

UE-091785-SI



825 NE Multnomah  
Portland, Oregon 97232

November 6, 2009

Washington Utilities and Transportation Commission  
1300 S. Evergreen Park Drive SW  
Olympia, WA 98504-7250

RECEIVED  
RECORDS MANAGEMENT  
2009 NOV 12 AM 8:10  
STATE OF WASH.  
UTILITY AND TRANSP.  
COMMISSION

Attn: Deborah Reynolds

RE: PacifiCorp Major Event Report

The Company is claiming major event exclusion for the outages that affected its Washington service territory October 3- 4, 2009.

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

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

If you require further information regarding this report, please contact Heide Caswell, Network Performance Manager at (503) 813-6216.

Sincerely,

*Heidemarie C. Caswell*  
Heidemarie Caswell  
Director, Network Performance

Enclosure

c: Roger Kouchi – WUTC

<p style="text-align: center;"><b>Report to the Washington Utilities and Transportation Commission</b> <b>Electric Service Reliability - Major Event Report</b></p>
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Date:	October 3 – 4, 2009
Date Submitted:	November 6, 2009
Primary Operating Area(s) Affected:	Yakima
Exclude from Reporting Status:	Yes
Report Prepared by:	Diane DeNuccio
Report Approved by:	Heide Caswell

**Event Description:**

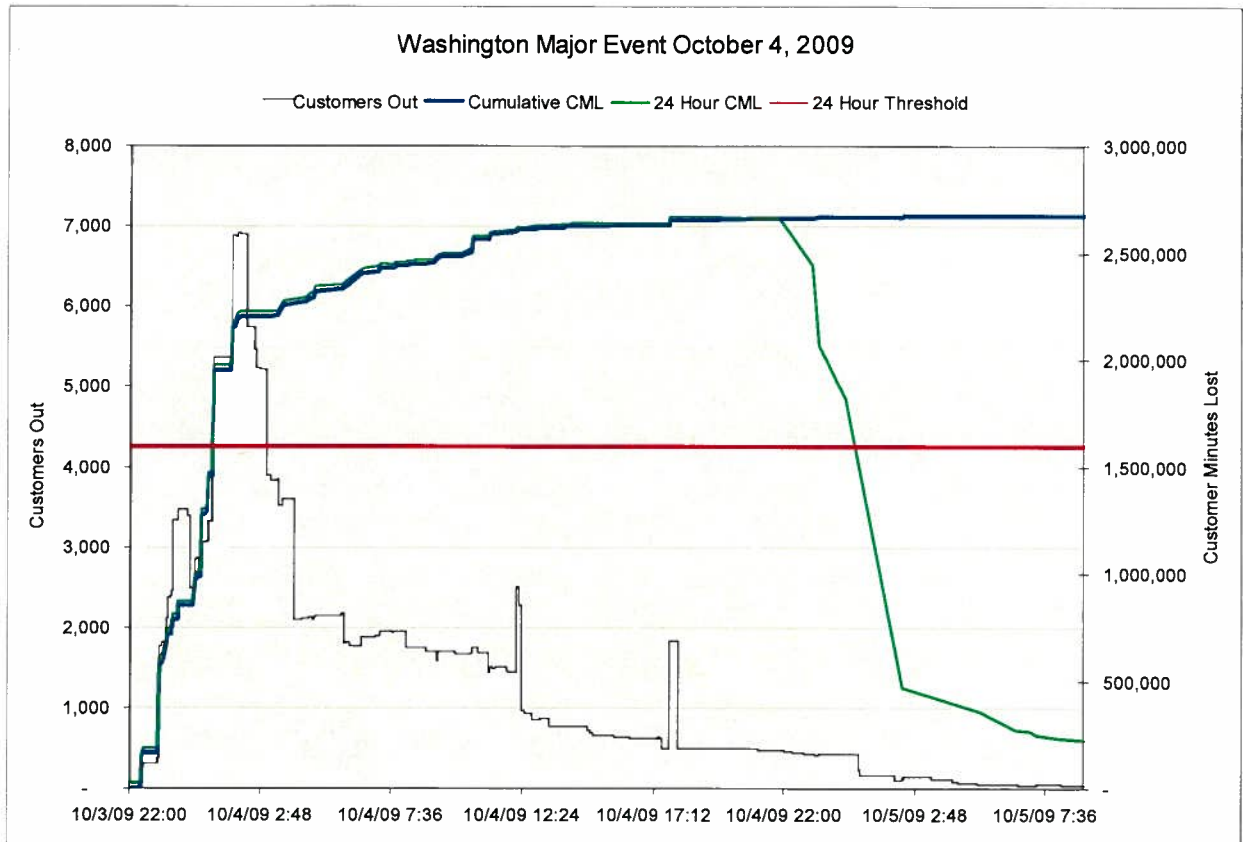
Shortly before 10:00pm on October 3, 2009, a light rain began to fall in the Yakima and Sunnyside areas of southeast Washington, which mixed with the windblown dust that had settled on electrical facilities and caused numerous pole fires throughout the area that night and into the next day. Pole fires happen when pollutants, dust and other deposits exist on insulators and misting light rain, fog or other high humidity conditions cause leakage current across the insulators; subsequent ignition of the wood structure can occur when the leakage current persists and increases thermal temperature. This serves to dry the wood, and after drying has happened, ignition occurs. Additional to the precipitation and windblown dust, high winds (recorded up to 34 mph) sent trees and limbs onto services and conductor, detaching them from homes and poles and operating protective devices.

Forty-eight circuits experienced sustained interruptions. Crews from Portland assisted local crews in Sunnyside and crews from Pendleton assisted in Yakima. Overall, fifty-seven percent of customers were restored within three hours; the longest customer interruption affected three customers on 5Y244 for 29.5 hours due to pole down in a field.

Facilities replacements included 18 distribution poles, 19 transformers, 26 crossarms and approximately 1,000 line feet of conductor.

Customers Out Sustained:	11,094
Total Customer Minutes Lost:	2,668,095
Sustained Interruptions:	101

PacifiCorp is requesting this event and the consequences thereof to be classified a “Major Event” because it exceeded the design limits of the system and the Company’s current IEEE P1366-2003 threshold of 1,596,068 customer minutes lost in a 24-hour period in Washington.



**Major Resources Utilized:**

Troubleman/Assessors	8
Internal Local crewmembers	14
Internal Borrowed crewmembers	11
Vegetation crewmembers	5
Support Staff	6

**Estimated Major Event Cost:**

Capital: \$150,000      Expense: \$125,000      TOTAL: \$275,000

**SAIDI, SAIFI, MAIFI Report:** Attached

# PacifiCorp Major Event Report

## Customer Analysis

Washington 10/03/2009 to 10/04/2009		10/03/2009 through 10/04/2009		Customers Restored by Intervals								
		Customer Analysis										
PacifiCorp Major Events Report Customer Analysis		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
<b>PacifiCorp</b>		11,094	1%	2,668,095	101	1,785,677	45,489	6,290	4,516	288		
<b>Pacific Power</b>		11,094	1%	2,668,095	101	763,021	45,489	6,290	4,516	288		
<b>Washington</b>		11,094	8%	2,668,095	101	131,251	45,489	6,290	4,516	288		
SUNNYSIDE		2,412	10%	491,323	21	24,087	11,987	1,542	867	3		
WALLA WALLA		50	0%	23,076	6	27,825		7	43			
YAKIMA		8,632	11%	2,153,696	74	79,328	33,502	4,741	3,606	285		

Customer Interrupted by Date		10/03/2009 through 10/04/2009		Customers Restored by Intervals							
		Customer Analysis									
Date	Sustained Customers Off	% Sustained Customers Off	CML	Number of Sustained Interruptions	Total Sustained Customers Off	<= 5 min	> 5 min < 3 hrs	>= 3 hrs < 24 hrs	> 24 hrs < 48 hrs	>= 48 hrs < 72 hrs	>= 72 hrs < 96 hrs
10/3/2009	3,467	31%	850,197	17	11,094	20,216	1,008	2,437	22		
10/4/2009	7,627	69%	1,817,898	84	11,094	25,273	5,282	2,079	266		

**PacifiCorp Major Event Report**  
SSM Analysis

Washington 10/03/2009 to 10/04/2009 PacifiCorp Major Events Report SSM by Op Area	Event 10/03/09 through 10/04/09		Month 10/01/09 through 10/31/09		YTD FY2009 01/01/09 through 10/31/09		Major Events Excluded		Major Events Excluded									
	Major Events Included		Major Events Excluded		Major Events Included		Major Events Excluded		Major Events Excluded									
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI						
PacifiCorp	4.29	0.02	0.04	2.80	0.02	0.01	18.42	0.14	0.23	16.93	0.13	0.20	175.42	1.53	2.04	161.68	1.43	1.92
Pacific Power	5.75	0.03	0.07	2.26	0.01	0.02	18.70	0.14	0.33	15.20	0.13	0.27	152.28	1.33	2.31	122.46	1.11	2.03
Washington	20.33	0.08	0.35				39.88	0.15	0.70	19.55	0.07	19.55	166.03	0.93	2.61	145.70	0.84	2.26
SUNNYSIDE	20.40	0.10	0.50				22.34	0.12	1.19	1.94	0.02	0.69	66.34	0.68	3.95	45.94	0.58	3.46
WALLA WALLA	0.83	0.00					11.61	0.08	0.04	10.78	0.08	0.04	77.51	0.84	0.40	76.68	0.84	0.40
YAKIMA	27.15	0.11	0.42				55.12	0.19	0.79	27.97	0.08	0.37	227.37	1.04	2.98	200.23	0.93	2.56

# PacifiCorp Major Event Report

## SSM Analysis

Washington 10/03/2009 to 10/04/2009 PacifiCorp Major Events Report SSM by State	Event		10/03/09 through 10/04/09		Month		10/01/09 through 10/31/09		YTD		FY2009		01/01/09 through 10/31/09		Major Events Excluded		Major Events Excluded	
	Major Events Included		Major Events Excluded		Major Events Included		Major Events Excluded		Major Events Included		Major Events Included		Major Events Excluded		Major Events Excluded		Major Events Excluded	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
PacifiCorp	4.29	0.02	0.04	2.80	0.02	0.01	18.42	0.14	0.23	16.93	0.13	16.93	175.42	1.53	2.04	161.68	1.43	1.92
Pacific Power	5.75	0.03	0.07	2.26	0.01	0.02	18.70	0.14	0.33	15.20	0.13	15.20	152.28	1.33	2.31	122.46	1.11	2.03
Washington	20.33	0.08	0.35				39.88	0.15	0.70	19.55	0.07	19.55	166.03	0.93	2.61	145.70	0.84	2.26
SUNNYSIDE	3.74	0.02	0.09				4.10	0.02	0.22	0.36	0.00	0.36	12.17	0.12	0.73	8.43	0.11	0.63
WALLA WALLA	0.18	0.00					2.46	0.02	0.01	2.29	0.02	2.29	16.43	0.18	0.08	16.26	0.18	0.08
YAKIMA	16.41	0.07	0.26				33.31	0.11	0.48	16.91	0.05	16.91	137.43	0.63	1.80	121.02	0.56	1.55