



2017 Qualifying Event Report

October 18, 2017 Event

Filed on January 16, 2018

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Spotty Power Outages Throughout Puget Sound	20
High wind, rain pummel Western Washington. More to come?	20

Event Description

Event Date and Time

Start: 10/18/2017, 13:30

End: 10/19/2017, 24:00

Event Type

Wind

Service Areas Significantly Affected

Whatcom, Skagit, Island, King, Pierce, Thurston and Kitsap Counties

Number of Customers Affected

System wide, approximately 76,797 customers were without power during the course of this event.

Summary of System Impacts

Total Number of Outages for the Event	355
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Transmission Lines Affected	8
Substations Offline	7

Mobilization Summary

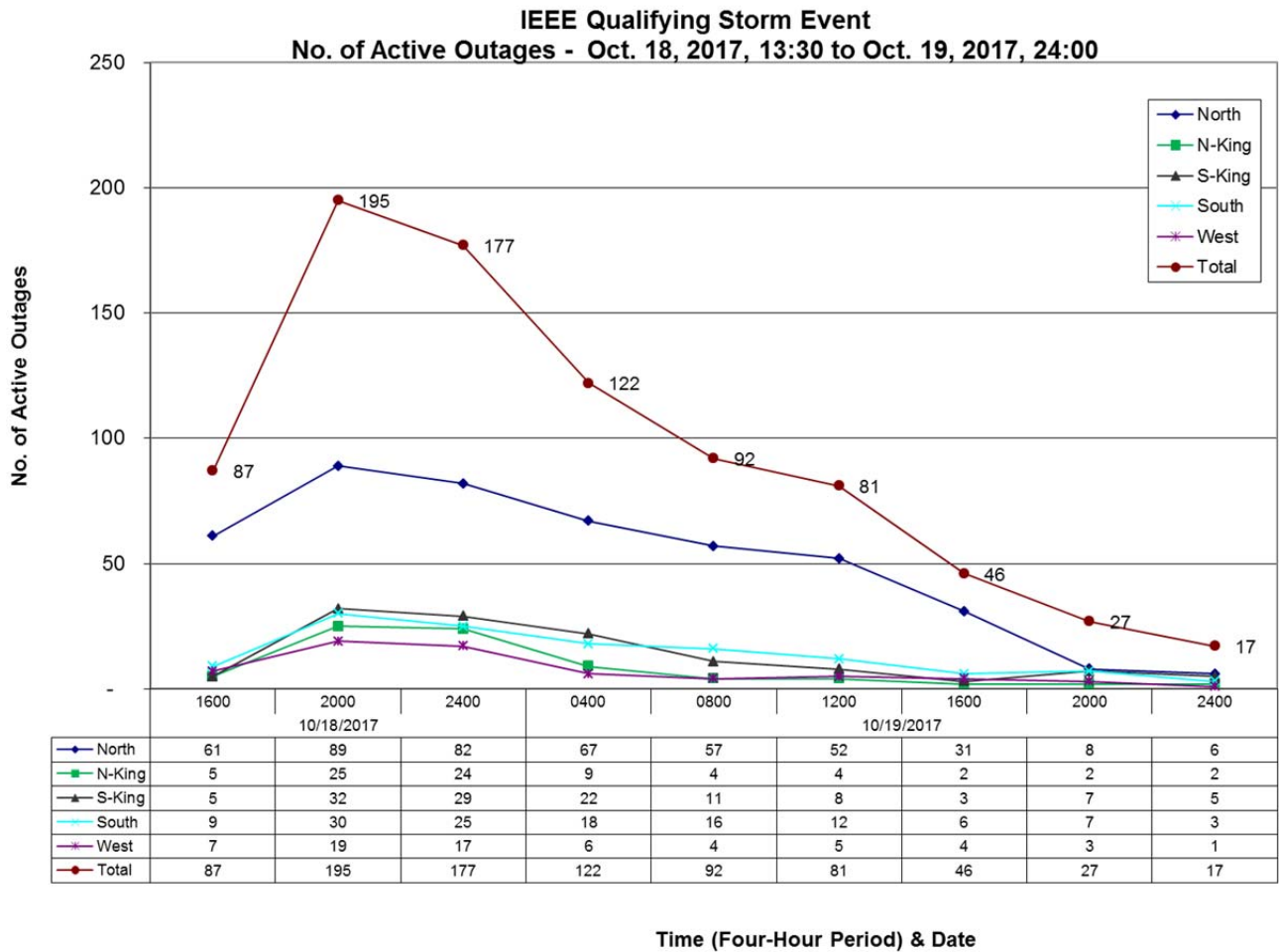
Operating Bases Placed In Emergency Status

Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom/Skagit/Island	10/18/2017	15:30	10/19/2017	21:00
North King	10/18/2017	19:00	10/19/2017	07:00
South King	10/18/2017	18:00	10/19/2017	07:30
Pierce	10/18/2017	18:00	10/19/2017	14:30
Thurston	10/18/2017	18:00	10/19/2017	14:30
Kitsap	10/18/2017	18:00	10/19/2017	10:00
Vashon	10/18/2017	18:00	10/19/2017	10:00
Kittitas	N/A	N/A	N/A	N/A

Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	10/18/2017	20:00	10/19/2017	03:00

Active Outages Event Chart



Major Event Day – Qualification

IEEE¹ Standard 1366

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

IEEE Major Event Day Calculation (2.5 BETA METHOD)

1. A threshold on daily SAIDI² is computed once a year, following year end
2. Assemble the 5 most recent years of historical values of SAIDI/day
3. Discard any days in the data set that has a SAIDI/day of zero
4. Find the natural logarithm of each value in the data set
5. Compute the average (Alpha) and the standard deviation (Beta) of the natural logarithms computed in step 4
6. Compute the threshold T_{MED} where $T_{MED} = \exp(\text{Alpha} + 2.5 * \text{Beta})$
7. Any day in the next year with SAIDI > T_{MED} is a major event day

Puget Sound Energy's IEEE Major Event Threshold (T_{MED}) for 2017: 6.72 Minutes

Qualifying Events - 2017

Current Event – Calculation Detail

Event Date, Time Range	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
10/18/2017, 16:00 – 10/19/2017, 24:00	19,313,262	1,138,714	16.96

Daily SAIDI Detail YTD

First Day that Daily SAIDI Exceeded PSE's TMED of 6.72 Minutes by Qualifying Event

Date	Daily SAIDI (from midnight to midnight)	O&M ³ Costs– Deferrable Accumulation
2/5/2017	20.7	\$8,000,000
4/7/2017	13.1	\$0
5/4/2017	37.9	\$0
5/23/2017	7.1	\$0
10/18/2017	21.0	\$0

¹ IEEE: Institute of Electrical and Electronics Engineers

² SAIDI: System Average Interruption Duration Index

³ O&M: Operations and Maintenance

Event Restoration – YTD Cost Summary

2017 Restoration Costs Detail by Qualifying Event

Event Date	Qualified Events Deferred Account (a)	Capital Costs (b)	O&M Costs Not Deferrable (c)	O&M Costs Deferrable Accumulation (d)	Total O&M Costs (e=c+d)	Total (f=a+b+e)
2/4/2017	\$8,012,069(r)	\$634,509(r)	\$0	\$8,000,000	\$8,000,000	\$16,646,578(r)
4/7/2017	\$638,117(r)	\$68,119	\$0	\$0	\$0	\$706,236(r)
5/4/2017	\$3,313,844(r)	\$495,135(r)	\$0	\$0	\$0	\$3,808,979(r)
5/23/2017	\$439,248(r)	\$27,829(r)	\$0(r)	\$0	\$0	\$467,077(r)
10/18/2017	\$2,125,250	\$363,234	\$0	\$0	\$0	\$2,488,484

(r) = Revised

2017 YTD Storm Restoration Costs Detail

Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total
\$14,528,529	\$1,588,826	\$0	\$8,000,000	\$8,000,000	\$24,117,354

Detail Documents

Restoration Costs Detail – Current Event

Detailed List of Distribution Circuits with Outages

Terms, Codes and Definitions Used on Detail Reports

Restoration Costs Detail – Current Event

Puget Sound Energy						
October 18, 2017- Qualifying Event Restoration Costs						
	Qualified Events Deferred Account (a)	Capital Costs (b)	O&M Costs Not Deferrable (c)	O&M Costs Deferrable Accumulation (d)	Total O&M Costs (e=c+d)	Total (f=a+b+e)
Labor						
ST	\$0	\$298	\$0	\$36,133	\$36,133	\$36,431
OT	\$0	\$2,555	\$0	\$324,498	\$324,498	\$327,054
Total Labor	\$0	\$2,854	\$0	\$360,631	\$360,631	\$363,484
Labor OH	\$0	\$0	\$0	\$529	\$529	\$529
Materials	\$0	\$30,180	\$0	\$100,483	\$100,483	\$130,663
Contractors	\$0	\$242,699	\$0	\$1,423,783	\$1,423,783	\$1,666,482
Other Direct Charges	\$0	\$416	\$0	\$18,583	\$18,583	\$18,999
Fleet	\$0	\$0	\$0	\$0	\$0	\$0
Other Assessments	\$0	\$87,085	\$0	\$221,241	\$221,241	\$308,326
Deferred Expenses	\$2,125,250	\$0	\$0	-\$2,125,250	-\$2,125,250	\$0
	<u>\$2,125,250</u>	<u>\$363,234</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$2,488,484</u>

Detailed List of Outages – 10/18/2017, First T_{MED}-Exceeding Day

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00399933-1	10/18/2017	12:21:25 AM	CWD-25	EBD	AC	UPS	1,540	188,904
P00400389-1	10/18/2017	2:34:00 AM	TLN-0283	ECE	TV		4,001	4,599,962
P00399938-1	10/18/2017	3:55:32 AM	BCH-13	EAA	TV	OTF	1	163
P00399940-1	10/18/2017	5:03:36 AM	NUG-26	EAA	EF	UPC	5	2,198
P00399564-1	10/18/2017	8:28:49 AM	PIP-25	EBI	SO	UEL	90	23,916
P00389302-2	10/18/2017	8:40:29 AM	BON-13	ECA	EF	UPC	40	2,248
P00399519-1	10/18/2017	8:56:42 AM	COT-13	EBD	SO	UPC	8	997
P00399694-1	10/18/2017	9:09:50 AM	CLE-14	EBH	SO	UPC	12	2,528
P00399974-1	10/18/2017	9:19:34 AM	NLM-16	EAC	TV	OCO	333	79,637
P00399990-1	10/18/2017	9:32:02 AM	SKI-13	EBD	BA	UTC	43	3,960
P00399948-1	10/18/2017	9:35:23 AM	KWH-25	EBE	EF	OCO	34	8,624
P00399995-1	10/18/2017	9:43:43 AM	GBK-15	EAD	TV	OJU	47	7,311
P00400000-1	10/18/2017	9:49:45 AM	YEL-26	ECC	EF	OFC	17	1,777
P00400001-1	10/18/2017	9:50:02 AM	STW-12	ECA	EF	OTF	7	268
P00399956-1	10/18/2017	9:52:23 AM	ING-15	EBD	SO	USV	4	598
P00399972-1	10/18/2017	9:58:51 AM	HOB-16	EBI	SO	OPO	8	2,262
P00400010-1	10/18/2017	10:03:46 AM	ALG-15	EAA	TV	OFU	28	1,996
P00400016-1	10/18/2017	10:22:30 AM	HAP-16	EAA	TV	OFU	10	1,236
P00400019-1	10/18/2017	10:32:17 AM	CPV-13	EAD	TV	OFU	29	4,798
P00400018-1	10/18/2017	10:33:26 AM	SCH-13	EAA	SO	OFU	1	115
P00400020-1	10/18/2017	10:34:14 AM	BAK-25	EAA	TV	OFU	5	1,283
P00400022-1	10/18/2017	10:37:49 AM	HAP-16	EAA	TV	OCO	11	6,641
P00400023-1	10/18/2017	10:38:27 AM	FAL-13	EBF	BA	OTF	4	238
P00400028-1	10/18/2017	10:57:26 AM	LAB-25	EAA	TV	OCO	4	834
P00400038-1	10/18/2017	11:19:21 AM	NUG-25	EAA	TV	OCO	1	361
P00400039-1	10/18/2017	11:19:59 AM	FRG-23	ECC	FI	OCN	1	58
P00400043-1	10/18/2017	11:30:19 AM	NUG-25	EAA	OD	OFU	6	518
P00400044-1	10/18/2017	11:33:53 AM	CLV-16	EAD	TV	OTF	2	352
P00400053-1	10/18/2017	11:49:06 AM	HAP-16	EAA	TV	OFU	118	39,318
P00400058-1	10/18/2017	11:51:59 AM	PIK-21	EBF	BA	OTF	1	60
P00400060-1	10/18/2017	11:53:49 AM	BKB-14	EAC	TV	OFU	9	4,779
P00400257-1	10/18/2017	11:54:00 AM	CRE-12	EAD	TV	OPI	19	9,246
P00400061-1	10/18/2017	11:54:36 AM	CRE-12	EAD	TV	OFU	19	7,658
P00400063-1	10/18/2017	11:54:53 AM	NUG-26	EAA	OD	OFU	4	568
P00365781-1	10/18/2017	11:59:05 AM	MVW-13	EBJ	SO	OHR	889	632,005
P00400070-1	10/18/2017	12:03:03 PM	SLA-16	EAA	TV	OCO	677	375,150
P00400071-1	10/18/2017	12:08:06 PM	LAC-17	ECC	TV	OTR	1	718
P00400072-1	10/18/2017	12:10:46 PM	BLS-22	EAA	TV	OFU	4	91
P00400029-1	10/18/2017	12:10:51 PM	MVW-15	EBJ	EF	USV	1	106

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00400085-1	10/18/2017	12:19:27 PM	PET-12	EAC	EF	OCO	68	5,428
P00400086-1	10/18/2017	12:21:27 PM	MSI-24	EBF	TV	OCO	4	448
P00399516-1	10/18/2017	12:22:25 PM	DUV-15	EBD	SO	UPC	1	83
P00400091-1	10/18/2017	12:30:03 PM	MCK-15	EAA	TV	OCO	34	19,083
P00400092-1	10/18/2017	12:30:54 PM	PTR-14	EAA	UN	OCO	114	111,418
P00400100-1	10/18/2017	12:38:53 PM	FCR-12	EBI	EF	OTR	2	600
P00400103-1	10/18/2017	12:45:45 PM	HAP-16	EAA	TV	OCO	38	12,302
P00400104-1	10/18/2017	12:48:23 PM	LLT-13	EBD	TV	OSV	1	177
P00400114-1	10/18/2017	12:54:28 PM	BCH-15	EAA	TV	OFU	14	1,179
P00400115-1	10/18/2017	1:00:49 PM	ROS-15	EBD	TV	OCO	122	10,433
P00400119-1	10/18/2017	1:03:36 PM	HAP-16	EAA	TV	OCO	10	8,786
P00400120-1	10/18/2017	1:03:40 PM	HKX-12	EAC	TV	UTC	1	276
P00400122-1	10/18/2017	1:03:47 PM	BIG-12	EAC	TV	OFU	1	1,615
P00400431-1	10/18/2017	1:06:13 PM	CRE-15	EAD	TV	OCO	8	7,880
P00400128-1	10/18/2017	1:11:36 PM	PHA-17	EBE	TV	OCO	36	18,334
P00400142-1	10/18/2017	1:21:52 PM	LAU-12	EAA	TV	OCO	60	74,594
P00400136-1	10/18/2017	1:22:37 PM	PIN-26	EBD	TV	OCO	153	18,246
P00400141-1	10/18/2017	1:25:26 PM	OBY-17	ECC	TV	OCO	3	963
P00400144-1	10/18/2017	1:29:10 PM	MWD-16	EBE	TV	OCO	26	1,421
P00400147-1	10/18/2017	1:30:09 PM	NLM-16	EAC	TV	OCO	38	9,155
P00400148-1	10/18/2017	1:30:34 PM	PAT-13	ECC	EF	OCO	106	27,081
P00400149-1	10/18/2017	1:32:01 PM	MAN-16	ECD	TV	OFU	74	5,477
P00400153-1	10/18/2017	1:32:53 PM	WLS-15	EAC	TV	OFU	68	8,667
P00399564-1	10/18/2017	1:33:32 PM	PIP-25	EBI	SO	UEL	9	59
P00400156-1	10/18/2017	1:35:36 PM	CEK-14	ECE	TV	OFU	16	1,463
P00400159-1	10/18/2017	1:37:43 PM	SUM-21	EAC	TV	OCO	503	106,816
P00400168-1	10/18/2017	1:41:05 PM	CAR-12	EAA	TV	OCR	15	19,637
P00400194-1	10/18/2017	1:51:23 PM	RIV-16	EAC	TV	OFU	-	6,526
P00400195-1	10/18/2017	1:51:34 PM	HAN-15	EAA	EF	OFC	2	3,089
P00399973-2	10/18/2017	1:52:27 PM	PRI-13	ECC	CP	UPC	73	2,253
P00400204-1	10/18/2017	1:53:12 PM	RIV-16	EAC	TV	OCO	45	25,548
P00399564-1	10/18/2017	1:53:35 PM	PIP-25	EBI	SO	UEL	20	185
P00400716-1	10/18/2017	2:00:58 PM	KEN-12	EAA	TV	OCO	8	13,903
P00400217-1	10/18/2017	2:05:46 PM	WLS-15	EAC	TV	OFU	27	4,270
P00400220-1	10/18/2017	2:08:26 PM	NLM-16	EAC	TV	OFU	31	8,501
P00400221-1	10/18/2017	2:08:47 PM	CUS-15	EAA	TV	OCO	2	3,294
P00400790-1	10/18/2017	2:08:51 PM	KEN-12	EAA	TV	OCO	12	19,509
P00400223-1	10/18/2017	2:09:08 PM	HKX-13	EAC	UN	OHR	302	15,593
P00400230-1	10/18/2017	2:11:04 PM	VWY-13	EAA	OD	OCO	673	22,187
P00400249-1	10/18/2017	2:20:00 PM	PLU-24	ECC	TV	OCO	1,244	51,813
P00400245-1	10/18/2017	2:20:30 PM	ALG-15	EAC	TV	OFU	35	18,592
P00400248-1	10/18/2017	2:21:21 PM	RIV-15	EAC	TV	OFU	19	2,319

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00400250-1	10/18/2017	2:21:46 PM	LAB-27	EAA	TV	OSV	3	3,103
P00400499-1	10/18/2017	2:22:52 PM	HKX-16	EAC	TV	OCR	385	203,062
P00400252-1	10/18/2017	2:23:12 PM	MIL-17	ECE	TV	OCO	20	6,129
P00400260-1	10/18/2017	2:26:07 PM	NLM-12	EAC	TV	OCR	109	100,360
P00400269-1	10/18/2017	2:27:52 PM	RIT-18	EAC	TV	OFU	16	16,209
P00400282-1	10/18/2017	2:30:37 PM	RIV-12	EAC	TV	OFU	41	8,574
P00400342-1	10/18/2017	2:37:28 PM	HAN-15	EAA	UN	OFU	94	41,968
P00401853-1	10/18/2017	2:37:36 PM	HAM-13	EAC	TV	OCO	-	48,772
11340111	10/18/2017	2:38:00 PM	HOU-25	EBD	EF	OTR	3	222
P00400349-3	10/18/2017	2:38:04 PM	NLM-15	EAC	TV		693	357,355
P00400349-1	10/18/2017	2:38:04 PM	NLM-15	EAC	TV	OCO	693	357,355
P00400396-1	10/18/2017	2:39:47 PM	MIL-17	ECE	TV	OCO	1,746	116,637
P00401789-1	10/18/2017	2:40:39 PM	HAM-13	EAC	TV	OPO	430	397,193
P00400398-1	10/18/2017	2:41:37 PM	HAN-16	EAA	TV	OCO	63	87,267
P00400415-1	10/18/2017	2:43:00 PM	HAM-13	EAC	TV	OCO	659	(1)
P00400420-1	10/18/2017	2:44:02 PM	FRA-12	ECD	TV	OCO	1,149	80,755
P00400421-1	10/18/2017	2:46:48 PM	LGY-12	EAD	TV	UOT	64	26,352
P00400785-1	10/18/2017	2:49:30 PM	HAM-13	EAC	TV	OCO	29	(1)
P00400430-1	10/18/2017	2:49:57 PM	BDI-15	EBI	TV	OFU	8	566
P00400446-1	10/18/2017	2:53:49 PM	VWY-13	EAA	TV	OCO	43	28,370
P00400444-1	10/18/2017	2:55:29 PM	BCH-15	EAA	UN	OFU	14	7,714
P00400447-1	10/18/2017	2:57:34 PM	CRE-15	EAD	TV	OFU	53	1,704
P00400449-1	10/18/2017	2:57:39 PM	FNW-17	ECD	UN	OCO	131	45,950
P00400450-1	10/18/2017	2:57:57 PM	MKI-16	ECC	TV	OCO	16	1,063
P00400456-1	10/18/2017	2:59:04 PM	BCH-16	EAA	TV	OFU	30	13,058
P00400467-1	10/18/2017	3:03:20 PM	PMA-13	ECE	TV	OCO	25	3,608
P00400466-1	10/18/2017	3:03:22 PM	FRG-23	ECC	TV	OCO	26	12,758
P00400468-1	10/18/2017	3:03:40 PM	NLM-13	EAC	TV	OFU	18	21,821
P00401737-1	10/18/2017	3:04:00 PM	BIG-12	EAC	TV	OPO	7	10,972
P00400470-1	10/18/2017	3:04:45 PM	RIT-16	EAC	TV	OCO	67	75,922
P00400472-1	10/18/2017	3:05:42 PM	MTV-17	EAC	EF	USV	1	1,002
P00401828-1	10/18/2017	3:06:45 PM	BIG-12	EAC	TV	OCO	5	7,152
P00400480-1	10/18/2017	3:07:42 PM	NLM-12	EAC	TV	OCO	4	6,349
P00401804-1	10/18/2017	3:09:06 PM	SCH-15	EAA	TV	OCO	-	34,580
P00400484-1	10/18/2017	3:11:00 PM	WIS-16	EBF	TV	OCO	1	978
P00400497-1	10/18/2017	3:12:00 PM	HAM-15	EAC	TV	OPO	876	1,230,334
P00401825-1	10/18/2017	3:13:29 PM	HAM-15	EAC	TV	OCO	35	42,687
P00402048-1	10/18/2017	3:13:57 PM	HAM-15	EAC	TV	OFU	260	169,272
P00400495-1	10/18/2017	3:14:08 PM	BLA-13	EAA	TV	OFU	48	13,494
P00401542-1	10/18/2017	3:17:00 PM	BIG-12	EAC	TV	OPO	85	123,695
P00400502-1	10/18/2017	3:17:14 PM	BIG-15	EAC	TV	OCO	150	88,723
P00400505-1	10/18/2017	3:18:06 PM	VWY-12	EAA	TV	OCO	160	88,805

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00400507-1	10/18/2017	3:18:14 PM	NUG-26	EAA	TV	OCO	85	73,001
P00400508-1	10/18/2017	3:18:35 PM	KAP-13	ECA	EF	OTR	14	1,546
P00402050-1	10/18/2017	3:19:26 PM	HAM-15	EAC	TV	OFU	87	104,955
P00400519-1	10/18/2017	3:24:12 PM	PLG-13	ECC	TV	OCO	53	50,338
P00400520-1	10/18/2017	3:25:25 PM	LON-22	ECC	TV	OTR	33	3,868
P00400523-1	10/18/2017	3:26:37 PM	VWY-12	EAA	TV	OCO	14	14,500
P00400526-1	10/18/2017	3:27:04 PM	ELD-27	ECC	TV	OFU	22	5,913
P00401802-1	10/18/2017	3:28:00 PM	SCH-15	EAA	TV	OCO	42	21,136
P00400533-1	10/18/2017	3:28:44 PM	VAS-12	EBL	TV	OFU	195	11,456
P00401069-1	10/18/2017	3:31:19 PM	KEN-12	EAA	TV	OCO	25	3,818
P00400537-1	10/18/2017	3:31:25 PM	HAP-13	EAA	TV	OTR	40	6,306
P00400539-1	10/18/2017	3:31:34 PM	NUG-26	EAA	TV	OFU	48	40,044
P00400540-1	10/18/2017	3:31:52 PM	GBK-15	EAD	TV	OCO	21	18,505
P00400548-1	10/18/2017	3:32:37 PM	CEK-16	ECE	TV	OHR	1,146	58,446
P00399958-1	10/18/2017	3:33:20 PM	GWR-16	EBI	SO	UPT	15	5,271
P00400544-1	10/18/2017	3:33:33 PM	GBK-15	EAD	TV	OTR	4	3,927
P00400555-1	10/18/2017	3:34:07 PM	SLA-15	EAA	TV	OCO	329	55,036
P00400560-1	10/18/2017	3:37:22 PM	SWD-12	ECE	TV	OCO	1	1,015
P00400567-1	10/18/2017	3:39:29 PM	ORT-22	ECA	TV	OCO	51	12,160
P00400568-1	10/18/2017	3:39:31 PM	BIG-15	EAC	TV	OFU	271	331,840
P00400578-1	10/18/2017	3:40:23 PM	NNO-12	EBJ	TV	OCO	1,055	301,849
P00400588-1	10/18/2017	3:41:03 PM	MOT-14	ECC	EF	OCO	36	9,226
P00401834-1	10/18/2017	3:41:28 PM	SCH-15	EAA	TV	OCO	8	12,814
P00400579-1	10/18/2017	3:41:46 PM	NBE-15	EBF	TV	OCO	10	948
P00400589-1	10/18/2017	3:47:24 PM	BLA-13	EAA	TV	OCO	17	23,150
P00400596-1	10/18/2017	3:48:34 PM	HAP-13	EAA	TV	OCO	47	48,828
P00400600-1	10/18/2017	3:50:59 PM	VAS-12	EBL	TV	OFU	3	261
P00400601-1	10/18/2017	3:51:09 PM	SCH-15	EAA	EF	OFU	50	26,678
P00400605-1	10/18/2017	3:52:05 PM	SNQ-17	EBF	TV	OCO	170	6,810
P00400606-1	10/18/2017	3:52:31 PM	LWS-14	EBJ	TV	OCO	1,789	200,010
P00400607-1	10/18/2017	3:52:36 PM	BTN-36	EAC	TV	OSV	3	3,472
P00400628-1	10/18/2017	3:53:39 PM	CAM-24	EBJ	UN	OCO	1,330	114,336
P00400634-1	10/18/2017	3:56:37 PM	PIN-23	EBD	TV	OCO	121	8,410
P00400656-1	10/18/2017	3:59:39 PM	UHL-23	EBD	TV	OCO	5	848
P00401691-1	10/18/2017	4:00:00 PM	TLN-0003	EAA	OD	OCO	1,074	1,394,213
P00400897-1	10/18/2017	4:01:21 PM	PTR-14	EAA	TV	OCO	-	3,578
P00400666-1	10/18/2017	4:04:45 PM	MTV-17	EAC	TV	OCO	1	1,079
P00400669-1	10/18/2017	4:07:57 PM	PLG-13	ECC	TV	OCO	1	902
P00400129-1	10/18/2017	4:09:00 PM	WLS-15	EAC	TV	OSV	1	3,054
P00400671-1	10/18/2017	4:09:12 PM	KEN-12	EAA	TV	OCO	2	87
P00400469-1	10/18/2017	4:11:00 PM	BIG-12	EAC	TV	OCO	319	232,537
P00400676-1	10/18/2017	4:11:16 PM	RIT-17	EAC	TV	UOT	4	4,932

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00400019-2	10/18/2017	4:12:27 PM	CPV-13	EAD	TV	OCO	29	1,488
P00400681-1	10/18/2017	4:12:34 PM	FRA-12	ECD	TV	OTF	3	1,932
P00400693-1	10/18/2017	4:12:41 PM	KEN-13	EAA	TV	OCO	404	534,654
P00401544-1	10/18/2017	4:13:53 PM	BIG-12	EAC	TV	OCO	71	69,720
P00401879-1	10/18/2017	4:13:59 PM	NUG-26	EAA	TV	OTF	-	1,416
P00400696-1	10/18/2017	4:14:42 PM	BTN-36	EAC	TV	OCO	105	16,249
P00400704-1	10/18/2017	4:16:35 PM	PAN-15	EBJ	TV	OFU	27	11,561
P00400705-1	10/18/2017	4:17:08 PM	FNW-17	ECD	TV	OTF	3	1,764
P00400712-1	10/18/2017	4:18:42 PM	POU-13	ECE	TV	OFU	1	577
P00400793-1	10/18/2017	4:19:27 PM	LON-25	ECC	TV	OFU	177	66,337
P00401878-1	10/18/2017	4:19:33 PM	NUG-26	EAA	TV	OFU	27	14,381
P00400766-1	10/18/2017	4:21:00 PM	TLN-0033	EBE	TV	OCO	5,454	1,014,755
P00400725-1	10/18/2017	4:23:06 PM	RAI-11	ECC	TV	OCO	9	10,208
P00401087-1	10/18/2017	4:23:48 PM	ALG-15	EAA	TV	OPO	84	78,957
P00400747-1	10/18/2017	4:24:49 PM	MIL-23	ECE	EF	OTR	1	608
P00400769-1	10/18/2017	4:27:03 PM	PIN-26	EBD	TV	OCO	13	4,708
P00400774-1	10/18/2017	4:27:45 PM	MLK-15	EBE	TV	OCO	16	1,216
P00401820-1	10/18/2017	4:27:57 PM	FWY-13	EBJ	TV	UTC	17	7,415
P00400838-1	10/18/2017	4:31:17 PM	FWY-13	EBJ	TV	OCO	92	39,712
P00400787-1	10/18/2017	4:34:09 PM	NUG-26	EAA	EF	OFU	56	33,883
P00400801-1	10/18/2017	4:37:50 PM	FRA-13	ECD	TV	OCO	35	7,630
P00400814-1	10/18/2017	4:40:58 PM	BAS-13	EBJ	TV	OCO	2,044	340,500
P00400810-1	10/18/2017	4:41:30 PM	BIG-12	EAC	TV	OCO	27	17,786
P00400812-1	10/18/2017	4:41:57 PM	NUG-25	EAA	TV	OCO	9	13,817
P00401580-1	10/18/2017	4:42:04 PM	PAT-15	ECC	TV	OCO	5	5,176
P00400817-1	10/18/2017	4:42:37 PM	BRO-15	EAD	TV	OCO	28	16,948
P00400824-1	10/18/2017	4:43:50 PM	AIR-23	ECC	TV	UTC	1	976
P00400825-1	10/18/2017	4:43:59 PM	LLS-17	EAA	EF	PMF	83	15,571
P00400831-1	10/18/2017	4:44:54 PM	WLS-15	EAC	TV	OFU	7	3,187
P00400837-1	10/18/2017	4:45:38 PM	LON-25	ECC	TV	OCO	176	24,241
P00400845-1	10/18/2017	4:46:43 PM	HOL-12	ECA	TV	OFU	14	5,040
P00400854-1	10/18/2017	4:50:17 PM	DUV-15	EBD	TV	OTF	3	310
P00401400-1	10/18/2017	4:51:41 PM	ING-17	EBD	TV	OTF	9	5,561
P00401880-1	10/18/2017	4:53:22 PM	NUG-26	EAA	UN	PTF	-	669
P00400871-1	10/18/2017	4:54:23 PM	KEN-12	EAA	UN	OCO	1	1,426
P00401084-1	10/18/2017	4:57:18 PM	RIV-16	EAC	UN	OTF	-	223
P00400882-1	10/18/2017	4:57:20 PM	EDG-12	ECA	OD	OCO	-	266,675
P00400879-1	10/18/2017	4:57:25 PM	KNT-37	EBJ	TV	OPO	1,979	484,200
P00400876-1	10/18/2017	4:57:35 PM	VAS-12	EBL	TV	OFU	36	9,315
P00400878-1	10/18/2017	4:58:31 PM	LYO-15	EBJ	TV	OTF	1	850
P00400881-1	10/18/2017	4:59:01 PM	FAL-15	EBF	TV	OCN	12	3,119
P00400889-1	10/18/2017	5:00:06 PM	LLT-16	EBD	TV	OTF	4	2,034

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00400891-1	10/18/2017	5:00:28 PM	ELD-25	ECC	TV	OCO	22	12,562
P00400892-1	10/18/2017	5:00:30 PM	PRE-11	EBE	EF	OTF	4	403
P00400894-1	10/18/2017	5:01:12 PM	FRA-16	ECD	TV	OCN	22	13,704
P00400903-1	10/18/2017	5:03:15 PM	OSC-23	EBI	TV	OCO	34	2,667
P00400904-1	10/18/2017	5:03:53 PM	MVW-13	EBJ	TV	OSV	2	4,905
P00400908-1	10/18/2017	5:04:49 PM	DUV-15	EBD	TV	OIN	119	78,905
P00400913-1	10/18/2017	5:06:06 PM	WOB-23	EAA	TV	OCO	78	80,384
P00400921-1	10/18/2017	5:07:52 PM	ALG-15	EAC	TV	OFU	54	21,256
P00400929-1	10/18/2017	5:09:05 PM	SBE-25	EBE	UN	UTC	89	41,655
P00400935-1	10/18/2017	5:09:21 PM	STA-26	EBJ	TV	OCO	1,140	206,511
P00400662-1	10/18/2017	5:10:18 PM	UHL-25	EBD	TV	OCO	3	86
P00400934-1	10/18/2017	5:11:08 PM	CUS-15	EAA	EF	OTR	3	3,979
P00400937-1	10/18/2017	5:11:44 PM	LMD-16	EBJ	TV	OFU	106	51,198
P00400939-1	10/18/2017	5:12:14 PM	SPA-16	ECA	TV	OTF	9	2,268
P00400959-1	10/18/2017	5:13:00 PM	NRU-27	EBE	AC	OCO	522	101,703
P00401487-1	10/18/2017	5:13:08 PM	FRG-25	ECC	EF	OPO	280	197,783
P00400947-1	10/18/2017	5:13:31 PM	SEQ-17	EBJ	TV	OFU	32	39,700
P00400951-1	10/18/2017	5:13:55 PM	VAS-12	EBL	TV	OCO	54	8,176
P00400956-1	10/18/2017	5:14:47 PM	PEA-15	EBJ	TV	OCO	32	15,063
P00400862-1	10/18/2017	5:18:42 PM	ING-17	EBD	TV	OSV	-	548
P00400973-1	10/18/2017	5:19:21 PM	TAN-16	ECC	TV	OCO	16	16,253
P00400981-1	10/18/2017	5:21:26 PM	DES-15	EBJ	TV	OFU	86	42,894
P00400984-1	10/18/2017	5:22:22 PM	NLM-16	EAC	UN	OCO	2	2,538
P00400989-1	10/18/2017	5:23:02 PM	LON-17	ECC	TV	OCO	1,915	484,295
P00401029-1	10/18/2017	5:25:58 PM	GRA-25	EBJ	TV	OCO	2,586	638,674
P00401023-1	10/18/2017	5:26:30 PM	NLM-16	EAC	UN	OCO	40	46,705
P00401031-1	10/18/2017	5:27:27 PM	HEM-13	ECA	TV	OCO	4	5,733
P00401045-1	10/18/2017	5:27:43 PM	SOM-17	EBE	TV	OCO	2,856	493,088
P00401101-1	10/18/2017	5:29:57 PM	VAS-12	EBL	TV	OFU	38	27,546
P00401070-1	10/18/2017	5:30:32 PM	GAR-13	ECA	TV	OCO	174	85,415
P00401104-1	10/18/2017	5:35:40 PM	EVE-23	EBD	TV	OCO	198	95,792
P00401800-1	10/18/2017	5:37:19 PM	ALG-15	EAA	TV	OCO	28	24,864
P00401088-1	10/18/2017	5:37:48 PM	KNT-25	EBJ	TV	OCO	3	2,976
P00401089-1	10/18/2017	5:37:51 PM	PLA-23	EBD	TV	OCO	15	2,924
P00401093-1	10/18/2017	5:38:17 PM	FWY-11	EBJ	TV	OSV	1	598
P00401100-1	10/18/2017	5:39:46 PM	AVO-17	EBD	TV	OCO	40	13,890
P00401109-1	10/18/2017	5:40:14 PM	DES-12	EBJ	TV	OCO	1,216	312,816
P00401114-1	10/18/2017	5:42:06 PM	LAT-14	EBJ	TV	OFU	32	20,199
P00400820-1	10/18/2017	5:44:09 PM	KAP-15	ECA	TV	OCO	44	1,748
P00401125-1	10/18/2017	5:45:05 PM	ORT-26	ECA	TV	OCO	309	9,550
P00401127-1	10/18/2017	5:46:08 PM	JUA-25	EBD	TV	OTF	4	1,860
P00401130-1	10/18/2017	5:47:18 PM	HEM-13	ECA	TV	OCO	4	6,687

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00401133-1	10/18/2017	5:48:25 PM	LWS-14	EBJ	UN	OSW	1,789	59,690
P00401134-1	10/18/2017	5:48:32 PM	SNQ-15	EBF	TV	OCO	39	15,270
P00401136-1	10/18/2017	5:48:56 PM	DES-13	EBJ	TV	OTF	4	2,436
P00401139-1	10/18/2017	5:49:44 PM	SWD-13	ECE	TV	OFU	48	5,886
P00401620-1	10/18/2017	5:51:27 PM	NUG-26	EAA	TV	OTF	-	2,441
P00401162-1	10/18/2017	5:53:34 PM	KCR-17	EBJ	TV	OFU	198	51,193
P00401164-1	10/18/2017	5:54:08 PM	HAZ-16	EBE	TV	OCR	66	9,756
P00401167-1	10/18/2017	5:54:24 PM	LAC-17	ECC	TV	OCO	17	9,886
P00401170-1	10/18/2017	5:54:50 PM	COT-15	EBD	TV	PTF	2	741
P00401177-1	10/18/2017	5:55:02 PM	SKI-16	EBD	TV	UTC	72	17,968
P00401175-1	10/18/2017	5:55:49 PM	SOO-26	EBI	EF	OTF	3	541
P00401182-1	10/18/2017	5:56:00 PM	LON-22	ECC	TV	OCO	24	14,109
P00401188-1	10/18/2017	5:57:56 PM	HOB-17	EBI	TV	OCO	55	24,094
P00401191-1	10/18/2017	5:58:33 PM	DGR-17	ECA	TV	OCO	27	30,316
P00401195-1	10/18/2017	5:59:07 PM	SNQ-17	EBF	TV	OCO	106	8,812
P00401197-1	10/18/2017	5:59:52 PM	EGT-12	EBE	TV	OTR	2	861
P00401865-1	10/18/2017	6:00:26 PM	ZEN-26	EBJ	TV	OTF	5	2,677
P00401201-1	10/18/2017	6:01:24 PM	POU-15	ECE	TV	OFU	1	1,009
P00401209-1	10/18/2017	6:02:28 PM	LAB-25	EAA	EF	OFC	1	1,332
P00401229-1	10/18/2017	6:03:13 PM	CHI-15	ECD	UN	PTF	40	19,227
P00401582-1	10/18/2017	6:04:36 PM	DGR-15	ECA	TV	OCA	1,923	780,722
P00401337-1	10/18/2017	6:05:26 PM	TLN-0037	ECA	TV	OPO	5,777	908,906
P00401248-1	10/18/2017	6:06:01 PM	FNW-17	ECD	TV	OCO	694	69,967
P00401247-1	10/18/2017	6:06:02 PM	EDG-13	ECA	TV	OPO	-	203
P00401250-1	10/18/2017	6:06:13 PM	EDG-16	ECA	TV	OPO	-	153
P00401251-1	10/18/2017	6:06:19 PM	EDG-16	ECA	TV	OPO	-	2,740
P00401252-1	10/18/2017	6:06:28 PM	EDG-15	ECA	TV	OPO	-	495
P00401254-1	10/18/2017	6:06:29 PM	EDG-15	ECA	TV	OPO	-	316
P00401257-1	10/18/2017	6:06:42 PM	EDG-13	ECA	TV	OPO	-	238
P00401258-1	10/18/2017	6:06:46 PM	CRE-15	EAD	TV	UOT	23	7,391
P00401259-1	10/18/2017	6:06:48 PM	EDG-15	ECA	TV	OPO	-	310
P00401262-1	10/18/2017	6:06:54 PM	EDG-13	ECA	TV	OPO	-	150
P00401284-1	10/18/2017	6:07:00 PM	FLC-15	EBJ	TV	OCO	22	9,803
P00401265-1	10/18/2017	6:07:04 PM	EDG-16	ECA	TV	OPO	-	148
P00401269-1	10/18/2017	6:07:26 PM	EDG-16	ECA	TV	OPO	-	170
P00401273-1	10/18/2017	6:07:29 PM	EDG-13	ECA	TV	OPO	-	159
P00401268-1	10/18/2017	6:07:30 PM	EDG-16	ECA	TV	OPO	-	708
P00401275-1	10/18/2017	6:07:34 PM	EDG-16	ECA	TV	OPO	-	337
P00401276-1	10/18/2017	6:07:38 PM	EDG-13	ECA	TV	OPO	-	128
P00401277-1	10/18/2017	6:07:39 PM	ROL-15	EBJ	TV	UTC	11	11,673
P00401280-1	10/18/2017	6:07:47 PM	EDG-16	ECA	TV	OPO	-	157
P00401334-1	10/18/2017	6:10:09 PM	PEA-15	EBJ	TV	UTC	3	891

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00401346-1	10/18/2017	6:11:38 PM	SPG-13	ECC	TV	OCO	16	7,538
P00401347-1	10/18/2017	6:11:47 PM	NLM-13	EAC	UN	OTF	-	563
P00401367-1	10/18/2017	6:16:50 PM	HEM-16	ECA	TV	OCO	1,373	183,525
P00401378-1	10/18/2017	6:18:20 PM	VAS-23	EBL	TV	OTF	1	479
P00401382-1	10/18/2017	6:18:34 PM	WIN-15	ECE	UN	PTF	3	1,697
P00401069-1	10/18/2017	6:20:03 PM	KEN-12	EAA	TV	OCO	25	33,657
P00401409-1	10/18/2017	6:25:47 PM	HAP-13	EAA	TV	UTC	200	79,243
P00401827-1	10/18/2017	6:27:50 PM	HAM-15	EAC	TV	OCO	18	19,883
P00401415-1	10/18/2017	6:28:37 PM	NBE-13	EBF	TV	OTF	3	1,261
P00401416-1	10/18/2017	6:28:57 PM	HAP-13	EAA	UN	OTR	4	4,574
P00401418-1	10/18/2017	6:29:45 PM	KIN-21	ECE	TV	OFU	6	1,376
P00401423-1	10/18/2017	6:31:34 PM	RIV-16	EAC	TV	OTF	4	3,173
P00401425-1	10/18/2017	6:32:24 PM	VAS-23	EBL	TV	OFU	40	18,022
P00401429-1	10/18/2017	6:34:03 PM	HOU-25	EBD	TV	OCO	27	7,325
P00401433-1	10/18/2017	6:36:08 PM	FRG-25	ECC	TV	OFU	15	4,845
P00401437-1	10/18/2017	6:37:32 PM	LLS-17	EAA	TV	OCO	2,590	181,300
P00401452-1	10/18/2017	6:40:58 PM	ZEN-26	EBJ	TV	OCO	2	392
P00401458-1	10/18/2017	6:42:17 PM	ROE-13	EAA	TV	OSV	7	3,211
P00401644-1	10/18/2017	6:43:42 PM	LHL-25	EBE	EF	UEL	162	49,213
P00401476-1	10/18/2017	6:45:18 PM	LON-26	ECC	TV	OCO	9	6,422
P00401493-1	10/18/2017	6:53:44 PM	LAT-14	EBJ	TV	OSV	3	1,452
P00401494-1	10/18/2017	6:54:56 PM	GWR-16	EBI	TV	OHR	320	121,580
P00401508-1	10/18/2017	7:00:40 PM	RAI-11	ECC	TV	OSV	1	309
P00401693-1	10/18/2017	7:04:01 PM	ORT-23	ECA	TV	OCO	358	290,524
P00400627-2	10/18/2017	7:05:57 PM	SHD-18	EBI	TV	OCO	13	1,332
P00401535-1	10/18/2017	7:13:06 PM	FAL-15	EBF	TV	UTC	1	417
P00401552-1	10/18/2017	7:23:51 PM	WIN-15	ECE	TV	OFU	22	1,608
11340555	10/18/2017	7:31:00 PM	DES-12	EBJ	TV	OFC	19	21,223
P00401566-1	10/18/2017	7:32:44 PM	BCH-13	EAA	TV	OCR	6	1,295
P00401567-1	10/18/2017	7:33:43 PM	GAG-13	EAC	TV	OTF	3	3,912
P00401572-1	10/18/2017	7:33:50 PM	SLA-17	EAA	TV	OCO	1,817	172,493
P00401568-1	10/18/2017	7:34:15 PM	BRI-15	EAA	TV	OPO	3	2,179
P00401575-1	10/18/2017	7:36:08 PM	PLA-24	EBD	TV	UTC	3	397
P00401587-1	10/18/2017	7:48:11 PM	BIG-12	EAC	TV	OCO	1	1,210
P00401596-1	10/18/2017	7:49:08 PM	ING-13	EBD	UN	OTF	7	2,398
P00401598-1	10/18/2017	7:50:33 PM	BLA-13	EAA	TV	OCO	470	48,253
P00401615-1	10/18/2017	7:54:39 PM	RHO-15	ECA	EF	OFC	36	30,864
P00401618-1	10/18/2017	7:55:08 PM	SWD-11	ECE	TV	OTF	1	243
P00401631-1	10/18/2017	8:03:07 PM	FNW-17	ECD	TV	OTF	1	153
P00401673-1	10/18/2017	8:07:18 PM	GRA-25	EBJ	UN	PMF	29	22,430
P00401281-1	10/18/2017	8:13:52 PM	CAM-25	EBJ	TV	OFU	20	220
P00401669-1	10/18/2017	8:19:48 PM	FRA-13	ECD	TV	OFU	2	712

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00401672-1	10/18/2017	8:25:04 PM	ORT-26	ECA	TV	OTF	1	297
P00401699-1	10/18/2017	8:38:45 PM	VAS-13	EBL	TV	OCO	405	31,663
P00401708-1	10/18/2017	8:42:57 PM	WAB-13	EBI	TV	OFU	1	428
P00401710-1	10/18/2017	8:43:30 PM	GRA-25	EBJ	TV	OCO	49	15,176
P00401714-1	10/18/2017	8:44:24 PM	WAB-12	EBI	TV	OCO	2	610
P00401715-1	10/18/2017	8:44:48 PM	BIG-12	EAC	UN	OFU	2	2,458
P00401464-1	10/18/2017	9:02:20 PM	SOM-16	EBE	TV	OTR	3	45
P00401743-1	10/18/2017	9:08:12 PM	SLA-16	EAA	TV	OTF	266	11,293
P00401746-1	10/18/2017	9:13:41 PM	PIK-21	EBF	TV	OCO	636	146,778
P00401751-1	10/18/2017	9:15:06 PM	FRA-15	ECD	TV	OCO	91	37,672
P00401768-1	10/18/2017	9:25:47 PM	LAT-13	EBJ	TV	OTF	2	964
P00401774-1	10/18/2017	9:30:11 PM	AIR-23	ECC	TV	OFU	120	25,874
P00401780-1	10/18/2017	9:33:10 PM	GLC-15	EBJ	TV	OFU	6	1,916
P00401456-1	10/18/2017	9:35:20 PM	DUV-15	EBD	TV	OCO	4	827
P00401793-1	10/18/2017	9:50:10 PM	FNW-17	ECD	TV	OTF	5	3,538
P00401805-1	10/18/2017	10:23:11 PM	OSC-23	EBI	TV	OFU	11	4,307
P00401722-1	10/18/2017	10:32:33 PM	BTR-22	EBE	TV	UTC	29	2,892
P00401812-1	10/18/2017	10:48:45 PM	MSI-24	EBF	TV	OCO	6	6,300
P00401818-1	10/18/2017	11:08:56 PM	RIT-17	EAC	TV	OCO	2	1,956
P00401782-1	10/18/2017	11:09:39 PM	AIR-23	ECC	TV	OCO	40	1,078
P00401830-1	10/18/2017	11:26:25 PM	BIG-12	EAC	TV	OCO	3	3,354
P00401835-1	10/18/2017	11:49:13 PM	SKY-23	EBD	TV	OSV	1	390
P00401807-1	10/18/2017	11:49:15 PM	MSI-24	EBF	TV	OCO	26	637

Terms, Codes and Definitions Used in Detailed List of Outages

Notification (NUMBER)	A number assigned by SAP, identifying the outage record	
Date (DATE)	The date of the outage	
Time (TIME)	The time of the outage	
Circuit (CKT)	The circuit identifier for the affected circuit	
Area (MPG)	Maintenance Planner Group A code representing the energy, region and service center	
	EAA – Bellingham	EBJ – South King
	EAC – Skagit	EBL – Vashon
	EAD – Whidbey	ECA – Puyallup
	EBD – Redmond	ECC – Olympia
	EBE – Factoria	ECD – Port Orchard
	EBF – Snoqualmie	ECE – Poulsbo
	EBI – Enumclaw	
Cause (CAZ)	Cause of Outage	
	AO – Accident Other	EF – Equipment Failure
	BA – Bird or Animal	EO – Electrical Overload
	CP – Car Pole	FI – Faulty Installation
	CR – Customer Request	TF – Tree Off Right-of-Way
	DU – Dig-up Underground	TO – Tree On Right-of-Way
	TV – Trees/Vegetation	SO – Scheduled Outage
	UN – Unknown	
Equipment (EQT)	Affected by, or involved in the outage	
	OCN – Connector	OSW – Overhead Switch
	OCO – Overhead Conductor	OTF – Overhead Transformer Fuse
	OCR – Crossarm	OTR – Overhead Transformer
	OFC – Overhead Cut-out	OUP – OH to UG Primary
	OFS – Overhead Fire Signal	OUS – OH to UG Secondary Service
	OFU – Fuse Link/OH Line Fuse	SBF – High-side Bank Fuse
	OGS – Span Guy	SCB – Power Circuit Breaker
	OHR – Overhead Recloser	UOT – Underground Outdoor Term
	OIN – Insulator	UPC – Underground Primary Cable
	OJU- Jump Wire	UPT – Padmount Transformer
	OPI – Overhead Pin Insulator	USV – Underground Service
	OPO – Pole	UTC – Underground Terminal Fuse
	OSV – Overhead Service	UTR – Submersible Transformer
	ORE – Regulator	
CUST OUT (CUST.OUT)	Customer Out , The number of customers without power for any given outage record	
CUST MIN (CUST. MIN)	Customer Minutes , The total number of minutes customers were without power for any given record	

Media & Communication Coverage

National Weather Service E-mail Bulletin

Issued: Tuesday 5/23/2017 12:03 PM

Hello,

This message is intended as an informational briefing for public safety decision makers. We ask that you continue to monitor latest information using the resources listed below. You are welcome to share this message with others in your organization. Please do not respond to this email. If you need to contact the office, please use the links and information below.

IMPACTS:

Very windy conditions may knock tree limbs down and cause localized power outages. Boaters and small vessels including kayakers will encounter rough seas.

SYNOPSIS:

This is expected to be an unusually strong onshore flow wind event.

Strong westerly onshore flow is already developing in the Strait of Juan De Fuca this morning. Gale force winds have already developed in the central Strait of Juan De Fuca, and will spread steadily east this afternoon. Winds will also gradually increase through this afternoon, peaking late this afternoon or this evening.

The strongest winds are expected to be over the water areas as well as Whidbey Island and around the Port Townsend area. The adjacent land areas are expected to experience slightly weaker but still significant winds. These areas include the southern San Juan Islands, the near shore areas of the Strait from Port Angeles eastward, and the Everett and vicinity area in Snohomish County.

Important factors: This is an unusually strong event for this time of year and the winds will rise seemingly suddenly.

The west to northwest wind direction of the winds is a less common occurrence, which means many of the trees affected will not be conditioned to strong west to northwest winds. The trees are in full leaf which may increase wind loading on the branches.

WATCHES/WARNINGS/ADVISORIES:

- High Wind Warning until 1 AM for the Admiralty Inlet zone, including Whidbey Island, Camano Island and the Port Townsend area of Jefferson county.
- Wind advisory until 1 AM for the San Juan Islands, focusing on the southern San Juans.
- Wind advisory until 1 AM for the Eastern Strait of Juan De Fuca, focusing on the near-shore areas along the Strait in Clallam county from about Port Angeles eastward.
- Wind Advisory for Everett and vicinity from 5 PM until 1 AM.
- Gale warnings are in effect for the Central and East Strait of Juan De Fuca, The Northern Inland waters, Admiralty Inlet, and the parts of Puget Sound north of Seattle.

FORECAST SPECIFICS:

- Admiralty Inlet land zone, including Whidbey Island and the Port Townsend area: west to northwest wind 30-40 mph with gusts to 50-60 mph. Camano Island will probably have slightly weaker winds.
- Southern San Juans and near shore areas of Clallam county from Port Angeles eastward: westerly winds 25 to 35 mph with gusts to 45 mph.
- Everett and vicinity: West to northwest wind 20-30 mph with gusts to 40 mph.
- Winds are expected to peak near the Strait between 5 PM and 8 PM. The Everett area should see peak winds between 7 PM and 10 PM.

CONFIDENCE:

Confidence is very high that windy conditions over the land areas and gale force winds over the water areas will develop. Confidence is high regarding strength of the strongest winds over the water areas.

Confidence is high on the timing of the peak winds.

Confidence is low to moderate on the strength of the winds reaching the far south and southeast parts of the affected area, i.e. southern Whidbey Island and the Everett and vicinity area.

Spotty Power Outages Throughout Puget Sound

Originally published October 18, 2017 at 8:09 pm

By Evan Bush, Seattle Times staff reporter

Utility crews were busy Wednesday night, as scattered power outages were reported in the Seattle area. As a breezy fall tempest swirled through the Puget Sound region, utilities reported spotty outages Wednesday night.

At 8 p.m., nearly 40,000 Puget Sound Energy customers were out of power, according to the utility's map that tracks where power has died.

Portions of Bainbridge Island, Bellevue and Renton were all without power.

Seattle City Light reported nearly 2,000 customers without power, the result of 38 outages spread throughout the city. A large swath of the Rainier Valley neighborhood was in the dark.

High wind, rain pummel Western Washington. More to come?

By Robert Mittendorf

Bellingham Herald

Gusty winds and driving rain pummeled Whatcom County with the first strong storm of the rainy season Wednesday, but it did little serious damage.

After a calm early morning, winds began increasing about 9 a.m. as recorded at Bellingham International Airport. Sustained winds were 15 mph with gusts to 25 mph at 8:53 a.m. By 11:53 a.m., winds were blowing at a constant 28 mph with the highest gust at 46 mph.

Highest gust of the day measured at the airport at 2:01 p.m. was 53 mph.

A flood watch for the Nooksack River at Ferndale was added to high wind and gale warnings Wednesday in advance of the storm, which was heading toward Western Washington from the southwest.

It was blasting across the Olympic Range with fierce winds and heavy rain, but the mountains stole some of its bluster, said meteorologist Ni Cushmeer at the National Weather Service in Seattle. Cushmeer said the worst of the storm hit Bellingham at midday, with another nasty punch due in early evening.

"You'll probably see another burst of stronger wind from the south and that'll be it. It'll drop off pretty quickly," she said.

Wednesday's storm had been expected to be much stronger than Tuesday's morning bluster, which dumped a half-inch of rain and caused scattered brief power outages around Whatcom County but also did little serious damage.

By 2 p.m. about 1,400 homes and businesses were without electricity, including most of Lummi Island, according to Puget Sound Energy's online outage map. Most outages were blamed on "trees/vegetation."