

August 3, 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—February 15, 2016

Pacific Power & Light Company (Pacific Power or Company), a division of PacifiCorp, is claiming major event exclusion for the outages that affected its Sunnyside service area on February 15, 2016.

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:	February 15, 2016
Date Submitted:	August 3, 2016
Primary Affected Locations:	Sunnyside
Primary Cause:	Loss of Substation
Exclude from Reporting Status:	Yes
Report Prepared by:	April Brewer
Report Approved by:	Heide Caswell / Kevin Putnam / David O’Neil / Steve Henderson

Event Description

On February 2, 2016, Sunnyside, Washington, experienced a system average interruption frequency index-driven (SAIFI)-based major event when a lightning arrestor failed. The outage affected 3,800¹ customers with all customer restorations completed within 2 hours 13 minutes. Sustained interruptions were experienced by approximately 16% of the Sunnyside operating area’s customers.

Event Outage Summary	
# Interruptions (sustained)	3
Total Customer Interrupted (sustained)	3,800
Total Customer Minutes Lost	460,282
Event SAIDI	3.45 Minutes
CAIDI	121
Major Event Start	2/15/16 12:00 AM
Major Event End	2/15/16 11:59 PM

Restoration Summary

On the evening of February 15, 2016, the Toppenish substation experienced a loss of supply event when a blown “A” phase arrestor caused the station transformer to trip open. The outage de-energized feeds to three circuits affecting 3,800 customers. Dispatch quickly notified the substation operation manager, who along with a serviceman responded to the

¹ A SAIFI-based major event threshold (as identified in PacifiCorp’s reporting plan, pursuant to Washington Administrative Code (WAC) 480-100-393 & 398 Electric Reliability Annual Monitoring and Reporting Plan) is defined as an event in which more than 10% of an operating area’s customers are simultaneously without service as a result of a sustained interruption. Sunnyside operating area’s Calendar 2016 Frozen Customer Count is 24,317 customers.

incident. Upon inspection the manager discovered the failed arrestor, and notified dispatch. Dispatch began preparing a switching plan to restore feeds to customers. When the substation technician arrived he performed the restoration switching. Stage restorations were performed to avoid cold load pick-up issues. Once all customers were restored the failed transformer was isolated and replacement to the lightning arrestors was performed. Upon completion of the repairs system configuration was returned to normal.

The first restoration occurred just short of two hours, with the final circuit restored in 2 hours 13 minutes. Restoration activities utilized 5 operations personnel.

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.
3,800	3,800	0	0

Restoration Resources

Resources	
Journeyman	5

Materials	
12kV arrestors	3

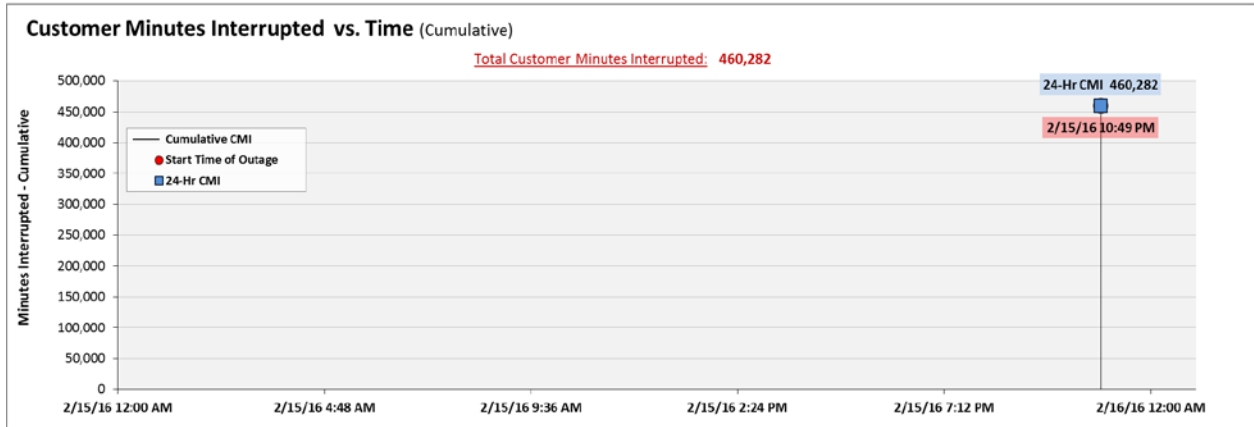
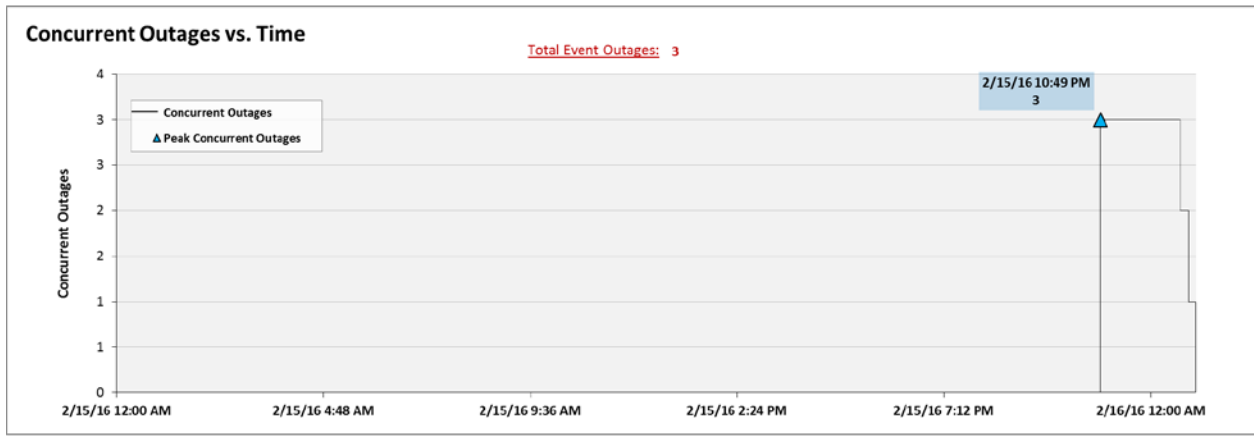
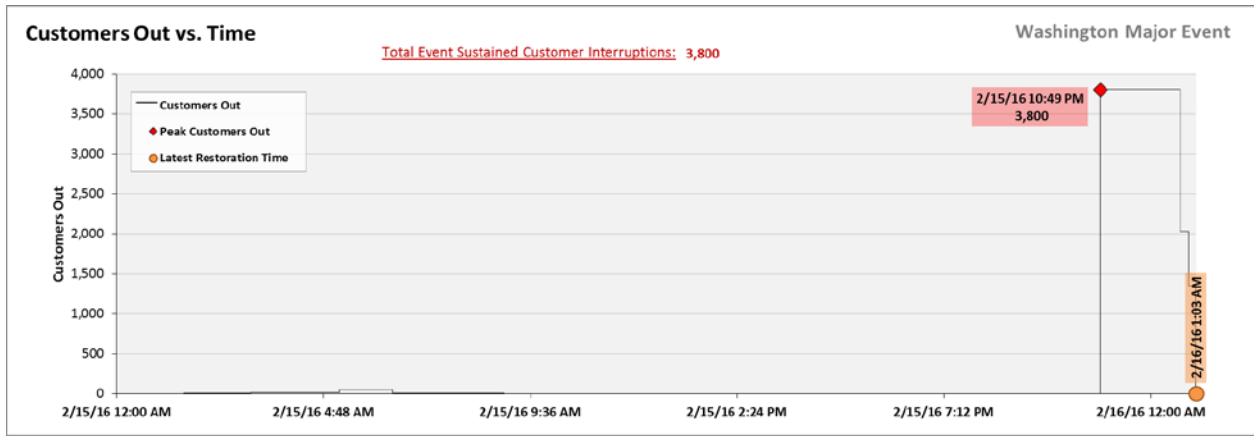
State Estimated Major Event Costs

Estimate \$	Labor	Materials	Total
Capital	\$0	\$0	\$0
Expense	\$4,645	\$2,212	\$6,857
Total	\$4,645	\$2,212	\$6,857

Major Event Declaration

Pacific Power is requesting designation of this event and its consequences to be classified as a “Major Event” for exclusion from underlying network performance reporting. This major event exceeded the company’s current Washington system average interruption frequency index-driven (SAIFI) threshold of 10% total operating area customers served sustained interruptions (3,800 customers interrupted out of 24,317 Sunnyside operating area customers, or 16% of the operating area customers) simultaneously in a 24-hour period.

Event Detail



SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.

Date

Data as/of 6/29/2016

Fiscal Year FY2017

Event Begin Date/Time 02/15/2016 12:00:00 AM **Event Begin Time**
Event End Date/Time 02/15/2016 11:59:00 PM **Event End Time**

Month Begin 2/1/2016
Month End 2/29/2016

Year Begin 1/1/2016
Year End 2/29/2016

State Washington

Comments: **Tag** **filed**

PacifiCorp Major Event Report

Customer Analysis

Washington	Customer Analysis 2/15/2016 through 2/15/2016					Customers Restored by Intervals							Major Event Only - metric by operating area customer counts			
	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	3,800	0%	460,282	3	1,868,631	-	3,800	-	-	-	-	-	100%	0.25	0.002	121
PP	3,800	0%	460,282	3	771,210	-	3,800	-	-	-	-	-	100%	0.60	0.005	121
WA	3,800	3%	460,282	3	133,235	-	3,800	-	-	-	-	-	100%	3.45	0.029	121
WA SUNNYSIDE	3,800	16%	460,282	3	24,317	-	3,800	-	-	-	-	-	100%	18.93	0.156	121

*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.

Date*	Customer Interrupted by Date 2/15/2016 through 2/15/2016					Customers Restored by Intervals							Major Event Only - metric by state customer counts			
	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
2/15/2016	3,800	3%	460,282	3	133,235	-	3,800	-	-	-	-	-	100%	3.45	0.029	121

Data as of 6/29/2016

PacifiCorp Major Event Report

SSC by State Analysis

	Washington	Event 02/15/16 through 02/15/16						Month 02/01/16 through 02/29/16						FY2017 01/01/16 through 02/29/16					
		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
PC	PACIFICORP	0.52	0.005	111	0.27	0.003	102	11.76	0.099	118	6.92	0.075	93	23.72	0.168	141	14.36	0.134	107
PP	Pacific Power	0.61	0.005	122	0.02	0.000	140	6.78	0.077	89	5.90	0.071	84	26.70	0.181	147	14.87	0.153	97
WA	Washington	3.52	0.029	122	0.07	0.000	149	7.29	0.062	118	3.83	0.033	115	12.51	0.106	118	9.06	0.078	117
Op A	SUNNYSIDE	3.45	0.029	121	-	-	-	4.37	0.041	106	0.92	0.013	73	5.52	0.054	102	2.07	0.026	80

*may include other regional major event exclusions during the same period. Operating areas are calculated by the state frozen customer count metrics.

Data as/of
6/29/2016