King County Metro Transit.

In other areas, for example California Avenue Southwest and portions of Denny Way, the city's pre-snowfall salt brine applications looked successful, as the snow flaked or melted instead of sticking hard to the pavement. A single plow worked exclusively on the Alaskan Way Viaduct, said Sheridan, and the city didn't need to scoop away snow with a front-end loader there, as street maintenance director Steve Pratt had prepared to do.

By mid-day Wednesday, major roadways that had been treated with brine appeared slushy, but passable, according to a spot check by the Times.

There were exceptions, including short stretches of road around Swedish and Harborview medical centers on First Hill, that appeared unplowed and packed with snow. But people driving on major streets appeared to have at least one lane in each direction they could navigate.

King County Metro Transit remains on snow routes, after 30 lines were closed Wednesday.

Officials said they haven't decided as of 3 p.m. whether to make changes Thursday. Travelers should look for updates tonight and tomorrow morning at metro.kingcounty.gov. Metro has a person in the SDOT command center who is able to ask the city to send plows to trouble spots.

"We're pretty comfortable with the way today played out. We didn't get as much snow as projected, but there was certainly enough to cause havoc on the roadways. It was good that people

stayed home today," said Jacobson.

About 50 or so Metro buses were stalled or stranded Wednesday, he said — much better than some past storms when over 200 buses were stopped.

Jacobson said he's generally satisfied with the planning by city and state, including an emphasis on clearing bus routes.

"You have a giant snowstorm, there's no way anybody can clear every street as much as everyone would like it to be during the middle of a storm."

Link light-rail trains will run empty overnight to keep ice from forming on overhead power wires.

Ridership was low entering the city but most seats were full heading to Seattle-Tacoma

International Airport on Wednesday morning, according to Sound Transit.

Seattle has closed a couple dozen streets, including some important arterials such as South McClellan Street above Rainier Avenue South, and the slopes of Queen Anne Avenue North.

It could be a couple of days or longer before much of the snow and slush is washed away, according to the National Weather Service.

By noon, about 5 inches of snow was reported in many areas around Seattle, with much higher totals reported to the south, including 8 inches in Tacoma, and 20 inches in Thurston and Lewis counties.

Brad Colman of the National Weather Service said the morning's steady and widespread snowfall was expected to be "gradually tapering off this afternoon."

Temperatures were expected to stay at or below freezing during the day Wednesday, dropping into the 20s overnight.

Julie Startup, spokeswoman for the State Patrol in King County, said there is concern about freezing rain hitting.

"Conditions on the roadway are already poor, the last thing we want to add to that is a freezing situation. If the freezing rain comes I'm hopeful people will drive carefully and get off the road," Startup said.

Wednesday night should be "a quiet winter scene for the Seattle area," Colman said, and moisture that is on streets is likely to freeze overnight.

Thursday could see a rain-snow mix at times as temperatures creep up to the mid-30s.

Temperatures are likely to reach into the 40s by Friday, with rainfall light during the day and building through the night.

Areas that have had the heaviest snowfall face the possibility of local flooding as rain changes the snow into slush.

Bob Calkins, spokesman for the Washington State Patrol in Olympia, said between 9 a.m.

Tuesday and 9 a.m. Wednesday, troopers responded to 726 collisions. To give a some perspective, for the same 24-hour period in 2011, a day without snow, troopers were dispatched to 83 collisions, Calkins said.

Wednesday morning, falling snow had created a tough commute across Western Washington.

"It's compact snow and ice pretty much everywhere," said Vickie Sheehan, a spokeswoman for the state Department of Transportation, describing the roads Wednesday morning. Marybeth Turner, a spokeswoman for Seattle's Department of Transportation, said arterial streets throughout the city were in "pretty good condition."

Some streets on hills were closed, but it's a very small number, Turner said. Even the infamous Denny and Melrose intersection, which leads to a steep slope bridging Interstate 5, was open.

The city used 4,169 gallons of salt brine and 113 tons of granular rock salt on the roads Tuesday, Turner said.

Both Turner and Sheehan said traffic was considerably lighter this morning than on a normal weekday.

In West Seattle, hardly anyone was on the roads during the early commute. Downtown buses were taking on just a handful of people each.

Metro buses have been traveling their snow routes since Sunday and canceled 30 routes Tuesday in anticipation of Wednesday's storm.

Riders were urged people to check online before heading out, at www.kingcounty.gov/metro/snow

Seattle Times staff reporters Craig Welch and Susan Kelleher contributed to this report



Thursday, Jan. 19, 2012 (7:50 a.m.)

Over 100,000 homes without power in freezing temps

SEATTLE -- Utility companies are scrambling after power lines knocked down by snow-heavy tree branches knocked out power to over 100,000 Puget Sound Energy and Tacoma Public Utilities customers early Thursday.

Puget Sound Energy spokesman Andy Wappler said 70,000 customers were without power.

Overnight freezing rain, coupled with Wednesday's record snowfall, caused tree branches and limbs to snap or sag into power lines. Many of the outages were scattered around the region.

"If you do see a downed power line, stay away. Call us or call 911," said Wappler. "We want everyone to be safe. If you're out of power and you're using a generator or grill, those things belong outside, away from the house. Carbon monoxide can be a danger."

Tacoma Public Utilities posted on their Facebook page that 24,000 homes were without power due to a downed transmission line, most likely caused by a fallen tree.

The Seattle Times

Thursday, Jan. 19, 2012 (5:32 a.m.)

UPDATE: Scattered power outages: Snow-laden trees, branches falling on power lines

By Nick Provenza

UPDATE: | Some 24,000 customers in Tacoma are without power this morning, according to our news partner KING5.

In Snohomish County, about 4,000 homes and businesses were without power as of 5 a.m., down from 10,000 overnight.

The outages were scattered around the county, mostly in rural areas. Most were caused when falling trees or branches, heavy with snow, hit power lines, said Snohomish County PUD spokesman Mike Thorne.

Puget Sound Energy had 10,000 customers without power Wednesday night primarily in Thurston, King and Pierce counties. Another 21,000 homes and businesses had power restored during the day.

Still waiting for an update from PSE.



Wednesday, Jan. 18, 2012

More than 24,000 lose power in Pierce Co., Wash.

A Tacoma, Wash., utility reports that a transmission line problem cut electricity to more than 24,000 customers, most of them in the southern part of Pierce County.

Thousands of Western Washington electrical customers saw their power interrupted in the wake of the big snowfall, in many cases because of snow-laden, icy tree limbs falling onto power lines.

A Tacoma Power spokeswoman says a tree across transmission lines cut power to more than 24,000 customers Wednesday evening, most in the southern part of Pierce County. Chris Gleason said the utility was able to restore power to all but 3,000 customers within about three hours and was working to assist the rest.

Puget Sound Energy spokesman Roger Thompson reported 17,000 customers without power late Wednesday night. He said power had been restored to more than 14,000 other customers.

Puget Sound Energy serves more than 1 million electrical customers in eight Western Washington counties.

WoodinvillePatch

Thursday, Jan. 18, 2012

Snowplow Gets Tangled in Downed Line

The driver got out safely after power crews verified that the line was dead.

Woodinville Fire and Rescue crews were busy Wednesday with weather-related calls, including responding to a snowplow that got tangled up with a downed power line in the Wellington area around 8 p.m.

The plow was working the area off of 156th Wednesday night when it got into the downed line, said David Weed, public information officer for the fire district.

An engine was dispatched, and the crew requested that Puget Sound Energy respond to make sure the power was off before the driver got out of the vehicle, Weed said.

The district will have its usual staffing overnight, Weed said, and isn't planning to call in extra people. But it could get busy as temperatures drop and winds pick up, according to a tweet from the fire district.



Wednesday, Jan. 18, 2012

Ice halts air traffic, sends drivers spinning out of control

Watch video here (5:58 p.m.)

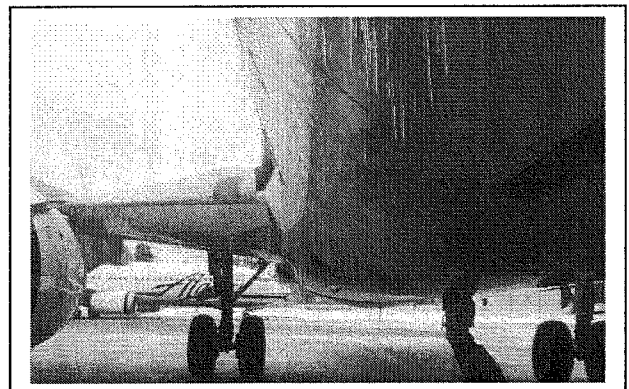
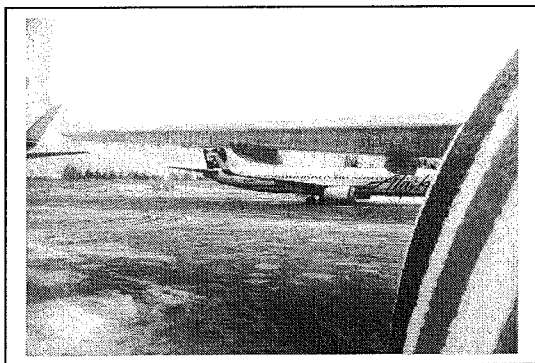
SEATTLE — After a storm that blanketed Western Washington with snow, plunging temperatures and freezing rain have encased roads in ice, closed all Seatac runways and sent vehicles crashing off highways.

All runways at Seatac Airport closed around 5 a.m. after icy conditions made them unsafe for jet traffic. Airport spokesman Perry Cooper said he didn't think there was such an event in the last 10 years. At 6:30 a.m., Alaska Airlines tweeted that they canceled all inbound and outbound flights until 10 a.m. By 7 a.m., one runway was cleared, but crews still had to clear taxiways.

KIRO 7 Eyewitness News meteorologist Sam Argier said an ice storm warning is in effect for most of the Puget Sound area and King County southward. Freezing rain will turn to ice on roads, coating trees, powerlines and everything it comes in contact with.

Early Thursday morning, there were major crashes in Thurston County and Lynnwood involving semi-trucks that overturned on slippery roads.

The crash south of Olympia closed all northbound lanes and two southbound lanes of Interstate 5 at 93rd Avenue at about 12:35 a.m. The truck damaged a barrier and spilled diesel fuel, causing an hours-long repair and cleanup.



Wednesday, Jan. 18, 2012

Olympia sees 10 inches of snow; heaviest has passed

UPDATE: Official snow totals are rolling in from the National Weather Service, showing 11 inches at the Olympia airport since Tuesday morning and higher totals to the south.

By Matt Batchelder

With the worst of the winter storm over, official snow totals are rolling in from the National Weather Service, showing 11 inches at the Olympia airport since Tuesday morning and significantly more to the south.

Lacey is reporting 13 inches and 12 inches were measured in Tumwater and Yelm. Much higher amounts have also been reported by readers. Jay Shepard, who lives in the aptly-named Alpine Hills subdivision near Black Lake, measured a total of about 30 inches outside his home on North Hill Loop S.W. That includes earlier snowfall in recent days.

Snow totals in Lewis County were among the highest in the lowlands, with Chehalis measuring 17 inches in a 24-hour period.

Olympia appears to be a little shy of its all-time 24-hour snow record, which is 14.2 inches, recorded in January 1972.

The snow is letting up now, but what has fallen is not going away soon, said Dennis D'Amico, a meteorologist with the National Weather Service in Seattle. A mix of rain and snow is predicted for Thursday before it changes to all-rain in the afternoon.

"It's possible that you could see another half-inch or something like that before turning to rain tomorrow afternoon," he said. "It's not going to be enough rain to melt away."

To make matters worse, what is out there tonight will freeze hard, with a predicted low in the upper 20s.

From Friday onward, it looks like plain old rain, with temperatures in the 40s.

Intercity Transit buses are up and running with tire chains, said spokeswoman Meg Kester. Sixteen of 24 Intercity Transit routes are running on severe weather operation, which means that buses 42, 43 and 44 serving the west side are cancelled, Kester said. Thirteen routes are on detour or limited service.

Shuttles are operating between Capital Mall, South Puget Sound Community College and the Thurston County Courthouse and between Martin and Marvin roads and The Meadows in Lacey.

Puget Sound Energy reported no significant power outages in Thurston County this morning. The snow has been lightweight enough not to cause problems, said Dorothy Bracken, a spokeswoman for the utility. There have been occasional outages when tree branches fall on power lines, but power is restored when they are removed.

"We continue to monitor the weather," she said. "The crews are out in full force."

See details at www.intercitytransit.com.

The city of Olympia passes on this update:

- Most city hills are closed, including Lakeridge Drive (Courthouse) hill and Raft Street Hill. State and Fourth Avenue as well as Harrison Avenue are open.

- Road crews are focusing on the main roads and hills used by police, fire and transit.

"Crews will not be able to work on any secondary or neighborhood collector roads until after the snow stops and lifeline roads are passable," according to a news release.

- Olympia has five dump trucks with snow plows covering the city.

- To report fallen limbs or trees, call Public Works Dispatch at 360-753-8333.

- Property owners are responsible for clearing driveways and sidewalks next to their property.

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THE BELLINGHAM HERALD

Wednesday, Jan. 18, 2012

Few power outages in Whatcom, PSE says

By RALPH SCHWARTZ

Puget Sound Energy was prepared for the worst as a severe winter storm approached, but as of Wednesday morning, Jan. 18, hadn't responded to any major outages in Whatcom County or the rest of its service area, spokesman Roger Thompson said.

He roughly estimated that 200 customers lost power in Whatcom County from Tuesday to Wednesday.

Power outages in the county were associated with wind damage and equipment failure, Thompson said. In counties such as Thurston, where significantly more snow fell, power lines were knocked down by branches weighted with snow.

EnumclawPatch

Wednesday, Jan. 18, 2012

PSE Equipment Failure in Krain Corner Area May Have Sparked Flashes This Morning

Residents in the area of Krain Corner may have seen two flashes this morning that appear to be connected to a power failure that affected 920 customers Wednesday morning.

By April Chan

Roughly 920 Puget Sound Energy customers in the Enumclaw/Krain Corner area lost power for one-and-a-half hours this morning due to some equipment failure, a company spokesperson said today.

Just before 7 a.m., there was a failure in the area where the underground cables connect to overhead power lines, Dorothy Bracken said. This may have caused two bright flashes that residents in the area reported seeing.

It was unclear if the failure was weather-related. Crews restored power by 8:30 a.m. And as of this afternoon, there were no outstanding power failures in the Enumclaw area, she said.

The Seattle Times

Winner of Eight Pulitzer Prizes

Wednesday, Jan. 18, 2012

Winds slam Oregon Coast, add chill in Western Washington

Some parts of Oregon saw gusts of nearly 100 mph early Wednesday. Winds were lower — but still concerning — in Western Washington.

By Brian M. Rosenthal

While some parts of the Pacific Northwest struggled with heavy snowfall Wednesday morning, others were more worried about strong winds.

Hurricane-force gusts rattled the Oregon Coast in the early morning hours, toppling trees and triggering scores of minor mudslides. Gusts were lower in Western Washington, but were still strong enough to bring down temperatures — the wind chill in some areas of Northwest Washington was reportedly below zero degrees Fahrenheit — and raise the possibility of power outages.

By late morning, there were no widespread outages, said officials in Whatcom and San Juan counties, which reportedly saw the strongest winds in the state — sustained levels of 25-35 mph and gusts of up to 50 mph.

Neither Seattle City Light nor Puget Sound Energy had reports of significant power outages as of noon Wednesday, and state emergency management officials said the same held true throughout Western Washington.

But, officials said, it's still early.

"We've had just a few reports of scattered outages affecting a few folks here and there," said Rob Harper, spokesman for the state emergency management division. "But that's something we'll be concerned about as the day goes on. With the

amount of snow we've got coming down, and then add wind and freezing rain, that could present a situation. It could be very significant."

Lynne Miller, with King County's joint emergency information center, said the county also is keeping an eye on utilities, to make sure people don't lose heat during the storm.

"If there are outages and the temperatures drop, we'll want to get on that and fast," she said.

Responders were bracing for any surprises, but so far the reality pretty much matched forecasts.

"We're dealing with snow and ice just like everybody else," said Ken Richardson, a spokesman for Whatcom's Division of Emergency Management. "We're fortunate we don't have as much as down south."

Richardson was referring to the snow in Southwest Washington.

But it was cold in Bellingham, and the wind made it even colder.

The temperature at Bellingham International Airport, north of the city near Bellingham Bay, dropped to the upper teens Tuesday evening, then plunged to 12 degrees during the night.

By 10 a.m. Wednesday, the temperature had risen to 15 degrees, but coupled with a northeasterly wind gusting between 25 mph and 39 mph, the wind-chill temperature at the airport registered 5 degrees below zero. By early afternoon, the ambient temperature at the airport was still only 16 degrees.

In terms of wind overall, Western Oregon saw the worst of it.

Coastal Lincoln County bore the brunt of the storm, with sustained winds of more than 50 mph and gusts approaching 100 mph. By midmorning, travel on every major road in the county was closed or delayed due to large puddles of water and downed trees and power lines.

Jenny Demaris, the county's emergency manager, said that wind level is not unprecedented but was relatively unusual for how quickly it came and left.

"This was much more compressed," she said.

The highest wind gusts were measured at 95 mph at about 7:45 a.m. in Newport. Tami Atkinson, a spokeswoman for the city's police department, said the storm blew off part of one building's roof but did not cause significant structural damage. She cautioned that the roads are hazardous, however.

By 9 a.m., winds were subsiding but rains were continuing, raising the possibility of river flooding in the days to come.

The severe weather is a result of the same system affecting Western Washington, said Gerald Macke of the National Weather Service in Portland. The system is also influencing conditions in Canada and California, he added.

KENTREPORTER.com

Wednesday, Jan. 18, 2012

Snowstorm strikes Kent

By STEVE HUNTER

About 5 inches of snow early Wednesday brought many things to a halt in Kent.

The Kent School District closed schools for the second consecutive day. City crews at one point closed about six streets that connect the East Hill and West Hill to the Valley.

City street crews were kept plenty busy trying to plow roads after the snowstorm.

"We're just going from one hill to the other hill," said Bill Thomas, city street superintendent. "South 208th got clogged up around 9:30 to 10 in the morning. We closed it so we could get tow trucks in there to move cars."

Crews closed South 208th Street again in the early afternoon after a semi truck spun out.

Other street closures included South 218th Street, the James Street (South 240th) hill, 42nd Avenue and South 248th Street. Crews were able to keep Smith Street (State Route 516) and the South 277th Street corridor open.

Street crews, however, kept so active with the hills that by noon Wednesday they had yet to clear flat roads in the valley such as the West Valley Highway.

"That's part of our secondary attack," Thomas said. "We're on the hills first to get them open. We focus on the hills then we spread out."

State Department of Transportation crews were able to clear State Route 516 (Kent-Des Moines Road) between Meeker Street and Pacific Highway South.

The snowy weather caused the closure Wednesday of Kent Municipal Court and the Kent Senior Activity Center. The Kent Commons recreational facility planned to stay open until 5 p.m., but cancelled all programs and classes.

Allied Waste cancelled garbage, recycling and yard waste service to Kent. Customers who have a normal collection day of Wednesday may put out double the load for pickup on their regularly scheduled day next week.

Metro Transit ran all buses on snow routes and cancelled some routes.

About 1,000 Puget Sound Energy customers on the East Hill lost power Wednesday morning from Southeast 270th Street to Southeast 278th Street and from 137th Avenue Southeast to 158th Avenue Southeast. PSE cleared several fallen trees from power lines in order to restore power.

Some people were able to take advantage of the snowy weather. With no school and some people staying home from work, people hit the hills for sledding, tubing, snowball fights and building snowmen.



Friday, Jan. 20, 2012

About 250,000 Washington customers without power

SEATTLE— A powerful Pacific Northwest storm knocked out power to about 250,000 electric customers around Seattle, Tacoma and Olympia after it coated much of Washington in ice and swelled Oregon rivers, killing a child and two adults. Besides the outages, the big concern now is more flooding in both states with warmer temperatures and rain.

Most of those affected are customers of Puget Sound Energy, which said it had restored service to 87,000 customers who lost power in the snowstorm that began Wednesday. But the utility it could take into the weekend or later to get the power back on for the roughly quarter million additional homes and businesses still in the dark.

The National Weather Service said warming temperatures Friday should melt snow and ice in Western Washington lowlands as the forecast returns to normal — rain — into next week. Forecasters said the melting snow could cause urban and small stream flooding and fill the Skokomish and Chehalis rivers above flood stage by Saturday evening.

It was still snowing in the Cascades, with up to 2 feet possible in the mountains over the weekend. In Eastern Washington, forecasters expect more snow Friday or freezing rain before warming temperatures on Saturday raise the snow level above the valley floors in some areas.

Washington Gov. Chris Gregoire declared a state of emergency, authorizing the use of National Guard troops if necessary.

Oregon should see a break in the rainfall for some hours before another front comes in, said meteorologist Paul Tolleson in Portland, Ore.

"We'll have decent fronts for the next 24 to 36 hours. It'll be just enough rain to make people nervous," he said.

The unusually strong system temporarily shut down Seattle's airport Thursday. Alaska Airlines and Horizon Air canceled 310 flights to and from Seattle Thursday and Alaska Air said it was canceling 50 flights on Friday.

The storm knocked down so many trees that Washington State Patrol troopers brought chainsaws in their cruisers to hack through the obstacles.

It also left three people dead: a mother and her 1-year-old boy, killed after torrential rain swept away a car from an Albany, Ore., grocery store parking lot; and an elderly man fatally injured by a falling tree as he was backing an all-terrain vehicle out of a backyard shed near Seattle.

More than 50 downed trees on railroad tracks and the threat of more falling forced Amtrak officials to close service between Portland and Seattle on Thursday morning. The closure continued Friday.

Officials in Spokane declared a snow emergency, banning parking along arterials and bus routes beginning Thursday evening. The City of Seattle asked people to get home before dark if possible, fearing even worse icing conditions by nightfall. And authorities told pedestrians to be extra careful on sidewalks and to look out for "falling ice from trees, buildings and power lines."

The National Weather Service said the last widespread freezing rain in Seattle was in December 1996.

The weather system also dropped snow on Washington's Mount Rainier, where four people were reported missing. A search was suspended at nightfall but was to resume Friday.

In the Willamette Valley town of Scio, Ore., many residents evacuated as the city manager said water was pouring down Main Street.

Officials in the city of Turner, Ore., issued a voluntary evacuation order to people, asking them to flee to higher ground as floodwaters from the rising Mill Creek swept through town.

To the west of Oregon's Coast Range, residents were being moved out of Mapleton, Ore., with a population of about 900.

Near Reno, Nev., winds gusting up to 82 mph pushed a fast-moving brush fire south out of control on Thursday as it burned several homes, threatened dozens more and forced thousands to evacuate their neighborhoods.

The storm system also brought blowing snow to northwest Colorado as high winds battered the Front Range, with more heavy snow expected over the weekend.



Friday, Jan. 20, 2012 (6:54 a.m.)

Slow thaw begins after Puget Sound's deep freeze

[Watch video here](#)

SEATTLE – Temperatures are gradually warming in the Puget Sound region, but the snow and ice related problems continue to plague the region, with hundreds of thousands of homes without power, closed or delayed classes in nearly all school districts, and major roads closed or just dangerous to drive.

"The slow transition out of the deep freeze begins today. Most places are getting close to freezing if not a degree or some above. Not much precipitation today, so that's good news. Just a few scattered areas of showers," said KING 5 Meteorologist Rich Marriott.

The area Seattle southward could see some drizzle, mixed rain-snow, snow or freezing drizzle, but it will be very light and won't accumulate, said Marriott.

"Temperatures should get to the freezing mark, except north of Mount Vernon into Whatcom County, where temperatures will remain in the teens and 20s," said Marriott. [Read full forecast](#)

Marriott predicts increasing rain and wind through the afternoon, with high temperatures reaching into the low to mid 40s for areas south of Whatcom County.

With temperatures warming and snow melting near or at sea level, storm drains could get overwhelmed along with some smaller streams or rivers in southwestern Washington. A Flood Watch will begin Friday evening and continue into Saturday for most of Western Washington.

The region may be thawing, but many people are still without power in the biting cold. Nearly 300,000 customers across the region, most of those with [Puget Sound Energy](#), were still without power Friday morning. Some customers may not get their power back until Saturday. [Power outage contact information](#)

Most school districts, including Seattle and Tacoma, canceled or delayed classes Friday. [Check out our full list of school closures and delays in the region.](#)

Sea-Tac Airport re-opened all of their runways Friday after a layer of ice forced the airport to shut down all three runways Thursday. Due to the closure, there's a significant backup of flights and several flights were still canceled. Air travelers are advised to call ahead and check the status of flights.

Several roads across the region were closed Friday morning due to downed trees and compact snow and ice on the road. Highway 18 between I-5 and I-90 remains closed due to ice. Also, several Sounder commuter trains have been canceled and there was reportedly a 40-minute delay in trains. Transit agencies have most of their buses on snow routes. [Follow Tracy Taylor's traffic updates on Twitter.](#)

Check your routes: [Sound Transit](#); [Metro Transit](#); [Pierce Transit](#); [Community Transit](#)

According to KING 5 meteorologists Jeff Renner and Lisa Van Cise, between 1.8 inches to 17 inches of new snow accumulations were recorded around the Puget Sound region Wednesday. Here are some of the totals, sorted by county:

- Island: Coveland 7.5", Langley 7.1", Camano Island 6", Coupeville 4.5", Oak Harbor 4"
- King County: Kent 9.8", Federal Way 5.5", Woodinville 5", Issaquah 4.3", Sea-Tac 4.2", Shoreline 3", Bellevue 2", Seattle 2"
- Kitsap: Olalla 5", Poulsbo 4"
- Lewis: Chehalis 17", Winlock 16"
- Mason: Shelton 11", Belfair 7.5"
- Pierce: Orting 8", Tacoma 7.5", Puyallup 6", Parkland 4.8"
- Thurston: Grand Mound 15", Olympia 14", Lacey 13", Yelm 12"
- San Juan: Mount Constitution 9", Friday Harbor 6.5", Lopez Island 1.5"
- Skagit: La Conner 5", Concrete 3.6", Anacortes 3.5", Mount Vernon 2.5"
- Snohomish: Lake Stevens 9", Stanwood 8.7", Lynnwood 5.5"
- Whatcom: Bellingham 1.8"

300,000 without power, flooding expected on Friday

Watch video here

SEATTLE – Still reeling from a devastating ice-and-snow storm that left more than 300,000 people without power on Thursday, Western Washington residents are now bracing for a big thaw and the floods that could accompany it.

An updated weather advisory from the National Weather Service said wintry conditions will likely continue throughout Thursday night and into Friday morning. But the temperature is expected to climb into the mid-40s by Friday afternoon, bringing more rain to the region into Friday night and Saturday morning.

That mixture of warmer temperatures and anywhere from a half inch to two inches of rain will create river and lowland flooding.

The warm up will cap an historic week of weather that left its mark on the region.

Falling ice-covered trees and branches knocked out power to some 300,000 people, most of them Puget Sound Energy customers.

Officials with the utility said crews were scrambling to restore service to more than 270,000 homes and business. About 150 line crews were already working on restoration efforts, and another 140 crews were being brought in from California.

No estimated times for restoring power were given, but officials said it could be days for some customers due to the wide-spread damage and sheer number of outages.

Other power providers were dealing with comparatively smaller outages, but Snohomish PUD, Tacoma Power, Seattle City Light and Mason County PUD were all trying to restore service to thousands of customers.

In addition to the chance of more freezing rain overnight, a flood watch kicks in Friday afternoon for several counties of Western Washington, including Grays Harbor, Clallam, Island, Jefferson, San Juan, Skagit, Whatcom, King, Kitsap, Lewis, Mason, Pierce, Snohomish, Thurston. The flood watch will continue through Saturday afternoon.

The Skokomish and Chehalis rivers are expected to rise above flood stage between Friday night and Saturday evening. All areas could see excessive surface runoff with ponding of water, ponding around clogged drains or culverts and small streams going over their banks.

The hardest-hit spots will be in the areas of deep lowland snow and heavier rain, such as the Southwest Interior.

Many school districts have already announced that they will be closed on Friday due to the continuously treacherous conditions.

The updated forecast comes after an epic Pacific Northwest ice storm swept in, coating snow-covered Western Washington with freezing rain on Thursday and bringing much of the state to its knees.

Roads and highways were closed and Sea-Tac Airport temporarily halted all flights for several hours. The airport also said fluctuating weather conditions are forcing it to cancel 50 flights on Friday.

One man was killed by a falling tree near Mirromont.

Gov. Chris Gregoire proclaimed a winter storm emergency that would allow the activation of the Washington National Guard, if needed, and free up state agencies to take extraordinary steps to help local jurisdictions during the current winter storm.

City of Seattle officials urged anyone still working in the city to get home before darkness and ice conditions get worse, and Tacoma officials declared a state of emergency as the city remained coated in ice.

In McCleary, the roof covering half of a school building annex collapsed under the weight of snow and ice. The building is used for storage and no one was inside at the time, officials said.

The National Weather Service initially issued a rare ice storm warning for the region through noon, then later extended it until 2 p.m. After it expired, a winter weather advisory was issued for a variety of conditions through 4 a.m. Friday.

Freezing rain followed heavy snow in Western Washington, causing dangerous travel, power outages and threats that buildings could collapse. Freeways were closed intermittently by jackknifed semis and untold numbers of spinouts and accidents.

"It's a very dangerous situation," with a major impact on roads, said Brad Colman, the meteorologist in charge of the Weather Service office in Seattle. "We're expecting a significant impact on power. ... We have to worry about any infrastructure that can't bear the load," he said.

A rare and historic winter storm

The ice storm was the worst the area has seen in decades. The last time the region had anything close to the intensity was in 1996 when an ice storm struck the Eastside and southeastern foothills in the wake of a major winter storm then.

But even veteran forecasters said they couldn't remember such a widespread and intense ice storm in the Puget Sound region.

The freezing rain was caused by a mixture of arctic air blowing in from Canada in the wake of Wednesday's snow storm combining with a mild and wet weather system moving in off the Pacific Ocean.

The heavier cold air remained entrenched on the ground as the lighter warm air moved in over the top. As snow falls from the clouds, it would melt in the warmer layer before refreezing in the cold air near the ground.

Areas north of the warm air received just another round of heavy snow while areas in southwestern Washington which had received 10-20 inches of snow Wednesday were dealing with just plain rain.

With another weak weather system racing ashore Thursday night into Friday morning and the north wind continuing to reinforce the cold air, we aren't expecting a changeover to rain until early Friday morning now but once it does so, we'll remain warm and wet for the rest of the weekend.

Periods of heavy rain Friday through Saturday on top of the snow blanketing all of Western Washington could cause river flooding in southwest Washington and urban and small stream flooding throughout the area.

Uncertainty is high with this expected flooding event and the snow melt is a big part of that uncertainty - in addition to the usual question of exactly how much and how intense the rain will be.

Snow melt can act in such a way as to hold the rainwater and then melt and release the water in a relatively short period of time which would greatly increase the river runoff. It is extremely difficult to say how the snow will melt.

In addition, river computer models do not always handle these situations very well so specific river forecasts may not fully indicate the existing flood risk.



Thursday, Jan. 19, 2012

Ice storm follows snow in Pacific Northwest

By Rachel La Corte, Associated Press

SEATTLE — A monster Pacific Northwest storm coated Washington with freezing rain on Thursday and brought much of the state to a standstill as the Seattle airport temporarily shut down, tens of thousands of people lost power and hundreds of cars slid off roads a day after the region was hit with a major snowfall.

The storm claimed at least one life — a child whose body was pulled from an Oregon creek where a car was swept away from a grocery store parking lot. Rescuers also searched Thursday for an adult missing in the creek in the Willamette Valley community of Albany, about 70 miles south of Portland, said fire department spokeswoman Wanda Omdahl.

On the icy interstate north of Seattle, a transportation department worker responding to an accident was injured in crash. He was taken to a Seattle hospital; no details were available on his condition or how he was injured.

Freezing rain and ice pellets caused numerous accidents in the Seattle area, where drivers are mostly inexperienced with driving in snow or ice. The last widespread freezing rain in Seattle was in December 1996, said meteorologist Jeff Michalski at the Weather Service office in Seattle.

The National Weather Service used the Emergency Alert System to break into Thursday morning broadcasts with an ice storm warning until noon for the Seattle area and southwest Washington. Among the concerns were widespread power outages and the threat that structures could collapse under the weight of ice. The Washington State Patrol said some of its troopers brought chain saws to work Thursday, so they could quickly remove downed trees on highways and roads.

Authorities are also worried about flooding in the coming days as temperatures warm up. "It's a very dangerous situation," with a major impact on roads, said Brad Colman, the meteorologist in charge of the Weather Service office in Seattle. "We're expecting a significant impact on power."

Ice closed Sea-Tac Airport completely in the early morning before one runway was reopened, but taxiways remain a problem even as runways were deiced. Many morning flights were delayed or canceled. Forecasters expect up to 0.4 inch of ice before temperatures rise above freezing by afternoon.

The state Transportation Department closed one highway because of falling trees that also took out power lines. Puget Sound Energy reported 70,000 outages at 7 a.m. Thursday, after crews had already brought 46,000 customers back on line since Wednesday.

"It's like a storm in slow motion that keeps happening again and again," said PSE spokesman Roger Thompson.

The ice follows a huge snowfall on Wednesday. Nearly a foot of new snow fell in Olympia, Wash., where 11 inches was measured at the airport. The record is 14.2 inches on Jan. 24, 1972.

Oregon didn't receive the snowfall that Washington did — but got plenty of rain.

Rising water from heavy rains swept a car carrying several people into an overflowing creek in Albany. Two people escaped but one child's body was recovered and an adult was still missing.

"The water just got high so fast," Omdahl said. "It's a big tragedy."

Washington State University in Pullman was closed. The University of Washington also cancelled Thursday classes at three campuses, including Seattle. Seattle schools were also closed again Thursday, as were schools in Bellingham in northwest Washington, and in southeast Washington's Pasco, Kennewick and Richland.

Lewis County, south of Olympia, had the highest snowfall amounts, ranging from 12 to 17 inches.

"It's unusual to get this much snow for western Washington," said Dennis D'Amico, a meteorologist at the National Weather Service in Seattle.

Forecasters warned that heavy rain combined with snowmelt could lead to some Washington river flooding, especially in the Chehalis River Basin, an area that has been hit by significant floods in recent years.

The storm caused hundreds of accidents but no fatalities.

"I saw a guy in my rear mirror," said Washington State Patrol trooper Guy Gill. "I saw headlights and taillights and headlights and taillights again as he spun around off the road." In Oregon, high winds hammered parts of the coast and caused power outages that initially affected tens of thousands of customers, with reports of gusts as high as 113 mph. There were no immediate reports of serious damage.

The Olympian theolympian.com

Thursday, Jan. 19, 2012

Residents advised to stay home – and be ready if power goes out

MATT BATCHELDOR

An ice storm left a sickly sheen on trees and power lines throughout Thurston County on Thursday, cutting power to about 40,000 and giving residents little chance to recover after about a foot of snow fell a day earlier.

Gov. Chris Gregoire declared a winter-storm emergency Thursday, allowing the state to activate the Washington National Guard and freeing up state agencies to help local jurisdictions, according to a news release.

Thurston County and the City of Olympia also declared emergencies.

About 40,000 customers in Thurston County without power in Thurston County may have to wait days for it to be restored, said Roger Thompson, a spokesman for Puget Sound Energy.

"It's clear now just from the size, the sheer number of outages, we're going to be into the weekend at least until we can get everyone's lights back on," he said.

And the number of outages could rise, as more freezing rain was predicted for Thursday night.

About 230,000 people lacked power in the Puget Sound area as of Thursday afternoon. Power crews had to double back to areas where they already had restored power, only to restore it again, Thompson said.

"The weather up to this point has been our enemy," he said. "I think we're needing the weather to be our friend."

Falling limbs and power lines wreaked havoc throughout the region, closing many key roads and making icy roads even more treacherous. For example, the entire length of Deschutes Parkway was closed as the limbs made the street impassable.

There were dozens of crashes but no serious injuries or deaths reported through midafternoon Thursday, said Sheriff's Lt. Greg Elwin.

People are advised to stay home – and to be prepared for staying home in the dark and cold.

Today's commute "is going to be very treacherous," he said. "They need to make sure they have appropriate provisions to live without power for a few days."

Amtrak service was suspended at the Centennial Station in Lacey, and Intercity Transit cut service to The Evergreen State College for a time. That service now is running on severe weather schedules.

The switch to regular, non-freezing rain might have to wait until today. But that will create its own problems: mountains of slush and urban flooding.

Though forecasters correctly predicted Wednesday's heavy snow, they were later to latch on to the coming ice storm.

"The precipitation moved much further north and was heavier than we anticipated," said Carl Cerniglia, a meteorologist with the National Weather Service in Seattle.

He said temperatures weren't expected to rise above freezing until as late as today. But rain and highs in the 40s are in the forecast for the foreseeable future, heaping more water upon the frozen precipitation.

That will cause some urban flooding initially. Residents are advised to help clear storm drains of snow and ice.

But forecasters are worried about river flooding later. A flood watch is in effect beginning late Friday. Cerniglia expressed concern about the Chehalis River.

Olympia was preparing to open its emergency-operations center, said Greg Wright, Olympia's emergency-management director. There, crews will coordinate efforts between the fire department and public works.

Wright, also an assistant Olympia fire chief, said his department wasn't handling major fires through midafternoon but was responding to multiple calls of trees and wires down.

There will be no garbage pickup in Olympia today; crews are set to work over the weekend.

Keith Eisner, a spokesman for Thurston County, said the emergency declaration would allow the county to purchase and make contracts without going through the normal process. It also allows the county to qualify for federal emergency funds if they become available.

People are cautioned not to use gas or charcoal stoves indoors.

"With the downed trees and power outages one of our biggest fears ... is carbon monoxide poisoning," Eisner said.

THE NEWS TRIBUNE

Thursday, Jan. 19, 2012 (4:06 p.m.)

UPDATED: More than 200,000 without power in region

Post by Stacey Mulick

UPDATED at 4:06 p.m.

Tacoma Power is reporting another outage in the Frederickson area that is affecting 1,830 customers. Crews on their way.

UPDATED at 1:49 p.m.

Hundreds of thousands of people throughout the Puget Sound region are without power today because of downed trees and power lines from this week's double winter blast of snow and ice.

Puget Sound Energy reports that 200,000 people are without power in the region. Pierce County reports that more than 75,000 people throughout the county are in the dark this morning.

Puget Sound Energy warns that they might not be able to restore power to the hardest hit areas until Saturday or beyond. Customers are without power in Pierce, Thurston and south King counties, spokesman Roger Thompson said.

More outages are being reported as ice-weakened trees continue to crash to the ground, taking power lines with them, Thompson said.

"Right now, it's more of a question of where there's not damage," he said. "Until the trees stop falling, it's pretty hard to put an end date on it. It's easy to see we're into Saturday now, but it could go beyond that."

PSE is calling in crews from California, Utah and Canada to augment nearly 100 crews already working in the region, Thompson said.

"It's just a huge challenge right now," he said.

Tacoma Public Utilities is asking residents in Graham, Frederickson, Spanaway and Roy to unplug their appliances and other electrical items and to turn down the heat.

"If there is too much of a demand when we turn the power back on, it can cause it to immediately go out again," the utility reports.

Among the outages:

* Peninsula Light Co. reports that 740 customers are without power in the Slyvia Lake area of Artondale.

* 2,249 Tacoma Public Utilities customers are without power in Tacoma and University Place from 70th Avenue West to Day Island and 31st Street West to 21st Street West.

* 600 TPU customers in the South End, from Yakima Avenue to Sprague Avenue and South 97th to South 112th Street.

* More than 2,000 Tacoma Power customers east Pierce County are still without power again today after the same transmission line that went out Wednesday night went down again. Originally more than 24,000 people were impacted.

* About 640 Tacoma Public Utilities customers in Browns Point are without power.

* About 2,600 Tacoma Public Utilities customers have no power in Tacoma from 51st Street West to 40th Street West, 67th Avenue West to Orchard Street, and 67th Avenue West from 35th Street West to Chambers Creek Road West.

* Puget Sound Energy reports there are 515 outage locations impacting 184,000 customers in Pierce, King and Thurston counties are among the hardest hit areas.

* Peninsula Light Co. reports 237 are without power.

* Power is out throughout downtown Puyallup, University Place, in Fircrest and South Hill.



Thursday, Jan. 19, 2012 (4:12 p.m.)

Puget Sound Energy responding to more than 200,000 customers out of power across region

Puget Sound Energy crews Thursday morning are working under extremely difficult conditions. Trees and limbs, weighed down by ice-encrusted snow, are breaking off and damaging power lines, resulting in new power outages to tens of thousands of homes and businesses.

Due to hazardous field conditions with falling limbs and trees, some PSE crews on Thursday morning have needed to stay clear from working near trees, impeding damage assessment and repair work. Crews will resume their work as soon as it's safe to do so.

As of 1 p.m., PSE is responding to more than 500 outage locations affecting approximately 200,000 customers. Hardest hit areas are in Thurston and Pierce counties and parts of King County. Since heavy snows began on Tuesday morning, PSE has restored power to approximately 51,000 customers in Western Washington.

PSE has requested 140 additional power line crews from other parts of the country to assist with repairs and restoration work, which is expected to extend well into the weekend.

We have 75 four-person power line crews, 27 two-person tree crews and 76 servicemen available and assisting with restoration efforts.

We can't make full estimate of how long the restoration effort will take until the ice and snow storm -- and the damage it's causing -- ends and our crews can make a comprehensive assessment of the damage. But right, we think it will be 3 to 4 days...maybe longer.

We appreciate our customers' patience as we work to repair power as quickly as possible, with safety our top priority.

People who need to report a power outage, should call Puget Sound Energy at 1-888-225-5773 or login to My.PSE.com.

Outages Listed by City and ZIP Code

Current outage data is available from the PSE Service Alert: Text Version page. These tables show the extent of outages by city and by ZIP code.

Stay clear of all downed power lines. Do not go near a downed power line. If you see a downed power line, assume it is still energized and dangerous. Notify PSE at 1-888-225-5773 or call 911 if you see a downed power line.

MercerIslandPatch

Thursday, Jan. 19, 2012 (1:08 p.m.)

Update: More Than 1,000 Mercer Island Homes Without Power

Puget Sound Energy is working to restore power to more than 180,000 homes in its service area due mainly to fallen tree branches and ice on power lines from the snow and freezing rain, and outages are expected to continue this afternoon and evening.

By Kendall Watson

Update, 2:30 p.m., Thursday: According to PSE's service outage map, there are now 1,098 Mercer Island customers without power as of 2:25 p.m. If you click on the map and choose the "zip code restoration view" you can get a sense of whether repairs are under way. As of 2:30 p.m., nearly all the outages on Mercer Island are still listed as "assessment/mobilization," though some repairs have been completed.

If you've lost power, let your neighbors know in the comments below. And if yours comes back on, let us know that, too. It might give us a sense of the progress being made, as it's been tough getting an update from the obviously busy PSE folks.

Mercer Island's trees and power lines appear to be avoiding the worst of the ice storm, but Puget Sound Energy is still working to restore dozens of homes without power on Mercer Island.

Over 180,000 homes in King, Pierce and Thurston counties have lost power today and the outlook for restoring service remains uncertain as freezing rain continues to fall. At last count (as of 1 p.m.), 54 homes on Mercer Island were without power.

PSE spokesperson Andy Wappler said despite the efforts of hundreds of repair crews in the area, having a hard time assessing the damage, and having a hard time assessing restoration of electricity at 515 affected locations.

Patch readers on the South End of Mercer Island and other neighborhoods have reported power outages starting late last night and this morning.

Mercer Island resident Connie Clark-Redmond reported losing cable service at 10:30 p.m. last night and power briefly flicker but remain on. She reported her cable had returned this morning but the ice storm appeared to be increasing the likelihood power outages would increase.

"Tree branches are snapping all over the place with the weight of the ice," she said. "I wouldn't be surprised to see power and Comcast outages all day."

Another local resident, Rinnie Yang reported on Twitter that a large branch from a tree on city property fell into their yard under the weight of snow and ice and crushed part of their fence.

PSE posted the following update on power outages at 11 a.m. on its website:

Puget Sound Energy crews Thursday morning are working under extremely difficult conditions. Trees and limbs, weighed down by ice-encrusted snow, are breaking off and damaging power lines, resulting in new power outages to tens of thousands of homes and businesses.

Due to hazardous field conditions with falling limbs and trees, some PSE crews on Thursday morning have needed to stay clear from working near trees, impeding damage assessment and repair work. Crews will resume their work as soon as it's safe to do so.

As of 11 a.m., PSE is responding to 515 outage locations affecting approximately 184,000 customers. Hardest hit areas are in Thurston and Pierce counties and parts of King County. Since heavy snows began on Tuesday morning, PSE has restored power to approximately 51,000 customers in Western Washington.

PSE has requested 140 additional power line crews from other parts of the country to assist with repairs and restoration work, which is expected to extend well into the weekend. There are 75 four-person power line crews, 27 two-person tree crews and 76 servicemen available and assisting with restoration efforts.

We appreciate our customers' patience as we work to repair power as quickly as possible, with safety our top priority.

To report a power outage to your home, call PSE at 1-888-225-5773 (select menu option 1).

When we get more information about efforts to restore power to Mercer Island customers we'll update this story.

Stay on top of the Winter Weather and snow at Mercer Island Patch by checking our Winter Weather topic page, found by clicking here.

In the meantime, here are some tips for preparing for winter weather emergencies. And don't forget to charge up those laptops, cell phones, and tablets while the power's on so you can continue to get information in the event of an outage.



Thursday, Jan. 19, 2012

Puget Sound Energy reports more than 17,000 Issaquah customers without power

By Warren Kagarise

Puget Sound Energy said almost 30,000 local customers lack power as a crippling ice storm impacts the region.

The utility said 17,281 customers in Issaquah and 12,369 customers in Sammamish lacked power at 1:25 p.m. (Customers can check PSE's service map for detailed information.)

PSE estimated power restoration could take several days — or longer — as crews confront difficult situations related to ice and snow, the utility announced in a tweet.

If the power goes out, PSE customers can call the utility's automated phone system at 1-888-225-5773 to report outages and learn about service updates.

Overall, outages impacted more than 180,000 customers across Western Washington. Bellevue-based PSE requested 140 additional crews from other states to address the problems and restore power.

"We appreciate our customers' patience as we work to repair power as quickly as possible," PSE posted in a tweet at noon.

The Seattle Times
Winner of Eight Pulitzer Prizes

SOAKED REGION FACES BLAST OF WINTER WIND

Tired of snow? Rain? Good. Now, we get wind.

By Carol M. Ostrom, Seattle Times staff reporter - MARK HARRISON / THE SEATTLE TIMES

We've had snow. We've had sleet. We've had rain. Now, we get wind. And flooding.

About the only thing left is pestilence, or maybe some fire and brimstone.

"I feel a little like someone trying to scare people, but we just have a lot of weather going on," said Dennis D'Amico, meteorologist with the National Weather Service (NWS) in Seattle.

The weather service issued a wind advisory for most of Western Washington beginning about midnight Friday and continuing until midmorning Saturday, with winds of 20 to 30 mph and gusts up to 45 mph.

The picture the NWS paints is not pretty — slush-heavy branches falling and trees uprooting from the waterlogged soil, among other things.

"Gusty winds may snap tree branches and cause local power outages," the wind advisory reads.

They must have meant to say "*more* power outages, since hundreds of thousands have already had power interruptions."

The winds aren't unusual for a January storm, D'Amico said. But given the soaked ground and stressed trees, "the potential impacts are much higher for this windstorm."

Friday was a day to try patience. The Tacoma Narrows Bridge was closed for ice removal, backing up traffic at the Bremerton and Fauntleroy ferry terminals, where the lines swelled with drivers who had to avoid the bridge.

At one point in the early evening, the wait in both directions was two hours.

Syndie Hagardt, a Pierce County employee, crossed the Narrows Bridge in the morning to get to work, which started two hours late. Now she was expecting to wait in the ferry line another couple of hours.

"It was a bad day all around," she said.

There's a little good news for Saturday: The wind should lessen around 10 a.m.

And there might even be a little break Saturday afternoon, D'Amico said — a "hole" created by a good westerly air flow toward the Olympics, generating a little rain shadow that could protect us momentarily — until the next system comes in Sunday. With more rain.

If you're counting, that's Storm No. 4. The snow we had last weekend? That didn't count. It was not an "organized, widespread system," D'Amico said.

The current-and-pending rain volume has generated a flood advisory from the weather service, which says urban and small streams could quickly become overloaded with water as they fill with melted snow and rain.

In other parts of the state, there are flood watches for the Skokomish River in Mason County, the Chehalis River, which begins in Lewis County and drains into Grays Harbor, and its tributary, the Newaukum River, D'Amico said.

The flood advisory, which continues until 3:30 p.m. Saturday, includes most Western Washington counties. The weather service says to expect light to moderate rain, with some heavy rain.

With the melting snow, "expect ponding of water on roads and in neighborhoods," the weather service said, noting that "stormwater will pool in the snow cover before eventually melting and running off."

City and county officials have asked residents to help clear debris and snow or ice from storm drains and culverts.

"Do not underestimate the power of floodwaters," the advisory warns. "Only a few inches of rapidly flowing water can quickly carry away your vehicle."

Sheesh.

The Seattle Times

Winner of Eight Pulitzer Prizes

Local News

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Outages persist into weekend, with winds on the way

Some 200,000 customers enter the weekend without electricity. And a forecast of wind could mean fresh outages.

By Bob Young, Seattle Times staff reporter

Friday's rain was welcome relief for power-line crews who were able to better assess and repair a rash of outages that left some 200,000 homes and business still without electricity going into the weekend.

Puget Sound Energy (PSE) sent out a helicopter to appraise damage, especially to big transmission lines that carry electricity through forested areas from far-flung dams to our cities. Crews pouring into the region from as far away as Alaska and California were able to travel local roads. And some workers finally could reach lines threading through trees and start restoring power. In all, PSE had 150 crews working, with another 60 expected to arrive early Saturday.

But make no mistake, many people will remain without electricity — perhaps into next week — especially considering the wind advisory in effect through Saturday morning. "We're expecting outages to last through the weekend," said PSE spokeswoman Gretchen Aliabadi. "It's really going to be about how kind Mother Nature is to us. If big winds come, that will not help."

PSE accounted for nearly all of the region's quarter-million customers in the dark, and the ice storm that had encrusted the region's roads and trees Thursday kept most crews from getting out to trouble spots, Aliabadi said.

No deaths or serious injuries were reported Friday. One family was treated for carbon-monoxide poisoning from using a grill indoors.

As of Friday evening, PSE reported 239,000 customers without power. Snohomish Public Utilities tallied 8,000; Tacoma Power said 2,750; and Seattle City Light had 121.

While people contended with the dark and cold, firefighters were busier than ever, coffee shops became cellphone-charging stations, intersections were clogged by malfunctioning traffic lights, and all kinds of people found warmth in emergency shelters.

South county hit hard

For PSE it's been one step forward, then back. Crews have restored power to 157,000 customers in Western Washington, according to PSE. But as they were doing that, new outages were occurring, mainly because of trees and lines laden with ice and heavy snow.

If you're wondering why that downed line in your neighborhood hasn't been fixed, Aliabadi explained PSE's strategy is to work from the biggest feeder lines, which supply thousands of customers, down to the very local ones that serve just dozens. In all, there still were nearly 600 separate trouble spots left to fix Friday night, even after nearly 550 had been repaired.

Likening the system to a funnel or highway network, Aliabadi said the utility prioritizes jobs by starting with ones that will restore power to the most customers. Eventually, workers will get to all customers. But it's most efficient if they follow a high-voltage hierarchy from big wires to substations to neighborhood distribution lines.

PSE outages occurred in a crescentlike swath starting in North Bend and moving down into King, Pierce and Thurston counties. Hardest hit in King County were Kent, Auburn, Renton and Federal Way, which a city spokesman called "ground zero for the ice

bomb."

About one-third of Federal Way's homes and businesses were without power Friday, said spokesman Chris Carrel.

A Kent firefighter said he'd never experienced anything like this storm. "I've been with this department 22 years, and the last 48 hours were the busiest I've ever seen," said Capt. Kyle Ohashi of the Kent Fire Department.

He said the department has received and responded to about 500 calls over the past two days, compared with the 40 it receives on an average day.

Firefighters have been called about fallen limbs, downed power lines and small candle and brush fires, Ohashi said. Firefighters also responded to a residential fire in the 27300 block of 154th Avenue Southeast that displaced a family of four and killed a cat on Thursday, he said.

A fire investigator determined the blaze was caused by a portable generator that had been placed too close to the home, Ohashi said, and ignited the home's cedar siding.

One family was treated for carbon-monoxide poisoning at St. Francis Community Hospital in Federal Way after cooking on a grill inside a home. The family was released from the hospital, according to Red Cross volunteer Donna Cirincione.

Cars backed up for blocks in parts of Kent and Renton as traffic lights flashed red or were dark altogether. Patrons packed a Renton Starbucks to charge cellphones and laptops. Across the street, a gas station accepted only cash after its debit-card system crashed.

Scenes at the shelters

Emergency shelters in South King County also were busy.

Linda Hansen, 75, was buried beneath covers in her Federal Way apartment trying to stay warm. When the temperature inside got down to 56 degrees, a neighbor drove her to a Red Cross shelter, where she read a novel, put together a puzzle and made new friends. "You just go with the flow," Hansen said.

A warming shelter in Auburn became a tangle of cots. Greg Gibson, 48, who recently became homeless, considered it a godsend — even though the shelter itself lost power for a few hours. "The thing about this place is that everyone pulls together here," Gibson said.

Kent Lutheran Church opened a shelter that served not only 30 homeless people but also the church's pastor, Jane Prestbye, who lost power at home. Prestbye and her dog, Kenna, have been sleeping on mats in the church office. "One man told me, 'I have ice on my tent and branches are falling on it,' " the pastor said. "It wasn't safe for him to be in the woods."

Hunkering down

Many people adapted to loss of electricity by staying with friends or relatives, or just being patient.

Sandy Sun, of Mercer Island, packed up the kids and dog in a minivan and went to her parents' house in Edmonds because she couldn't keep her infant twins in a freezing house. She and her husband also brought the contents of their refrigerator and freezer; she said they couldn't afford to throw out hundreds of dollars in spoiled food. "It gets expensive in this recession. We left the ketchup and mustard behind."

Brooke Hubbard, of Sammamish, camped out in front of a woodstove with her father after they lost power Thursday morning. They made tea by heating water on the woodstove, which took nearly an hour. While neighbors stayed toasty to the hum of generator power, Hubbard and her father went off to a friend's place in Bellevue after 24 hours of powerless cold.

Some did not expect electricity to come back for a few more days. Leif Olson, wine steward at the PCC store in Issaquah, said he wasn't too concerned about his dark Squak Mountain house. A power line was downed at the end of his driveway, and he figures crews will get to him when they have time.

"I have a feeling it's going to be a few days. There are a lot of lines down. It's an older neighborhood, and it's on a hill," Olson said. "It's to be expected. This is the Northwest."

Aliabadi can relate to disappointed PSE customers. Her home in Issaquah lost power.

"I understand that if you're sitting in a dark, cold house with children, as I have, it can be a very frustrating time."

Seattle Times reporters Nancy Bartley, Christine Clarridge, Emily Heffter, Katherine Long, Jennifer Sullivan, Lark Turner and Mike Lindblom contributed to this report.

Bob Young: 206-464-2174 or byoung@seattletimes.com



Tuesday, Jan. 24, 2012

Power crews deal with new outages from high winds

SEATTLE – Winds hammered the Puget Sound region on Saturday morning, with gusts to 50 mph in some places, including Seattle. The winds caused problems for crews working to restore power to customers left in the dark after the snow and ice storm.

"Unfortunately that howling wind that maybe lost us some sleep lost us some ground," said Andy Wappler of Puget Sound Energy.

Wappler said PSE was down to 180,000 customers out of service before the wind began, which meant that power was restored to some 40,000 customers between 10 p.m. last night until about 4 a.m. Saturday morning. Click for utility company links, info

"But unfortunately those numbers are marching up again," he said.

PSE has 900 utility line people in the field - that's 200 crews, Wappler said.

"We're giving it the full press but we're not getting any break from the weather," he said.

Wappler said over the course of the week, crews have restored power to about 400,000 customers.

"We know that really the number that counts is one, which is that one customer at home that's going to say 'what about me?'" he said. "Believe me we have not forgotten about you, we will keep working."

The snowmelt, combined with heavy rain, brings the threat of flooding. An urban and small stream flood advisory is in effect for most of Western Washington.

A flood warning was in effect for the Skokomish River in Mason County.

Between 2 and 5 inches of precipitation fell on the south slopes of the Olympic Peninsula in a 24-hour period. The freezing level has been in the 5000 to 7000 foot range so most of that fell as rain.

After a fairly calm afternoon with a few showers and sun breaks, another storm will head our way.

"That's going to bring with it more rain and more wind," said KING 5 forecaster Keisha Burns. "The wind this time focused around the north interior, with gusts to 60 mph.

On Sunday and Monday, more rain is likely, though showers will decrease later Monday with some sun breaks.

Highs will remain mostly in the low to mid 40s. Overall, next week looks wet with temperatures near or just slightly below average.

KOMOnews.com

Tuesday, Jan. 24, 2012

Six days later, many homes are still without power

By Denise Whitaker

[Watch video here](#)

LACEY, Wash. -- Power has been restored to hundreds of thousands of western Washington residents, but many more are struggling through their sixth day in the dark.

On Tuesday, Puget Sound Energy said crews are still trying to bring power to 1,000 customers in Thurston County alone.



Many of the people who don't have power are filled with tears, rage and frustration.

Dozens of renters in one Lacey neighborhood say they don't understand why they can see lights in homes all around them while they sit in the dark for a sixth day.

"I can't go another night, I really can't," said resident Monica Crawford. "Mentally, it's very hard to be without power right now, just mentally draining."

Just about out of firewood, which is her only source of heat, Crawford is now working to keep her 78-year-old mother warm with blankets.

Helma suffers from Alzheimer's disease, and Crawford is doing her best to comfort her.

Rob Lyon has been in the dark for nearly a week. He suffers from cerebral palsy and needs a wheelchair to get around, and he's had to get himself into grocery stores to recharge his wheelchair the past six days.

"Every place around me has power except my street," Lyon said.

When his frustration reached a breaking point, Lyon took a bus to PSE's Olympia office to make his feelings known.

"I am protesting PSE," he said. "I'm going to sit here until they turn it on."

PSE's Andy Wappler said crews are working around the clock to fix the problems.

"Honestly, I feel good about the response," Wappler said. "Bottom line, we need to stay on the job and once we've got everyone's power back on, then we'll look back and ask, 'What could we have done better?'"

On Tuesday, crews were finally able to replace an underground transformer that brought Lyons, Crawford and the rest of the neighborhood back on line.

Unfortunately, Lyons said the return to power was short lived. He said the new transformer blew and the neighborhood is once again back in the dark.

Tuesday, Jan. 24, 2012

Puget Sound Energy may give \$50 credit for outage

BELLEVUE, Wash. -- Puget Sound Energy crews continue to work around the clock to restore electricity to about 27,000 Western Washington remaining customers who lost power in last week's storms.

Roger Thompson said late Monday night that about half of those remaining outages are in Thurston County, with the rest split between south King and Pierce counties. Thompson says the utility hopes to have most in King and Pierce counties back in service Tuesday, then divert all crews to Thurston County. In all, more than 1,500 linemen are working to restore power, though not all work at the same time. View PSE restoration times PSE service alert map

The utility says since last week's snow storm, it has restored power to more than 380,000 customers.

Spokeswoman Gretchen Aliabadi said Monday that Puget Sound Energy customers who are without power for five full days are entitled to a \$50 credit on their bill. For more information, visit the Customer Service Guarantees page on PSE.com or call 1-888-225-5773.

As of 7 a.m. Tuesday, Tacoma City Light reported 150 customers without power. Tanner Electric, which serves North Bend, Anderson Island and southern Puget Sound, reported 28 customers without power.



Tuesday, Jan. 24, 2012

PSE hires troopers after powerless customers threaten employees

Watch video here

OLYMPIA —

Puget Sound Energy is hiring off-duty Washington State Patrol troopers to provide security at the utility's Olympia offices after some customers without power threatened PSE employees, KIRO 7 Eyewitness News has learned.

Last week's snow and ice storms knocked out nearly 400,000 customers or more than a third of PSE's 1.1 million electrical customers in Western Washington. Thurston County is among the areas hardest-hit, and most of the 22,000 customers still without power on Tuesday were in the South Sound.

Another reason for the added security in Olympia is that officials are worried that with so many vehicles coming into the supply yard, metal thieves could slip in and steal wire or other supplies, said KIRO 7 Eyewitness News South Sound Bureau Chief Richard Thompson.

Meanwhile, frustration is building among people like Jay Fairbanks, whose Lacey home has been without power for six days.

"In trying to contact them, we just get a recording. We can't get through to a real person to talk to them about when they're coming or if they are coming," Fairbanks said.

Jay's daughter, who is also still without power at her own home, said she thinks that after nearly a week, PSE should have the lights back on.

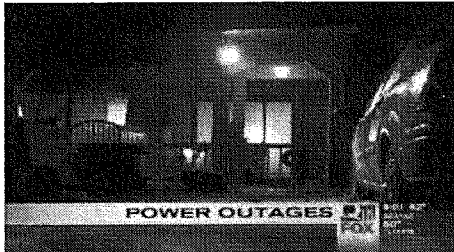
"The response time -- going on a week -- seems to be a little excessive," she said.

Tuesday, Jan. 24, 2012

Now it's a matter of getting rid of storm debris...

By James Lynch

Watch video here



ISSAQUAH—

Puget Sound Energy said Tuesday night there were about 12,000 customers who are still in the dark, but there were fears the high winds and rain could cause a second round of outages.

In Black Diamond, Michele Welborn and her five children have been living without power for six days, but when they arrived home Tuesday night, the lights were back on and they finally could turn the generator off.

"It's been pretty rough," Welborn said. "It's dark, it's hard to see what we're doing, it's been really cold. We have a generator but the furnace went out. And so trying to heat up this place is hard."

Since the outages started last week, nearly 400,000 customers have been brought back online by crews working around the clock to help families like the Welborns resume a normal life.

"Oh my gosh, it is so nice," she said of the power. "It's funny, you take those modern conveniences for granted, just keeping warm and having food to eat and seeing what you're doing."

Now that the power is back on, the next step, as it has been for many others, is to clean up down trees

Brain Fisher, in Issaquah's Mirrmont neighborhood, said with resignation, "Do it yourself, or pay somebody else to do it.

"We lost two or three trees and, depending on the size, it will take a few hours to clear each one depending on the size of your chainsaw and how much help you have," he said.

Fisher plans to turn his down trees into mulch and firewood, but for some homeowners exactly what to do with the mess is a big problem.

Fortunately, the major garbage removal companies will pick up some of the mess in your yard and food waste cart -- as long as it's not too big (limbs less than 4 feet in length, not to exceed 4 inches in diameter). And nothing can exceed 60 pounds.

AP Associated Press

Wednesday, Jan. 25, 2012 5:38 PM ET

New wind-caused power outages in W Washington

BELLEVUE, Wash. (AP) — Gusty winds that blew through Western Washington Tuesday night and early Wednesday added more power outages as utility crews are still trying to restore service to customers who have been in the dark since last week's snow and ice storms.

Puget Sound Energy reports 38,000 new outages, mostly in Whatcom, Skagit, Island and Kitsap counties. Spokesman Roger Thompson says crews have restored all but 10,000 of those and the utility hopes to have them back on line Wednesday.

Meanwhile, PSE crews also hope to finish restoring service Wednesday to about 12,000 snow and ice outages, mostly in King, Pierce and Thurston counties.

Seattle City Light reported the overnight winds left about 7,500 customers in the dark. Crews are making repairs

The Seattle Times

Wednesday, Jan. 25, 2012

Professional pride powers workers who came to fix downed lines

By Nancy Bartley, Seattle Times staff reporter

Line workers came from all over to help restore power to nearly 400,000 Puget Sound Energy customers after last week's storm, and many are still working on it.

In the gloom of a rainy afternoon, workers tightened the sagging wires from their perch in a white bucket truck, high above Redondo Way South. Somewhere, about 166 Puget Sound Energy customers were edging closer to having electricity restored.

Lured by lucrative overtime and professional pride in coming to the rescue, more than 1,100 line workers from multiple states and Canada flocked to the Northwest to help in the wake of last week's ice storm. Most began arriving last Thursday but with 12,000 Puget Sound Energy customers still out of power Tuesday night, the lineworkers have been asked to stay around for a few more days, said Brandon Erickson, general foreman with International Line Builders (ILB).

Puget Sound Energy contracts with ILB and other companies to help restore electricity when the problems are more than the company's own crews can handle quickly. Since the storm, the a total of nearly 1,400 lineworkers have restored power to nearly 400,000 homes and businesses — about a third of the utility's customers. Of those that remained in the dark Tuesday night, most were expected to have power restored by Wednesday, with a few that might stretch into Thursday.

For the linemen, it's just as satisfying getting power restored to a few households as it is to many, said Erickson, 38, a second-generation lineman from Oregon.

"People come up to us after being without power for four or five days, they're real happy to have their power back on," he said. "For us it's a pride issue. We work 18-hour shifts but if we're within an hour of someone getting power, we'll just keep working."

Puget Sound Energy has set up a staging area in a tent at Boeing where lineworkers start the day with breakfast and end it with dinner — if they're in the area and not too involved in a job to break free. When that happens it's burgers.

Erickson is clean-cut and wiry, wearing a baseball cap, jeans and Gore-Tex. His truck is filled with pop cans, a Marlboro cigarette pack and a can of Kodiak tobacco. From the front seat, he watches the crew as they replace the crossbars on the telephone poles. He looks for "widow-makers," branches that might fall unexpectedly, and other hazards. The crew has been on the job for hours.

The linemen all have regular day jobs — in the case of the ILB — they were replacing poles for Pacific Gas & Electricity in California when they got news of the storm, got in their trucks and headed north. Many were here in the Christmas snowstorm and power outage a few years ago, Erickson said.

"Storms take priority. When we get home, we'll get a nice rest and then go back to the job we were working on."

For the linemen's families, "it might mean postponing Christmas until the old man gets home," or not being around for an anniversary or birthday. It's an occupation that takes its toll on marriages, said Erickson, a divorced father of two. "You're living in small towns, you're traveling all the time."

PSE's trucks and the ones that came in to help with this storm would stretch more than 10 miles if you parked them bumper to bumper, said PSE spokeswoman Gretchen Aliabadi.

PSE storm response

BY THE NUMBERS

Lineworkers from here and elsewhere: Nearly 1,400

Damage sites: 311

Fuses replaced: 8,000

Wire replaced: 70 miles

Poles replaced: 250

Wire splices: 28,000

Source: Puget Sound Energy

Rain streamed down the windshield of Erickson's truck. Greg Daft, a Nevada lineman for ILB, walked up to the truck.

"I'm going to go ahead and energize that," he told Erickson.

Erickson nodded. "It's going to rain today," he said.

"Quack, quack," Daft responded.

"Geez, I love this weather," Erickson said.

"Those trees are going to come down again," he added, looking at others tilting toward the road.

At the end of an 18- or 20-hour shift no one has a problem sleeping. PSE put the crew up in a hotel but on other jobs it's hard to find places to sleep and they end up in Red Cross shelters or sleeping in their trucks, Erickson said. They keep food and water in their trucks at all times, just in case.

The bucket truck has moved away from the line. Daft called dispatch, giving the authorization to "heat it up."

Moments later, a dark neighborhood suddenly turns bright.

The Seattle Times

Seattle Times blog Tuesday, Jan. 24, 2012 at 10:29 PM

<http://today.seattletimes.com/2012/01/pse-recruits-state-patrol-to-provide-security-while-crews-try-to-restore-power/>

THE TODAY FILE

Your guide to the latest news from around the Northwest

PSE recruits State Patrol to provide security while crews restore power

Posted by Erik Lacitis

If you were wondering what that State Patrol guy was doing, parked all day in front of a Puget Sound Energy office, just call it a little security precaution.

All those crews restoring power to over 404,000 customers also meant there was plenty of good stuff for the taking.

"These are not lock-down facilities. We've got people who come here to pay their bills. Nobody has to show ID," said Roger Thompson, PSE spokesman.

"You never know, somebody decides to put on a hardhat, and perhaps make off with a duffel bag of tools and radios."

Thompson said the utility has hired off-duty State Patrol officers, and officers from other police agencies, during previous storms.

This time, he said, there are eight to 10 cops assigned to PSE offices in Olympia, Kent, and other sites in King, Pierce and Thurston counties.

"They sit by the entrance, just to show that they're there," said Thompson.

He said that 1,500 utility vehicles and crews from a dozen states have been working to get power back on.

"We've got people coming and going, and tens of millions of [dollars in] expensive equipment," he said.

Thompson said that on a couple of occasions during this storm, thieves have targeted downed power lines for their valuable copper.

"Over the last couple of days, we've had people taking bolt cutters and reaching up as high as they could on the pole and cut the wire," he said. "That's terrifying. You don't know if those lines are energized or not."

Thompson said that some 12,000 customers were without power on Tuesday night, mostly in South King County and Thurston County. He said that PSE expected power to be restored to everyone sometime Wednesday.

The Olympian theolympian.com

Wednesday, Jan. 25, 2012

Winds set back power restoration

As of 4 p.m. Tuesday, about 6,400 customers remained without power in Thurston County. That was before the winds kicked in.

“Winds are the wild card,” Puget Sound Energy spokesman Roger Thompson said. “There are a lot of very fragile branches and limbs hanging by a shred of bark.”

Scattered new outages were reported Tuesday afternoon and early evening.

“We expect the overwhelming majority of people in Thurston County to have power by sometime on Wednesday,” Thompson said.

He said there are about 500 linemen in the county and crews will work around the clock until power is restored to the last customer.

The last pockets will likely be in the Rochester, Johnson Point and Nisqually areas, Thompson said.

He urged people who think they may have been overlooked to call the reporting line – 1-888-225-5773 – and follow the menu through. “You will reach a live person,” he said.

Thompson said he knows it can be frustrating to see power on in neighboring streets and emphasized, “No one is being overlooked. No neighborhood is more or less important.”

He said the first repair efforts were focused on major transmission lines. Then crews moved on to substations, and from there out to the network supplying neighborhoods and eventually to individual service lines. PSE has restored power to 394,000 customers in Western Washington since the snow began, he said.

AP Associated Press

Tuesday, Jan. 24, 2012

Puget Sound Energy may give \$50 credit for outage

BELLEVUE, Wash. (AP) — A Puget Sound Energy spokesman says the utility is working to restore electricity to about 27,000 Western Washington customers who lost power in last week's storms.

Roger Thompson said late Monday night that about half of those remaining outages are in Thurston County, with the rest split between south King and Pierce counties. Crews continue to work around the clock. Thompson says the utility hopes to have most in King and Pierce counties back in service Tuesday, then divert all crews to Thurston County.

In all, more than 1,500 linemen are working to restore power, though not all work at the same time.

The utility says it has restored power to more than 380,000 customers.

Spokeswoman Gretchen Aliabadi said Monday that Puget Sound Energy customers who are without power for five full days are entitled to a \$50 credit on their bill. She says those people should contact customer service.



Monday, Jan. 23, 2012 at 6:36 PM PST

Historic storm has passed, but thousands remain in the dark

By KOMO Staff

SEATTLE -- The snow and ice that blanketed western Washington last week is now melting away, but thousands of residents and business owners are still without power as repair crews work to clear the carnage left by fallen trees and branches.

At the height of the outages, more than 300,000 western Washington customers were without power.

Now, some five days after the first trees began to fall, the majority of the problems have been fixed. That good news gives little solace to those who are still in the dark.

By Monday afternoon, Puget Sound Energy crews were still working to get 39,000 customers back on line, and Seattle City Light still had four outages in the city. As many as 400 Tacoma Power customers are also without power.

Gary Beneze of Issaquah has been in the dark since last Wednesday. He loves where he lives, but said last week's storm was too much. Beneze and his wife agreed it's time to move.

"We built this house 20-year ago ourselves, but enough's enough," he said. "We're getting ready to retire and it's time."

Unlike many of her neighbors, Issaquah's Beth Wray doesn't have a generator. So when her home temperature dropped into the low 50s late last week, she and her family of five gave up and checked into a hotel.

"We vacillate between having fun and wanting to tear each other up and choke each other," she said.

Wray lives in the Mirrormont neighborhood, where it's been raining tree limbs for days. She, like so many others in the neighborhood, is waiting for the cavalry of repair crews to arrive and get her home back on line.

Kent was also hit hard by the storm, with thousands of homes and businesses still in the dark

The outages are so widespread that repair crews have come from places as far away as Utah and Missouri to help the overwhelmed PSE crews.

According to PSE's Andy Wappler, 280 out-of-town repair crews have been called in to help.

The past five days have been especially difficult for people like Barry Zirko. Zirko and his neighbors have been in the dark since last Wednesday, while everyone on the other side of the street has power.

"Yeah, I'm tired of living in 1880," he said. "Especially when the 21st century is just across the street."

Frustration over the outage is growing in places like Lacey, where some 300 have been without power for five days.

Laura Tuller is hoping to get her lights back on soon. Her daughters are cold, one of her fish died and all her food has spoiled.

"I have a handicapped daughter, my neighbor has a handicapped daughter, they have little kids. They just need to hurry up," she said.

Since the outages began popping up, Wappler said crews have repaired 53 high voltage transmission lines and 70 sub stations. They've also strung 70 miles of new wire, replaced 250 downed or damaged poles and made 28,000 wire splices.

PSE is now offering a \$50 credit for all customers who go without power for five days.



Monday, Jan. 23, 2012, 10:03 p.m. PST

Thousands still without power days later; Eastside mudslide

By James Lynch and Jeff Van Sant Q13 FOX News reporters

Thousands of people in the Puget Sound region were still without power on Monday night, several days after the snow and ice storm struck the Pacific Northwest.

Meanwhile, a mudslide damaged homes and closed part of the Lake Sammamish Parkway in Bellevue.

Puget Sound Energy said that as of 10 p.m. Monday, there were still 27,000 of its customers without power, mostly in Thurston and Pierce counties and in parts of King County. Tacoma Power and Snohomish County PUD said they each just had a couple hundred customers without power.

In Covington, the lights went out for William Hallett on Thursday, so he's been using a generator for his power.

"I was able to do a small load of laundry yesterday," he said. "I can cook, everything runs, just depends on how much power you can use out of the generator."

Despite the loss of power, Hallett said he was frustrated and understood it might take time before his power goes back on.

"These guys (PSE) are working their butts off," he said. "And I know it. I mean, they (PSE guys) are everywhere you look around."

But Scott Sylvester said, "I think the most I've been without power before has been maybe two day, and this seems to be going on and on."

On the Eastside, Lake Sammamish Parkway Southeast was closed from Northeast 2nd and Northup Way to the north and Southeast 26th on the south.

"A large area of land moved, it went downhill," said Mike Jackman of the city of Bellevue. "It undermined the road and it impacted some homes rather severely."

"We have a roadway to rebuild and reopen. We have a water system to rebuild and then we have to work with property owners and help them any way we can to recover their property and we have a slide area that we need to make sure it's stable."

The big question is, how long will this roadway be closed? No one is sure. But the best guess is anywhere from three days to two weeks.



Monday, Jan. 23, 2012 at 5:41 PM

One more long day for most PSE customers without power

by MEG COYLE / KING 5 News

TACOMA -- Tens of thousands of people across Puget Sound are in for yet another cold, dark night.

Puget Sound Energy estimates the bulk of the outages should be repaired by Tuesday and everyone should be back online by Wednesday evening.

As of Monday, PSE reported 39,000 customers still without electricity. Tacoma City Light is down to a few hundred customers without power.

PSE had 280 crews in the field on Monday -- the highest crew count they've had since the power first went out during last week's winter storm.

Robin Stewart's house in Auburn is still in the dark -- day 5 and counting. Stewart and his wife's home of 20 years has weathered many storms. But this last one has already taken a big toll.

"I can't afford to go back to a hotel," he said. "I'm still going to have to go out and eat because I can't cook or anything here."

Robin's wife is diabetic and now powerless without a working life alert system.

"She cannot walk very well, so getting her around or out of the house has become very important because her health deteriorates very quickly," said Stewart.

Power companies are getting help from other states. A crew from California worked in Kent Monday, and said they're here for the long haul.

"One thing about line work is your wife's always asking when you're coming home and you never know," laughed lineman Nick Hunter.

At the peak of the storm, PSE had 210,000 customers without power.

Tuesday, Jan. 24, 2012

Lengthy outage frustrates residents

Jeremy Pawloski

About eight Puget Sound Energy customers who live at De Tray's Mobile Home Park off Fones Road are among the thousands of customers in Thurston County without power since Thursday, and they're growing frustrated.

De Tray's resident Odin Vargas said that he, his wife and their 2-year-old son have been forced to stay with his mother in Centralia to stay warm. Vargas said he's making a daily drive into Olympia for his job with a janitorial company.

"The gas is expensive driving back and forth from Centralia," he said.

He added that he keeps calling PSE to check on the status of when power will be restored, but "they say they don't have the time. They have to wait until they can fix it."

A PSE spokeswoman said that as of 4 p.m. Monday, there were still about 16,000 Thurston County customers without power after a three-day extreme weather event – a snowstorm, then an ice storm, followed by heavy winds – hammered South Puget Sound. That's down from about 30,000 Thurston County customers without power as of Sunday evening.

But nearly halving the number of those without power in one day is little solace for those who are still waiting for their cold homes to warm up. Especially when, as is the case with those at De Tray's Mobile Home Park, they can see neighbors across the street with electricity.

Sandie Maki, 67, said the power at her mobile home has been out since Thursday. "I just threw out \$250 worth of food," she said. She said she bundles up every night in two pairs of socks, slippers, extra sweaters, coats and a hat, then wraps herself in two thermal blankets to stay warm.

"My neighbor gave me water so I can do dishes," she added.

The majority of the 100 or so mobile homes in the park have had electricity restored since the power went out about 3 p.m. Thursday, Maki said.

The last time someone from PSE was out to look at the downed wires near her home, Maki said, was Sunday afternoon. But when the truck drove off without doing any work, Maki said, "I just sat down and cried."

"I felt like a jilted lover – 'Don't leave me,'" Maki joked.

Others in Thurston County reporting that they were still in the dark included residents on Delphi Road in Tumwater near Olympia High School, and in parts of Lacey.

Denise Merz said she and her family have been without power at their home off Delphi Road since Thursday morning, and she's starting to miss not being able to shower. She said she and her husband and kids can keep warm with a generator and wood stove, but the family has been eating out a lot over the past few days.

"It costs us much more than eating at home would cost," she said.

PSE spokesman Roger Thompson said the utility is making a massive push in Thurston County over the next 24 hours in an effort to restore most customers' power by today. He said that on Monday, more than 400 linemen were working in Thurston County, and that today the number will grow by 120 or 130.

"In addition we've got almost 100 tree cutters," to assist the line crews with chain saws, he said.

"We're hitting it with everything we've got," he said. "I know it's an issue when you're sitting in the dark this long. You can't help but be frustrated."

PSE spokeswoman Terri-Ann Betancourt added that just because a utility worker drives by and doesn't immediately start work, that doesn't mean that they're forgotten about a neighborhood or are blowing off a customer without power. She added that the process may seem tedious, but linemen are now going "house by house," to fix the last remaining power lines that may be affecting smaller numbers of customers, maybe 10, five, or even three homes in a neighborhood.

"We're working literally around the clock," she said.

Betancourt said that the last few remaining homes without power in Thurston County will probably not have electricity until Wednesday.



Monday, Jan. 23, 2012

Puget Sound Energy to restore power to all Maple Valley customers by tomorrow

For the 1,000 Puget Sound Energy customers still without electricity in Maple Valley, power expected to be restored by tomorrow, Jan. 24.

Approximately 87 percent of PSE's customers are now back on line. Since the storm began, PSE has now repaired and re-energized 53 transmission lines, 70 substations and 326 distribution circuits that lost power during the series of snow, ice and wind storms.

Customers without power can access estimated restoration times on PSE.com Service Alert page, or by calling PSE at 1-888-225-5773. Given the magnitude of the damage caused by this week's storms, PSE predicts small pockets of customers in some areas will remain out of power through mid-next week.

Outages may be reported by calling Puget Sound Energy at 1-888-225-5773, logging onto PSE.com, or sending an email to customercare@pse.com with name, address and account number, if accessible.

Customers who have been without electric service for 120 consecutive hours or longer may be eligible to receive a \$50 credit on their PSE bills after the outage is reported.

For more information, please visit the Customer Service Guarantees page on PSE.com or call 1-888-225-5773.

KENTREPORTER.com

Monday, Jan. 23, 2012

More than 7,000 Kent customers of PSE still without power Monday

By STEVE HUNTER

More than 7,000 Kent customers of Puget Sound Energy remained without power Monday morning.

PSE crews continue to work around the clock to restore electric service to the remaining customers who lost power following last week's series of snow, freezing rain and windy weather, according to a PSE media release. Approximately 87 percent of PSE's customer are now back on line.

As of 6 a.m., approximately 53,000 customers are without power, primarily in Thurston, Pierce and King counties.

Cities with the most customers without power included Olympia (7,791), Kent (7,118), Auburn (5,502) and Federal Way (3,262).

Since early Wednesday, PSE crews have restored power to more than 360,000 customers in Western Washington. Kent had more than 25,000 customers without power going into the weekend.

Over the weekend, crews restored power to 146,000 customers. Restoration work has been completed in 15 areas where either entire communities or a portion of those communities were without power: Hobart, Bellevue, Bothell, Carnation/Tolt areas, Factoria area, Kenmore, Newport Hills/Newcastle, Redmond, Fairwood, Greenwater, Ravensdale, Renton area, Edgewood, Milton, Steamboat Island.

Now our work is more time-consuming as crews go from neighborhood to neighborhood where electric service will get restored in much smaller numbers, such as to five, 10 or 20 customers at a time.

Since the storm began, PSE has now repaired and re-energized 53 transmission lines, 70 substations and 326 distribution circuits that lost power during the series of snow, ice and wind storms.

Crews have been and will continue to work around the clock until every customer is restored.

There are approximately 280 power line crews in the region, to repair damages to the electric system and bring power back on. Counting the crews, crew coordinators, damage assessors and support staff, nearly 2,000 people are assisting the restoration effort.

Customers without power can access estimated restoration times on PSE.com Service Alert page, via Facebook, or by calling PSE at 1-888-225-5773. Given the magnitude of the damage caused by this week's storms, PSE predicts small pockets of customers in some areas will remain out of power through mid-next week.

The Chronicle

SERVING THE GREATER LEWIS COUNTY, WASH., AREA SINCE 1889

Monday, Jan. 23, 2012

Thousands Still Without Power in Thurston County; Neighbors Help One Another Recover From Storm

Nearly 19,000 Thurston County residents were still without electricity Monday morning, and the power might not be on until Wednesday in some areas, according to Puget Sound Energy Spokeswoman Gretchen Aliabadi.

Over 32 tree crews and 82 line crews are working in Thurston County to restore power, she told The Chronicle Monday morning.

The Seattle Times

Winner of Eight Pulitzer Prizes

Local News

Originally published Sunday, January 22, 2012 at 7:47 PM

PSE crews bedeviled by snow, ice and wind that kept coming

Storms that have, so far, brought snow, ice, rain and wind have kept Puget Sound Energy crews on the job in some cases for 40 hours at a stretch.

By Lark Turner, Seattle Times staff reporter

For Puget Sound Energy, it's been the storm that won't stay down and the lines that won't stay up. The storm, which has kept crews in the field continuously for more than five days, has just kept reinventing itself, shifting from snow to sleet to ice to wind — and keeping some crews working 40-hour shifts.

Flashback to 4 a.m. Thursday morning, when things were looking relatively good for PSE. Though 160,000 customers had been out of power after the first heavy punch, crews managed to whittle that down to just 15,000 customers, said Andy Wappler, a company spokesman.

Then the ice storm hit.

By late Thursday, that 15,000 had ballooned to 280,000 without power. PSE called in crews from seven states and British Columbia.

PSE collaborated with the National Weather Service to try to anticipate those areas that might be hardest hit. On Sunday, the weather service gave the utility more bad news: High winds would likely cause a few more outages.

As the storm developed, some downed lines had to be repaired twice or even three times, said Roger Thompson, a PSE spokesman. The utility had 900 people in 250 crews in the field Sunday along with about a thousand others in offices, from interns to the CEO.

And Wappler, a meteorologist by training, has found himself a jack-of-all-trades, advising the company on where the storm might hit next.

With the earlier ice storm causing more outages, some crews stayed in the field for 40 hours

before taking a mandatory break. When a crew drives from one area to another, everyone but the driver might catch eight or so minutes of sleep, Thompson said.

"These guys are animals," he said. "They're a different breed of cat; they really are."

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The Seattle Times

Winner of Eight Pulitzer Prizes

Local News

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High winds hammer western Washington

By PHUONG LE, Associated Press

High winds threatened to bring down more power lines and trees in western Washington Sunday, as thousands waited to have power

restored after a snow and ice storm battered the region.

Winds of 40 mph or gusts of up to 60 mph are expected throughout the day along the Washington coast and in the San Juan Islands,

Whidbey Island, Bellingham and Anacortes, the National Weather Service in Seattle said Sunday morning.

Puget Sound Energy crews were working to restore power to about 110,000 customers still in the dark by midday Sunday. About 4,000

customers of Snohomish Public Utility District and 1,300 customers of Tacoma Power were also without power Sunday morning.

"The crews are really making progress," and most customers should have power by Sunday night, said Terri-Ann Betancourt,

spokeswoman for PSE, one of the region's largest utilities. "The crews are not leaving the field until we have everyone restored. We don't anyone to feel forgotten.

"We're hoping this windstorm won't cause additional damage," she added, noting that trees already weakened by snow and ice are

vulnerable to falling over and knocking out power lines. "A break from Mother Nature would be really nice."

Daralin Lawson, of Puyallup, said he's trying to take the power outage in stride since losing power on Wednesday.

"There's nothing I can do. It is cold, but there's nothing I can really do but to wait for it to come back on," he said Sunday morning.

Lawson has occasionally sat in his car to warm up.

In Oregon, more snow was forecast for the Hood River valley and the Columbia Gorge with between 4 to 8 inches total accumulation

expected. Forecasters expect another 6-12 inches of snow is expected in the Cascades.

"We have a couple rivers that are coming down from flooding last week," said Wanda Likens, a meteorologist with the National Weather

Service in Portland. "They're all receding."

Another warm, wet weather system is expected to move through Oregon late Tuesday, bringing with it heavy rains and the possibility of flooding later this week.

On Sunday morning, the Coast Guard is closing several river bars in Washington and Oregon and to all vessels because of hazardous conditions.

Coast Guard officials in Seattle and Astoria, Ore., closed the bars at Quillayute River in Washington, as well as Siuslaw River and Depoe Bay in Oregon.

Forecasts Sunday morning called for more snow Sunday in the Yakima and Kittitas Valleys, as well as Leavenworth, Chelan and other

parts of central Washington. Forecasters said snow on the road may create slick driving conditions.

The American Red Cross said Saturday night it planned to close several overnight shelters it had opened in the region as temperatures

warm and people headed back home. Several municipalities will continue to operate warming centers and homeless shelters, the agency said.



Wednesday, Jan. 25, 2012

Word on the Street - The latest news in and around Tacoma, Pierce County and South Puget Sound Out of power customer posts 'love letter' to PSE's Facebook wall

At the height of the recent power outage, Puget Sound Energy advised customers who were having trouble phoning in post their outage complaints on its Facebook wall. That's what Puyallup resident Jenny Jeffries did, writing a tongue-in-cheek "love letter" to the giant utility.

Dear Sir and or Madam,

You know, power broke up with me at 5 am, with no warning! Just up and left. I thought we were happy and I considered it to be a serious relationship. We had great fun together, always laughing and and basically joined at hip! We were even gonna settle down, and just be together, ya know? Maybe even grow old together. Sure, Power spent nights away, doing its own thing, but it always came back by the morning. The distance made our relationship stronger.

Please let me know if you talk to Power, and let it know I'd do anything to get it back. It's not over for me, not yet.

Sorry to vent about my problems, you just might know what to say to bring Power back to me. Appreciate all you hard work on the matter!

- Jenny

Surprise! After power was restored, PSE vice president Steve Secrist got back to Jeffries and even displayed a sense of humor.

Dear Jenny-

I confirmed that you and electricity are together again and we are very happy for you! The relationship you have with electricity is so very important to us and we felt terrible that there was an interruption in the relationship you should be enjoying. We also confirmed (and are happy to report) that even though it may have felt like electricity left you, it was actually the seemingly heartless acts of nature that prevented electricity from getting to you and being with you. Please don't feel like power avoided you. Power was actually desperately trying to reach you.

However, PSE enlisted every available crew (including crews from out of state) helicopters to pinpoint damaged transmission areas, and hard working people to reunite you with your power as quickly as possible because we are in the business of establishing and preserving relationships people have with their power. Our hope is that your relationship with electricity is stronger and safer than ever, now that your are reunited.

For our part, we will continue to do our best to preserve your union with electricity so that your relationship continues to grow over time!

-PSE

P.S. your notification was generally considered the favorite notification PSE saw of a power outage. Hope you have a great week!

The Seattle Times

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Local News - The Weather Beat

Follow the latest winter-storm reports.

January 22, 2012 at 12:55 PM

To get the lights back on, some Puget Sound Energy crews work 40-hour shifts

Posted by Lark Turner

For Puget Sound Energy, it's been the storm that won't stay down and the lines that won't stay up.

The storm, which has kept crews in the field continuously for more than five days, just keeps reinventing itself, shifting from snow to sleet to ice to wind -- and keeping some crews working 40-hour shifts.

Flash back to 4 a.m. Thursday morning, when things were looking relatively good. Though 160,000 customers had been out of power after the first heavy punch, crews had managed to whittle that down to just 15,000 customers.

Then the ice storm hit.

By late Thursday, that 15,000 had ballooned to 280,000 without power. PSE called in crews from seven states and British Columbia. With the ice storm causing more outages, some crews stayed in the field for

40 hours before taking a mandatory break.

The crews in the field have different jobs. An assessor might document the damage, followed by a tree crew that removes trees so line crews can come in later and restore the power.

All that takes a massive coordination effort, starting at the Redmond-based emergency operations center and trickling down through regional operations to temporary staging areas set up to provide the workers with food and a place to get their latest instructions.

"We have had crews continuously working since Tuesday of last week," Andy Wappler, a spokesman for the utility, said on Sunday.

The utility currently has 900 people in 250 crews in the field and about a thousand people, from interns to the CEO, working in the office and in the company's emergency operations center and call center, Wappler said.

The utility has been collaborating with the National Weather Service to try to anticipate those areas that might be hardest hit. On Sunday, the weather service gave the utility more bad news: high winds were likely to cause still more outages.

And Wappler, a meteorologist by training, has found himself a jack-of-all-trades as he helps advise the company on where the seemingly never-ending storm will hit next.



Thursday, Jan. 26, 2012

Puget Sound Energy says outages restored

Puget Sound Energy finished restoring electricity Thursday to all customers who lost power in the past week in winter snow, ice and wind storms, spokeswoman Terri-Ann Betancourt said.

BELLEVUE, Wash. — Puget Sound Energy finished restoring electricity Thursday to all customers who lost power in the past week in winter snow, ice and wind storms, spokeswoman Terri-Ann Betancourt said.

"Yes, it's over for now," she said. "What a week."

Out-of-state line crews are going home. The utility is adding up all the damages, but that could take weeks or months for a final figure, Betancourt said.

Tens of thousands of customers claiming a \$50 credit for being out of power for five full days should see that on bills starting in mid-February, she said.

Puget Sound Energy was the biggest and hardest hit utility in Western Washington. Crews restored service to more than 400,000 PSE customers or more than a third of all its electrical customers - some of them more than once.

But it's hard to say where this ranks in the history of outages.

"This storm was different from any other storm PSE has managed because it wasn't one storm," Betancourt said. "It was one storm, then another storm and in a few days another storm."



Friday, Jan. 27, 2012

PSE says power restored for almost all affected by storm

Puget Sound Energy says it has restored electricity to major communities that lost power in the past week in winter storms.

As of 1 p.m. Thursday, there were 37 outages affecting 400 customers in Thurston County, according to spokesman Andy Wappler.

Wappler said crews were remaining in the field to fix those final outages. He said anyone who is still out of power should continue to call PSE at 888-225-5773. Sometimes, he said, damage to the weatherhead (where power connects to the home) has to be repaired by an electrician before PSE can reconnect service.

Spokeswoman Terri-Ann Betancourt says the out-of-state line crews are standing down and going home. She says it will take weeks to add up all the damages.

Customers claiming a \$50 credit for being out of power for five full days should see that on bills starting in mid-February. Betancourt says there are tens of thousands of those customers.

Crews restored service to more than 400,000 PSE customers or more than a third of all its electrical customers. Some of those had more than one outage as snow, ice and wind storms swept through the region.

The Seattle Times

Winner of Eight Pulitzer Prizes

Local News

Originally published Saturday, January 21, 2012 at 8:03 PM

Why giant ice storm fooled the forecasters

Forecasters didn't predict the massive ice storm that downed thousands of towering firs and pines, snapped power lines and left nearly a quarter-million people without electricity last week.

By Craig Welch and Melissa Allison, Seattle Times staff reporters

Brad Colman didn't expect a history-making freeze before he stepped outside his home south of Issaquah at 4 a.m. Thursday and found his car encased in ice.

He, like thousands of Western Washington residents, awoke to a surprise — the region's worst ice storm in memory.

But there is one crucial distinction: Colman is chief meteorologist at the National Weather Service in Seattle.

"I saw it (the ice) and I thought, 'This is bad; this is really bad,' " Colman recalled. "I knew we had a big problem."

Colman's forecasters didn't predict the massive ice storm that downed thousands of towering firs and pines, snapped power lines and left nearly a quarter-million people without electricity. That wreaked havoc on a theater company, caused bank branches and businesses from Cupcake Royale to Starbucks to close quickly or delay opening and forced others to scramble, burn cash and strain customer goodwill.

"We usually like to be six hours ahead, so we can let customers know what's happening before they leave home for the airport," said Ben Minicucci, chief operating officer for Alaska Airlines. Instead, Alaska and Horizon Air canceled 387 flights Thursday, many with little warning, after frozen daggers formed overnight on the bodies and wings of planes in Seattle.

The damage and disruptions would have happened anyway — the weather service, after all, doesn't control what falls from the heavens — but given the sophistication of modern instrumentation and the Northwest's vaunted new coastal radar, how did meteorologists not see it coming?

The reality, said experts inside and outside the weather service, is that forecasting remains maddeningly inexact, particularly here in the Northwest, especially when dealing with snow and ice. Predictions draw on thousands of data points from radar, satellites, observations, weather instruments on commercial airline flights and computer models. But not even that can account for everything that influences storm development.

Small hiccups in data that feed the computer models can produce inaccurate projections, so experts every day adjust interpretations based on decades of experience. But with ice storms in Washington so rare, there is no past pattern with which to compare results. The last ice storm this significant occurred in 1996.

In fact, 12 hours before Thursday's crush of freezing rain hammered the Eastside, no one had foreseen it: not the National Weather Service, not local television meteorologists, not University of Washington professor and weather guru Cliff Mass.

"It played to our greatest weaknesses," Mass said. "To get snow or ice right, you have to get the right temperature structure vertically. But you also have to get the rain and the intensity of rain right. The models, almost all of them, kept precipitation to the south. It wasn't really spreading things up north, and when it did, it was warming them up enough to be rain."

Peter Neilley, senior vice president of global forecasting for The Weather Channel Companies, agreed. The Weather Channel Companies contracts with carriers like Alaska Airlines for detailed predictive services using proprietary information.

"It was an extraordinarily complex and difficult forecast," he said. "Anytime you're dealing with a situation that's on the cusp of being one thing or another, in a place with complex terrain like Seattle, it's going to be tough."

And, while new coastal radar installed last fall can provide advance warning of incoming storms,

it surveys an area of only a few hundred miles off the coast. Storm systems still may be 2,000 miles out to sea or not yet formed a day before they hit.

"The coastal radar is a big step forward, but we're talking about an additional couple of hours of warning — not 12 hours and certainly not 24 hours," said KING-TV chief meteorologist Jeff Renner. It's not that no one predicted freezing rain. By late Wednesday evening Renner was suggesting some of it could hit the Puget Sound region overnight. The National Weather Service had been saying for days that some areas should expect light freezing rain. But the severity of what was in store was not yet clear to anyone.

By Wednesday night, however, the weather service thought something might be off.

"We were just starting to get a sense that things should have been winding down but they weren't," said weather-service meteorologist Dennis D'Amico. "We knew something wasn't quite right. It's like you've baked a cake and are about to put the frosting on top and serve it, and you notice that one of your layers is missing. Then you have to think, 'Is this a major change?'"

A graveyard shift of three at the weather service quickly and obsessively reassessed the data. By 3:30 a.m. this night crew issued a winter weather advisory. Two hours later, an ice-storm warning went out, triggering emergency broadcast alerts.

Shifting forecast

For the National Weather Service, it already had been an intense week. Initial calls for a major snow in Seattle were scaled back and moved from Tuesday to Wednesday. But that's how the system is supposed to work — information gets refined over time as events get closer.

"I look at that as a great success," Mass said, and Renner agreed.

The National Weather Service can be slower than Mass to alter its early projections. It wants even more confidence before making changes, for good reason.

"We don't like to flip-flop," said Colman, the chief meteorologist. "Our mandate from Congress is the protection of life and property. People look to us to make decisions: Should I go to work? Is it safe to do this? We know the public will use inconsistencies as a reason to dismiss forecasts" — even when a forecast could save lives.

Certainly, skepticism was growing in some quarters. By midweek, some restaurateurs and entrepreneurs already had seen traffic slow to a trickle as snow warnings sent people home despite a shining sun.

"They didn't want to be stuck in the three inches of snow we were supposed to get Tuesday that never came," said Cupcake Royale owner Jody Hall.

She figures her chain of five stores saw a 40 percent drop in sales, beginning with Tuesday's forecast and including canceled orders from the University of Washington and Metropolitan Markets when the storm finally hit.

"I kept wishing it would either get better or really, really dump, because I was right on the decision-making cusp (about closing)," said Jim Drohman, co-owner of the Café Presse and Le Pichet restaurants in Seattle.

Seattle's 5th Avenue Theatre was deep into preproduction for an upcoming run of "Oklahoma!" but delivery of two sets from separate trucking companies were rerouted, and changing forecasts and conditions made it impossible for the theater to fully plan the load-in.

And many businesses were surprised about having to close early Thursday, after forecasts had called for rain and warmer temperatures.

"We expected smooth sailing driving home, and it was a bit of an ice skate home," said Starbucks spokesman Jim Olson.

By late Wednesday, Alaska Airlines, which relies both on the National Weather Service and its forecasting contractors, was convinced the worst was over.

"We got all of the reports and the forecast was pretty much that we're out of it and should almost be dry by morning," Minicucci said. "We intended to operate on a full schedule."

But, at 4 a.m. — just as Colman was heading to his car — Minicucci fielded a call from his workers. Heavy freezing rain was sticking to planes all over Seattle-Tacoma International Airport. Soon, de-icing jobs that usually take an hour were taking closer to four. By the end of the day, 32,500 passengers, just on Alaska and Horizon, were affected.

Airlines understand weather better than most. They receive nuanced forecasts so they can activate

contingency plans. They also are loathe to express anger over erroneous forecasts.

"We work with these guys every day, and for the most part, they do a pretty decent job," he said.

"They help us with turbulence models and turbulence plots. You have to look at their performance as a whole, and it's very good. Unfortunately, when they miss, they miss bad.

"But we also don't want to get so upset that they get so conservative that you're canceling flights when there is no bad weather."

Meteorologists are still unraveling the reasons their forecasts missed such a heavy storm. They knew that when there is frigid air near the surface and warm air overriding it, their models tend to blend the two more quickly than happens in reality. In addition, the extent of precipitation that formed over the Pacific Ocean wasn't captured by their models.

"We know we'll be wrong sometimes," Colman said. "Our job is to get back on track as best we can, and we did that here, and pretty quickly."

Mass also pointed out that the language of forecasts that citizens have come to expect doesn't allow for the kind of nuance that certain predictions really demand.

"Sometimes we're really certain, sometimes we're not as certain, but we don't really have a way to let people know that," he said.

Staff reporters Sanjay Bhatt, Celina Kareiva and Dominic Gates contributed to this report.

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THE NEWS TRIBUNE

Saturday, Feb. 4, 2012

Our desire for stuff, not utilities, might be to blame for outage

We love our trees. We love our power. That's our problem. At its peak, the ice storm of Jan. 19 knocked out the juice for 270,000 Puget Sound Energy customers. Some waited a week for the lights to come back on.

By SEAN ROBINSON

We love our trees. We love our power. That's our problem.

At its peak, the ice storm of Jan. 19 knocked out the juice for 270,000 Puget Sound Energy customers. Some waited a week for the lights to come back on.

Trees did most of the damage. Ice-coated limbs and branches sagged and fell into electrical wires.

In the dark, it was easy to blame the utility for not trimming enough trees beforehand – but Siegfried Guggenmoos says the bigger culprit stares out of a mirror. In other words, it's us, more specifically, our stuff: the trees in our yards, along our fences, on private land.

Guggenmoos is a special kind of specialist – an expert in vegetation management in the context of electric power transmission. He tracks patterns in what he calls "the utility forest."

Now 62, he likes to say he got a degree in horticulture and became a mercenary.

Academic research led him to the study of brush control and herbicides under power transmission lines, and that led to a job as a system forester in Alberta, Canada, where Guggenmoos is based.

He's written studies for utilities in two countries, including PSE in 2009. The gist of his findings: most of the trees that damage power lines grow on private property.

BETTER RELIABILITY

Cutting them down could improve power reliability by as much as 40 percent. The trouble is, people like their trees.

"There's a choice between the level of reliability you have and the trees," Guggenmoos said. "It really comes down to that. We can improve the reliability, but it means cutting down the trees."

His 2009 study for PSE was commissioned after windstorms in 2006 cut power across the region, raising questions about the utility's emergency response methods.

Guggenmoos found that the utility's tree-trimming program was "well executed" and effective within public rights-of-way, but that much of the damage from falling trees occurs outside that boundary.

"What I found was that tree-related outages are due to the amount of tree exposure along the line outside the right of way," he said "We did that on a statistical basis, so that we were actually able to make tree-related outages predictable based on wind speed."

This year's storms featured ice, not wind, but the underlying principles are similar, Guggenmoos said.

A tree-trimming program improves reliability in mid-level weather, but when conditions reach extremes, the best plans don't help much. Windstorms take entire trees down, doing more damage to high-voltage transmission systems. Ice

storms damage trees at the crowns, pulling down limbs and branches, which means a more localized effect at the level of distribution.

Guggenmoos has examined such effects on the East Coast and in New England, where storms, fallen trees and downed power lines come with winter. One big factor changes the dynamic between East and West: height. Our trees are taller.

In PSE's service area, Guggenmoos found that 75 percent of the utility's lines had trees adjacent to them. That's a lot, but not as much as some areas of New England (in heavily forested Maine, the number climbs to 90 percent.)

However, in New England the average tree height hovers around 75 feet. In the Northwest, the average is 20 feet higher, with exceptional trees soaring 130 feet.

Height affects what Guggenmoos calls the arc of exposure: the taller the tree, the greater the potential damage. "When a thing like that comes down, it's gonna be breaking poles, and it's gonna be a long outage," he said.

GROWTH NOT THE ISSUE

A common misconception about utility tree-trimming holds that tree growth is the chief cause of power-line damage. Guggenmoos found the opposite. Falling trees and limbs cause at least 85 percent of the damage in storms. Growth accounts for 15 percent at most.

Trees with falling potential are the real hazard ("tree failure," Guggenmoos calls it) and that's where the private property factor comes in. Cutting a tree on private property requires permission. Some owners won't give it.

Utilities such as PSE can watch for hazardous trees, typically on a three-to-six-year cycle, but the hazards pay no attention to the calendar.

"There are always trees dying," Guggenmoos said. "I call it the utility forest. Instead of it being a block, there's this ribbon along the power lines. You've always got trees dying within that space. You can't monitor all the trees that could conceivably hit your line in real time. It's a matter of choice. Is it worth it to do annual inspections and removals, or is a three-to-four-year cycle adequate?"

Shifting to underground power lines is harder than it sounds. It works in new subdivisions, but in existing neighborhoods, it's prohibitively expensive to dig and build.

Plus, it doesn't help that much in power outages. Guggenmoos examined such efforts in the city of Baltimore, and found a different set of consequences: utility workers found it difficult to pinpoint the damage, and outages lasted longer as a result.

In the absence of easy solutions, the dilemma remains. If you want more reliable power, you've got to take down more trees, including those that people might prefer to keep.

"We know how to improve reliability and decrease storm damage," Guggenmoos said. "We really have a societal issue."



Sunday, Feb. 5, 2012

Q&A: Why was the power out for so long during recent storm?

By John Gillie

When the lights went off at William and Colette Manker's Olympia-area house in mid-morning Thursday, Jan. 19, the Mankers and their three children hoped it would be a short interruption, an adventure in coping that would challenge their imaginations and sharpen their appreciation for the services they usually take for granted.

But it would be more than four and a half days before the Mankers got their power back, and then not for long. Their electricity, provided by Puget Sound Energy, would be interrupted twice more that week. Before the lights came on and stayed on late Wednesday, Jan. 25, nearly a week had elapsed since their lights first flickered and then went dark.

The Mankers and their neighbors were among the last 5,000 or so PSE customers to get their power restored, according to statistics and timelines provided by PSE.

"It's easy for us to say that, looking at the overall numbers, and say we did a good job, but if you're still in the dark, that doesn't matter," said PSE spokeswoman Gretchen Aliabadi.

In the coming weeks, the utility will be analyzing just what happened in mid-January and how they can improve their response and prevention plans.

The Mankers said they understood how Mother Nature had dealt the Puget Sound area a bad hand. But as the days passed they began wondering why their power was still off. Was there something that PSE could have done better to put their household and the 300 households in their neighbor back to normal?



Going on a week without electricity and hoping that the power stays on this time for good after apparently coming on around noon Wednesday Colette Manker blows her last lit candle out as she uses the electric stove to make soup as her children Aiden, 7, and Phoebe, 3, play around in their Olympia home.

“It’s not as if we lived way back in the woods somewhere,” said William Manker. The Mankers’ house and those of their neighbors are within earshot of I-5. “We’re right across the freeway from Cabella’s,” he said referring to the huge sporting goods superstore.

And their street wasn’t blocked by downed power lines or fallen trees. The post office delivered their mail without a single day’s interruption.

During the outage, they tried to heat their home with their fireplace without much effect. “I bought all the firewood I could find, and I even went to Home Depot and bought framing lumber just to feed the fire.” When the weather turned sunny and warmer outside, they threw open the windows to bring in the warmer air outside.

They spent a few hours at friends’ homes that had heat, but they didn’t want to impose too long. They cooked over the fire, trying to use up their stock of refrigerated and frozen food before it spoiled, but in the end, they discarded what they estimated was \$400 worth of food.

When all was done, they even fell short of the \$50 bill reduction the PSE promised customer whose power had been cut for 120 hours or more. The fine print, said William Manker, said that powerless period had to be uninterrupted.

Their time in the dark had twice been broken by a few hours when

they were back on the grid.

The Mankers aren’t the only ones asking what happened during and after the storms, how well PSE coped with the outages and how the utility could have done better. PSE’s own Facebook pages and The News Tribune’s and The Olympian’s online story comments were filled with messages from PSE customers puzzled why there were still in the dark after so long.

Given a little distance from the storms, here’s what we know now.

Just how big were the storms’ effects?

Final figures show that during the weeklong period, the utilities in the region saw more than 500,000 homes and businesses without power. Puget Sound Energy, the region’s largest utility with 1.1 million electric customers from the Canadian border to Lewis County, was the hardest hit, both in raw numbers and the proportion of its customers whose power was interrupted.

PSE, whose territory includes more rural and suburban forested areas than the other two large electric utilities in the region, Tacoma Power and Seattle City Light, had to restore power to 457,000 customers.

Peninsula Light Co., which serves Gig Harbor and the Key Peninsula, saw only 3,500 of its 30,300 customers without power. Jonathan White, director of customer services for Peninsula, gave credit to the utility’s buried lines. Peninsula now has 67 percent of its wires underground.

At any one time, the greatest number of PSE customers who were simultaneously off the grid was 270,000 at 10 p.m., Thursday, Jan. 19.

The snowstorm that began that week interrupted relatively few customers on Wednesday, Jan. 18. PSE’s figures show some 20,000 customers out at 6 p.m. that day. As freezing rain began falling early Thursday and overburdened tree limbs began falling on power lines, the numbers quickly mounted. By 11 a.m. Thursday, Jan. 19, some 184,000 homes and businesses were dark.

“This storm was unusual because it delivered three punches: the snow, the freezing rain and then wind nearly a week later,” said PSE spokesman Roger Thompson.

“The usual big power interruption in this area is a big windstorm that lasts a couple of hours or at most half a day and then is gone,” he said.

At the peak of the crisis on Jan. 19, 48,200 of Tacoma Power’s 169,000 customers were without electricity, said Nora Doyle, a Tacoma Power spokeswoman. By the end of Jan. 20, that number had been reduced to 2,750. By Jan. 25, Tacoma Power had restored all but a handful of customers

Fact Box

IMPACT OF THE STORM

While Thurston County’s numbers are lower in both transmission lines and substations out, it was highest in feeder lines out.

Total transmission lines out: 63

Total substations out: 77

Total feeder lines out: 328

Transmission lines out by area

North King County: 24

South King County: 11

Pierce: 15

Thurston: 13

Substations out by area

North King: 18

South King: 17

Pierce: 19

Thurston: 16

Feeder Lines out by area

North King: 78

South King: 85

Pierce: 74

Thurston: 91

who had issues with their own service lines between the pole and their homes.

How did these storms compare to others historically?

Though their effects were substantial, they fell short of several other historic storms.

During the Hanukkah Eve wind storm of 2006, gale-force winds slammed the Puget Sound area on Dec. 14 and Dec. 15. In PSE's nine-county service area, 750,000 customers were without power. In the whole region, including areas served by other utilities, some 1.2 million households and businesses had their power cut off.

In the Inauguration Day windstorm of 1993, some 750,000 power customers in the Puget Sound area suffered outages. The Columbus Day Storm of 1962 also was more serious as measured by the percentage of customers who lost their connection to the power network.

What areas were hit the worst?

South King, Pierce and Thurston counties suffered the most damage to the electrical system.

North of Interstate 90, the damage was more snow-related than ice-caused. Thurston County, where the Mankers live, suffered proportionally the most. An estimated 50 percent of the transmission lines, the lines that carry power from the dams and power plants where the power is generated to local substations where it is distributed to homes and businesses in South King and Pierce counties, were affected by outages. In Thurston County, some 90 percent of PSE's transmission lines failed because of wind, trees and ice.

Did PSE do a good job responding to the storm and related outages? Is there a performance standard the utility is supposed to meet?

Yes and no, according to the WUTC. The state regulates the utility's performance, and may impose requirements for better service - but there isn't a single standard for how many days without power is too many.

"We don't micromanage the company like that," said Tom Schooley, assistant director for energy at the UTC. "We would look at it if they did something prudently. We have service quality guarantees. We could look at it if we thought they were doing a bad job."

Schooley and Marilyn Meehan, UTC spokeswoman, said that complaints often dictate whether service issues are a concern.

In the course of the storm and its aftermath, the commission received 29 complaints from customers who couldn't get through to the utility on the phone to report outages - not a big number in the context of hundreds of thousands of customers.

Why did it take so long before the power restoration work reached my home?

The utility first had to survey the damage to see what kinds of workers, equipment and materials were needed to restore the power. Some jobs required just a line crew. Others included tree crews to clear away fallen trees and limbs.

Restoration of transmission lines is the first order of business. In most winter storms, the Puget Sound may see a dozen or so of these large, high-voltage lines down. In the recent storms, 63 went down.

Restoring the transmission lines doesn't by itself restore power to homes and businesses that have seen distribution line failures, but they're a necessary first step to getting the power network working, said Aliabadi.

Why not bury all the power lines and eliminate the possibility of outages from wind and ice?

PSE engineers would love to see that happen, said Aliabadi. Burying lines would drastically reduce outages and improve reliability. The issue is cost. A mile of overhead transmission line may cost \$500,000. A similar distance of buried line can cost \$4 million.

Aliabadi also noted that repairing underground systems can increase delay, because workers can't tell exactly where the problem is until they dig it up. Above-ground lines damaged by trees can take days to fix. Underground repairs can take weeks.

Then there's the issue of right-of-way large enough to bury the lines along with the other utilities such as water, gas and sewers already underground.

"We once estimated, because the residents there asked, what it would cost to bury all the lines on Bainbridge Island," said Aliabadi. "We figured it would cost at least \$120 million." That cost would have to be recovered from ratepayers.

How much did the storm repairs cost? Who will pay the bill?

The utility is only now beginning to add up the expenses. About 90 days after the storm work is done, PSE expects to present those totals to the Washington Utilities and Transportation Commission. PSE will propose a split of the cost between customers and utility investors. The WUTC will decide who pays how much and when. If the commission decides that ratepayers will share the cost of the burden of restoring the system, the cost could be incorporated into the next general rate increase granted PSE and spread over several years.

That's what happened in the case of the Hanukkah Eve storm, PSE said.

How much does PSE budget for storm damage repairs?

The utility budgeted \$8 million for storm repairs this year, the same it has allocated for several years. While all the bills aren't in yet, the most recent storm is likely to exceed that budget, said Thompson. Some years, that budget isn't fully used up. In others, like 2012 and 2006, it isn't sufficient to cover repair costs.

PSE is requesting a rate increase. Is that intended to offset the costs of repairs from storm damage?

No. The requested rate increase dates to last summer. PSE wants an 8.1 percent rate increase for electrical customers (roughly \$8.37 per month for an average residential customer.) The WUTC, which can approve or reject rate increases, will make a final decision later this spring. Commission staffers have submitted a counterproposal that recommends a lower rate increase – approximately \$2.05 per month for residential customers.

According to testimony and records filed with the UTC, the biggest reason for PSE's request is the planned construction of a wind farm in the Lower Snake River Canyon, a project that PSE says will require \$170 million in revenue, mandated by state and federal regulations requiring investment in renewable power.

Were there any unusual circumstances that slowed work on restoring transmission lines recently?

Some of the downed transmission lines are in mountainous areas hard to survey from the ground. Those areas are usually surveyed by helicopter. The day of the ice storm, two of the three helicopters hired for surveying were grounded because of weather. Line or pole failures in wild areas take considerable effort to fix because of deep snow and difficult terrain.

Another complication was the few remaining PSE's substations that are fed by only a single transmission line, particularly in Thurston County. When that transmission line failed, all of the circuits served by that substation went down. Other substations are fed by multiple lines creating a redundant source of power if one line is crippled.

PSE is gradually upgrading those substations with a single transmission line such as the one near the Olympia Airport, which is due to be replaced later this year with an updated substation elsewhere.

Did PSE have sufficient stock of materials to replace those damaged in the storm?

Aliabadi said the utility was prepared with pre-stocked materials to replace those damaged. By midway through the restoration effort, the utility had already replaced 70 miles of wire, 8,000 fuses and 250 poles. Crews had made 28,000 wire splices.

Beyond the storm-caused damage, did crews encounter unexpected conditions that impeded distribution line restorations?

In at least two instances, the crews showed up at the damage sites to find that thieves had cut the downed distribution lines to salvage the copper in them, said the utility. The thieves had taken their lives in their hands not knowing whether the lines were live or not. Aliabadi said all lines should be treated as if they are live. With the proliferation of home generators, said IBEW's Guillot, a new danger comes from improperly connected home generators feeding power back into the grid from the customer side. Crews take special precautions to guard against that possibility.

In circumstances like the Mankers', why did the power go out repeatedly?

High winds late in the repair process last week undid some of the work already accomplished, said the utility. In other cases, other faults revealed themselves after the repair crews left.

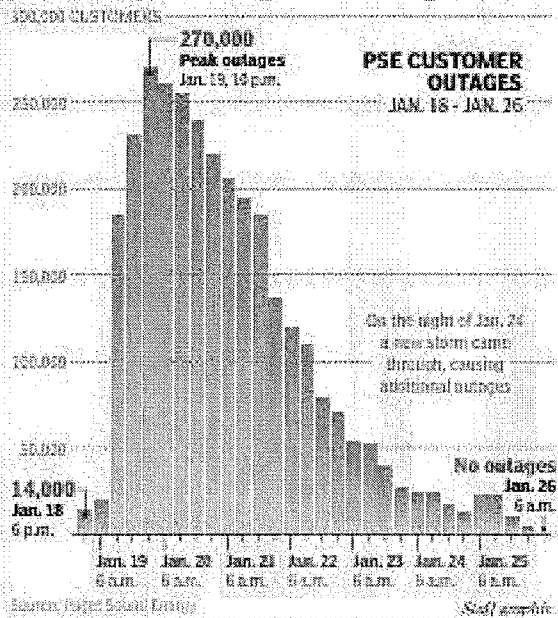
Power crews told Manker that once the initial repair was made, the demand on the line for power rose steeply because the neighborhood was simultaneously getting its homes up to habitable temperatures, heating water, washing and drying clothes and cooling refrigerators and freezers.

"Balancing the system is a critical element in getting the power restored," said PSE's Thompson. "Too much demand or too much power can cause the system to trip off just like a breaker in your home," he said.

Why can't those crews immediately return to the site where their recent repairs are undone by other problems?

PSE battles nature

January's first storm began timely enough on Tuesday and Wednesday, Jan. 17 and 18. Only 14,000 of PSE's customers were out at 6 p.m. Wednesday, but outages built through Thursday, peaking at 10 p.m. as crews battled to restore transmission lines before they could begin reconnecting local distribution lines Friday, Jan. 20. Outage numbers rose again on Wednesday, Jan. 25 after a windstorm passed through the area the night before.



They're scheduled to move on to other problem areas once their initial job is done, said Aliabadi. A new problem that again puts the area in the dark goes to the bottom of the list.

Do any governmental facilities, industries or critical buildings get priority being restored?

Transmission lines come first. Without those connections, no homes, businesses or facilities can be restored, said PSE spokesman Thompson. Once those are back in service, PSE puts critical emergency facilities such as fire and police stations and hospitals on priority for restored service. Most of those are equipped with emergency generators that can sustain operations for a while. Once those are up and running again, the company works on areas where their work will yield the biggest benefits. If a downed line, for instance affects 1,000 homes, it will be repaired before a line that feeds 50 houses. Industries get no priority, he said. "We don't treat Boeing differently than anyone else," he said.

As for the Mankers, they're considering some sort of backup power or moving to an area where the power supply is more reliable. Staff writer Sean Robinson contributed to this report.



2012 Qualifying Events Report

March 12, 2012 Event

Filed on June 5, 2012

Table of Contents

Table of Contents	2
Event Description	3
Date of event	3
Event Type	3
Service Areas Affected	3
Number of Customers Affected	3
Summary of System Impacts	3
Mobilization Summary	3
Major Event Day – Qualification	5
Qualified Events - 2012	5
Current Event – Calculation Detail	5
Cumulative list of events that have qualified	5
Event Restoration – Cost Summary	6
Restoration Cost Detail by Qualifying Event	6
YTD Storm Restoration Cost Detail – Through April 30, 2012	6
Detail Documents	7
Restoration Cost Detail – Current Event	8
IEEE-1366 - Detailed List of Distribution Circuits with Outages	9
Terms, Codes and Definitions Used on Detail Reports	12
Terms, Codes and Definitions Used on Detail Reports	12
Media Coverage	14

Event Description

Date of event

March 12, 2012

Event Type

Wind and rain storm

Service Areas Affected

Whatcom, Skagit, Island, and Thurston Counties

Number of Customers Affected

Approximately 55,130 customers were without power over the course of this event

Summary of System Impacts

Total Number of Outages	193
Distribution Circuits Totally Out	33
Distribution Circuits Partially Out	160

Transmission Circuits Affected	6
Substations Totally Off-line	5

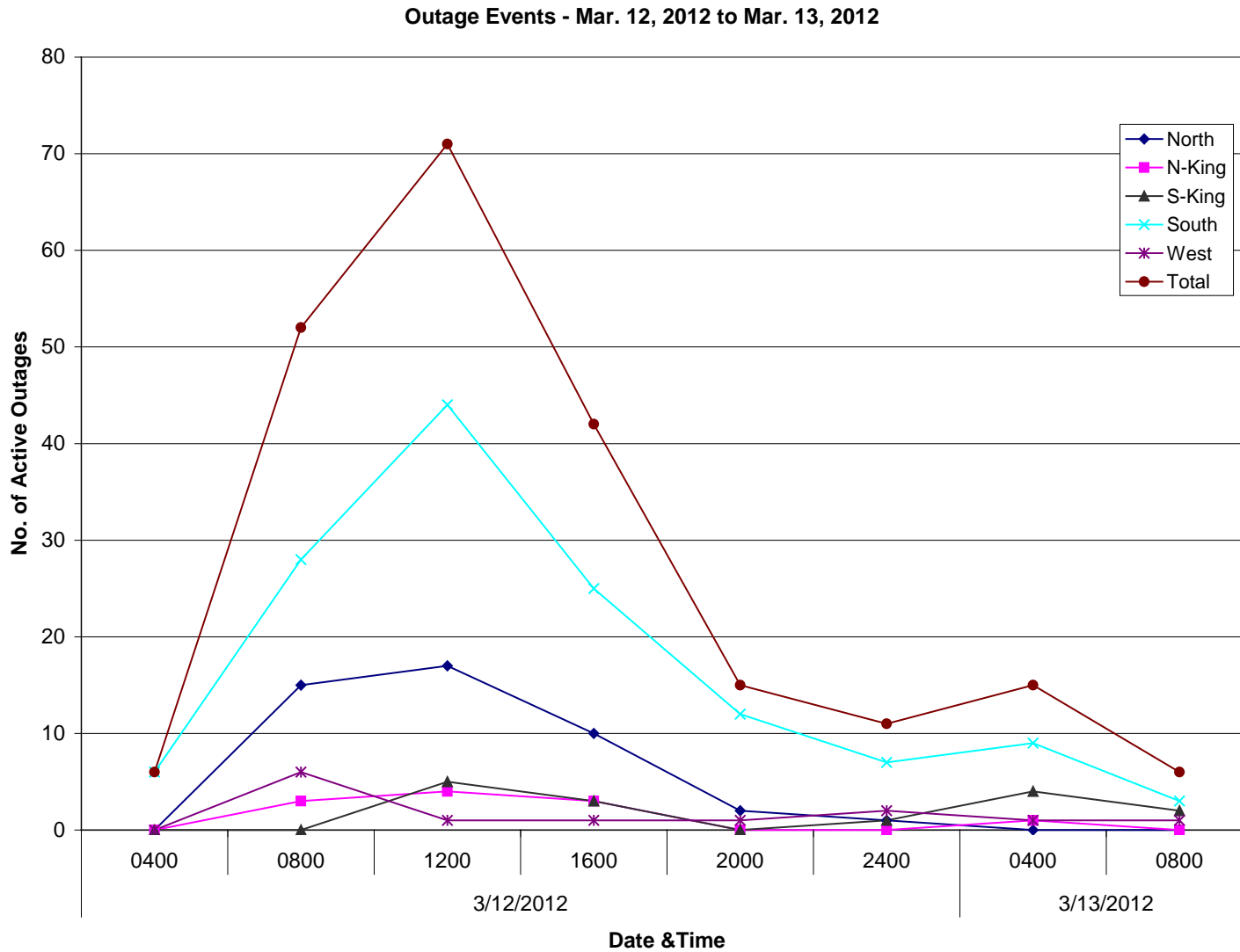
Mobilization Summary

Operating Bases

Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom	03/12/2012	07:30	03/12/2012	18:00
Skagit	03/12/2012	07:30	03/12/2012	18:00
Island	03/12/2012	07:30	03/12/2012	18:00
Thurston	03/12/2012	07:00	03/12/2012	22:00

Emergency Operations Center

EOC	Date Opened	Time Opened	Date Closed	Time Closed
	03/12/2012	09:45	03/12/2012	17:00



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 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 Major Event Threshold for 2012: 5.38 Minutes

Qualified Events - 2012

Current Event – Calculation Detail

Event Date	Total Customer Minutes	Average Customer Count	Daily SAIDI – Customer Minutes /Customer Count
01/18/2012	1,374,545,559	1,091,788	1,258.99
03/12/2012	11,004,046	1,092,611	10.07

Cumulative list of events that have qualified

Date(s)	T-med Score	O&M – Deferrable Accumulation
01/18/2012	1,258.99	\$8,000,000 ^{Note}
03/12/2012	10.07	\$0

Note In PSE's April 16, 2012 filing, YTD total repair costs were shown instead of the amount that meets the \$8 million deferral threshold.

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
01/18/2012	\$58,541,405 (r)	\$5,411,159 (r)	\$0	\$1,567,813 (r)	\$8,000,000 ^{Note}	\$68,109,218 (r)	\$73,520,377 (r)
03/12/2012	\$420,446	\$120,162	\$0	\$41,776	\$0	\$462,223	\$582,385

(r) Reflects updated repair costs through April 30, 2012

Note: In PSE's April 16, 2012 filing, YTD total repair costs were shown instead of the amount that meets the \$8 million deferral threshold.

YTD Storm Restoration Cost Detail – Through April 30, 2012

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
\$58,961,851 (r)	\$5,531,321 (r)	\$0	\$1,609,590 (r)	\$8,000,000 ^{Note}	\$68,571,441 (r)	\$74,102,762 (r)

(r) Reflects updated repair costs through April 30, 2012

Note: In PSE's April 16, 2012 filing, YTD total repair costs were shown instead of the amount that meets the \$8 million deferral threshold.

Qualifying Storm Event
March 12, 2012

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							
March 12, 2012 - 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		\$ -		\$ -	\$ 13,138	\$ 13,138	\$ 13,138
OT		\$ -		\$ -	\$ 22,452	\$ 22,452	\$ 22,452
Total Labor	\$ -	\$ -	\$ -	\$ -	\$ 35,590	\$ 35,590	\$ 35,590
Labor OH		\$ 238		\$ 10,377	\$ 19,296	\$ 29,673	\$ 29,910
Materials		\$ 12,026		\$ -	\$ 14,118	\$ 14,118	\$ 26,145
Contractors		\$ 85,940		\$ -	\$ 333,517	\$ 333,517	\$ 419,457
Other Direct Charges		\$ -		\$ -	\$ 3,662	\$ 3,662	\$ 3,662
Fleet		\$ 53		\$ -	\$ 13,853	\$ 13,853	\$ 13,905
Other Assessments		\$ 21,905		\$ 31,400	\$ 411	\$ 31,811	\$ 53,716
Deferred Expenses	\$ 420,446				\$ (420,446)	\$ (420,446)	\$ 0
	<u>\$ 420,446</u>	<u>\$ 120,162</u>	<u>\$ -</u>	<u>\$ 41,776</u>	<u>\$ 0</u>	<u>\$ 41,776</u>	<u>\$ 582,385</u>

IEEE-1366 - Detailed List of Distribution Circuits with Outages

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
E568565075	3/12/2012	2:26:34	LTA-18	ECA	TV	OCO	438	79,468
E124540362	3/12/2012	2:36:39	SWE-23	EBJ	TO	OHR	540	52,929
E820563280	3/12/2012	3:10:32	RAI-12	ECC	TF	OCO	1,655	190,270
E872078722	3/12/2012	3:13:36	RAI-11	ECC	TV	OCO	116	78,810
E906653293	3/12/2012	3:19:00	TLN-0181	ECA	TV	OCO	3,538	895,114
E008290386	3/12/2012	3:19:00	TLN-0235	ECA	TV	OCO	4,003	1,008,756
E255174852	3/12/2012	3:30:20	TIL-23	ECA	TF	OCO	736	251,467
E756916995	3/12/2012	4:05:32	BLU-16	ECC	TV	OFC	567	129,541
E651777108	3/12/2012	4:08:05	LGY-13	EAD	TF	OFU	91	5,542
E323070705	3/12/2012	4:08:47	AIR-23	ECC	TV	OCO	173	78,060
E041262872	3/12/2012	4:09:18	ROC-17	ECC	TV	OCO	45	17,897
E963706698	3/12/2012	4:09:59	GRI-15	ECC	TV	OCO	416	289,959
E072319280	3/12/2012	4:17:27	GRI-13	ECC	TV	OPO	732	588,199
E302782254	3/12/2012	4:34:34	ROC-16	ECC	TV	OCO	35	18,880
E804231916	3/12/2012	4:44:38	PTR-16	EAA	TF	OCO	744	593,217
E833790480	3/12/2012	4:46:20	PAT-17	ECC	TV	OCO	283	206,213
E381525738	3/12/2012	4:47:02	MIL-23	ECE	TV	OCO	13	4,836
E590334922	3/12/2012	4:47:24	PTR-14	EAA	TV	OTR	99	29,942
E652714054	3/12/2012	4:50:04	CAP-15	ECC	TF	OCO	52	18,249
E509788131	3/12/2012	4:52:02	CHM-13	ECF	TV	OCO	20	4,379
E464883879	3/12/2012	4:52:54	LOL-21	ECD	TV	OCO	30	7,653
E036159588	3/12/2012	4:54:16	GRI-16	ECC	TV	OCO	39	28,265
E646046069	3/12/2012	5:02:42	AIR-22	ECC	TV	OCO	58	34,063
E663603340	3/12/2012	5:15:05	ORT-22	ECA	TV	OCO	317	77,956
E567643821	3/12/2012	5:20:25	BRO-15	EAD	EF	OCO	16	5,033
E101859659	3/12/2012	5:25:04	SWA-12	EAD	TV	OFU	2	872
E081707085	3/12/2012	5:26:20	KIN-21	ECE	EF	OSV	29	4,514
E287757686	3/12/2012	5:35:33	ROC-26	ECC	TV	OCO	50	30,473
E460322142	3/12/2012	5:57:31	KIN-24	ECE	EF	OTR	7	2,040
E899833977	3/12/2012	5:59:29	FLD-13	EAD	TV	OCO	118	76,615
11033564	3/12/2012	5:59:42	FLD-13	EAD	TV	OCO	10	6,640
E272047672	3/12/2012	6:00:42	WOO-25	ECA	TV	OCO	31	8,658
E095143693	3/12/2012	6:03:25	PET-13	EAC	TV	UNK	630	110,428
E767723691	3/12/2012	6:12:04	GBK-13	EAD	TV	OCO	11	2,529
E136516511	3/12/2012	6:14:11	RAI-12	ECC	TV	OAR	120	108,358
E280143551	3/12/2012	6:15:26	PET-15	EAC	EF	OCO	28	14,128
E921365691	3/12/2012	6:16:25	CRE-15	EAD	TV	OCO	300	50,030
E520687371	3/12/2012	6:27:28	WLK-15	ECA	EF	OCO	5	1,903
E428857103	3/12/2012	6:35:26	CPV-12	EAD	TV	OCO	8	4,397
E340360150	3/12/2012	7:02:23	NLM-16	EAC	TV	OCO	319	87,603
E767361413	3/12/2012	7:03:45	NBO-22	EBD	PO	OSV	1	114
E897491797	3/12/2012	7:09:51	ALG-15	EAC	TV	OFU	8	1,481
E711120917	3/12/2012	7:11:00	PAT-15	ECC	TF	OCO	1,992	320,712
E365849259	3/12/2012	7:12:29	PIK-21	EBF	EF	OCO	1,061	122,563
E690700570	3/12/2012	7:16:58	BLU-13	ECC	TV	OCO	100	9,403
E951201724	3/12/2012	7:22:40	ELD-25	ECC	TV	OPO	1	726
E425696056	3/12/2012	7:29:10	HAP-16	EAA	TV	OCO	17	2,394
E721172573	3/12/2012	7:29:16	BIG-12	EAC	BA	OFU	9	1,087
E799655728	3/12/2012	7:30:57	ALG-12	EAC	TV	OSV	1	234
E762444232	3/12/2012	7:32:28	MIL-17	ECE	TF	OCO	6	2,181
E207000949	3/12/2012	7:35:34	ING-15	EBD	EF	UTR	45	17,450
E474957967	3/12/2012	7:36:01	LAC-13	ECC	TV	OCO	41	16,768
E609049511	3/12/2012	7:37:59	CRE-16	EAD	TV	OCO	10	4,664

Qualifying Storm Event
March 12, 2012

E459057088	3/12/2012	7:38:09	FRG-25	ECC	TF	OCO	1,395	158,558
E599179001	3/12/2012	7:42:03	FRG-24	ECC	TV	OCO	5	625
E261343354	3/12/2012	7:51:51	LTA-18	ECA	TV	OCO	438	115,260
E019110897	3/12/2012	7:54:23	WOL-23	ECC	TF	OCO	2,280	379,886
E945033645	3/12/2012	7:56:25	FRG-22	ECC	TV	OTR	284	177,098
E494119520	3/12/2012	7:58:19	ELD-23	ECC	TV	OCO	2	645
E499796475	3/12/2012	8:00:00	SHD-17	EBI	SO	OTH	4	212
E253188833	3/12/2012	8:00:19	FLD-12	EAD	TV	OCO	4	2,682
E241174299	3/12/2012	8:02:26	SWI-15	ECC	TV	OCR	15	11,154
E873998992	3/12/2012	8:09:37	CHA-15	ECC	TO	OCO	45	17,342
E016046642	3/12/2012	8:11:00	LUH-14	ECC	TF	OCO	3,418	765,632
E954587373	3/12/2012	8:11:10	ALG-15	EAA	TV	OCO	13	3,612
E906392513	3/12/2012	8:12:04	BLU-16	ECC	TV	OTF	3	1,464
E577683195	3/12/2012	8:17:57	LAC-17	ECC	TV	OFC	15	15,481
E885671758	3/12/2012	8:23:00	TLN-0224	ECC	TV	OCO	10,267	1,503,431
E693929239	3/12/2012	8:27:06	RAI-13	ECC	TV	OPO	25	15,848
11037055	3/12/2012	8:29:00	TLN-0147	ECC	TV	OCO	3,993	27,951
E037476256	3/12/2012	8:30:01	CHA-12	ECC	TV	OCO	246	92,246
E709788523	3/12/2012	8:34:50	SWI-16	ECC	TV	OCO	42	19,537
E200211315	3/12/2012	8:35:17	VWY-15	EAA	TV	OCO	17	8,053
E829299258	3/12/2012	8:35:52	CHM-14	ECF	UN	OFU	1	125
11033600	3/12/2012	8:38:36	KIN-21	ECE	TV	OCO	24	4,570
E163819494	3/12/2012	8:41:00	ALG-15	EAA	SO	OPO	151	14,194
E700637178	3/12/2012	8:42:00	PAT-13	ECC	TF	OCO	1,286	183,898
E086290499	3/12/2012	8:44:42	WLK-13	ECA	EF	OTF	4	1,245
E382824604	3/12/2012	8:45:00	WIS-15	EBF	SO	UPT	9	963
11037023	3/12/2012	8:46:00	CHA-15	ECC	TO	OCO	1,599	454,116
E593999615	3/12/2012	8:47:05	SWI-17	ECC	TV	OCO	10	2,489
E320728287	3/12/2012	8:51:15	UHL-23	EBD	TV	OCO	1	85
E566988917	3/12/2012	8:51:47	CHA-16	ECC	TV	OSV	1	314
E745496727	3/12/2012	8:53:10	FWY-11	EBJ	EF	OTR	1	265
11033726	3/12/2012	8:56:00	MIL-17	ECE	TV	OCO	1,716	49,764
E573427232	3/12/2012	8:57:54	SEH-12	EAA	EF	USV	1	207
E701449531	3/12/2012	8:58:34	OLD-23	EAA	TV	OCO	1	90
E299000858	3/12/2012	9:09:06	JHO-16	ECC	TV	OCO	42	12,974
E717164750	3/12/2012	9:22:09	HAW-11	ECC	TV	OCO	267	42,146
E045466775	3/12/2012	9:44:30	MCA-15	ECC	TV	OCO	19	5,178
E013970938	3/12/2012	9:50:10	ANA-16	EAC	EF	OTR	3	867
E204030470	3/12/2012	9:52:49	COT-16	EBD	EF	OTF	1	129
E105564831	3/12/2012	9:56:28	HAP-16	EAA	TV	OCO	31	6,558
E639090796	3/12/2012	9:58:20	BCH-13	EAA	TV	OTF	4	763
E201682818	3/12/2012	10:03:24	BLU-13	ECC	TV	OPI	90	23,904
E338045559	3/12/2012	10:06:00	SWI-13	ECC	TO	OCO	988	104,728
E480852033	3/12/2012	10:25:00	WOB-27	EAA	TV	OSV	1	144
E731639567	3/12/2012	10:37:43	KAP-15	ECA	EF	OJU	31	5,899
E721831749	3/12/2012	10:45:15	HOL-12	ECA	EF	OCO	15	1,181
E065166787	3/12/2012	11:02:51	PAT-15	ECC	TV	OFC	52	13,528
E152894470	3/12/2012	11:10:54	LEA-17	EBI	EF	OCO	3,614	643,751
E616774065	3/12/2012	11:41:02	AIR-23	ECC	TV	OCO	173	53,970
E123366597	3/12/2012	11:51:32	TLN-0012	EBD	TV	OCO	710	30,151
E795759261	3/12/2012	12:00:20	PLU-25	ECC	TV	OTF	5	373
E407320746	3/12/2012	12:04:58	ROC-17	ECC	TV	OCO	3	495
E069609178	3/12/2012	12:11:23	HAW-11	ECC	TV	OCO	267	31,671
E924077763	3/12/2012	12:24:43	LON-22	ECC	TV	OCO	14	3,784
E786128790	3/12/2012	12:57:17	KIT-22	EBH	EF	OCN	1	130
E589294257	3/12/2012	13:22:43	OBY-17	ECC	PO	OTF	1	91
E825630113	3/12/2012	13:29:00	HAP-16	EAA	TV	OTF	1	51

Qualifying Storm Event
 March 12, 2012

E763212709	3/12/2012	13:48:46	GRV-16	ECA	TV	OCO	22	5,439
E378047115	3/12/2012	13:52:45	BLU-17	ECC	TV	OCO	3	727
E796733040	3/12/2012	14:17:29	CUS-16	EAA	EF	OCO	16	4,488
E318499640	3/12/2012	14:34:11	PLG-13	ECC	TV	OCO	12	982
E802013344	3/12/2012	14:47:48	ASB-13	EBJ	EF	OTR	5	1,311
E854047275	3/12/2012	14:54:00	BIG-15	EAC	CP	OCO	1	176
E053148130	3/12/2012	15:03:02	KAP-15	ECA	TV	OCO	2	3,044
E865486706	3/12/2012	15:09:46	CHA-12	ECC	TV	UFJ	64	25,295
E568349381	3/12/2012	15:14:53	BRO-15	EAD	EF	OFU	24	1,923
11033741	3/12/2012	15:15:00	WLK-15	ECA	TV	OPO	11	9,240
E639523994	3/12/2012	15:15:51	AIR-22	ECC	TO	OCO	18	2,109
E759114195	3/12/2012	15:23:24	MCA-15	ECC	TV	OSV	1	270
E382152247	3/12/2012	15:35:31	SPI-14	EBD	EF	OTF	6	675
11033711	3/12/2012	15:36:49	FRG-24	ECC	TV	OCO	2	316
E999300256	3/12/2012	15:45:16	KIN-24	ECE	EF	OTF	1	58
E709954817	3/12/2012	16:07:24	BAR-15	ECC	EF	OTF	3	167
E197690382	3/12/2012	16:10:47	GRI-15	ECC	TV	OCO	24	3,269
E843784239	3/12/2012	16:11:47	PAT-15	ECC	TV	OCO	30	3,247
E552016572	3/12/2012	16:34:20	YEL-27	ECC	TV	OTF	3	464
E981215497	3/12/2012	16:41:51	CUS-13	EAA	EF	OTF	1	58
E788324735	3/12/2012	16:57:21	AIR-23	ECC	TV	OCO	54	8,081
E773133177	3/12/2012	16:58:33	NLM-16	EAC	TV	OFU	1	51
E938221575	3/12/2012	17:27:36	BLU-16	ECC	TV	OTF	1	222
E370595159	3/12/2012	17:30:14	LON-23	ECC	TV	OCO	4	267
E868702454	3/12/2012	18:07:42	GBK-13	EAD	TV	OFU	12	639
E235631351	3/12/2012	18:16:56	SIL-15	ECD	EF	OTF	2	287
E527159714	3/12/2012	18:52:32	SLA-16	EAA	EF	OTR	1	204
E189505132	3/12/2012	19:07:21	RAI-13	ECC	TV	OCO	26	4,991
11033708	3/12/2012	19:09:00	HAZ-15	EBE	EF	USV	1	355
E270938952	3/12/2012	19:10:40	LON-22	ECC	TV	OTR	2	549
E495731957	3/12/2012	19:17:47	DUT-14	ECA	EF	OCO	1,206	180,457
E658799628	3/12/2012	19:50:55	AIR-23	ECC	TV	OCO	112	15,017
E684219956	3/12/2012	20:00:35	ROC-26	ECC	TV	OTF	1	105
11033697	3/12/2012	20:07:00	FRG-22	ECC	TV	OCO	6	498
E056702529	3/12/2012	20:46:28	ORT-22	ECA	AO	UPT	1	337
E858525932	3/12/2012	21:01:52	CHR-22	ECE	TV	OCO	17	4,575
11033699	3/12/2012	21:06:10	ELD-25	ECC	TV	OTR	1	172
E155470767	3/12/2012	21:07:05	KIN-21	ECE	TV	OCO	3	1,125
E642962466	3/12/2012	21:10:00	MIL-17	ECE	TV	OCO	54	5,979
E649743470	3/12/2012	21:53:49	BLU-16	ECC	TV	OFC	1	250
E365587660	3/12/2012	21:57:37	CHA-12	ECC	EF	OTF	1	62
E420346426	3/12/2012	22:27:58	AIR-23	ECC	TV	OTF	3	534
E657692568	3/12/2012	22:38:35	LAT-14	EBJ	EF	OIN	1	64
E668845825	3/12/2012	23:43:07	RAI-11	ECC	TV	OTF	2	340
E152090014	3/12/2012	23:43:58	SOO-25	EBI	TV	OFU	3	456

Terms, Codes and Definitions Used on Detail Reports

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
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Qualifying Storm Event
March 12, 2012

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

Media Coverage

The Seattle Times

It's still winter: Wind, rain, snow for Washington

Spring arrives next week, but this week still looks like winter in Washington.

March 12, 2012 - The Associated Press

SEATTLE —

Spring arrives next week, but this week still looks like winter in Washington.

The National Weather Service says a front moving through the state Monday is bringing strong winds and rain to Western Washington, heavy snow to the Cascades and snow in much of north central and northeast Washington.

Forecasters warned of 30 to 45 mph winds with gusts to 65 Monday morning on the coast. Forecasters advised of 20 to 30 mph winds with gusts to 50 mph in parts of the interior of Western Washington.

Forecasters issued a winter storm warning for the Cascades where they expect up to 18 inches of snow Monday. Forecasters also expect significant snow in the northern portions of Eastern Washington.

The Weather Service predicts more cool, showery weather through the week.



Monday, March 12, 2012

Yeah, it's cold out; so what were you expecting for March?

By **Christine Clarridge**

Monday's high temperature of 47 degrees was a full 6 degrees lower than average for the date — despite reports alleging the arrival of so-called spring next week.

In the decades that Chris Burke has worked as a meteorologist at the National Weather Service in Seattle, he's disciplined himself to have no expectations this time of year.

In fact, he's renamed the seasons and declared them to have no ties whatsoever to the solstices and equinoxes celebrated in other parts of the world.

Around here, he said, July and August are "summer," September and October are "fall," winter lasts from November through February and there's no such thing as spring.

He's dubbed March through June "disappointment."

So, he wasn't at all surprised that Monday's high of 47 degrees was about 6 degrees below average for the date, despite reports alleging the arrival of so-called spring next week.

The wet weather and brisk winds that knocked out power in a few areas Monday morning were expected to abate by Tuesday evening, Burke said.

Representatives of Puget Sound Energy and Snohomish County Public Utility District said there were scattered outages, but power was restored quickly in most cases.

PSE spokeswoman Dorothy Bracken said the approximately 34,000 customers who lost power in PSE's service area were mainly in Thurston County, and power for most was back by Monday evening.

Although the wind was reported to have died down significantly Monday evening from morning when warnings were issued, a few felt its fury.

A rowing team of eight was thrown into the frigid waters of Lake Union about 6:30 p.m. by a "sudden gust of wind," the Seattle Police Department said. The department's Harbor Patrol Unit was on site within minutes and retrieved all eight from the water.

Four more people also were pulled from the water, police spokesman Jeff Kappel wrote in the SPD Blotter, after a second shell capsized while the team was pulling up to a pier.

Burke said the showers that plagued the area Monday were predicted to taper off. "By Tuesday, the chance for rain is only 'likely' as opposed to 'definitely.' "

There's no snow in Seattle's forecast, but the low temperatures make it a possibility in some outlying areas, Burke said.



March 12, 2012

Let's hope it's winter's last gasp as more storms expected

By Stacey Mulick

South Sounders might even see a few more snowflakes overnight.

The South Sound, which was battered by rain and wind gusts Monday, will get a slight reprieve from showers today before another storm front moves over the region Wednesday.

The rainy conditions will continue through the end of the week.

"It's going to be pretty cool for this time of year," said Gary Schneider, a meteorologist for the National Weather Service in Seattle.

Snow could mix with the rain during the overnight hours, but the flakes are not expected to stick around or cause problems, he said.

"(There are) definitely no big snow events on the horizon," Schneider said. "It will be these hit-and-miss nuisance-type things."

On Monday, strong wind gusts knocked out power to thousands in Pierce, Thurston and Whatcom counties. Gusts topped out at 44 miles per hour at Joint Base Lewis-McChord. Wind speed mph ranged from the 30s to low 40s elsewhere in the South Sound.

Puget Sound Energy and Peninsula Light Co. crews spent the morning restoring electricity to customers in Bonney Lake, Lakewood, Olympia, Lakebay, Rainier, Tenino and Yelm, among other areas.

A handful of schools in Thurston County had no electricity or partial electricity for part of the day.

Yelm Community Schools dismissed students early because of outages.