

October 20, 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—August 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 August 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:	August 15, 2016
Date Submitted:	October 20, 2016
Primary Affected Locations:	Sunnyside
Primary Cause:	Animal Interference
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 the morning of August 15, 2016, six circuit feeds from the Sunnyside substation were lost, when a squirrel damaged insulators within the substation. The outage event affected 6,395 customers with all customers restored within 6 hours 33 minutes. The event affected 27% of the total customers served within the Sunnyside operating area.

Event Outage Summary	
# Interruptions (sustained)	13
Total Customer Interrupted (sustained)	6,452
Total Customer Minutes Lost	1,744,288
Event SAIDI	13.09 Minutes
CAIDI	270
Major Event Start	8/15/16 12:00 AM
Major Event End	8/16/16 12:00 AM

Restoration Summary

At 8:01 am on the morning of August 15, 2016, Sunnyside, Washington, experienced a loss of supply event when five of six transformer high side fuses operated at the Sunnyside substation, causing a loss of feed to 6 distribution circuits, serving 6,395 customers. Crews were quickly dispatched to the area to assess damage and begin restoration activities, with the first responder arriving at 08:39 am. Once personnel arrived at the substation it was determined that a squirrel had damaged insulators to the main bus, one circuit breaker, and also had damaged three disconnect switches.

Crews began working with dispatch and area engineers to develop the appropriate substation switching orders in an effort to begin restoring power to customers concurrent with isolating power feeds to the equipment needing repair. At 09:33 am implementation of the switching

orders started and service restorations began. By 12:17 pm all switching orders were completed, restoring power to 5,464 customers. The remaining 931 customers remained out of power until 2:34 pm, when equipment repairs were completed. Upon the completion of the repairs substation switching was restored to its normal configuration.

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.
6,452	57	6,395	0

Restoration Resources

Personnel Resources	
Troublemens	16

Materials	
15KV Post Insulators	8
Misc. Fasteners	31

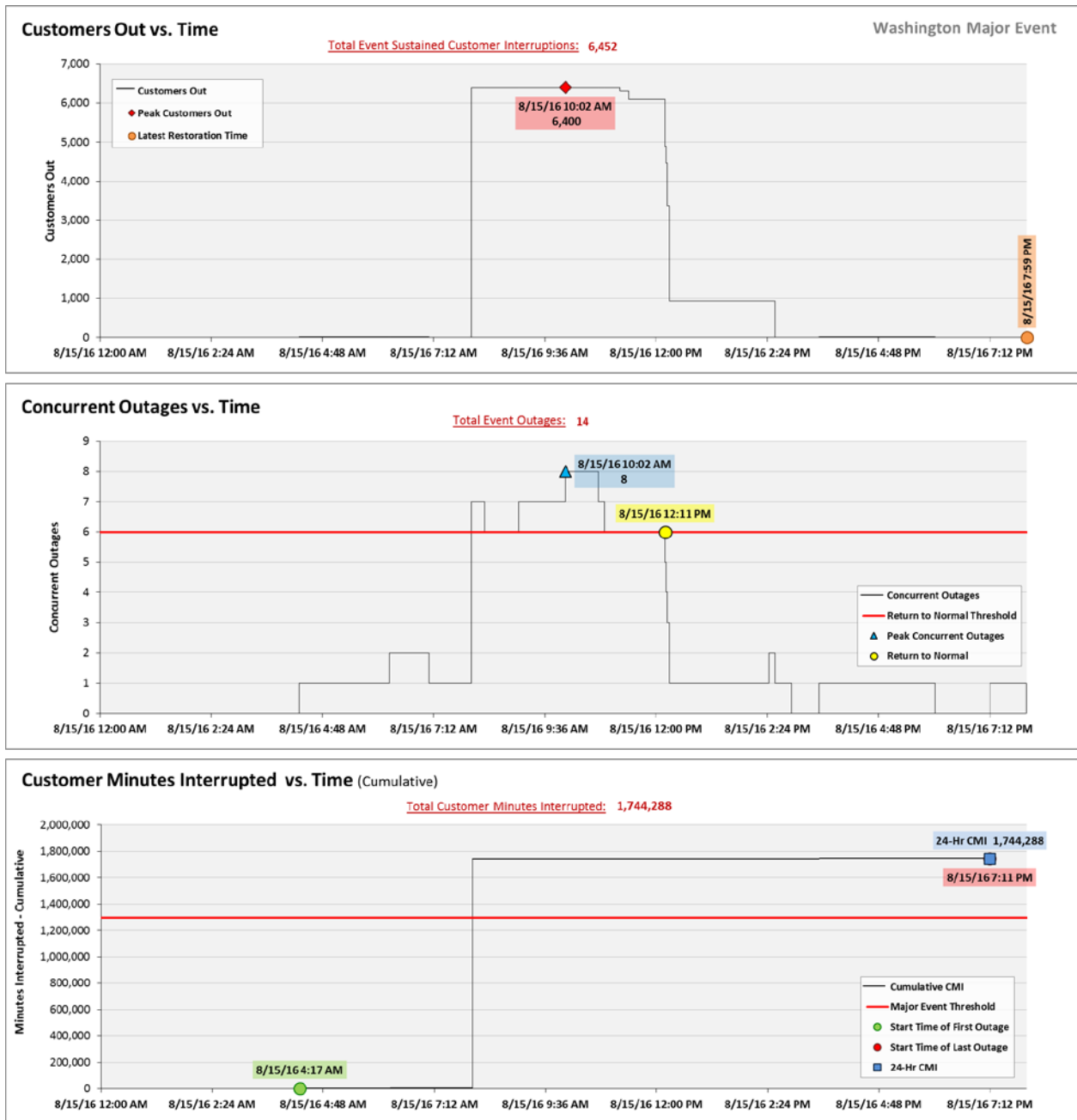
State Estimated Major Event Costs

Estimate \$	Labor	Contracts	Materials	Total
Capital	\$20,680	\$150	\$5,210	\$26,040
Expense	\$0	\$0	\$0	\$100
Total	\$20,680	\$150	\$5,210	\$26,040

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 1,297,750 customer minutes lost (9.74 state SAIDI minutes) 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 9/23/2016

Fiscal Year FY2017

Event Begin Date/Time 08/15/2016 12:00:00 AM

Event Begin Time

Event End Date/Time 08/16/2016 12:00:00 AM

Event End Time

Month Begin 8/1/2016

Month End 8/31/2016

Year Begin 1/1/2016

Year End 8/31/2016

State Washington

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

PacifiCorp Major Event Report

Customer Analysis

Washington	Customer Analysis 8/15/2016 through 8/16/2016					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	6,452	0%	1,744,288	13	1,868,631	-	57	6,395	-	-	-	-	1%	0.93	0.003	270
PP	6,452	1%	1,744,288	13	771,210	-	57	6,395	-	-	-	-	1%	2.26	0.008	270
WA	6,452	5%	1,744,288	13	133,235	-	57	6,395	-	-	-	-	1%	13.09	0.048	270
WA	6,447	27%	1,743,980	11	24,317	-	52	6,395	-	-	-	-	1%	71.72	0.265	271
WA	1	0%	103	1	28,310	-	1	-	-	-	-	-	100%	0.00	0.000	103
WA	4	0%	205	1	80,605	-	4	-	-	-	-	-	100%	0.00	0.000	51

*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 8/15/2016 through 8/16/2016					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
8/15/2016	6,452	5%	1,744,288	13	133,235	-	57	6,395	-	-	-	-	1%	13.09	0.048	270

Data as of
9/23/2016

PacifiCorp Major Event Report

SSC by State Analysis

	Washington	Event						Month						YTD					
		08/15/16 through 08/16/16			08/01/16 through 08/31/16			08/01/16 through 08/31/16			FY2017			01/01/16 through 08/31/16					
		Major Events Included		Major Event Excluded	Major Events Included		Major Events Excluded*	Major Events Included		Major Events 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	1.24	0.007	185	0.30	0.003	94	12.28	0.121	101	9.83	0.091	108	139.66	1.024	136	83.31	0.742	112
PP	Pacific Power	2.45	0.011	225	0.19	0.003	74	14.17	0.140	101	10.39	0.088	118	127.91	0.985	130	79.41	0.731	109
WA	Washington	13.09	0.048	270	-	-	-	21.18	0.218	97	5.60	0.041	138	77.32	0.785	98	51.61	0.402	128
WA	SUNNYSIDE	13.09	0.048	271	-	-	-	15.64	0.130	120	0.95	0.004	243	30.77	0.323	95	11.60	0.086	135
WA	WALLA WALLA	0.00	0.000	103	-	-	-	2.18	0.017	125	2.18	0.017	125	15.71	0.145	109	10.44	0.082	127
WA	YAKIMA	0.00	0.000	51	-	-	-	3.36	0.071	47	2.46	0.019	128	30.84	0.317	97	29.57	0.234	126

*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
9/23/2016