



e-FILING REPORT COVER SHEET

COMPANY NAME: PacifiCorp d/b/a Pacific Power

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type: RE (Electric) RG (Gas) RW (Water) RT (Telecommunications)
 RO (Other, for example, industry safety information)

Did you previously file a similar report? No Yes, report docket number: RE 107

Report is required by: OAR 860-023-0161

Statute

Order

Note: A one-time submission required by an order is a compliance filing and not a report (file compliance in the applicable docket)

Other

(For example, federal regulations, or requested by Staff)

Is this report associated with a specific docket/case? No Yes, docket number: RE 107

List Key Words for this report. We use these to improve search results.

Major Event Report

Send the completed Cover Sheet and the Report in an email addressed to PUC.FilingCenter@state.or.us

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.



825 NE Multnomah, Suite 2000
Portland, Oregon 97232

March 23, 2021

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
Attn: Filing Center
201 High Street SE, Suite 100
Salem, OR 97301-3398

RE: RE 107—PacifiCorp Major Event Report

In compliance with OAR 860-023-0161, PacifiCorp d/b/a Pacific Power submits the enclosed report describing a major event that occurred February 8, 2021, in the company's Northeast Oregon reliability reporting regions.

PacifiCorp 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, Asset Performance and Wildfire Mitigation, at (503) 813-6216.

Sincerely,

Etta Lockey
Vice President, Regulation and Customer and Community Solutions

Enclosure

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

Report to the Oregon Public Utility Commission Electric Service Reliability - Major Event Report

Event Date: February 8, 2021

Date Submitted: March 23, 2021

Primary Affected Locations: Northeast Oregon

Primary Cause: Loss of transmission

Exclude from Reporting Status: Yes

Report Prepared by: April Brewer

Report Approved by: Heide Caswell / Kevin Freeman / Carrie Laird

Event Outage Summary	
# Interruptions (sustained)	6
Total Customer Interrupted (sustained)	1,407
Total Customer Minutes Lost	473,609
State Event SAIDI	0.76 Minutes
CAIDI	337
Major Event Start	2/8/2021 12:00 AM
Major Event End	2/9/2021 12:00 AM

Event Description and Restoration Summary

On February 8, 2021, Northeast Oregon, experienced a major event due to an equipment failure on the 69 kV transmission line from Pendleton-Roundup-Pilot Rock-McKay. The event began at 4:19 a.m. affecting service to 1,400 customers for a duration of 5 hours 37 minutes (Figure 1). Crews were dispatched to patrol the line and shortly after 6:00 a.m. crews found a damaged jumper, likely caused by extreme winds¹ in the area as shown in Figure 2.

Under normal circumstances this outage would have been quickly restored as the Pilot Rock substation can be looped from the McKay substation, however the McKay substation is being rebuilt and was inoperable for switching at this time. The Roundup substation is operated by the Bonneville Power Administration (BPA), therefore the company required clearances from BPA to perform needed operations to effect repairs. During this time outside support from Walla Walla was obtained while two employees brought a large bucket truck to Pendleton to assist in restoration activities. Once BPA issued clearances on the line, crews quickly made repairs, after which BPA released clearances and re-energized the line. At 9:56 a.m. customers were restored.

¹ While these windspeeds are not extremely high the area is generally a high wind area and it's believed that brittle failure occurred during this period of elevated winds.

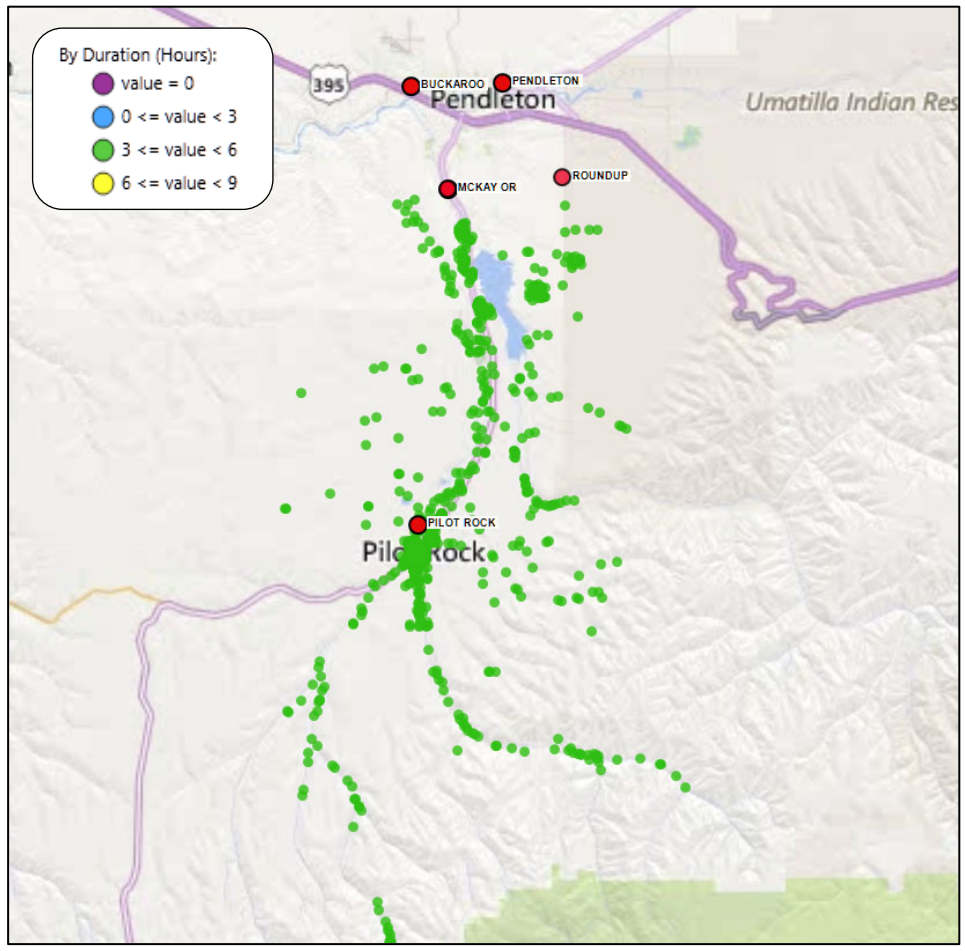


Figure 1: Outages experienced during the major event by duration.

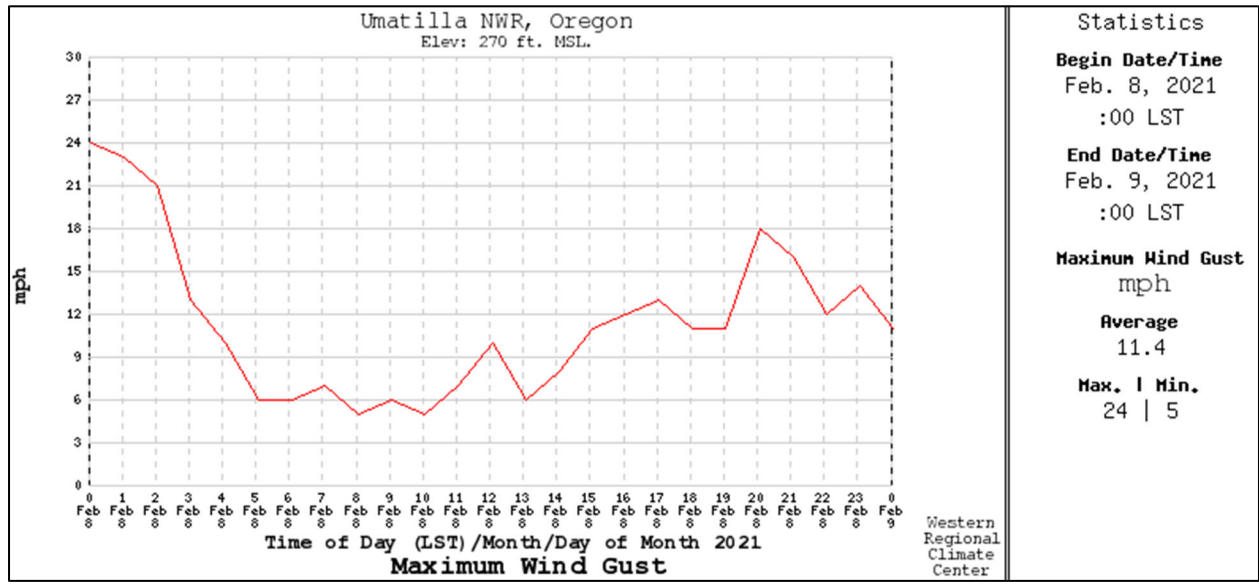


Figure 2: February 8, 2021 wind data.

Restoration Intervals for Customers during Major Event

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24-48 Hrs.
1,407	3	1,404	0

Restoration Resources ²

Personnel Resources	
General Foreman	1
Lineman	14
Substation crewmen	1

State Estimated Major Event Costs ²

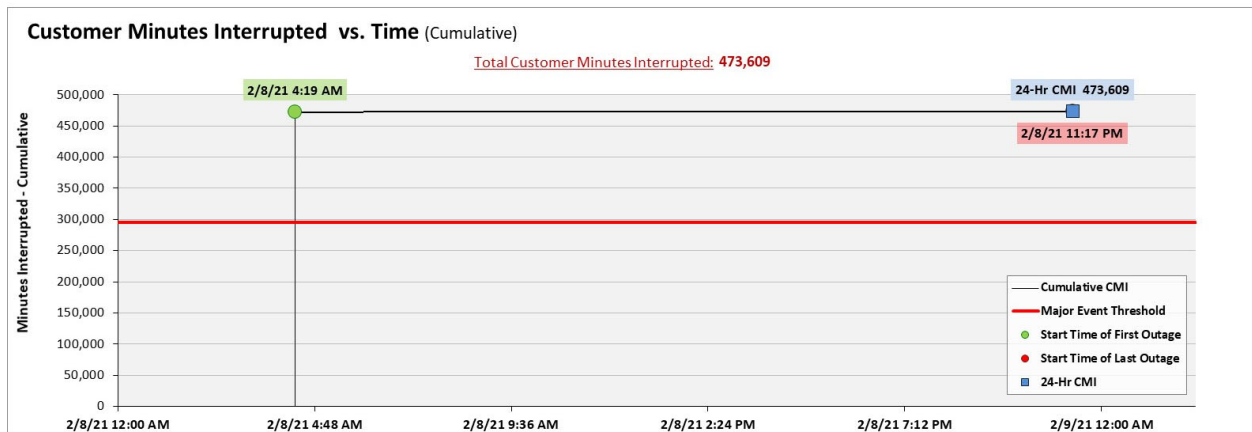
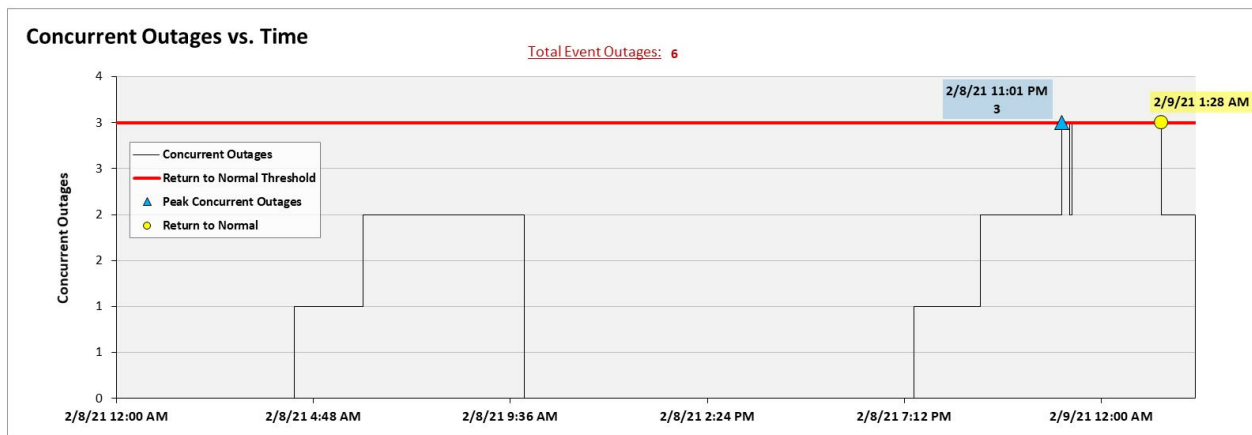
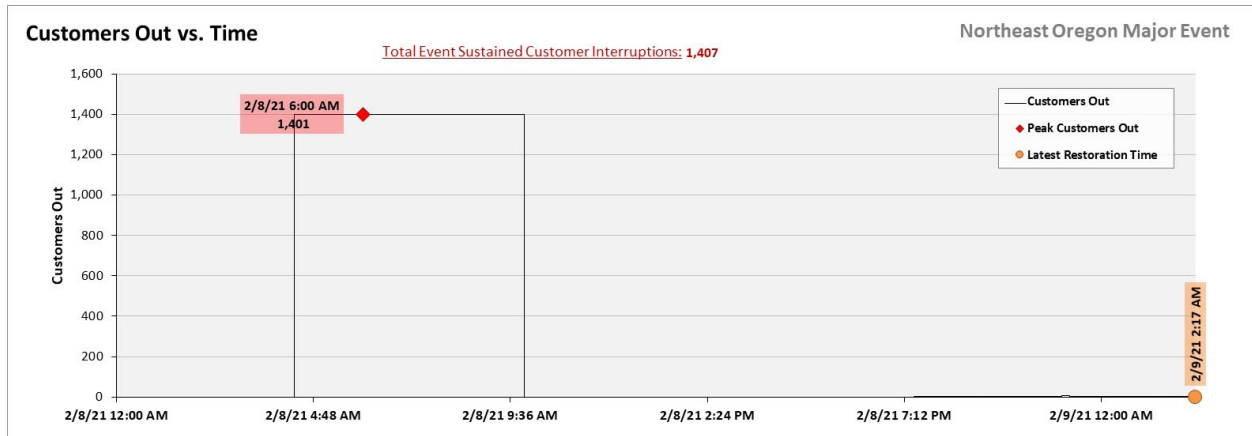
Estimate \$	Labor	Contracts	Materials	Overheads	Total
Capital	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Expense	\$6,634	\$ 0	\$ 0	\$ 513	\$7,147
Total	\$6,634	\$ 0	\$ 0	\$513	\$7,147

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 Northeast Oregon as calculated annually by the company according to IEEE 1366-2003 methodology (commonly referred to as the 2.5 beta method). The company's 2021 Northeast Oregon reliability threshold is 299,031 customer minutes lost (11.43 Northeast Oregon SAIDI minutes) in a 24-hour period.

² Data provided represents specific system records for personnel, resources, and costs; and is specific to the event, not inclusive of state delineation. However, additional resources whose participation did not get individually captured in transaction recording systems were utilized during the event, thus the data presented here effectively understates the resources, including cost, involved in restoring the system to normal.

Event Detail



SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.

PacifiCorp Major Event Report

Customer Analysis

NE Oregon		Customer Analysis 2/8/2021 through 2/9/2021					Customers Restored by Intervals								Major Event Only - metric by operating area customer counts		
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	1,407	0%	473,609	6	2,019,764	-	3	1,404	-	-	-	-	0%	0.23	0.001	337
PP	Pacific Power	1,407	0%	473,609	6	807,241	-	3	1,404	-	-	-	-	0%	0.59	0.002	337
OR	Oregon	1,407	0%	473,609	6	623,412	-	3	1,404	-	-	-	-	0%	0.76	0.002	337
OR	HERMISTON	3	0%	392	1	4,906	-	3	-	-	-	-	-	100%	0.08	0.001	131
OR	PENDLETON	1,404	11%	473,217	5	13,036	-	-	1,404	-	-	-	-	0%	36.30	0.108	337

*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.

Customer Interrupted by Date 2/8/2021 through 2/9/2021		Customers Restored by Intervals								Major Event Only - metric by state customer counts						
Date*	Sustained Customers Off	% Sustained Customers Off	CML	Number of Sustained Interruptions	State 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
2/8/2021	1,407	0%	473,609	6	623,412	-	3	1,404	-	-	-	-	0%	0.76	0.002	337

Data as of
3/9/2021

PacifiCorp Major Event Report
SSC by State Analysis

	NE Oregon	Event 02/08/21 through 02/09/21						Month 02/01/21 through 02/28/21						YTD FY2022 01/01/21 through 02/28/21					
		Major Events Included			Major Event Excluded			Major Events Included			Major Events Excluded*			Major Events Included			Major Events Excluded*		
	PacifiCorp Major Events Report SSC by State	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI
PC	PACIFICORP	0.43	0.003	146	0.20	0.002	87	90.47	0.151	601	6.92	0.068	102	109.33	0.313	349	14.02	0.127	111
PP	Pacific Power	0.84	0.006	140	0.25	0.004	60	213.94	0.253	847	7.62	0.064	119	250.23	0.568	440	14.47	0.119	121
OR	Oregon	1.07	0.008	140	0.32	0.005	58	272.06	0.293	929	6.88	0.063	110	313.13	0.641	488	13.59	0.119	114
OR	ENTERPRISE	-	-	-	-	-	-	0.01	0.000	138	0.00	0.000	115	0.04	0.000	240	0.01	0.000	147
OR	HERMISTON	0.00	-	131	-	-	-	0.02	0.000	307	0.01	0.000	324	0.17	0.006	28	0.12	0.006	21
OR	PENDLETON	0.76	0.002	337	-	-	-	0.79	0.002	335	0.03	0.000	309	1.28	0.006	222	0.27	0.002	139
OR	WALLA WALLA		-	-	-	-	-	0.00	0.000	52	0.00	0.000	117	0.05	0.000	232	0.00	0.000	102

Data as of
3/9/2021