



e-FILING REPORT COVER SHEET

Send completed Cover Sheet and the Report in an email addressed to:
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REPORT NAME: Major Event Report

COMPANY NAME: Pacific Power

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes

If yes, please submit only the cover letter electronically. Submit confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

If known, please select designation: RE (Electric) RG (Gas) RW (Water) RO (Other)

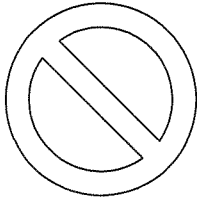
Report is required by: OAR OAR 860-023-0161
Statute
Order
Other

Is this report associated with a specific docket/case? No Yes

If yes, enter docket number: RE 107

List applicable Key Words for this report to facilitate electronic search:
Major Event Report

DO NOT electronically file with the PUC Filing Center:



- Annual Fee Statement form and payment remittance or
- OUS or RSPF Surcharge form or surcharge remittance or
- Any other Telecommunications Reporting or
- Any daily safety or safety incident reports or
- Accident reports required by ORS 654.715

Please file the above reports according to their individual instructions.



825 NE Multnomah, Suite 2000
Portland, Oregon 97232

August 13, 2015

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
201 High Street SE, Suite 100
Salem, OR 97301-1166

Attn: Filing Center

RE: PacifiCorp Major Event Report

In compliance with OAR 860-023-0161, PacifiCorp d/b/a Pacific Power (PacifiCorp or Company) submits the enclosed report describing a major event that occurred July 7-9, 2015, in the Company's *Southern Oregon* reliability reporting region.

The Company requests to exclude the outage information for this event from both its network performance reporting and customer guarantee failure payments.

If you require further information regarding this report, please contact Heide Caswell, Director, Engineering and Environmental, at (503) 813-6216.

Sincerely,

R. Bryce Dalley
Vice President, Regulation

Enclosure

cc: Lori Koho/Administrator, Safety, Reliability, and Security Division

Report to the Public Utility Commission of Oregon Electric Service Reliability - Major Event Report
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Event Date:	July 7, 2015 7:57pm – July 9, 2015 12:00am
Date Submitted:	August 13, 2015
Primary Affected Locations:	Southern Oregon (Medford)
Primary Cause:	Weather
Exclude from Reporting Status:	Yes
Report Prepared by:	April Brewer
Report Approved by:	Heide Caswell / Larry Young / Kevin Putnam

Event Description

At approximately 8 p.m. on Tuesday, July 7, 2015, a severe thunderstorm impacted the Medford, Oregon service area. The storm brought lightning, heavy rain, and strong winds reported between 55-60 mph. At the peak of the storm, 7,465 customers were without power. During the event 77 percent of customer outages were tree related and 21 percent were wind related. The longest outage of the event lasted 34 hours and affected a total of 23 customers. The following graphics display the weather radar at the storm’s initial impact, severe weather reports made during the event, July 7, 2015, wind speed and gust, and hourly history and observation on July 7, 2015.

Event Outage Summary	
# Interruptions (sustained)	124
Total Customer Interrupted (sustained)	7,755
Total Customer Minutes Lost	2,805,891
State Event SAIDI Impact	4.62 Minutes
CAIDI	362
Major Event Start	7/7/15 7:57PM
Major Event End	7/9/15 12:00AM

Storm System and Severe Weather Report Flags July 7, 2015 6pm



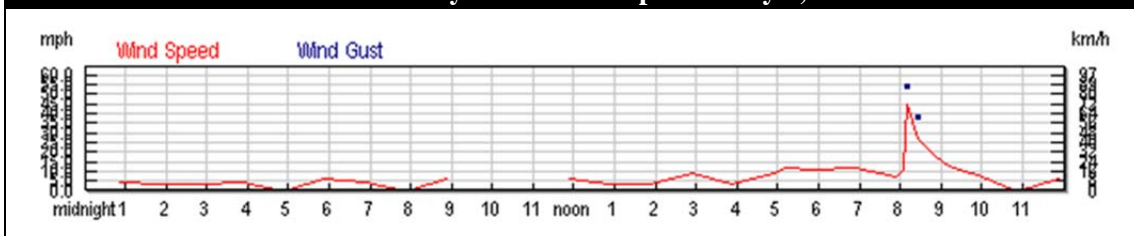
<http://www.wunderground.com/wundermap>

Severe Weather Reports for July 7, 2015

Time	Location	County	State	Comments
22:50	2 ESE TALENT	JACKSON	OR	Broadcast met reported gusts of 50-60mph in Ashland (mfr).
23:00	1 NW TALENT	JACKSON	OR	Wind gusts knocked down power lines (mfr).
23:10	2 SSE MEDFORD	JACKSON	OR	Trees down at church of Jesus Christ of latter-day saints (mfr).
23:30	2 SW MEDFORD	JACKSON	OR	Numerous reports throughout Medford of trees and power lines down. Also investigating a few reports of fires due to lightning (mfr).

<http://www.spc.noaa.gov/exper/archive/event.php?date=20150707>

Medford Daily Weather Graph for July 7, 2015



<http://www.wunderground.com/history>

July 7, 2015 Medford Hourly Weather History & Observations

Time	Temp. F	Wind Speed MPH	Gust Speed MPH	Precipitation (Inches)	Events	Conditions
7:53 PM	88	6.9	-	N/A		Scattered Clouds
8:04 PM	87.1	10.4	19.6	N/A	Thunderstorm	Mostly Cloudy
8:11 PM	78.1	44.9	54.1	N/A	Thunderstorm	Unknown
8:25 PM	73.9	26.5	38	0	Rain-Thunderstorm	Light Thunderstorms and Rain
8:53 PM	70	17.3	-	0.03	Rain-Thunderstorm	Heavy Thunderstorms and Rain
9:10 PM	69.1	12.7	21.9	0.04	Rain-Thunderstorm	Light Rain
9:28 PM	68	10.4	-	0.04	Rain	Light Rain
9:53 PM	69.1	8.1	-	0.04	Rain	Light Rain
10:53 PM	69.1	Calm	-	0		Clear

11:53 PM	68	5.8	-	N/A	Clear
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<http://www.wunderground.com/history>

Restoration Summary

Medford personnel were promptly dispatched to begin troubleshooting and assessing with restoration efforts focused initially on five substation circuits that had locked out. Additional line crew resources from Grants Pass, vegetation crews, and district crews augmented the Medford team and worked to locate and isolate trouble spots on the lines, ultimately restoring power to the majority of customers (approximately 6,400) on these circuits by 4 a.m. on July 8, 2015. Additional crews and contract resources were brought in from Klamath Falls and Yreka service areas on the morning of July 8, 2015, and restoration work for the remaining customers continued throughout the day. Crews worked to repair 15 locations of downed primary wire, replaced one broken transmission pole and six broken distribution poles, replaced 14 blown transformers, and made repairs to numerous individual services that had been taken down by trees and limbs. By late afternoon power had been restored to approximately 1,100 customers, and by 8 p.m. the number of customers remaining without power was less than 75. Full restoration was achieved in the early morning on July 9, 2015. A total of 57 personnel participated in restoration work including seven line crews, 11 first responders/assessors, three tree crews, and 13 support/logistics personnel.

There was one company customer complaint but no commission customer complaints made regarding the major event.

Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24+ Hrs.	36+ Hrs.
7,755	1,342	6,382	31	0

Restoration Resources

Personnel Resources	
Estimators	3
Wires Journeyman	22
General Foreman	1
Site Agent	1
Mechanic	1
Support Staff	2
TOTAL	30

Materials	
Approximate Line Feet (conductor)	2,163 ft
Breakers & Switches	8
Pole Hardware (crossarms, braces, covers, guards, ect.)	19
Insulators	24
Other Equipment/Supplies	104

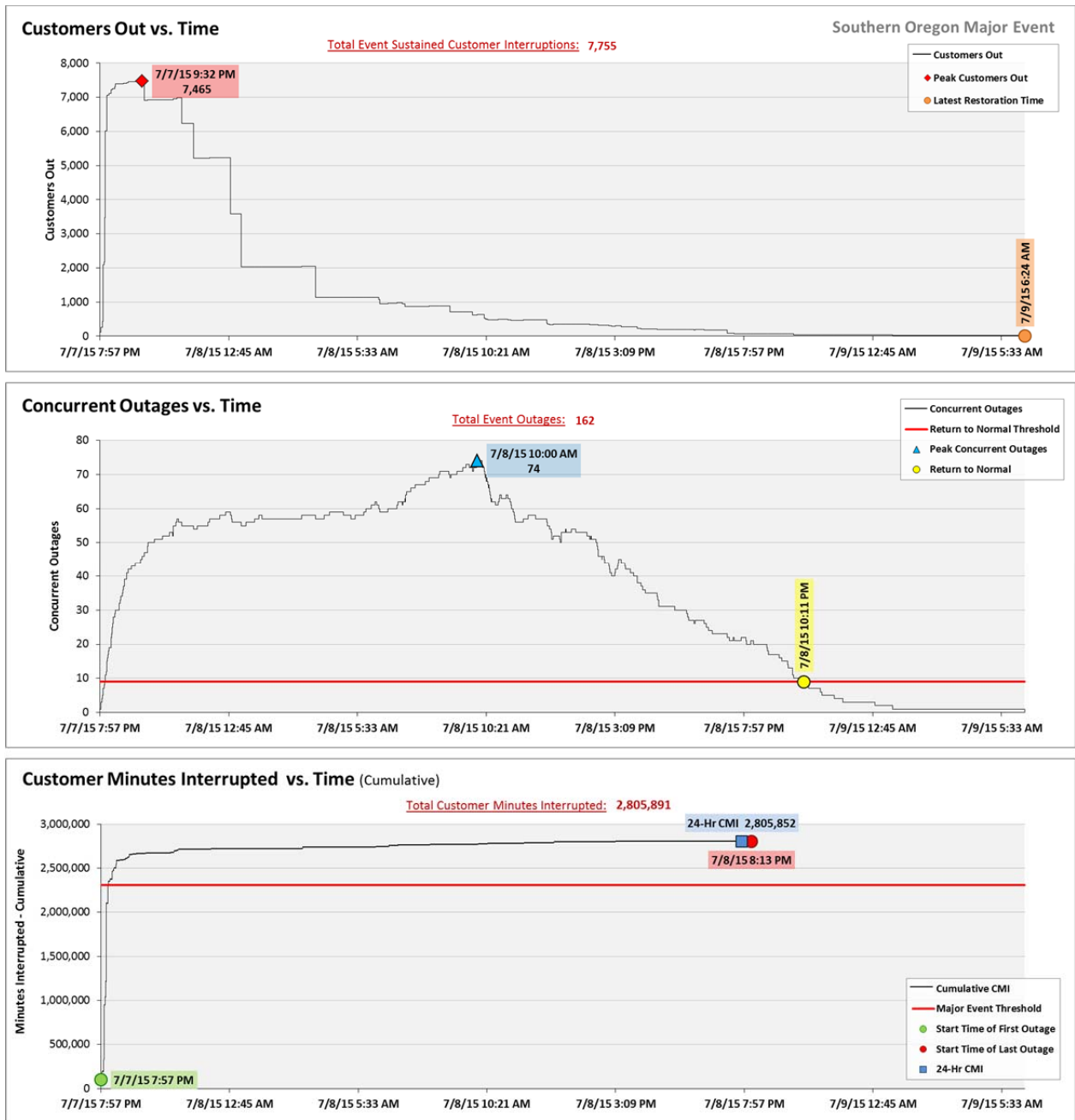
State Estimated Major Event Costs

Estimate \$	Labor	Materials	Total
Capital	\$0	\$0	\$0
Expense	\$77,171	\$40,428	\$117,599
Total	\$77,171	\$40,428	\$117,599

Major Event Declaration

PacifiCorp designates these events and the consequences thereof a major event in accordance with OAR 860-023-0161. This is a major event because it exceeded the design or operating limits of the system, and the Major Event Threshold for the reliability reporting region as calculated annually by the company according to IEEE 1366-2003 methodology (commonly referred to as the 2.5 beta method). This company's 2015 Southern Oregon reliability reporting region threshold is 2,306,700 customer minutes lost (10.13 Southern Oregon SAIDI minutes) in a 24-hour period.

Event Details



SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.

PacifiCorp Major Event Report
Customer Analysis

Oregon 7/07/2015 to 7/08/2015		7/7/2015 through 7/8/2015 Customer Analysis					Customers Restored by Intervals								Major Event Only		
PacifiCorp Major Events Report Customer Analysis		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	PACIFICORP	7,755	0%	2,805,891	124	1,887,237	39,271	1,342	6,382	31	0	0	0	17%	1.49	0.00	362
PP	Pacific Power	7,755	1%	2,805,891	124	793,118	39,271	1,342	6,382	31	0	0	0	17%	3.54	0.01	362
OR	Oregon	7,755	1%	2,805,891	124	607,450	39,271	1,342	6,382	31	0	0	0	17%	4.62	0.01	362
SO	South OR	7,755	3%	2,805,891	124	227,722	39,271	1,342	6,382	31	0	0	0	17%	12.32	0.03	362
OR	GRANTS PASS	18	0%	407	2	52,490	0	18	0	0	0	0	0	100%	0.01	0.00	23
OR	KLAMATH FALLS	12	0%	2,769	6	39,334	0	3	9	0	0	0	0	25%	0.07	0.00	231
OR	MEDFORD	7,711	9%	2,800,031	112	90,122	39,067	1,317	6,363	31	0	0	0	17%	31.07	0.09	363
OR	ROSEBURG/MYRTLECREEK	14	0%	2,684	4	43,233	204	4	10	0	0	0	0	29%	0.06	0.00	192

Date	Customer Interrupted by Date 7/7/2015 through 7/9/2015					Customers Restored by Intervals							
	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
7/7/2015	8	0%	2,210	3	39,334	0	1	7	0	0	0	0	13%
7/7/2015	7,524	8%	2,715,356	56	90,122	39,067	1,291	6,202	31	0	0	0	17%
7/7/2015	1	0%	57	1	43,233	0	1	0	0	0	0	0	100%
7/8/2015	18	0%	407	2	52,490	0	18	0	0	0	0	0	100%
7/8/2015	4	0%	559	3	39,334	0	2	2	0	0	0	0	50%
7/8/2015	187	0%	84,675	56	90,122	0	26	161	0	0	0	0	14%
7/8/2015	13	0%	2,628	3	43,233	204	3	10	0	0	0	0	23%

Data as of
7/15/2015

PacifiCorp Major Event Report
SSC by State Analysis

Oregon 7/07/2015 to 7/08/2015 PacifiCorp Major Events Report SSC by State		Event 07/07/15 through 7/8/2015						Month 07/01/15 through 7/15/2015						YTD FY2016 01/01/15 through 07/15/15					
		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	1.49	0.004	362	0	0	0	13.92	0.101	138	9.78	0.087	113	124.71	0.787	158	82.75	0.651	127
PP	Pacific Power	3.54	0.010	362	0	0	0	17.77	0.109	162	7.92	0.075	105	121.52	0.733	166	63.87	0.533	120
OR	Oregon	4.62	0.013	362	0	0	0	17.99	0.096	187	5.13	0.052	99	115.08	0.716	161	62.67	0.532	118
SO	South OR	4.62	0.013	362	0	0	0	7.23	0.048	150	2.62	0.035	74	51.63	0.246	210	29.61	0.181	164
OR	GRANTS PASS	0.00	0.000	23	0	0	0	0.36	0.006	60	0.36	0.006	60	12.72	0.050	254	10.79	0.046	235
OR	KLAMATH FALLS	0.00	0.000	231	0	0	0	0.69	0.006	122	0.69	0.006	121	12.05	0.068	177	6.95	0.058	120
OR	LAKEVIEW	0.00	0.000	0	0	0	0	0.00	0.000	0	0.00	0.000	0	0.05	0.000	0	0.05	0.000	0
OR	MEDFORD	4.61	0.013	363	0	0	0	6.01	0.035	172	1.40	0.022	63	15.83	0.075	211	6.21	0.052	120
OR	ROSEBURG/MYRTLECREEK	0.00	0.000	192	0	0	0	0.17	0.002	106	0.16	0.002	105	10.98	0.053	207	5.61	0.025	224

Data as of
7/15/2015