



e-FILING REPORT COVER SHEET

Send completed Cover Sheet and the Report in an email addressed to:  
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REPORT NAME: Major Event Report

COMPANY NAME: Pacific Power

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes

If yes, please submit only the cover letter electronically. Submit confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

If known, please select designation: RE (Electric) RG (Gas) RW (Water) RO (Other)

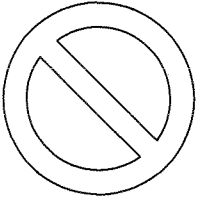
Report is required by: OAR OAR 860-023-0161  
Statute  
Order  
Other

Is this report associated with a specific docket/case? No Yes

If yes, enter docket number: RE 107

List applicable Key Words for this report to facilitate electronic search:  
Major Event Report

**DO NOT electronically file with the PUC Filing Center:**



- Annual Fee Statement form and payment remittance or
- OUS or RSPF Surcharge form or surcharge remittance or
- Any other Telecommunications Reporting or
- Any daily safety or safety incident reports or
- Accident reports required by ORS 654.715

**Please file the above reports according to their individual instructions.**

January 26, 2016

*VIA ELECTRONIC FILING*

Public Utility Commission of Oregon  
201 High Street SE, Suite 100  
Salem, OR 97301-1166

Attn: Filing Center

RE: PacifiCorp Major Event Report

In compliance with OAR 860-023-0161, PacifiCorp d/b/a Pacific Power (PacifiCorp or Company) submits the enclosed report describing a major event that occurred December 13 – 15, 2015, in the Company's Northeast Oregon reliability reporting region.

The Company requests to exclude the outage information for this event from both its network performance reporting and customer guarantee failure payments.

If you require further information regarding this report, please contact Heide Caswell, Director, Engineering and Environmental, at (503) 813-6216.

Sincerely,



R. Bryce Dalley  
Vice President, Regulation

Enclosure

cc: Lori Koho/Administrator, Safety, Reliability, and Security Division

**Report to the Oregon Public Utility Commission**  
**Electric Service Reliability - Major Event Report**

Event Date: December 13 – 15, 2015

Date Submitted: January 26, 2016

Primary Affected Locations: Northeast Oregon (Milton/Freewater & Enterprise)

Primary Cause: Loss of Feed from Supplier (Weather)

Exclude from Reporting Status: Yes

Report Prepared by: April Brewer

Report Approved by: Heide Caswell / Dave O’Neill / Kevin Putnam

**Event Description**

On December 13, 2015, a winter storm brought severe wind, rain, and snow to Pacific Powers’ northeast reliability region. During the event the region sustained two significant outages. The first was a pole fire on the Umapine feeder, in the Milton/Freewater area (which is sometimes considered Walla Walla-Oregon), affecting 542 customers with restorations lasting 3 hours 13 minutes for 219 customers and 8 hours for 323 customers. The second, and most significant event, was a loss of supply from Idaho Power. This outage affected 223 customers fed from the Palette substation in Enterprise. Due to hazardous weather conditions and difficult terrain these customers were out of power for 2 days 5 hours.

<b>Event Outage Summary</b>	
<b># Interruptions (sustained)</b>	4
<b>Total Customer Interrupted (sustained)</b>	768
<b>Total Customer Minutes Lost</b>	909,075
<b>State Event SAIDI Impact</b>	1.5 Minutes
<b>CAIDI</b>	1184
<b>Major Event Start</b>	12/13/15 4:29 am
<b>Major Event End</b>	12/15/15 4:03 pm

## Restoration Summary

At 10:52 am on December 13, 2015, customers fed from the Palette substation experienced an interruption due to a loss of feed from Idaho Power. Idaho Power was quickly notified of the outage. At approximately 5:38 pm Pacific Power was notified that a breaker had locked open, and due to difficult terrain and weather conditions they would not be able to patrol the line until the next morning. The following data, at approximately 2:00 pm, Pacific Power was notified that Idaho Power would be obtaining a helicopter to patrol the lines. Upon completion of the air patrol, Idaho Power had determined the outage was due to a broken insulator. Repairs would begin the following day during the daylight hours. At 4:02 pm on December 15, work was completed and all customers were restored.

There were no company or commission customer complaints made regarding the major event.

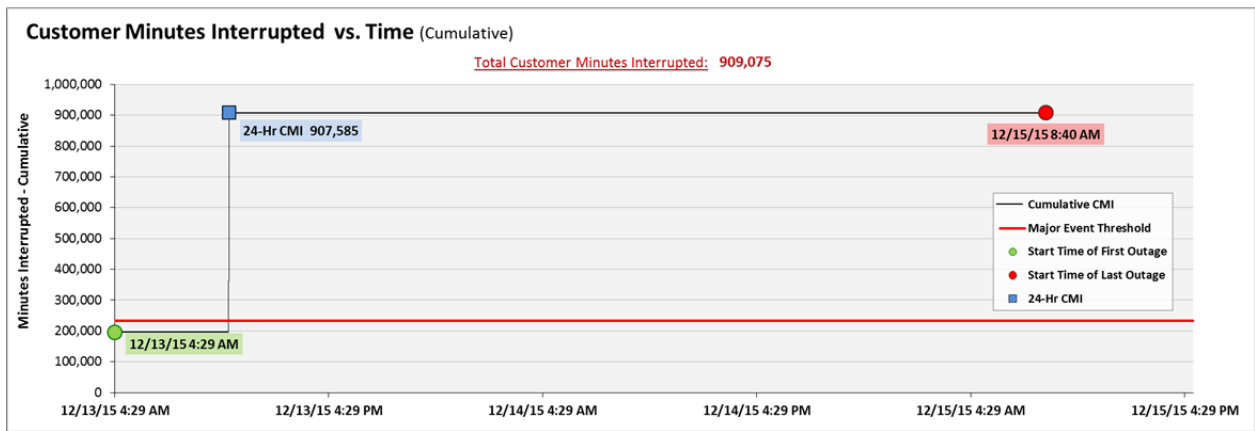
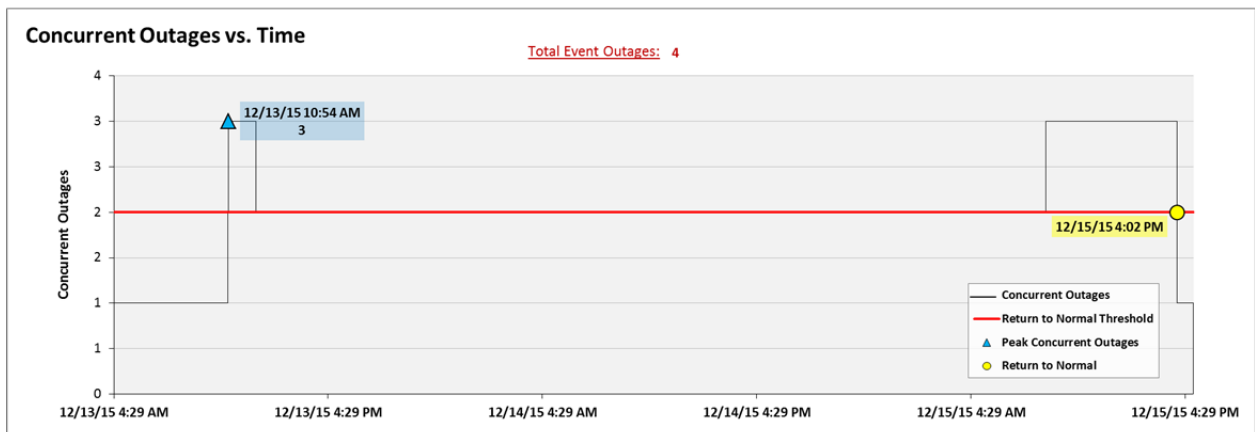
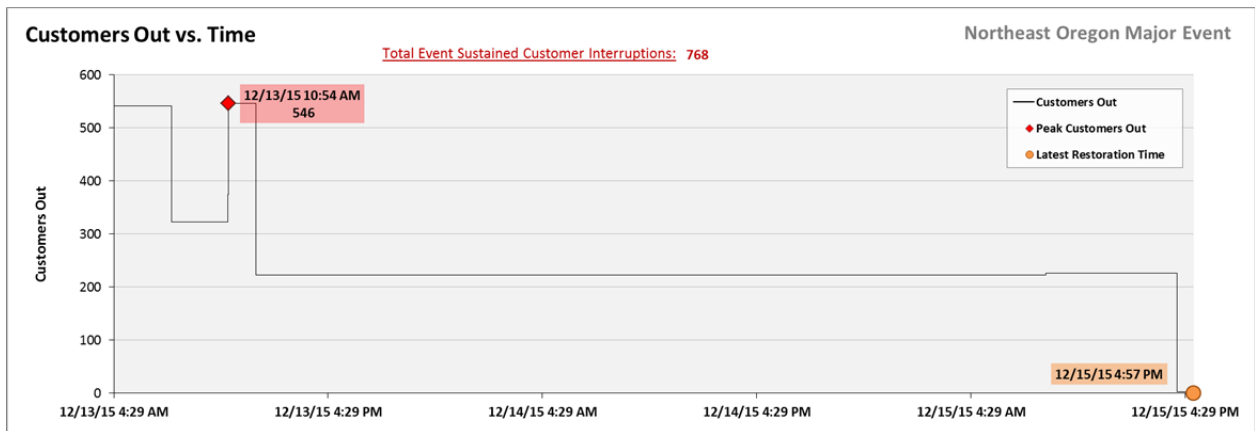
## Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24-48 Hrs.	48+ Hrs.
768	0	545	0	223

## Major Event Declaration

PacifiCorp designates these events and the consequences thereof a major event in accordance with OAR 860-023-0161. This is a major event because it exceeded the design or operating limits of the system, and the Major Event Threshold for the reliability reporting region as calculated annually by the company according to IEEE 1366-2003 methodology (commonly referred to as the 2.5 beta method). This company's 2015 Northeast Oregon reliability reporting region threshold is 232,269 customer minutes lost (9.35 Northeast Oregon SAIDI minutes) in a 24-hour period.

# Event Details



## SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.

## PacifiCorp Major Event Report

### Customer Analysis

Oregon		Customer Analysis 12/13/2015 through 12/15/2015					Customers Restored by Intervals								Major Event Only - metric by operating area customer counts		
<b>PacifiCorp Major Events Report Customer Analysis*</b>		Sustained Customers Off	% Sustained Customers Off	CML	Number of Sustained Interruptions	Customer Count	< 5 min	5 min - 3 hrs	3 hrs - 24 hrs	24 hrs - 48 hrs	48 hrs - 72 hrs	72 hrs - 96 hrs	96 + hrs	% Sustained Customers Restored in 3 Hours PS4	SAIDI	SAIFI	CAIDI
PC	PACIFICORP	768	0%	909,076	4	1,887,237	-	-	545	-	223	-	-	0%	0.48	0.0004	1,184
PP	Pacific Power	768	0%	909,076	4	793,118	-	-	545	-	223	-	-	0%	1.15	0.0010	1,184
OR	Oregon	768	0%	909,076	4	607,450	-	-	545	-	223	-	-	0%	1.50	0.0013	1,184
OR	ENTERPRISE	223	4%	711,054	2	5,412	-	-	-	-	223	-	-	0%	131.38	0.0410	3,189
OR	HERMISTON	3	0%	1,491	1	4,859	-	-	3	-	-	-	-	0%	0.31	0.0010	497
OR	MILTON/FREEWATER	542	531%	196,531	1	102	-	-	542	-	-	-	-	0%	1,926.78	5.3140	363

\*Only current event specific metric impact shown. Does not include values from other events which may have occurred in other regions during the same time period.

		Customer Interrupted by Date 12/13/2015 through 12/15/2015					Customers Restored by Intervals								Major Event Only - metric by state customer counts		
Date*		Sustained Customers Off	% Sustained Customers Off	CML	Number of Sustained Interruptions	Average Customer Count	< 5 min	5 min - 3 hrs	3 hrs - 24 hrs	24 hrs - 48 hrs	48 hrs - 72 hrs	72 hrs - 96 hrs	96 + hrs	% Sustained Customers Restored in 3 Hours PS4	SAIDI	SAIFI	CAIDI
12/13/2015		765	0%	907,585	3	607,450	-	-	542	-	223	-	-	0%	1.49	0.001	1,186
12/15/2015		3	0%	1,491	1	607,450	-	-	3	-	-	-	-	0%	0.002	0.000005	497

Data as of
1/14/2016

**PacifiCorp Major Event Report**  
SSC by State Analysis

	Oregon	Event 12/13/15 through 12/15/15						Month 12/01/15 through 12/31/15						YTD FY2016 01/01/15 through 12/31/15					
		Major Events Included			Major Event Excluded			Major Events Included			Major Events Excluded*			Major Events Included			Major Events Excluded*		
		SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI
	<b>PacifiCorp Major Events Report SSC by State</b>																		
PC	PACIFICORP	25.12	0.058	430	0.93	0.009	108	45.81	0.185	248	14.77	0.113	131	226.72	1.418	160	145.41	1.151	126
PP	Pacific Power	50.72	0.081	626	1.73	0.017	100	84.02	0.248	338	18.75	0.132	142	262.15	1.415	185	125.39	1.005	125
OR	Oregon	64.29	0.086	752	0.39	0.004	100	98.34	0.245	401	15.40	0.104	148	265.47	1.348	197	119.72	0.943	127
OR	ENTERPRISE	1.17	0.000	3,189	-	-	-	1.27	0.001	1,320	0.10	0.001	162	4.46	0.021	212	0.57	0.006	98
OR	HERMISTON	0.00	0.000	497	-	-	-	0.00	0.000	342	0.00	0.000	187	3.41	0.017	195	1.01	0.007	141
OR	MILTON/FREEWATER	0.32	0.001	363	-	-	-	0.36	0.001	378	0.04	0.000	564	0.54	0.002	269	0.21	0.001	193
OR	PENDLETON	-	-	-	-	-	-	0.19	0.001	145	0.19	0.001	145	2.50	0.018	141	2.20	0.017	128
OR	WALLA WALLA	-	-	-	-	-	-	0.06	0.000	404	0.06	0.000	404	0.92	0.011	82	0.92	0.011	82

\*includes other regional major event exclusions during the same period.

Data as/of
<b>1/14/2016</b>