

November 9, 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—October 9, 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 October 9, 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:	October 9, 2016
Date Submitted:	November 9, 2016
Primary Affected Locations:	Sunnyside
Primary Cause:	Pole Fire/Loss in Transmission
Exclude from Reporting Status:	Yes
Report Prepared by:	April Brewer
Report Approved by:	Heide Caswell / Kevin Putnam / David O'Neill / Steve Henderson

Event Description

On October 9, 2016, Sunnyside, Washington experienced a system average interruption frequency index-driven (SAIFI)-based major event when a fire occurred at the distribution underbuild of a 115 kV transmission pole. The outage affected 6,398¹ customers; approximately 26 percent of the Sunnyside operating area’s customers. The initial outage from the pole fire affected 299 customers on a single distribution feed, however the transmission system operated to clear a fault condition and Sunnyside Substation was de-energized dropping feeds to six circuits serving 6,099 customers. The 6,099 customers affected by the transmission line were restored in 9 minutes, while the remaining 299 customers who were affected by the damaged distribution equipment were out for durations ranging from 4 hours 15 minutes to 17 hours 58 minutes.

Event Outage Summary	
# Interruptions (sustained)	14
Total Customer Interrupted (sustained)	7,904
Total Customer Minutes Lost	543,569
State Event SAIDI	4.08 Minutes
CAIDI	69
Major Event Start	10/9/16 12:00 AM
Major Event End	10/10/16 12:00 AM

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.

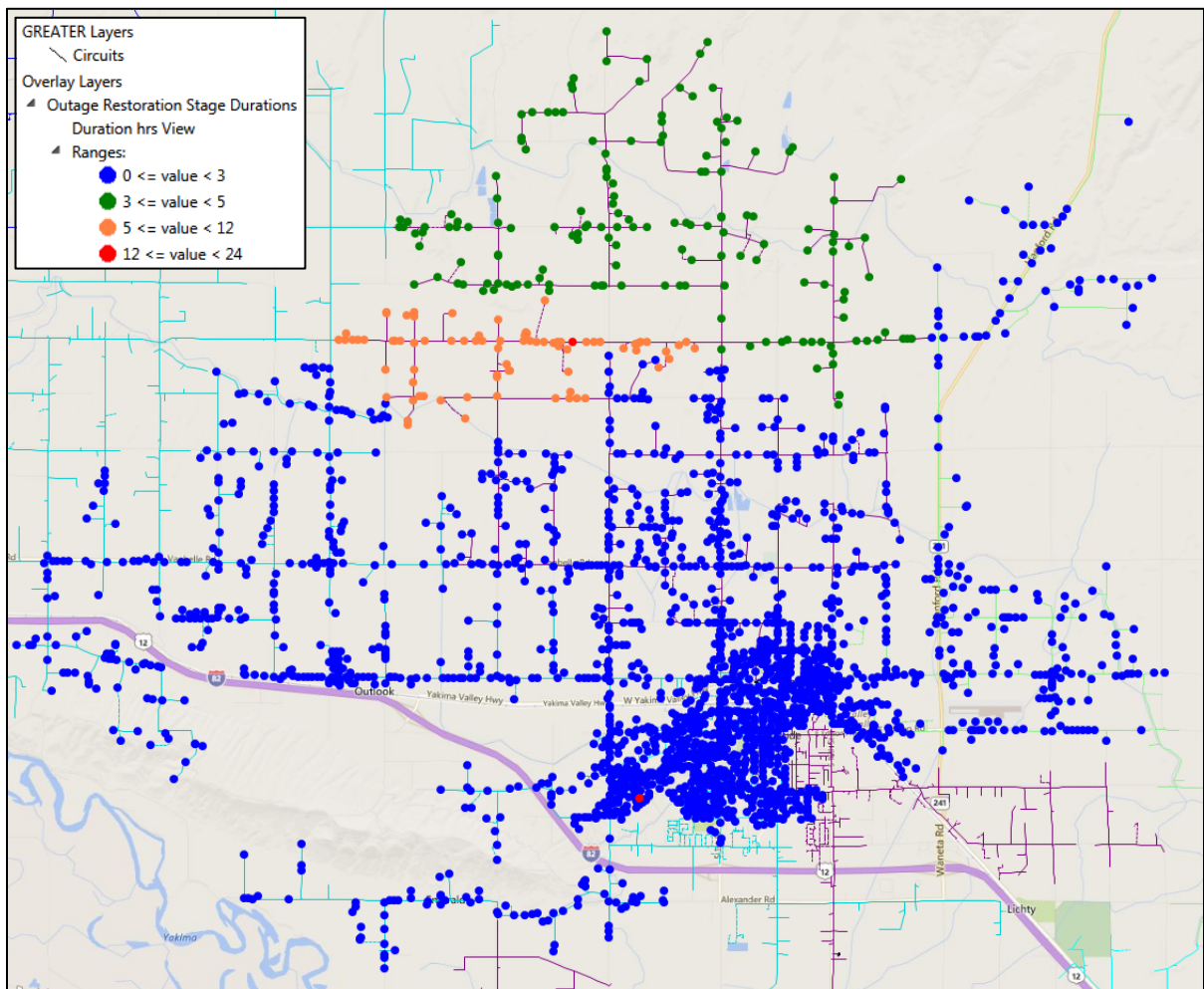
Restoration Summary

On the evening of October 9, 2016, Sunnyside, Washington experienced several pole fire outages. At 8:18 pm a pole supporting both transmission and distribution circuits experienced a pole fire which burned the pole in half. The top half of the pole dropped into a distribution transformer bank, operating circuit breaker 5Y314 at the Sunnyside Substation; subsequently, at 9:50 pm, the transmission source experienced a fault event due to the same pole fire described above, de-energizing feeds into Sunnyside substation. Personnel quickly rerouted feeds for the substation restoring power in just 9 minutes.

Repairs and restorations to the other damaged distribution lines took slightly longer, since reconstruction of several poles was required. The transformer bank pole was removed due to the extensive fire damage, a new pole was set, and hardware attached. During the repair process alternate feeds were employed to restore power to as many customers as possible, however 229 customers were impacted for the entire duration of the repair. There were a variety of pole repairs made at other locations affecting a small number of customers.

A total of 29 employees took part in the restoration efforts that evening, replacing four poles, five insulators, 16 crossarms, and two transformers. The below graphic shows the customer affected by the pole fire, by their restoration stage and outage duration.

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.
7,904	6,125	1,779	0

Restoration Resources

Personnel	
General Help	3
Estimators	1
General Foremen	1
Journeymen	24

Materials	
Crossarms	16
Insulators	5
Cutouts	8
Transmission Poles	3
Distribution Poles	1
Pole mounted transformers	2

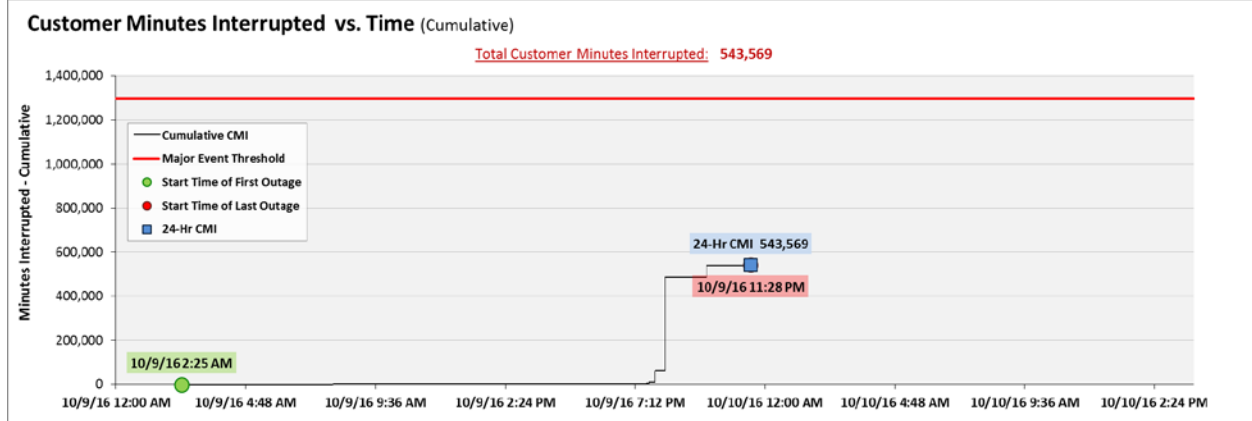
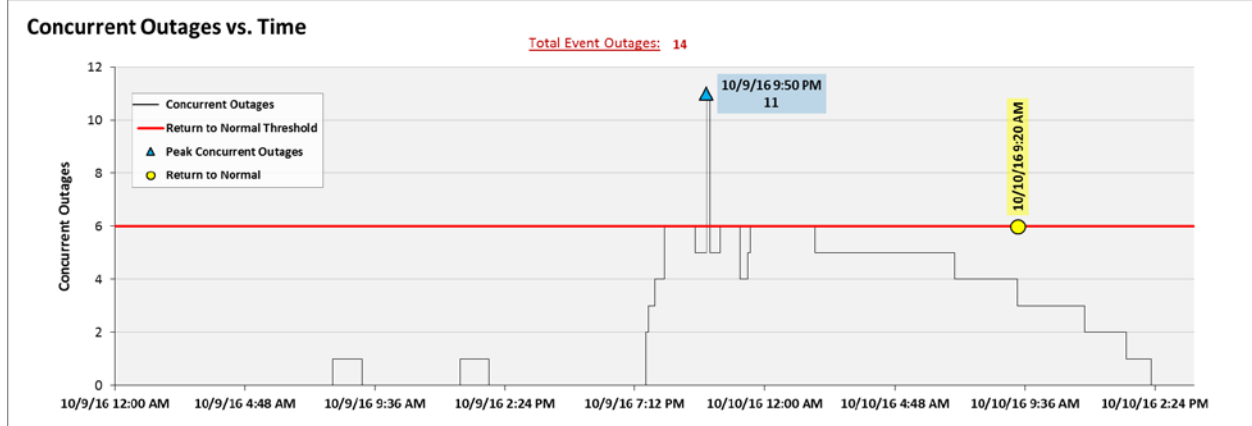
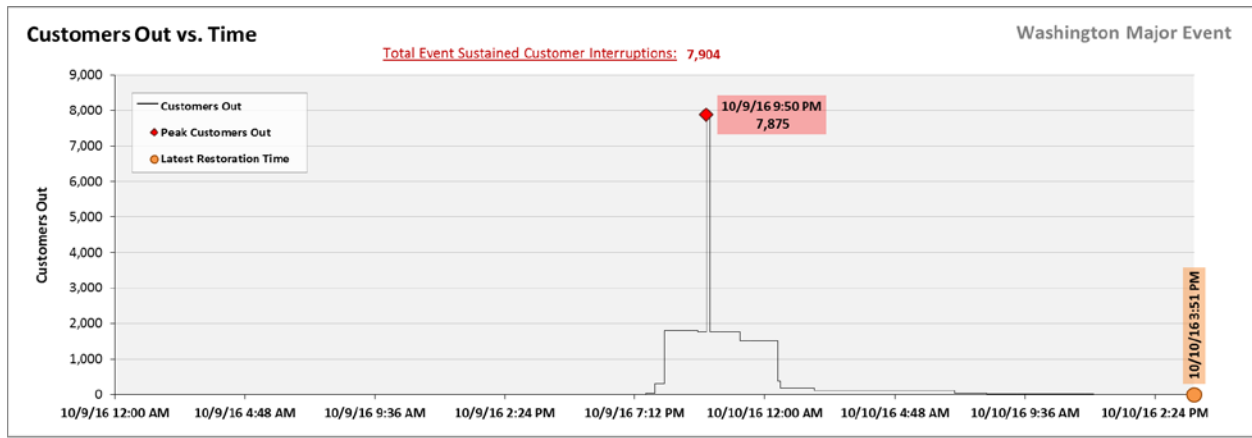
State Estimated Major Event Costs

Estimate \$	Labor	Material	Contract Resources	Total
Capital	\$28,000	\$21,000	\$5,900	\$54,900
Expense	\$42,000	\$16,000	\$18,000	\$76,000
Total	\$70,000	\$37,000	\$23,900	\$130,900

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 (6,398 customers interrupted out of 24,317 Sunnyside operating area customers, or 26% 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 11/2/2016

Fiscal Year FY2017

Event Begin Date/Time 10/09/2016 12:00:00 AM **Event Begin Time**
Event End Date/Time 10/10/2016 12:00:00 AM **Event End Time**

Month Begin 10/1/2016
Month End 10/31/2016

Year Begin 1/1/2016
Year End 10/31/2016

State Washington-
Sunnyside

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

PacifiCorp Major Event Report

Customer Analysis

	Customer Analysis 10/9/2016 through 10/10/2016				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	7,904	0%	543,569	14	1,868,631	-	6,125	1,779	-	-	-	-	77%	0.29	0.004	69
PP	7,904	1%	543,569	14	771,210	-	6,125	1,779	-	-	-	-	77%	0.70	0.010	69
WA	7,904	6%	543,569	14	133,235	-	6,125	1,779	-	-	-	-	77%	4.08	0.059	69
WA	7,904	33%	543,569	14	24,317	-	6,125	1,779	-	-	-	-	77%	22.35	0.325	69

*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 10/9/2016 through 10/10/2016				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
10/9/2016	7,904	6%	543,569	14	133,235	-	6,125	1,779	-	-	-	-	77%	4.08	0.059	69

Data as of
11/2/2016

PacifiCorp Major Event Report

SSC by State Analysis

	Washington-Sunnyside PacifiCorp Major Events Report SSC by State	Event			10/09/16 through 10/10/16			Month			10/01/16 through 10/31/16			FY2017			01/01/16 through 10/31/16			YTD				
		Major Events Included			Major Event Excluded			Major Events Included			Major Events Excluded*			Major Events Included			Major Events Excluded*			Major Events Excluded*				
		SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI
PC	PacifiCorp	0.52	0.006	89	0.23	0.002	141	18.13	0.144	126	11.05	0.097	114	184.75	1.319	140	105.30	0.949	111					
Comp	Power Company	0.78	0.011	72	0.07	0.001	145	26.26	0.183	143	9.10	0.070	130	162.89	1.269	128	97.23	0.901	108					
ST	State	4.12	0.059	69	0.04	0.000	266	22.51	0.185	122	18.43	0.126	147	103.96	0.995	104	74.18	0.553	134					
WA	SUNNYSIDE	4.08	0.059	69	-	-	-	4.75	0.062	77	0.67	0.002	273	35.78	0.387	93	12.54	0.090	139					
WA	WALLA WALLA	-	-	-	-	-	-	1.04	0.005	205	1.04	0.005	205	18.60	0.162	115	13.34	0.099	134					
WA	YAKIMA	0.04	0.000	266	0.04	0.000	266	16.72	0.118	141	16.72	0.118	141	49.58	0.446	111	48.30	0.363	133					

*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
11/2/2016