



e-FILING REPORT COVER SHEET

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REPORT NAME: Major Event Report

COMPANY NAME: Pacific Power

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? [X]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: [X]RE (Electric) []RG (Gas) []RW (Water) []RO (Other)

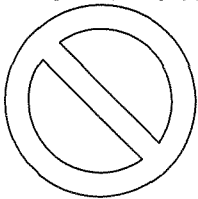
Report is required by: []OAR OAR 860-023-0161
[]Statute
[]Order
[]Other

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

If yes, enter docket number: RE 107

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

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- 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.



825 NE Multnomah, Suite 2000
Portland, Oregon 97232

February 23, 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 January 16-17, 2016, in the Company's Coast Plus 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,

A handwritten signature in black ink that reads "R. Bryce Dalley" with a stylized flourish at the end.

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:	January 16 - 17, 2016
Date Submitted:	February 23, 2016
Primary Affected Locations:	Coast Plus, Oregon (Coos Bay)
Primary Cause:	Weather
Exclude from Reporting Status:	Yes
Report Prepared by:	April Brewer
Report Approved by:	Heide Caswell/Larry Young/Kevin Putnam

Event Description

On the morning of January 16, 2016, high winds and rain began impacting the entire Coos Bay operating area. Windblown vegetation and tree contact of power lines caused numerous outages throughout the area. The impact included both distribution circuits and also affected several transmission lines. These transmission-based events resulted in several loss of supply outages, which accounted for 70 percent of all customer minutes lost and 80 percent of all customer outages. One particular loss of supply outage, which occurred at approximately 9:30 am on January 16, affected transmission feed to three substations, resulting in an outage to 10,940 customers. At 9:49 am on January 16, the number of customers without power peaked at 13,213; Coos Bay serves a total of just over 26,000 customers, so about half of the service area was affected at its peak by this storm. In spite of the magnitude of system damages, coupled with an extensive amount of downed line locations and difficult terrain, 43 percent of outages were restored within three hours.

Event Outage Summary	
# Interruptions (sustained)	38
Total Customer Interrupted (sustained)	13,507
Total Customer Minutes Lost	6,724,173
State Event SAIDI Impact	11.37 Minutes
CAIDI	498
Major Event Date	1/16/2016 4:46 am 1/17/2016 11:00 pm

Restoration Summary

During the event all available employees were dispatched to assist in restoration activities. As the storm progressed and damages were assessed it became clear that additional resources would be needed. The storm continued to make its way across central and southern Oregon impacting Roseburg and Albany districts, limiting the nearby available resources for Coos Bay. Therefore, contractors were contacted and crews were pulled from more remote areas unaffected by the storm, including Medford and Portland, to assist in restoration activities. Four tree crews were also onsite, clearing lines and access roads to remote lines of vegetation and debris.

The single largest event during the storm was the loss of supply event, which occurred at 9:33 am on January 16, to the 115kV line fed from the Bonneville Power Administration. The outage affected supply to the Coquille, Empire, and Myrtle Point Substations, impacting eight distribution circuits. Personnel worked to identify alternate transmission feeds in an effort to quickly restore power to those substations without source feeds, while field crews continued patrolling lines. At 12:02 pm on January 16 power to the Empire Substation was restored, returning power to 5,175 customers. Restorations to the feeds out of Coquille and Myrtle Point were not affected as rapidly.

Many feeders were isolated in order to restore transmission lines and relevant substations. Multiple locations within the distribution circuits were impacted by trees, including a portion of primary wire that was downed at a river crossing. At 5:55 pm on January 17, the final restoration stage that was the result of the loss of supply event was restored, energizing service for eight customers.

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.
13,507	5,855	7,339	313

Restoration Resources

Personnel Resources	
General Help	4
Estimators	1
General Foremen	1
Journeyman	9
TOTAL	15

Materials	
Guy Wire	500 ft

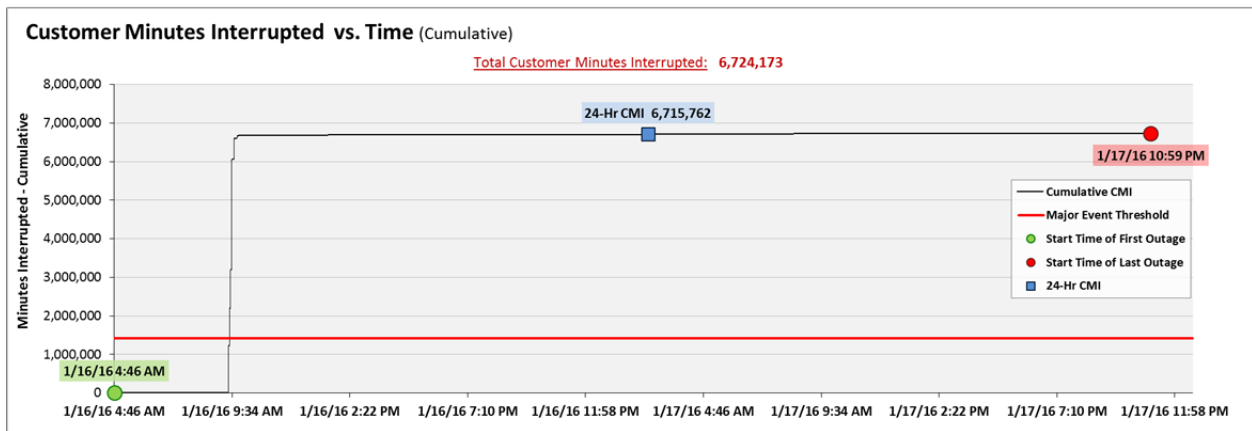
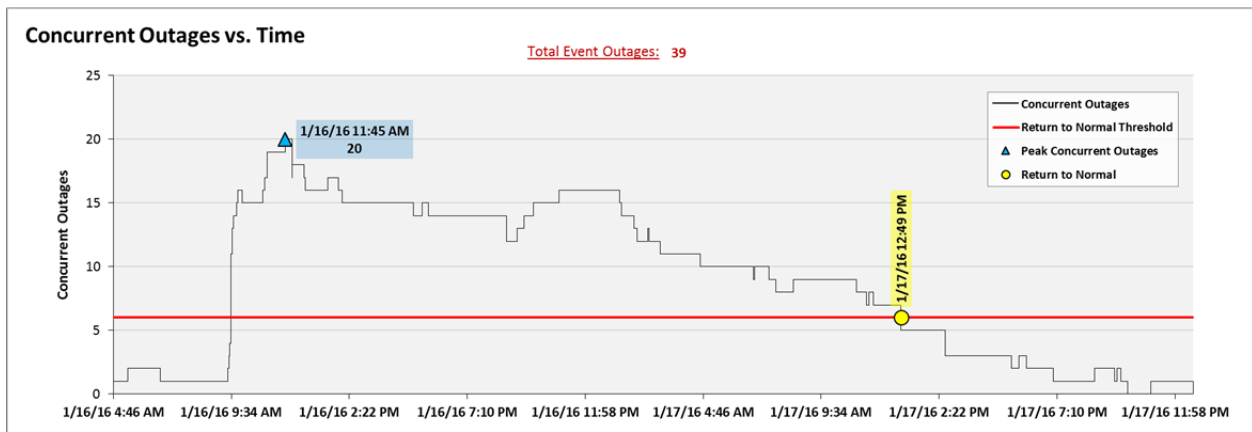
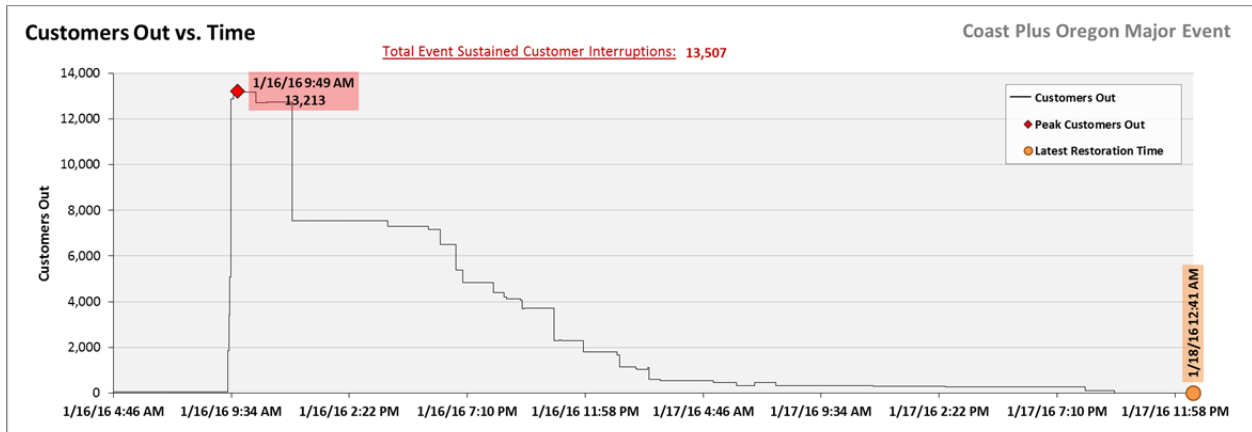
State Estimated Major Event Costs

Estimate \$	Labor	Material	Contract Resources	Total
Capital Expense	\$0	\$0	\$0	\$0
	\$169,623	\$138	\$157,372	\$327,133
Total	\$169,623	\$138	\$157,372	\$327,133

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 2016 CoastPlus reliability reporting region threshold is 1,421,626 customer minutes lost (9.4 CoastPlus SAIDI minutes) in a 24-hour period.

Event Detail



SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.

PacifiCorp Major Event Report

Customer Analysis

Oregon - Coast Plus		Customer Analysis 1/16/2016 through 1/17/2016					Customers Restored by Intervals									Major Event Only - metric by operating area customer counts		
PacifiCorp Major Events Report Customer Analysis*		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	13,507	1%	6,724,173	38	1,868,631	2,176	5,855	7,339	313	-	-	-	43%	3.60	0.007	498	
PP	Pacific Power	13,507	2%	6,724,173	38	771,210	2,176	5,855	7,339	313	-	-	-	43%	8.72	0.018	498	
OR	Oregon	13,507	2%	6,724,173	38	591,456	2,176	5,855	7,339	313	-	-	-	43%	11.37	0.007	498	
OR	CLATSOP (ASTORIA)	1	0%	92	1	24,146	-	1	-	-	-	-	-	100%	0.00	0.000	92	
OR	COOS BAY/COQUILLE	13,496	52%	6,723,337	35	26,104	2,176	5,844	7,339	313	-	-	-	43%	257.56	0.517	498	
OR	HOOD RIVER	-	0%	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	
OR	LINCOLN CITY	-	0%	-	-	-	-	-	-	-	-	-	-	0%	-	-	-	
OR	PORTLAND	10	0%	745	2	79,156	-	10	-	-	-	-	-	100%	0.01	0.000	74	

*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 1/16/2016 through 1/17/2016					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	
1/16/2016		13,261	2%	6,699,146	30	591,456	2,176	5,630	7,318	313	-	-	-	42%	11.33	0.022	505	
1/17/2016		246	0%	25,027	8	591,456	-	225	21	-	-	-	-	91%	0.04	0.000	102	

Data as of
2/8/2016

PacifiCorp Major Event Report
SSC by State Analysis

	Oregon - Coast Plus	Event 01/16/16 through 01/18/16						Month 01/01/16 through 01/31/16						YTD FY2017 01/01/16 through 01/31/16					
		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
	PacifiCorp Major Events Report SSC by State																		
PC	PACIFICORP	4.65	0.014	343	1.05	0.006	166	12.07	0.076	160	7.55	0.067	113	12.07	0.076	160	7.55	0.067	113
PP	Pacific Power	10.18	0.027	380	1.46	0.009	157	20.12	0.121	167	9.17	0.099	93	20.12	0.121	167	9.17	0.099	93
OR	Oregon	13.17	0.035	380	1.80	0.012	152	23.11	0.137	168	8.83	0.109	81	23.11	0.137	168	8.83	0.109	81
Op A	CLATSOP (ASTORIA)	0.00	0.000	82	0.00	0.000	72	0.67	0.028	24	0.65	0.028	23	0.67	0.028	24	0.65	0.028	23
Op A	COOS BAY/COQUILLE	11.72	0.026	457	0.36	0.003	127	12.62	0.034	371	1.25	0.011	112	12.62	0.034	371	1.25	0.011	112
Op A	HOOD RIVER	-	-	-	-	-	-	0.04	0.000	73	0.04	0.000	73	0.04	0.000	73	0.04	0.000	73
Op A	LINCOLN CITY	0.02	0.000	194	0.02	0.000	194	0.56	0.005	118	0.54	0.005	116	0.56	0.005	118	0.54	0.005	116
Op A	PORTLAND	0.01	0.000	300	0.01	0.000	441	3.18	0.009	368	0.32	0.003	105	3.18	0.009	368	0.32	0.003	105

*may include other regional major event exclusions durring the same period. Does not exclude major event details from weather event on 12/8-18

Data as/of
2/8/2016