

January 27, 2016

***VIA ELECTRONIC FILING
AND OVERNIGHT DELIVERY***

Steven V. King
Executive Director and Secretary
Washington Utilities and Transportation Commission
1300 S. Evergreen Park Drive S.W.
P.O. Box 47250
Olympia, WA 98504-7250

RE: Major Event Report—November 17-18, 2015


Pacific Power & Light Company (Pacific Power or Company), a division of PacifiCorp, is claiming major event exclusion for the outages that affected its Yakima and Walla Walla service area on November 17-18, 2015.

The basis for exclusion is the number of customers affected and the damage that occurred to the Company's facilities in each event. Please find attached the details regarding the major event including costs incurred, restoration resources, number of customers off supply, customer minutes lost, and SAIDI, SAIFI, and MAIFI figures.

The Company will exclude outage information for this event from its network performance reporting and from customer guarantee failure payments.

Please direct any informal inquiries regarding this filing to Ariel Son, Manager, Regulatory Projects, at (503) 813-5410.

Sincerely,


R. Bryce Dalley
Vice President, Regulation

Enclosures

Report to the Washington Utilities and Transportation Commission Electric Service Reliability - Major Event Report

Event Date:	November 17-18, 2015
Date Submitted:	January 27, 2016
Primary Affected Locations:	Yakima and Walla Walla
Primary Cause:	Wind and Rain Storm
Exclude from Reporting Status:	Yes
Report Prepared by:	April Brewer
Report Approved by:	Heide Caswell / David O'Neil / Steve Henderson / Kevin Putnam

Event Description

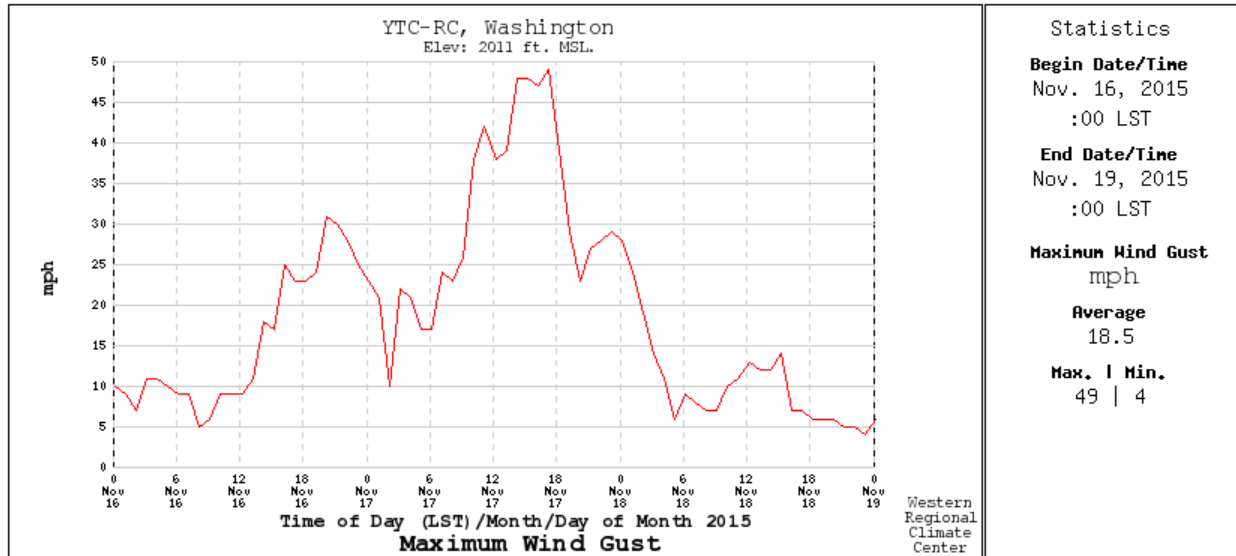
On November 17, 2015, the Yakima and Walla Walla area experienced a severe wind and rain storm. The storm brought high winds and rain to the northwest. Yakima sustained 63% of all the outages that occurred during the major event. Pole fire-related outages accounted for approximately 32% of all outages, affecting more than 2,200 customers, with a total of over 970,000 customer minutes lost.¹ Tree related outages accounted for approximately 27% of all incidents, affecting over 1,800 customers, with over 445,000 customer minutes lost.

During the storm two significant outages occurred. The most substantial outage occurred at 6:14 pm in Walla Walla when a large tree fell on a primary overhead line. The outage affected 1,611 customers, with 924 customers restored at 9:34 pm, and 687 customers restored at 10:07 pm. In Yakima, circuit 5Y607 sustained the greatest impact during the event due to a pole fire, experiencing a total of 450,349 minutes lost.

Event Outage Summary	
# Interruptions (sustained)	106
Total Customer Interrupted (sustained)	6,870
Total Customer Minutes Lost	1,839,623
State Event SAIDI Impact	13.4 Minutes
CAIDI	268
Major Event Start	11/17/15 11:13 AM
Major Event End	11/18/15 5:30 PM

¹ Pole fires occur when atmospheric conditions with light misting rain bonds with contaminants resulting in a breakdown of insulation, which leads to leakage current. If this leakage current passes through a dry wood pocket on its path to ground, it can ignite the crossarm or pole.

Wind Gust November 16-18, 2015



<http://www.raws.com>

Restoration Summary

During the storm a total of 106 sustained outages occurred, and at its peak 4,077 customers were without power. Restoration activities utilized 49 operations personnel. A total of 35 journeymen took part in the restoration efforts, replacing approximately 8,000 feet of conductor, 29 insulators, 25 cutouts, 28 crossarms, and five transformers. During the duration of the major event, 27% of customers interrupted were restored within 3 hours; no customers were off supply for more than 24 hours.

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

Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24+ Hrs.
6,870	1,873	4,997	0

Restoration Resources

Personnel Resources	
Service Coordinators	3
Mechanics	1
Metermen	2
Plant Journeymen	3
Collectors	2
Estimators	1
General Foreman	2
Journeyman	35
TOTAL	49

Materials	
Insulators	29
Pole top extender	8
Cutouts	25
Approximate Line Feet (conductor)	8,000 ft
Crossarms	28
Transformers (pole mounted)	5

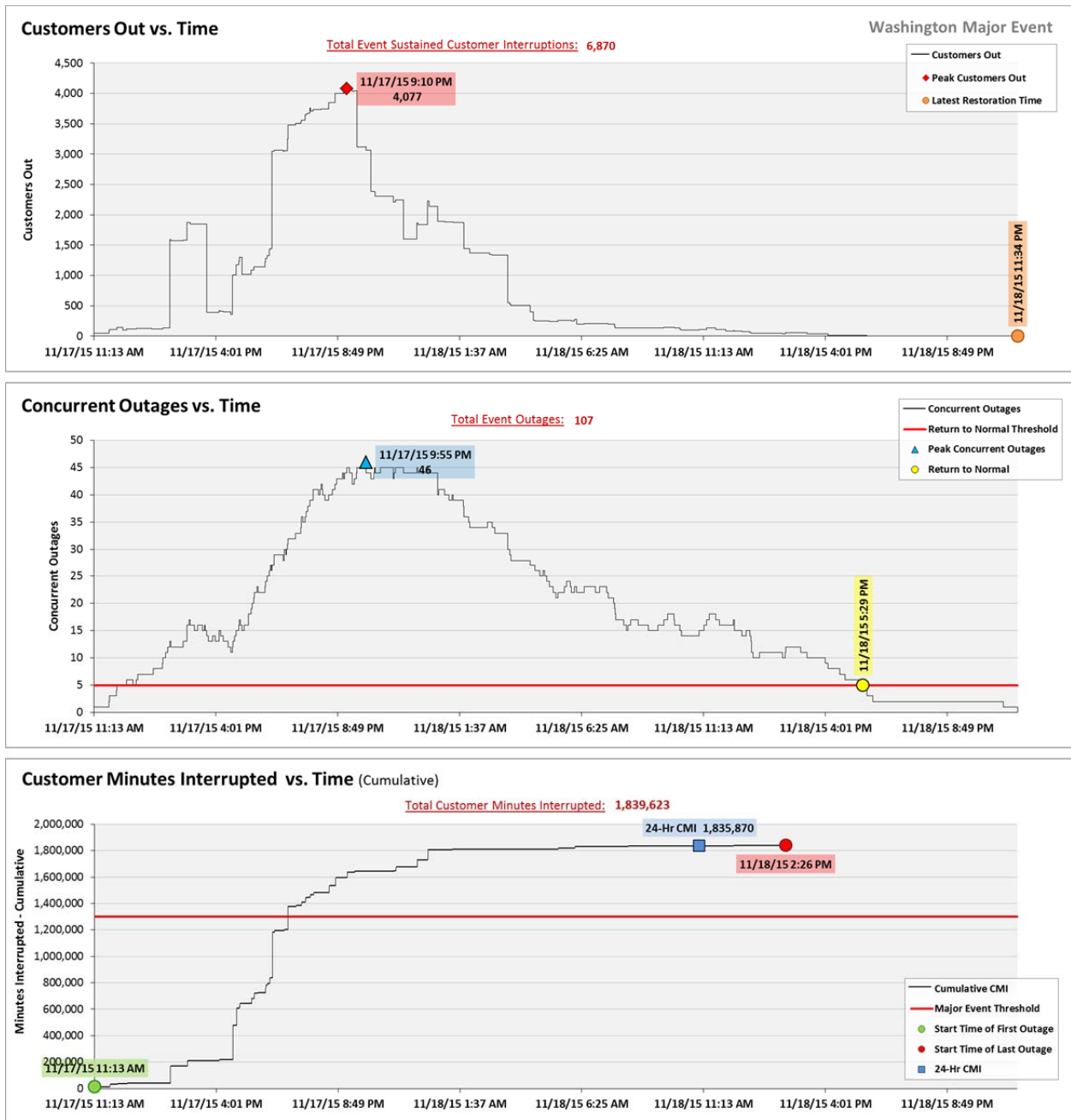
Estimated Major Event Costs

Estimate \$	Labor	Contracts	Materials	Total
Capital	\$13,000	\$25,000	\$27,000	\$65,000
Expense	\$119,000	\$123,000	\$24,000	\$266,000
Total	\$132,000	\$148,000	\$51,000	\$331,000

Major Event Declaration

Pacific Power is requesting designation of this event and its consequences to be classified as a “Major Event” for exclusion from network performance reporting with the IEEE 1366-2003/2012. This major event exceeded the company’s current Washington threshold of 1,299,474 customer minutes lost (9.46 state 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

Washington		Customer Analysis 11/17/2015 through 11/18/2015					Customers Restored by Intervals								Major Event Only - metric by operating area customer counts		
<i>PacifiCorp Major Events Report Customer Analysis*</i>		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	6,870	0%	1,839,623	106	1,887,237	75	1,980	4,890	-	-	-	-	29%	0.97	0.004	268
PP	Pacific Power	6,870	1%	1,839,623	106	793,118	75	1,980	4,890	-	-	-	-	29%	2.32	0.009	268
WA	Washington	6,870	5%	1,839,623	106	137,313	75	1,980	4,890	-	-	-	-	29%	13.40	0.004	268
WA	SUNNYSIDE	187	1%	88,336	9	25,181	-	10	177	-	-	-	-	5%	3.51	0.007	472
WA	WALLA WALLA	2,018	7%	461,311	31	28,719	-	91	1,927	-	-	-	-	5%	16.06	0.070	229
WA	YAKIMA	4,665	6%	1,289,976	66	83,410	75	1,879	2,786	-	-	-	-	40%	15.47	0.056	277

*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 11/17/2015 through 11/18/2015		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
11/17/2015	6,365	5%	1,731,625	81	137,313	-	1,935	4,430	-	-	-	-	30%	12.61	0.046	272
11/18/2015	505	0%	107,998	25	137,313	75	45	460	-	-	-	-	9%	0.79	0.004	214

Data as of
12/15/2015

PacifiCorp Major Event Report
SSC by State Analysis

	Washington	Event 11/17/15 through 11/18/15						Month 11/01/15 through 11/30/15						YTD FY2016 01/01/15 through 11/30/15					
		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
	PacifiCorp																		
	PacifiCorp																		
PC	PacifiCorp	3.73	0.029	128	1.22	0.012	100	13.61	0.100	136	10.00	0.080	124	180.92	1.234	147	130.63	1.038	126
PP	Pacific Power	7.20	0.049	146	1.22	0.009	134	16.77	0.110	152	8.18	0.064	128	178.13	1.166	153	106.64	0.873	122
WA	Washington	13.52	0.051	264	0.004	0.0001	74	35.84	0.137	261	7.25	0.053	136	128.52	1.032	125	80.05	0.647	124
WA	SUNNYSIDE	0.64	0.001	463	-	-	-	5.72	0.034	170	5.03	0.032	156	20.37	0.167	122	19.67	0.166	118
WA	WALLA WALLA	3.36	0.015	229	-	-	-	3.87	0.018	217	0.47	0.003	152	18.17	0.111	163	14.70	0.096	153
WA	YAKIMA	9.51	0.035	272	-	-	-	26.25	0.086	307	1.75	0.018	97	89.98	0.753	120	45.68	0.385	119

*may include other regional major event exclusions during the same period.

Data as/of
12/15/2015