

## **2018 Qualifying Events Report**

December 14, 2018 Event

Filed on March 13, 2019



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## Event Description

### Event Date and Time

Start: 12/14/2018, 16:00

End: 12/17/2018, 02:00

### Event Type

Wind, Snow

### Service Areas Significantly Affected

All of PSEs electric service areas were impacted by this event.

### Number of Customers Affected

System wide, approximately 150,260 customers were without power during the course of this event.

### Summary of System Impacts

Total Number of Outages for the Event	390
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Transmission Lines Affected	19
Impacted Substations	9

### Mobilization Summary

#### Operating Bases Placed In Emergency Status

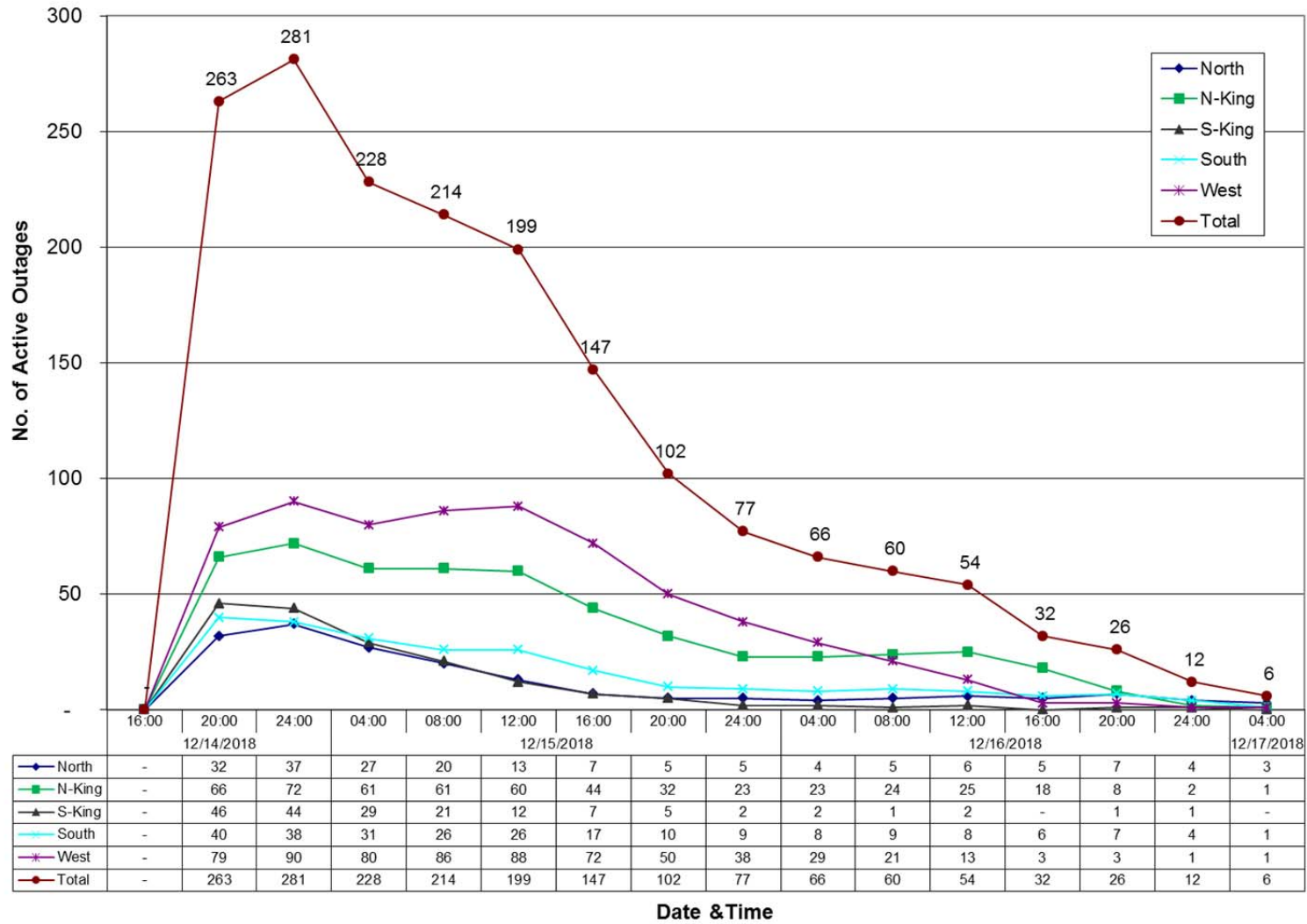
Base	Date Opened	Time Opened	Date Closed	Time Closed
Whatcom/Skagit/Island	12/14/2018	22:00	12/15/2018	18:00
North King	12/14/2018	21:30	12/16/2018	18:00
South King	12/14/2018	23:00	12/15/2018	15:00
Pierce	12/14/2018	19:00	12/15/2018	05:00
Thurston	12/14/2018	19:00	12/15/2018	22:00
Kitsap	12/14/2018	19:00	12/16/2018	14:00
Vashon Island	12/14/2018	19:00	12/16/2018	14:00
Kittitas	12/14/2018	19:30	12/16/2018	01:00

#### Emergency Coordination Center (ECC)

	Date Opened	Time Opened	Date Closed	Time Closed
ECC	12/14/2018	19:30	12/16/2018	01:00

### Active Outage Event Chart

No. of Active Outages - Dec. 14, 2018, 16:00 to Dec. 17, 2018, 04:00



## IEEE<sup>1</sup> Major Event Day – Qualification

### IEEE Standard 1366

IEEE Standard 1366 was established to present a set of terms and definitions which can be used to foster uniformity in the development of 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 IEEE 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 SAIDI<sup>2</sup> 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 2018: 6.73 Minutes**

### Qualified Events - 2018

#### Current Event – Calculation Detail

Event Date, Time Range	Total Customer Minutes	Average Customer Count	Event SAIDI (Customer Minutes /Customer Count)
12/14/2018, 16:00 – 12/17/2018, 02:00	51,116,267	1,154,443	44.28

#### Daily SAIDI Detail YTD

#### First Day that Daily SAIDI Exceeded PSE's TMED of 6.73 Minutes by Qualifying Event

Date	Daily SAIDI (from midnight to midnight)	Total O&M <sup>3</sup> Costs
12/14/2018	42.10	\$3,327,780

<sup>1</sup> IEEE: Institute of Electrical and Electronics Engineers

<sup>2</sup> SAIDI: System Average Interruption Duration Index

<sup>3</sup> O&M: Operations and Maintenance

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**Event Restoration – YTD Cost Summary**
**2018 Restoration Costs Detail by Qualifying Event**

Event Date	Qualified Events Deferred Account	Capital Costs	O&M Costs Not Deferrable	O&M Costs Deferrable Accumulation	Total O&M Costs	Total Costs
1/27/2018	\$0	\$50,088 (r)	\$	\$447,877 (r)	\$447,877 (r)	\$497,967 (r)
2/17/2018	\$0	\$719,655 (r)	\$0	\$4,856,289 (r)	\$5,575,954 (r)	\$5, 575,954 (r)
12/14/2018	\$0	\$243,597	\$0	\$3,327,780	\$3,327,780	\$3,571,378

**2018 YTD Storm Restoration Costs Detail**

Qualifying Events Deferred Account	Capital Costs	O&M Costs - Not Deferrable	O&M Costs - Deferrable Accumulation	Total O&M Costs	Total Costs
\$0	\$ 1,013,351	\$0	\$ 8,631,946	\$ 8,631,946	\$ 9,645,297

**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							
December 14, 2018- Restoration Costs							
	Qualifying Events Deferred Account	Capital	O&M - Not Deferrable	O&M - Deferrable Accumulation	Total O&M	Total	
Labor							
ST	\$ -	\$ 103	\$ -	\$ 11,497	\$ 11,497	\$ 11,600	
OT	\$ -	\$ 152	\$ -	\$ 585,290	\$ 585,290	\$ 585,442	
Total Labor	\$ -	\$ 255	\$ -	\$ 596,787	\$ 596,787	\$ 597,042	
Labor OH	\$ -	\$ 48,675	\$ -	\$ -	\$ -	\$ 48,675	
Materials	\$ -	\$ 62,834	\$ -	\$ 121,381	\$ 121,381	\$ 184,215	
Contractors	\$ -	\$ 131,484	\$ -	\$ 2,241,281	\$ 2,241,281	\$ 2,372,766	
Other Direct Charges	\$ -	\$ -	\$ -	\$ 26,048	\$ 26,048	\$ 26,048	
Fleet	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other Assessments	\$ -	\$ 349	\$ -	\$ 342,284	\$ 342,284	\$ 342,633	
Deferred Expenses		\$ -	\$ -	\$ -	\$ -	\$ -	
	\$ -	\$ 243,597	\$ -	\$ 3,327,780	\$ 3,327,780	\$ 3,571,378	



**Detailed List of Outages – 12/14/2018, First T<sub>MED</sub>-Exceeding Day**

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00480641-1	12/14/2018	0:23:40	ANA-16	EAC	SO	OFU	5	366
P00480642-1	12/14/2018	1:13:34	ROC-26	ECC	EF	OTR	1	319
P00480647-1	12/14/2018	2:11:30	HAM-13	EAC	TV	OCO	245	83,900
P00480646-1	12/14/2018	2:16:10	PMA-12	ECE	TV	OCO	100	21,896
P00480651-1	12/14/2018	2:37:27	WLK-15	ECA	TV	OFU	12	4,205
P00480652-1	12/14/2018	2:45:19	VWY-15	EAA	TV	OCO	27	7,437
P00480657-1	12/14/2018	7:00:27	BRS-24	EAC	TV	OCO	19	6,599
P00480658-1	12/14/2018	7:06:59	CLE-14	EBH	EF	OCN	1	194
P00480660-1	12/14/2018	7:45:36	SIL-15	ECE	TV	OTF	1	71
P00472306-1	12/14/2018	8:30:50	LLT-13	EBD	SO	OCO	2	275
P00472278-1	12/14/2018	8:33:43	MAX-11	EAD	SO	UTC	16	125
P00480670-1	12/14/2018	8:46:56	PRI-13	ECC	TV	OSV	4	225
P00475435-1	12/14/2018	9:01:27	FRA-15	ECD	SO	OFU	2	34
P00480674-1	12/14/2018	9:10:13	SLA-16	EAA	TV	OCO	238	37,690
P00480678-1	12/14/2018	9:16:36	CUM-15	EBI	TV	OSV	1	239
P00475435-1	12/14/2018	9:19:04	FRA-15	ECD	SO	OFU	3	51
P00478977-1	12/14/2018	9:36:50	SKE-26	ECE	SO	UTC	17	3,455
P00480686-1	12/14/2018	9:46:11	MSI-25	EBF	TV	OFU	2	96
P00475435-1	12/14/2018	10:01:39	FRA-15	ECD	SO	OFU	1	35
P00480131-1	12/14/2018	10:03:27	ETN-15	EBH	SO	UPC	6	1,287
P00480693-1	12/14/2018	10:20:20	VAS-13	EBL	SO	UEL	68	1,933
P00480691-1	12/14/2018	10:21:32	OSC-23	EBI	SO	UTC	61	18,800
P00480694-1	12/14/2018	10:24:12	FAL-13	EBF	TV	OCO	-	22,212
P00480709-1	12/14/2018	10:29:06	CAR-16	EAA	EF	UPC	114	51,118
P00480655-1	12/14/2018	11:14:08	BRS-13	EAC	SO	UTC	6	623
P00475435-1	12/14/2018	11:25:34	FRA-15	ECD	SO	OFU	18	1,180
P00480727-1	12/14/2018	12:06:38	ROS-17	EBD	EF	USV	1	145
P00480738-1	12/14/2018	12:55:48	ROC-15	ECC	BA	OTF	82	6,854
P00480694-2	12/14/2018	13:29:18	FAL-13	EBF	TV	OCO	120	33,040
P00480743-1	12/14/2018	13:29:27	SWA-13	EAD	EF	OSV	1	192
P00480745-1	12/14/2018	13:35:17	WLK-15	ECA	OD	OCO	22	7,948
P00480751-1	12/14/2018	13:50:44	BKB-12	EAC	EF	OCO	10	453
P00480755-1	12/14/2018	14:08:17	ROC-26	ECC	EF	OTF	6	743
P00480756-1	12/14/2018	14:21:52	WLS-16	EAC	EF	OTF	3	376
P00480761-1	12/14/2018	14:29:00	VAS-22	EBL	OE	SCB	1,006	31,236
P00480816-1	12/14/2018	14:29:00	VAS-23	EBL	OE	SCB	1,810	56,865
P00472278-1	12/14/2018	15:38:38	MAX-11	EAD	SO	UTC	16	325
P00480832-1	12/14/2018	15:47:31	CAR-16	EAA	UN	PTF	9	4,984
P00480835-1	12/14/2018	15:56:08	LON-23	ECC	TV	OCO	462	45,430

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00480846-1	12/14/2018	16:07:37	ORT-26	ECA	OD	OCO	7	3,029
P00483148-1	12/14/2018	16:22:06	VAS-13	EBL	TV	OCO	106	122,733
P00480850-1	12/14/2018	16:23:25	BEL-15	EBJ	OD	OCO	1,192	179,694
P00482862-1	12/14/2018	16:27:14	VAS-13	EBL	TV	OCO	-	18,184
P00480854-1	12/14/2018	16:29:41	OSC-22	EBI	LI	OCO	646	268,693
P00481187-1	12/14/2018	16:30:36	BUC-16	ECA	TV	OCO	17	8,627
P00480867-1	12/14/2018	16:33:46	HAW-11	ECC	TV	OFU	281	195,918
P00480879-1	12/14/2018	16:40:42	AIR-26	ECC	TV	OCO	428	39,704
P00480888-1	12/14/2018	16:45:34	BAS-13	EBJ	TV	OCO	1,994	980,832
P00480891-1	12/14/2018	16:46:03	ELD-25	ECC	UN	OCO	96	36,294
P00480894-1	12/14/2018	16:46:10	SHD-18	EBI	TV	OCR	17	13,039
P00480902-1	12/14/2018	16:47:12	HOL-12	ECA	OD	OSV	7	1,271
P00480915-1	12/14/2018	16:50:16	ELD-27	ECC	TV	OCO	16	7,254
P00480917-1	12/14/2018	16:51:49	PRI-23	ECC	TV	OCO	600	263,930
P00480958-1	12/14/2018	16:58:16	WOL-25	ECC	TV	OCO	1,457	1,079,810
P00480939-1	12/14/2018	17:00:06	ROC-15	ECC	TV	OCO	2	5,916
P00481081-1	12/14/2018	17:01:08	SPG-13	ECC	TV	OCO	260	111,552
P00480945-1	12/14/2018	17:01:30	SPG-14	ECC	TV	OFU	64	20,846
P00482892-1	12/14/2018	17:04:05	PAT-15	ECC	TV	OCO	4	6,462
P00480993-1	12/14/2018	17:06:00	TLN-0127	ECA	UN	OCO	5,334	75,652
P00480960-1	12/14/2018	17:07:03	SWD-13	ECE	EF	OTR	1	1,771
P00483356-1	12/14/2018	17:07:33	TAN-16	ECC	TV	OFU	16	17,435
P00480963-1	12/14/2018	17:07:50	BUC-16	ECA	TV	OCO	120	49,134
P00480973-1	12/14/2018	17:09:23	LAC-13	ECC	TV	OCO	65	27,431
P00480980-1	12/14/2018	17:09:45	PLG-13	ECC	TV	OCO	3	3,931
P00480990-1	12/14/2018	17:10:21	PLG-13	ECC	TV	OCO	36	24,941
P00480997-1	12/14/2018	17:11:03	VAS-23	EBL	TV	OCO	20	5,056
P00481006-1	12/14/2018	17:11:44	TLN-0147	ECC	TV	OCO	4,294	2,110,296
P00481071-1	12/14/2018	17:13:16	CAP-13	ECC	TV	OCO	6,163	1,022,557
P00481093-1	12/14/2018	17:15:56	MCA-15	ECC	TV	OCO	171	99,711
P00481115-1	12/14/2018	17:17:26	MCA-16	ECC	TV	OCO	1,865	427,085
P00481119-1	12/14/2018	17:18:45	MKI-17	ECC	TV	OTF	3	4,176
P00481121-1	12/14/2018	17:18:48	BLA-12	EAA	TV	OFU	13	3,455
P00481126-1	12/14/2018	17:19:53	PMA-12	ECE	TV	OCO	110	53,381
P00481129-1	12/14/2018	17:20:04	OSC-23	EBI	TV	OCO	2	798
P00481147-1	12/14/2018	17:22:12	PLU-25	ECC	TV	OCO	1,234	436,239
P00481142-1	12/14/2018	17:22:19	NUG-26	EAA	TV	OCO	34	14,597
P00481174-1	12/14/2018	17:24:26	HAN-12	EAA	TV	OCO	105	73,558
P00481160-1	12/14/2018	17:25:18	FRA-12	ECD	TV	OCO	14	29,753
P00481172-1	12/14/2018	17:26:39	VAS-13	EBL	TV	OPO	10	19,757
P00481182-1	12/14/2018	17:28:28	MOT-14	ECC	TV	OCO	974	137,058
P00481185-1	12/14/2018	17:30:21	FRA-13	ECD	TV	OCO	60	34,118

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00481194-1	12/14/2018	17:34:13	KEN-13	EAA	TV	OCO	33	22,246
P00481196-1	12/14/2018	17:34:54	KAP-15	ECA	EF	OTF	1	385
P00481197-1	12/14/2018	17:34:56	LOL-21	ECD	TV	OCO	49	29,249
P00482602-1	12/14/2018	17:35:14	KEN-12	EAA	EF	UOT	465	99,830
P00481199-1	12/14/2018	17:35:19	LAC-13	ECC	TV	OCN	1	1,292
P00481200-1	12/14/2018	17:35:25	SHE-26	ECE	TV	OCO	357	394,848
P00481204-1	12/14/2018	17:35:44	TRA-26	ECE	TV	OCO	1	1,636
P00481206-1	12/14/2018	17:35:58	MAN-13	ECD	EF	OFC	30	38,439
P00481214-1	12/14/2018	17:37:01	HOL-13	ECA	TV	OTF	2	1,010
P00481222-1	12/14/2018	17:37:49	PGA-12	ECE	TV	OCO	182	95,477
P00481243-1	12/14/2018	17:38:19	EPO-12	ECD	TV	OCO	944	255,947
P00481225-1	12/14/2018	17:38:20	NLM-13	EAC	TV	OCO	26	24,863
P00481227-1	12/14/2018	17:38:32	TRA-22	ECE	TV	OCO	465	109,483
P00481229-1	12/14/2018	17:38:46	BHL-13	ECE	TV	OCO	319	220,471
P00481247-1	12/14/2018	17:40:00	SKE-26	ECE	TV	OCO	-	187,680
P00481257-1	12/14/2018	17:41:16	HOB-17	EBI	TV	OCO	53	26,451
P00481258-1	12/14/2018	17:41:22	KEN-12	EAA	TV	OCO	12	10,553
P00481276-1	12/14/2018	17:43:22	KEN-12	EAA	TV	OCO	18	4,144
P00481713-1	12/14/2018	17:44:00	TLN-0271	ECD	TV	OCO	4,325	148,131
P00481288-1	12/14/2018	17:44:47	FRA-12	ECD	TV	OFU	858	1,116,213
P00481289-1	12/14/2018	17:44:49	KEN-12	EAA	TV	UTC	465	51,835
P00481299-1	12/14/2018	17:45:22	KEN-12	EAA	EF	OTF	3	750
P00481330-1	12/14/2018	17:45:35	CHI-12	ECD	TV	OCO	2,564	468,212
P00481333-1	12/14/2018	17:45:45	TRA-26	ECE	TV	OPO	2,875	949,798
P00481317-1	12/14/2018	17:46:05	MUR-13	ECE	TV	OJU	24	25,601
P00481378-1	12/14/2018	17:47:15	RPT-22	ECD	EF	OCO	1,499	946,627
P00481412-1	12/14/2018	17:49:23	FNW-13	ECD	TV	OCO	5	11,521
P00483224-1	12/14/2018	17:49:24	RPT-22	ECD	TV	OCO	-	26,193
P00481425-1	12/14/2018	17:49:41	MIL-22	ECE	TV	OCO	22	23,051
P00481428-1	12/14/2018	17:49:46	RPT-15	ECD	TV	OCO	6	14,018
P00481448-1	12/14/2018	17:50:27	FWD-17	EBJ	TV	OCO	5	3,941
P00481449-1	12/14/2018	17:50:28	MIL-23	ECE	TV	OCO	66	78,406
P00481851-1	12/14/2018	17:52:34	MIL-22	ECE	TV	OCO	16	17,291
P00481490-1	12/14/2018	17:53:03	FRA-15	ECD	TV	OCO	1,986	425,566
P00481492-1	12/14/2018	17:54:56	FRA-13	ECD	TV	OSV	1	1,717
P00481527-1	12/14/2018	17:56:20	WOB-25	EAA	TV	OFU	76	1,295
P00481644-1	12/14/2018	17:56:23	SWD-14	ECE	TV	OCO	1,596	306,086
P00481551-1	12/14/2018	17:56:44	MWD-16	EBE	TV	OCO	30	20,289
P00481502-1	12/14/2018	17:56:58	MIL-23	ECE	TV	OCO	32	39,919
P00481554-1	12/14/2018	17:57:12	LAT-17	EBJ	UN	OCO	502	73,459
P00481596-1	12/14/2018	17:58:31	FRA-16	ECD	TV	OCR	513	685,163
P00481604-1	12/14/2018	17:58:31	GBK-13	EAD	TV	OCO	133	63,163

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00481612-1	12/14/2018	17:59:18	ASB-13	EBJ	TV	OSV	1	962
P00481610-1	12/14/2018	17:59:54	VAS-13	EBL	TV	OCO	1,101	165,315
P00481625-1	12/14/2018	18:00:28	LAC-17	ECC	EF	OCO	6	7,371
P00481630-1	12/14/2018	18:00:42	SIL-13	ECE	TV	OCO	11	6,870
P00481674-1	12/14/2018	18:00:59	LOL-25	ECD	TV	OCO	2,246	322,937
P00481653-1	12/14/2018	18:01:50	MCA-13	ECC	TV	OCO	6	5,463
P00481650-1	12/14/2018	18:01:58	WOB-27	EAA	TV	OFU	77	859
P00482868-1	12/14/2018	18:02:27	MIL-22	ECE	TV	OCO	3	4,825
P00481691-1	12/14/2018	18:02:49	PMA-15	ECE	TV	OCO	1,391	411,084
P00472278-1	12/14/2018	18:02:52	MAX-11	EAD	SO	UTC	4	15,162
P00483175-1	12/14/2018	18:03:44	PGA-12	ECE	TV	OCO	28	40,340
P00481695-1	12/14/2018	18:04:43	KCR-17	EBJ	TV	OSV	2	1,854
P00483070-1	12/14/2018	18:04:44	NUG-26	EAA	TV	OTF	2	775
P00483587-1	12/14/2018	18:05:09	WIN-15	ECE	TV	OCN	4	8,676
P00481700-1	12/14/2018	18:05:34	VAS-12	EBL	TV	OCO	189	76,715
P00482972-1	12/14/2018	18:05:40	VAS-13	EBL	TV	OCO	22	32,655
P00482458-1	12/14/2018	18:06:00	TLN-0257	EBD	TV	OCO	-	88,596
P00481703-1	12/14/2018	18:06:09	MER-15	EBE	AC	OSV	1	531
P00481705-1	12/14/2018	18:06:18	EDG-16	ECA	TV	OCO	887	383,102
P00481707-1	12/14/2018	18:06:34	PMA-13	ECE	TV	OHR	339	278,952
P00481708-1	12/14/2018	18:06:38	EDG-12	ECA	EF	OSW	633	402,894
P00482470-1	12/14/2018	18:07:06	SAH-17	EBD	TV	OCO	749	400,341
P00481730-1	12/14/2018	18:07:44	SMR-26	ECA	TV	OCO	592	51,356
P00481734-1	12/14/2018	18:08:10	MUR-15	ECE	TV	OCO	2	4,863
P00481735-1	12/14/2018	18:08:31	CLY-25	EBE	TV	OFC	7	19,355
P00481739-1	12/14/2018	18:09:03	HOL-13	ECA	TV	OTF	5	2,562
P00481741-1	12/14/2018	18:09:15	FRA-13	ECD	TV	OCO	6	5,149
P00481744-1	12/14/2018	18:09:35	FNW-17	ECD	TV	OCO	8	8,660
P00481833-1	12/14/2018	18:09:46	SIN-25	ECD	TV	OCO	19	15,316
P00481732-1	12/14/2018	18:10:25	JUA-25	EBD	TV	OCO	2,510	232,594
P00481747-1	12/14/2018	18:10:47	WIN-13	ECE	TV	OCO	16	24,195
P00481748-1	12/14/2018	18:11:04	NNO-15	EBJ	CE	OCO	53	15,851
P00482286-1	12/14/2018	18:11:21	SHA-15	ECA	TV	OCO	143	58,840
P00482687-1	12/14/2018	18:11:22	CWD-24	EBD	TV	OCO	301	150,996
P00481978-1	12/14/2018	18:12:31	VAS-23	EBL	TV	OCO	11	19,050
P00481757-1	12/14/2018	18:12:57	VAS-22	EBL	TV	OCO	166	85,243
P00481767-1	12/14/2018	18:14:37	WIN-15	ECE	TV	OCO	21	28,205
P00483010-1	12/14/2018	18:14:45	MVW-16	EBJ	TV	OCO	2	1,370
P00481769-1	12/14/2018	18:14:55	KIN-22	ECE	TV	OCO	1	1,345
P00481785-1	12/14/2018	18:16:50	LWS-13	EBJ	TV	OCO	899	293,616
P00481791-1	12/14/2018	18:17:05	ROL-17	EBJ	TV	OCR	1,518	963,440
P00481780-1	12/14/2018	18:17:20	EDG-13	ECA	EF	OTF	3	1,349

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00481783-1	12/14/2018	18:17:45	LMD-12	EBJ	OD	OCO	261	172,891
P00483123-1	12/14/2018	18:17:46	MUR-15	ECE	TV	OCO	6	6,766
P00483128-1	12/14/2018	18:17:49	UHL-23	EBD	TV	OTF	4	4,609
P00481809-1	12/14/2018	18:18:46	PIN-26	EBD	TV	OPO	3,311	1,054,362
P00481793-1	12/14/2018	18:18:54	MUR-13	ECE	TV	OCO	32	52,754
P00482985-1	12/14/2018	18:19:09	VAS-22	EBL	TV	OCO	45	26,395
P00481818-1	12/14/2018	18:19:21	CLY-27	EBE	TV	OCO	719	113,111
P00481807-1	12/14/2018	18:19:34	EPO-13	ECD	TV	OCO	54	73,837
P00481806-1	12/14/2018	18:19:38	WAY-16	EBD	TV	OCO	411	400,430
P00481811-1	12/14/2018	18:19:54	MIL-23	ECE	TV	OCO	3	3,969
P00482535-1	12/14/2018	18:20:00	TLN-0257	EBD	TV	OCO	-	61,392
P00481814-1	12/14/2018	18:20:01	ROL-15	EBJ	OD	OCO	7	9,620
P00481815-1	12/14/2018	18:20:05	LEA-15	EBJ	TV	OTF	3	2,352
P00482465-1	12/14/2018	18:20:22	SAH-13	EBD	TV	OCO	1,649	891,313
P00481820-1	12/14/2018	18:20:23	PEA-16	EBJ	TV	OCR	25	17,322
P00482082-1	12/14/2018	18:21:41	BEL-16	EBJ	OD	OCO	450	171,511
P00481838-1	12/14/2018	18:21:46	WOB-26	EAA	TV	OCO	1,404	17,386
P00482539-1	12/14/2018	18:21:49	PLA-21	EBD	TV	OJU	885	387,011
P00481840-1	12/14/2018	18:21:51	SHD-18	EBI	TV	OCO	1,014	543,568
P00481915-1	12/14/2018	18:22:52	SME-15	EBE	TV	OCO	27	8,864
P00481846-1	12/14/2018	18:22:52	LON-25	ECC	TV	OTF	2	2,452
P00481857-1	12/14/2018	18:24:25	HAN-16	EAA	TV	OCO	91	9,563
P00482466-1	12/14/2018	18:24:29	SAH-15	EBD	TV	OCO	1,374	764,676
P00481860-1	12/14/2018	18:24:40	WOO-27	ECA	TV	OCO	3	921
P00482908-1	12/14/2018	18:24:57	FWD-17	EBJ	TV	OCO	133	62,931
P00481865-1	12/14/2018	18:25:16	MAN-16	ECD	TV	OCO	28	54,314
P00481875-1	12/14/2018	18:26:01	MER-12	EBE	TV	OCO	247	136,313
P00481880-1	12/14/2018	18:26:12	VAS-12	EBL	TV	OCO	9	12,708
P00482159-1	12/14/2018	18:26:12	GLC-11	EBJ	TV	OCO	54	47,393
P00481889-1	12/14/2018	18:27:00	WOO-27	ECA	TV	OTF	3	605
P00481890-1	12/14/2018	18:27:04	AIR-22	ECC	TV	OCO	1	732
P00482469-1	12/14/2018	18:27:55	SAH-16	EBD	TV	OCO	1,765	1,063,266
P00481898-1	12/14/2018	18:28:20	ING-15	EBD	TV	OCO	5	5,593
P00481899-1	12/14/2018	18:28:22	HOU-27	EBD	TV	OCO	22	27,966
P00481900-1	12/14/2018	18:28:32	HAZ-12	EBE	TV	OCO	-	352
P00481902-1	12/14/2018	18:28:45	HOB-17	EBI	TV	OCO	69	27,147
P00481905-1	12/14/2018	18:29:00	FRA-16	ECD	TV	OCO	416	446,423
P00481904-1	12/14/2018	18:29:00	OVE-12	EBE	TV	OCO	10	11,969
P00481906-1	12/14/2018	18:29:05	BDI-13	EBI	TV	OCO	23	15,349
P00482123-1	12/14/2018	18:29:08	NBO-22	EBD	TV	OCO	76	8,002
P00481911-1	12/14/2018	18:29:22	CUM-13	EBI	TV	OCO	23	9,423
P00482811-1	12/14/2018	18:29:55	HOB-16	EBI	TV	OCO	363	100,861

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00481917-1	12/14/2018	18:29:55	HOB-16	EBI	TV	OCO	20	33,847
P00481934-1	12/14/2018	18:29:57	LYO-12	EBJ	TV	OCR	1,378	429,583
P00482541-1	12/14/2018	18:30:24	PLA-24	EBD	EF	OCO	2,371	972,425
P00482540-1	12/14/2018	18:30:38	PLA-22	EBD	EF	OCO	1,536	716,954
P00481931-1	12/14/2018	18:30:39	MIR-17	EBF	TV	OHR	174	139,171
P00483612-1	12/14/2018	18:31:00	KWH-23	EBE	TV	OCO	124	144,460
P00481937-1	12/14/2018	18:31:01	WIN-15	ECE	TV	OCO	58	58,233
P00482542-1	12/14/2018	18:31:12	PLA-23	EBD	TV	OCO	1,678	872,505
P00481941-1	12/14/2018	18:31:21	HAZ-12	EBE	TV	OCO	-	241
P00481949-1	12/14/2018	18:31:41	HAZ-12	EBE	TV	OCO	-	187
P00481953-1	12/14/2018	18:31:51	GLC-11	EBJ	TV	OSV	1	553
P00481961-1	12/14/2018	18:32:03	LEA-16	EBJ	TV	OFC	8	9,955
P00481970-1	12/14/2018	18:32:26	HOB-15	EBI	TV	OCO	31	5,633
P00481971-1	12/14/2018	18:32:27	WIN-12	ECE	TV	OCO	14	16,250
P00481972-1	12/14/2018	18:32:31	KNM-27	EBD	TV	OTF	5	6,804
P00482515-1	12/14/2018	18:33:01	FAL-13	EBF	TV	OCO	171	404,588
P00482006-1	12/14/2018	18:33:13	MED-33	EBE	TV	OCO	5	6,089
P00482005-1	12/14/2018	18:33:14	HAZ-12	EBE	TV	OCO	-	2,132
P00482061-1	12/14/2018	18:33:22	GOO-01	EBF	TV	SCS	-	451,104
P00482067-1	12/14/2018	18:33:22	SKI-13	EBD	TV	OCO	1,708	559,683
P00482068-1	12/14/2018	18:33:22	LWS-15	EBJ	TV	OCO	502	142,810
P00482083-1	12/14/2018	18:34:50	NNO-12	EBJ	TV	OPO	4	6,382
P00482092-1	12/14/2018	18:35:01	FCR-12	EBI	TV	OCO	8	3,267
P00482101-1	12/14/2018	18:35:09	CWD-23	EBD	TV	OSV	1	1,212
P00482120-1	12/14/2018	18:35:46	HWD-25	EBD	TV	OCO	91	155,838
P00482121-1	12/14/2018	18:35:57	CUM-13	EBI	TV	OCO	4	1,608
P00482751-1	12/14/2018	18:36:29	DUV-13	EBD	TV	OCO	21	56,624
P00482450-1	12/14/2018	18:36:59	ING-15	EBD	TV	OCO	38	39,036
P00482137-1	12/14/2018	18:36:59	GLC-15	EBJ	TV	OCO	9	5,151
P00482143-1	12/14/2018	18:37:11	LEA-16	EBJ	TV	OSV	1	941
P00483192-1	12/14/2018	18:37:34	FNW-17	ECD	TV	OCO	18	9,541
P00482153-1	12/14/2018	18:37:57	LYO-15	EBJ	UN	OCO	5	8,592
P00482152-1	12/14/2018	18:37:57	SNQ-17	EBF	TV	OFU	160	9,320
P00482156-1	12/14/2018	18:38:05	SME-15	EBE	TV	OFU	11	4,195
P00482161-1	12/14/2018	18:38:14	NBO-25	EBD	TV	OCO	2	5,556
P00482184-1	12/14/2018	18:38:53	UHL-25	EBD	TV	OCO	489	112,935
P00482168-1	12/14/2018	18:38:58	MIR-15	EBF	TV	OCO	217	191,745
P00482199-1	12/14/2018	18:39:23	LGY-16	EAD	TV	OCO	-	306,487
P00482178-1	12/14/2018	18:39:45	PLY-15	EAA	TV	OCO	18	15,112
P00482190-1	12/14/2018	18:39:48	HAZ-12	EBE	TV	OCO	2,690	384,821
P00482180-1	12/14/2018	18:39:52	HKX-16	EAC	TV	OIN	74	40,155
P00482207-1	12/14/2018	18:40:28	EGT-16	EBE	TV	OCO	180	35,559

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00482212-1	12/14/2018	18:42:21	MIR-15	EBF	TV	OTF	1	1,207
P00482225-1	12/14/2018	18:42:28	VIT-23	EBD	TV	OCO	2,009	763,185
P00482217-1	12/14/2018	18:42:46	FAL-16	EBF	TV	OIN	82	100,471
P00482221-1	12/14/2018	18:43:19	NRU-25	EBE	TV	OCO	4	7,414
P00482238-1	12/14/2018	18:43:23	NHL-15	EBD	TV	OCO	3,410	825,732
P00482232-1	12/14/2018	18:44:34	WAY-13	EBD	TV	OCO	19	19,027
P00482245-1	12/14/2018	18:46:13	COT-13	EBD	TV	OCO	125	213,546
P00482250-1	12/14/2018	18:47:12	LMD-16	EBJ	TV	OCO	106	48,048
P00482254-1	12/14/2018	18:48:02	TOL-17	EBD	TV	OCO	103	140,935
P00482259-1	12/14/2018	18:49:04	MHT-15	EBJ	TV	OTF	7	5,585
P00482262-1	12/14/2018	18:49:14	HOB-16	EBI	TV	OCO	46	22,449
P00482264-1	12/14/2018	18:49:15	RAI-12	ECC	TV	OCO	193	294,541
P00482266-1	12/14/2018	18:49:30	GRV-12	ECA	TV	OSV	1	384
P00483388-1	12/14/2018	18:49:43	FNW-17	ECD	TV	OCO	30	50,456
P00482274-1	12/14/2018	18:50:47	FRA-13	ECD	TV	OCO	49	15,110
P00482277-1	12/14/2018	18:51:43	GBK-15	EAD	TV	OCO	7	7,073
P00482282-1	12/14/2018	18:52:00	WIN-15	ECE	TV	OCO	10	2,534
P00482278-1	12/14/2018	18:52:17	MAP-16	EBE	TV	OHR	109	62,077
P00482280-1	12/14/2018	18:52:31	RPT-17	ECD	TV	OCO	1,466	610,233
P00482283-1	12/14/2018	18:52:55	OVE-15	EBE	TV	OCO	44	38,876
P00482293-1	12/14/2018	18:54:42	HKX-16	EAC	TV	OCO	5	4,471
P00482295-1	12/14/2018	18:55:09	FCR-12	EBI	TV	OCO	15	4,858
P00483129-1	12/14/2018	18:56:38	UHL-23	EBD	TV	OCR	14	9,006
P00482307-1	12/14/2018	18:57:16	WAY-13	EBD	TV	OCO	1	1,403
P00482309-1	12/14/2018	18:57:36	PIK-23	EBF	TV	OFU	38	36,201
P00482317-1	12/14/2018	18:59:20	FNW-15	ECD	TV	UTC	16	33,117
P00482325-1	12/14/2018	18:59:59	WOB-23	EAA	TV	OCO	28	16,778
P00482327-1	12/14/2018	19:00:05	ROS-21	EBD	TV	OCO	64	62,545
P00482329-1	12/14/2018	19:00:51	MAX-13	EAD	UN	OFU	4	1,858
P00482330-1	12/14/2018	19:01:02	PMA-13	ECE	TV	OCO	2	1,074
P00482337-1	12/14/2018	19:01:49	SOO-27	EBI	OD	OSV	1	750
P00482356-1	12/14/2018	19:02:00	TLN-0184	EAD	TV	OCO	3,115	270,540
P00482344-1	12/14/2018	19:02:26	AVO-13	EBD	TV	OCO	3,659	914,688
P00481107-1	12/14/2018	19:03:47	VAS-13	EBL	TV	OCO	8	17,998
P00482346-1	12/14/2018	19:04:02	TOL-15	EBD	TV	OCO	167	245,428
P00482358-1	12/14/2018	19:06:36	SNQ-16	EBF	TV	OFU	15	1,208
P00482363-1	12/14/2018	19:07:22	LYO-15	EBJ	UN	OCO	15	6,290
P00482372-1	12/14/2018	19:08:34	SIL-16	ECE	TV	OCO	2	1,836
P00482373-1	12/14/2018	19:08:35	WLS-15	EAC	OD	OFU	11	1,647
P00482374-1	12/14/2018	19:09:04	FRA-13	ECD	UN	OCO	105	167,591
P00482402-1	12/14/2018	19:14:29	ALG-15	EAC	TV	OCO	4	4,506
P00482452-1	12/14/2018	19:14:40	EPO-16	ECD	TV	OCO	438	416,261

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P00482417-1	12/14/2018	19:15:00	HKX-13	EAC	TV	OCR	196	47,177
P00482407-1	12/14/2018	19:15:30	EGT-11	EBE	TV	OCO	156	413,312
P00483730-1	12/14/2018	19:16:57	EPO-15	ECD	TV	OCO	135	360,792
P00482414-1	12/14/2018	19:17:06	LMC-27	EBE	TV	OTR	5	7,430
P00482505-1	12/14/2018	19:18:40	MAN-12	ECD	TV	OCO	99	153,653
P00482427-1	12/14/2018	19:19:18	NUG-25	EAA	TV	OCO	543	55,124
P00482425-1	12/14/2018	19:20:42	FAL-13	EBF	TV	OCO	19	48,956
P00482468-1	12/14/2018	19:20:55	KNM-23	EBD	TV	OCO	49	55,310
P00482644-1	12/14/2018	19:20:59	HKX-13	EAC	AV	OCO	-	3,818
P00482431-1	12/14/2018	19:21:02	MED-35	EBE	TV	OCO	-	1,665
P00482433-1	12/14/2018	19:21:06	BLA-13	EAA	TV	OCO	25	10,863
P00483910-1	12/14/2018	19:23:51	CHI-13	ECD	TV	OCO	17	25,734
P00482448-1	12/14/2018	19:26:27	DES-12	EBJ	TV	OSV	3	2,395
P00482449-1	12/14/2018	19:26:32	HKX-13	EAC	TV	OCO	39	20,088
P00482478-1	12/14/2018	19:29:14	KEN-12	EAA	TV	OCO	69	10,893
P00482560-1	12/14/2018	19:31:14	FNW-16	ECD	TV	OCO	7	8,637
P00483130-1	12/14/2018	19:31:36	UHL-23	EBD	TV	OTF	1	609
P00482462-1	12/14/2018	19:32:59	NBE-16	EBF	TV	OCO	5	10,233
P00482464-1	12/14/2018	19:34:02	VAS-12	EBL	TV	OCO	19	38,063
P00482705-1	12/14/2018	19:36:32	DUV-15	EBD	TV	OSW	929	637,349
P00482481-1	12/14/2018	19:37:53	ORC-16	EBJ	EF	OTF	4	2,046
P00482484-1	12/14/2018	19:39:09	KNM-23	EBD	TV	OTF	6	8,638
P00482476-1	12/14/2018	19:39:26	KEN-12	EAA	UN	OCO	49	4,746
P00482485-1	12/14/2018	19:42:01	WLS-13	EAC	TV	OFU	5	1,047
P00482494-1	12/14/2018	19:45:36	SLA-16	EAA	TV	OCO	17	23,152
P00482497-1	12/14/2018	19:46:44	FCR-14	EBI	TV	OCO	132	24,517
P00482498-1	12/14/2018	19:47:04	FNW-17	ECD	TV	OCO	23	46,263
P00482500-1	12/14/2018	19:47:21	EDG-16	ECA	OD	OTF	2	5,893
P00482520-1	12/14/2018	19:56:56	SME-15	EBE	TV	OFU	64	7,340
P00482525-1	12/14/2018	19:57:27	LUH-14	ECC	TV	OTR	1	420
P00482555-1	12/14/2018	20:00:49	MCW-15	ECE	TV	OCO	563	173,517
P00482760-1	12/14/2018	20:01:48	WOB-26	EAA	EF	OJU	153	69,737
P00482566-1	12/14/2018	20:01:55	KEN-12	EAA	TV	OCO	70	28,417
P00482554-1	12/14/2018	20:02:06	SHE-15	ECE	TV	OSV	2	2,444
P00482573-1	12/14/2018	20:05:40	AVO-17	EBD	TV	OCO	2	4,474
P00483091-1	12/14/2018	20:06:00	WOB-26	EAA	EF	OFU	52	26,151
P00482574-1	12/14/2018	20:07:42	PMA-13	ECE	TV	OCO	3	3,222
P00482406-1	12/14/2018	20:11:12	PRE-14	EBE	TV	OCO	9	713
P00483046-1	12/14/2018	20:13:35	KEN-12	EAA	EF	OFC	465	162,043
P00482749-1	12/14/2018	20:14:00	TLN-0050	EAD	TV	OCO	4,301	938,190
P00482589-1	12/14/2018	20:16:31	BRS-13	EAC	TV	OCO	15	79,679
P00482973-1	12/14/2018	20:16:56	VAS-12	EBL	TV	OCO	38	63,949



NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00482599-1	12/14/2018	20:18:05	TRA-26	ECE	TV	OCO	183	183,769
P00482614-1	12/14/2018	20:20:05	MLK-15	EBE	TV	OCO	3,246	455,310
P00482856-1	12/14/2018	20:20:28	HOB-15	EBI	TV	OPO	18	18,500
P00482658-1	12/14/2018	20:31:06	GOO-13	EBF	TV	OCO	-	24,822
P00482655-1	12/14/2018	20:31:28	TOL-15	EBD	TV	OFU	2	1,993
P00482646-1	12/14/2018	20:33:08	TRA-26	ECE	TV	OCO	69	37,922
P00482671-1	12/14/2018	20:35:28	SKY-25	EBD	TV	OCO	7	18,539
P00482675-1	12/14/2018	20:36:17	GOO-13	EBF	TV	OCO	1,751	295,569
P00482672-1	12/14/2018	20:36:22	ALG-15	EAA	TV	OTR	4	4,389
P00482678-1	12/14/2018	20:38:15	GOO-15	EBF	TV	OCO	-	9,805
P00482683-1	12/14/2018	20:38:59	CPV-12	EAD	TV	OFU	58	27,753
P00482684-1	12/14/2018	20:39:18	GOO-16	EBF	TV	OCO	-	161,494
P00482690-1	12/14/2018	20:40:11	GOO-17	EBF	TV	OCO	1,074	1,035,139
P00482592-1	12/14/2018	20:40:28	FRA-12	ECD	TV	OCO	-	1,279
P00482692-1	12/14/2018	20:41:24	GOO-21	EBF	TV	OCO	-	87,827
P00482700-1	12/14/2018	20:43:43	DUV-13	EBD	TV	OCO	24	28,319
P00482765-1	12/14/2018	20:55:19	CHI-12	ECD	TV	OCO	398	26,188
P00481818-1	12/14/2018	20:57:00	CLY-27	EBE	TV	OCO	719	8,928
P00482780-1	12/14/2018	21:05:02	EPO-15	ECD	TV	OCO	4	1,387
P00482795-1	12/14/2018	21:14:39	WLS-13	EAC	TV	OFU	1	90
P00482801-1	12/14/2018	21:18:43	MCA-16	ECC	EF	UPC	63	50,906
P00482617-1	12/14/2018	21:20:16	PET-16	EAC	EF	OPO	29	90,397
P00482842-1	12/14/2018	21:21:00	TLN-0012	EBD	UN	OCO	-	3,176
P00483607-1	12/14/2018	21:23:31	KNM-23	EBD	TV	OCO	4	3,288
P00482813-1	12/14/2018	21:24:01	LLT-16	EBD	TV	OCO	8	7,694
P00482854-1	12/14/2018	21:24:12	SKY-25	EBD	TV	OCO	421	1,091,927
P00482818-1	12/14/2018	21:24:29	HAZ-12	EBE	TV	OCO	81	103,285
P00482828-1	12/14/2018	21:26:10	SCH-13	EAA	TV	OCO	42	23,539
P00482853-1	12/14/2018	21:26:45	SKY-23	EBD	TV	OCO	318	824,246
P00482852-1	12/14/2018	21:33:15	CHI-15	ECD	TV	OFC	5	10,898
P00482867-1	12/14/2018	21:36:31	CAP-13	ECC	TV	OCO	19	14,977
P00482879-1	12/14/2018	21:41:54	BCH-13	EAA	TV	OCO	7	4,587
P00482920-1	12/14/2018	21:55:00	TLN-0191	ECE	TV	SCB	3,352	970,155
P00482939-1	12/14/2018	22:01:47	MUR-17	ECE	TV	OCO	28	28,840
P00482943-1	12/14/2018	22:04:04	HKX-13	EAC	TV	OPO	1	4,647
P00482942-1	12/14/2018	22:04:10	FRA-13	ECD	TV	OCN	4	9,679
P00482947-1	12/14/2018	22:06:56	LGY-16	EAD	TV	OFU	6	1,739
P00482949-1	12/14/2018	22:09:20	PRE-13	EBE	TV	OCO	55	152,897
P00482950-1	12/14/2018	22:09:38	LGY-16	EAD	EF	OFC	2	701
P00482952-1	12/14/2018	22:11:47	JUA-25	EBD	TV	OCO	5	15,448
P00482953-1	12/14/2018	22:12:52	LGY-16	EAD	TV	OTF	3	868
P00481629-1	12/14/2018	22:13:06	NUG-26	EAA	TV	OFU	49	2,467

NUMBER	DATE	TIME	CKT	MPG	CAZ	EQT	CUST.OUT	CUST.MIN
P00482963-1	12/14/2018	22:21:56	ALG-12	EAC	CP	OPO	326	108,397
P00483867-1	12/14/2018	22:31:22	MCW-17	ECE	TV	OCO	8	18,725
P00483359-1	12/14/2018	22:43:15	VAS-13	EBL	TV	OCO	21	17,801
P00483006-1	12/14/2018	22:54:42	LTA-17	ECA	TV	OTR	1	448
P00483014-1	12/14/2018	23:00:01	PMA-15	ECE	TV	OCO	20	15,201
P00483019-1	12/14/2018	23:06:14	PEA-14	EBJ	SO	UPT	17	1,872
P00483023-1	12/14/2018	23:08:00	CAP-13	ECC	TV	OFC	4	2,894
P00483040-1	12/14/2018	23:25:34	MUR-13	ECE	TV	OCO	12	7,321
P00483270-1	12/14/2018	23:26:37	LGY-16	EAD	EF	OTR	6	5,919
P00483042-1	12/14/2018	23:27:12	LWS-15	EBJ	TV	OPO	128	116,118
P00483047-1	12/14/2018	23:32:18	BDI-13	EBI	TV	OCO	26	3,725
P00483062-1	12/14/2018	23:50:41	CAP-13	ECC	TV	OCO	16	6,761
P00483063-1	12/14/2018	23:51:41	PMA-15	ECE	TV	OCO	13	14,280
P00483086-1	12/14/2018	23:52:17	HLC-23	EAD	TV	OCO	101	46,995
P00483065-1	12/14/2018	23:52:40	LOL-21	ECD	TV	OCO	3	3,893

### Terms, Codes and Definitions Used on Detail Reports

<b>Notification (NUMBER)</b>	A number assigned by SAP, identifying the outage record	
<b>Date (DATE)</b>	The date of the outage	
<b>Time (TIME)</b>	The time of the outage	
<b>Circuit (CKT)</b>	The circuit identifier for the affected circuit	
<b>Area (MPG)</b>	<b>Maintenance Planner Group</b> 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	
<b>Cause (CAZ)</b>	<b>Cause of Outage</b>	
	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	
<b>Equipment (EQT)</b>	<b>Affected by, or involved in the outage</b>	
	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	
<b>CUST OUT (CUST.OUT)</b>	<b>Customer Out</b> , The number of customers without power for any given outage record	
<b>CUST MIN (CUST. MIN)</b>	<b>Customer Minutes</b> , The total number of minutes customers were without power for any given record	

## Media & Communication Coverage



**National Weather Service - Seattle**

**Issued:** 3:33 PM PT Thursday, December 13th, 2018

**Next Update:** Tomorrow by 7 AM

### CHANGES SINCE PREVIOUS BRIEFING

- The threat of strong, potentially damaging winds Friday has increased along the coast.
- Strong winds remain possible for other areas in Western Washington, however there continues to be a good deal of uncertainty regarding the strength and location of these winds.
- There is increasing confidence that a string of very wet systems will affect the area through the middle of next week.

### FORECAST DETAILS

A Weather system approaching the area Friday morning and moving through Western Washington late Friday afternoon into Friday evening will result in high winds - southerly 30 to 40 mph with gusts to 60 mph along the coast beginning Friday morning and continuing into the afternoon hours. Strong winds are also possible through the interior, particularly through the areas north of Everett to the Canadian border. There remains more uncertainty regarding the potential for strong damaging winds over the interior south of Everett. After a break on Saturday a series of increasingly wet systems will move through the area Sunday through Thursday of next week. There is the potential that the very wet system in the middle of next week could result in more widespread flooding issues.

#### **100k without power as high winds batter Western Washington, Oregon**

Associated Press, SeattlePI staff Updated 7:38 pm PST, Friday, December 14, 2018

High winds toppled trees and power lines, causing thousands to lose power and roads to be closed across Washington and Oregon. The National Weather Service issued high wind warnings Friday for Oregon and Washington's Pacific Coast and Washington's northern interior with wind advisories for areas inland.

As of Friday evening, more than 109,000

customers had lost power in Western Washington.

High-speed passenger ferry sailings were cancelled as winds kicked up.