

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—May 21, 2016

Pacific Power & Light Company (Pacific Power or Company), a division of PacifiCorp, is claiming major event exclusion for the outages that affected its Walla Walla service area on May 21, 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: May 21, 2016

Date Submitted: August 3, 2016

Primary Affected Locations: Walla Walla

Primary Cause: Loss of Transmission

Exclude from Reporting Status: Yes

Report Prepared by: April Brewer

Report Approved by: Heide Caswell / David O’Neil / Kevin Putnam

Event Description

On May 21, 2016, Walla Walla, Washington, experienced a system average interruption frequency index-driven (SAIFI)-based major event when a helicopter collided into a transmission line. The outage affected 4,175¹ customers with all customer restorations completed within 7 hours 43 minutes. Sustained interruptions were experienced by approximately 15% of the Walla Walla operating area’s customers.

Event Outage Summary	
# Interruptions (sustained)	6
Total Customer Interrupted (sustained)	4,175
Total Customer Minutes Lost	277,942
Event State SAIDI	2.09 Minutes
CAIDI	67
Major Event Start	5/21/16 12:00 AM
Major Event End	5/21/16 11:59 PM

Restoration Summary

At 8:36 am on May 21, 2016, a helicopter spraying fields became entangled in the 69kV line which feeds the Mill Creek substation in Walla Walla de-energizing feeds to Waitsburg, Dayton, and Pomeroy substations. The incident also damaged a section of distribution underbuild along this span.

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. Walla Walla operating area’s Calendar 2016 Frozen Customer Count is 28,310 customers.

Crews were quickly dispatched to the area, based on fault location relay information, whereupon they begin patrolling the line. Meanwhile dispatch was able to restore power to the Pomeroy and Dayton substation through SCADA, energizing three circuits and power to 3,102 customers within 37 minutes. Once crews located the damage, and work repairs were assessed, field personnel were then able to manually close the circuit breaker restoring power to the Waitsburg substation and energize service to 1,057 customers; their power was restored within 2 hours 28 minutes. Service was restored to the final 16 customers, in 7 hours 42 minutes, when damage to the distribution underbuild was repaired.

Restoration activities utilized five 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.
4,175	4,159	16	0

Restoration Resources

Resources	
Journeyman	5

Materials	
Conductor	400 ft

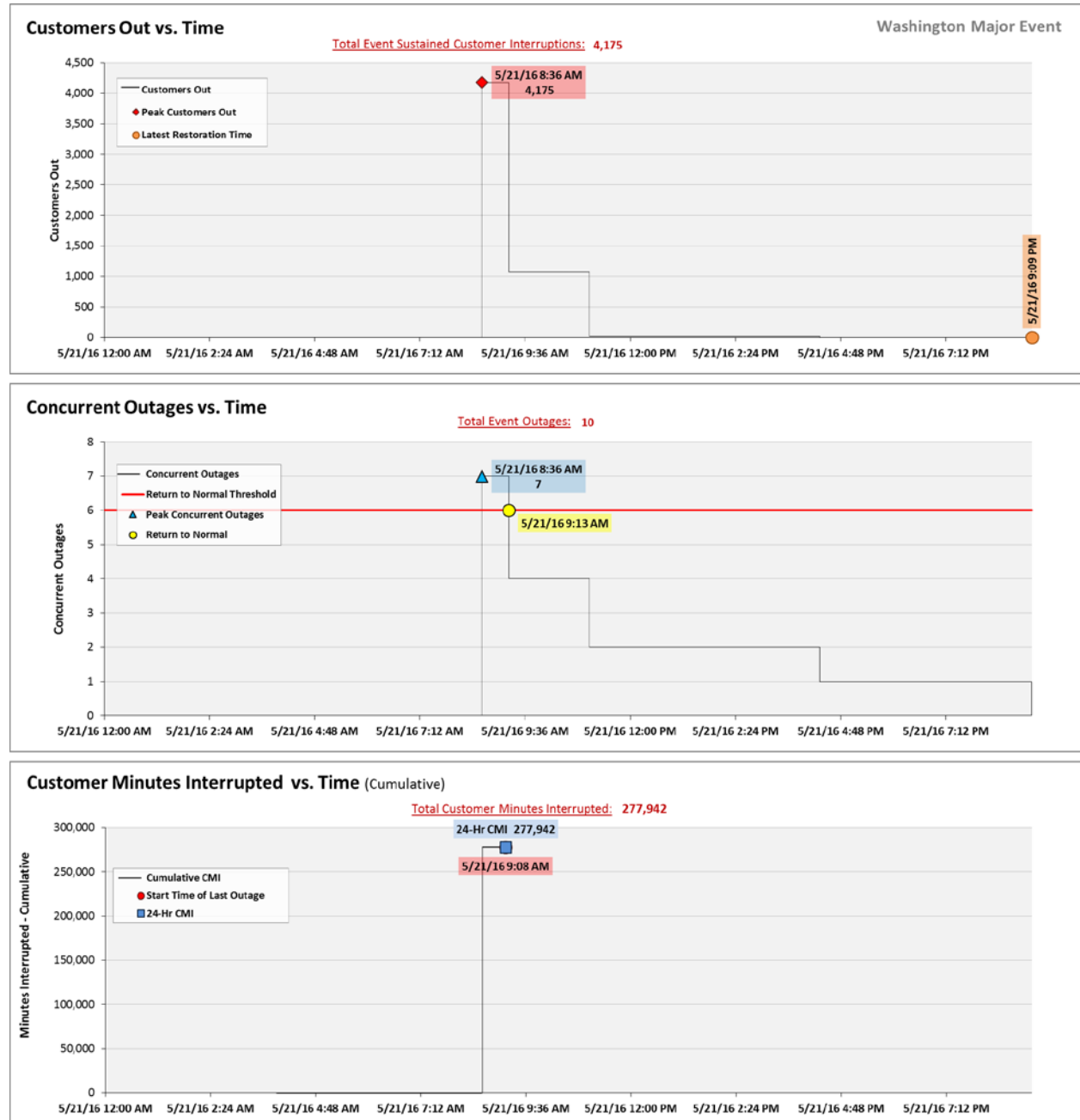
State Estimated Major Event Costs

Estimate \$	Labor	Materials	Total
Capital	\$5,785	\$619	\$6,404
Expense	\$0	\$0	\$0
Total	\$5,785	\$619	\$6,404

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 (4,175 customers interrupted out of 28,310 Walla Walla operating area customers, or 15% 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 05/21/2016 12:00:00 AM

Event Begin Time

Event End Date/Time 05/21/2016 11:59:00 PM

Event End Time

Month Begin 5/1/2016

Month End 5/31/2016

Year Begin 1/1/2016

Year End 5/31/2016

State Washington

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

PacifiCorp Major Event Report

Customer Analysis

Washington	Customer Analysis 5/21/2016 through 5/21/2016						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	4,175	0%	277,942	6	1,868,631		-	4,159	16	-	-	-	-	100%	0.15	0.002	67
PP	4,175	1%	277,942	6	771,210		-	4,159	16	-	-	-	-	100%	0.36	0.005	67
WA	4,175	3%	277,942	6	133,235		-	4,159	16	-	-	-	-	100%	2.09	0.031	67
WA WALLA WALLA	4,175	15%	277,942	6	28,310		-	4,159	16	-	-	-	-	100%	9.82	0.147	67

*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 5/21/2016 through 5/21/2016				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
5/21/2016	4,175	3%	277,942	6	133,235	-	4,159	16	-	-	-	-	100%	2.09	0.031	67

Data as of 6/29/2016

PacifiCorp Major Event Report

SSC by State Analysis

	Washington	Event						Month						FY2017								
		05/21/16			05/21/16			05/01/16			05/31/16			01/01/16		05/31/16		05/31/16				
		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	
PC	PACIFICORP	0.35	0.005	78	0.21	0.002	88	31.78	0.199	159	9.23	0.093	100	93.82	0.616	152	44.98	0.409	110			
PP	Pacific Power	0.48	0.006	82	0.12	0.000	292	7.51	0.083	90	7.15	0.078	92	84.77	0.561	151	43.78	0.401	109			
WA	Washington	2.42	0.032	75	0.33	0.001	348	10.25	0.110	93	8.16	0.079	103	38.50	0.338	114	32.96	0.278	118			
Op A	WALLA WALLA	2.09	0.031	67	-	-	-	4.76	0.056	85	2.67	0.025	109	8.42	0.078	108	6.33	0.047	135			

*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