



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 Street, Suite 2000
Portland, Oregon 97232

April 6, 2023

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 (PacifiCorp) submits the enclosed report describing a major event that occurred February 22-24, 2023, due to a winter storm that impacted PacifiCorp's service across the coast.

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 Kevin Benson, Director, Asset Risk, at (541) 213-1990.

Sincerely,

Matthew McVee
Vice President, Regulatory Policy and Operations

Enclosures

Cc: Heide Caswell/Administrator, Utility Safety, Reliability, and Security Division

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

Event Date: February 22-24, 2023
Date Submitted: April 6, 2023
Primary Affected Locations: Oregon
Primary Cause: Winter Storm
Exclude from Reporting Status: Yes
Report Prepared by: Tia Solis
Report Approved by: Kevin Benson

Event Customer Impact and Outage Summary

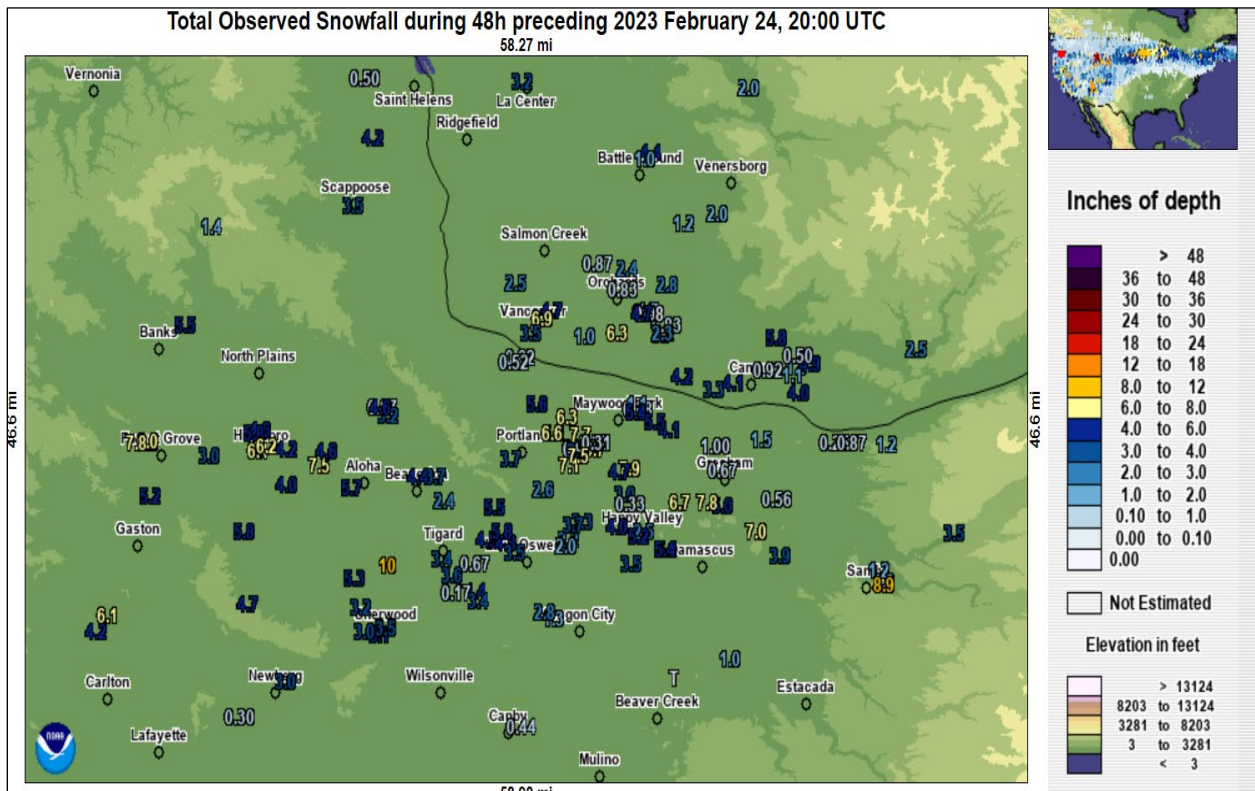
Event Outage Summary	
# Interruptions (sustained)	98
Total Customer Interrupted (sustained)	8,360
Total Customer Minutes Lost	3,747,507
State Event SAIDI	5.90 Minutes
CAIDI	448
Major Event Start	2/22/23 8:18 PM
Major Event End	2/24/23 2:00 PM

From February 22-24, 2023, Oregon experienced a major event as the result of a winter storm impacting service across the coast. During the event, 98 outages occurred affecting over 8,000 customers. Service reliability was most impacted in the Lincoln City and Coos Bay/ Coquille areas.

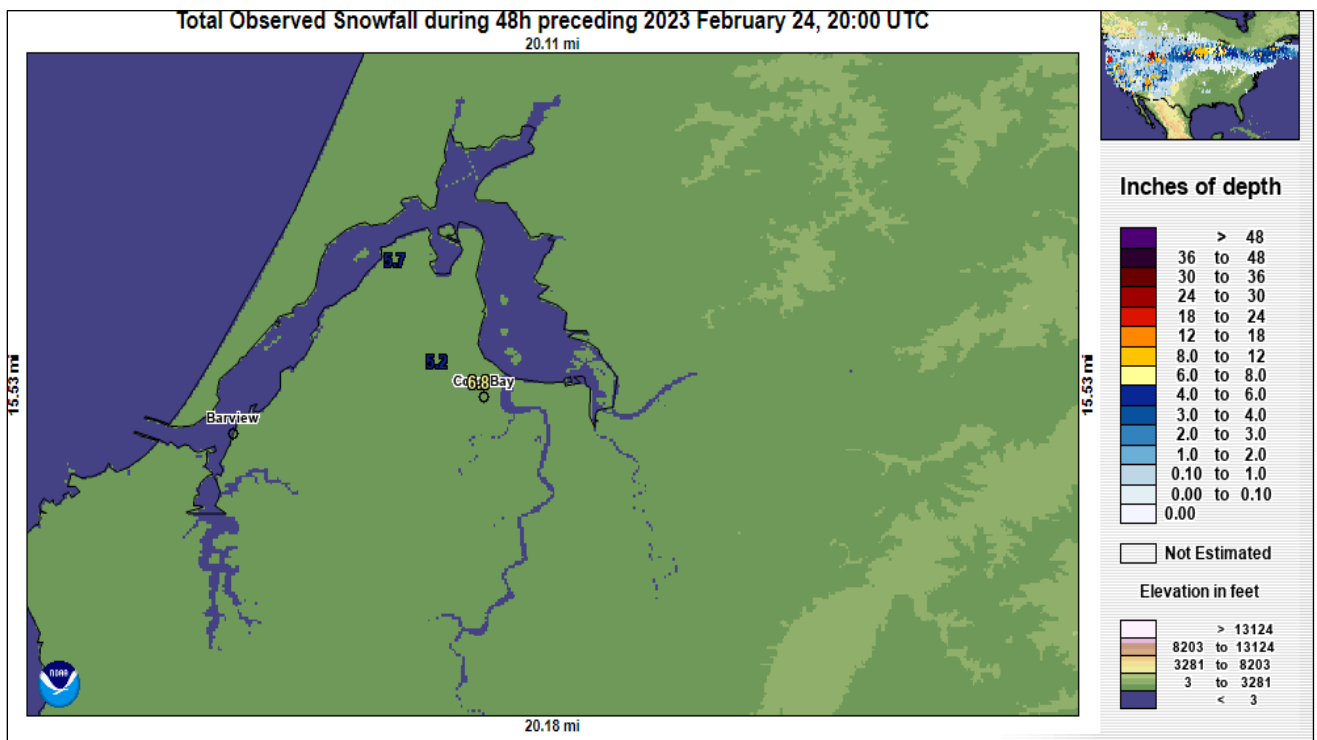
Weather

An area of low pressure that was originally forecasted to move across the Oregon coast and Willamette Valley, stalled just off the Oregon Coast late on the 22nd. The lead to an anomalous snowfall event that targeted the Portland Metro area as well as locations along the Oregon coast. The cold nature of the low combined with a persistent moisture fetch off the Pacific Ocean allowed for heavy bands of snow to occur for 24-36 hours over the same area. Snowfall totals ranged between 2-8 inches across the Portland Metro locations, 5-7 inches near Coos Bay and 4-6 inches around the Lincoln City area.

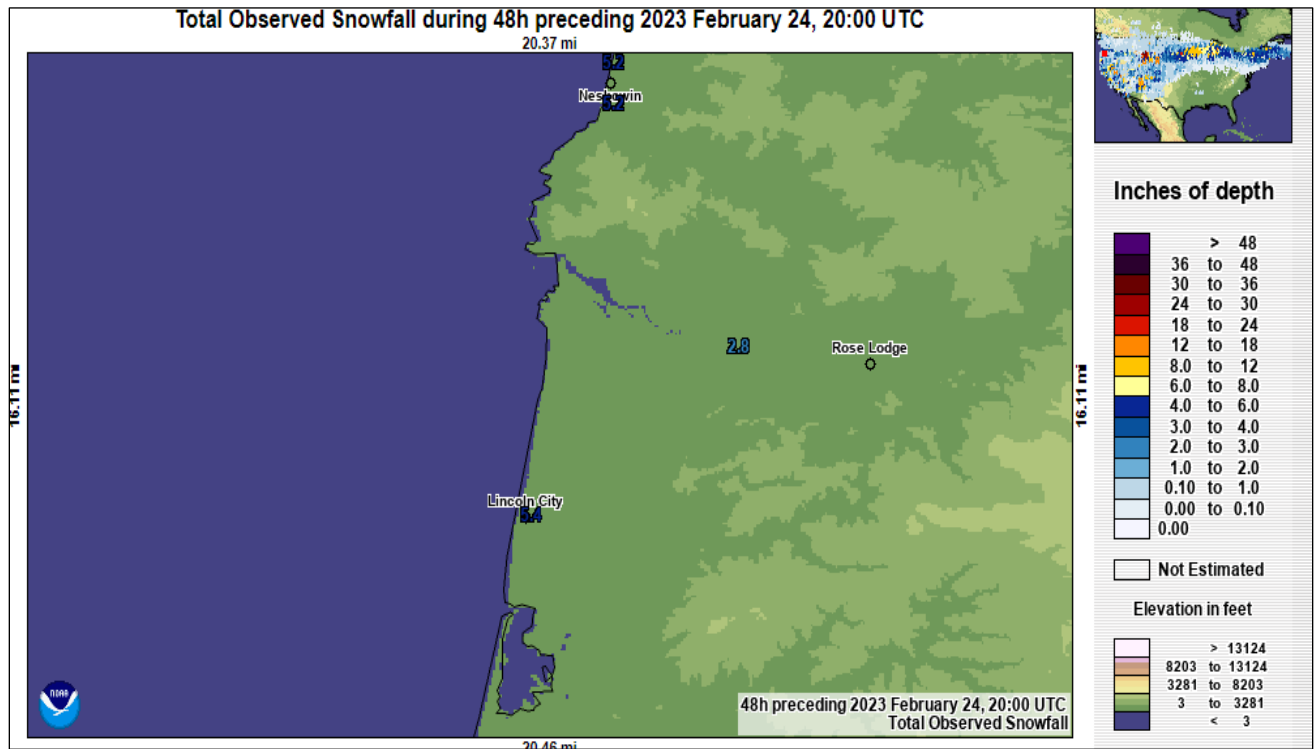
Below are total observed snowfall maps during a 48-hour period covering the major event period for both the Portland Metro area and coastal Oregon locations.



Portland, Oregon Metro Area 48 hour observed snowfall ending February 24, 2023



Coos Bay, Oregon 48 hour observed Snowfall end February 24, 2023

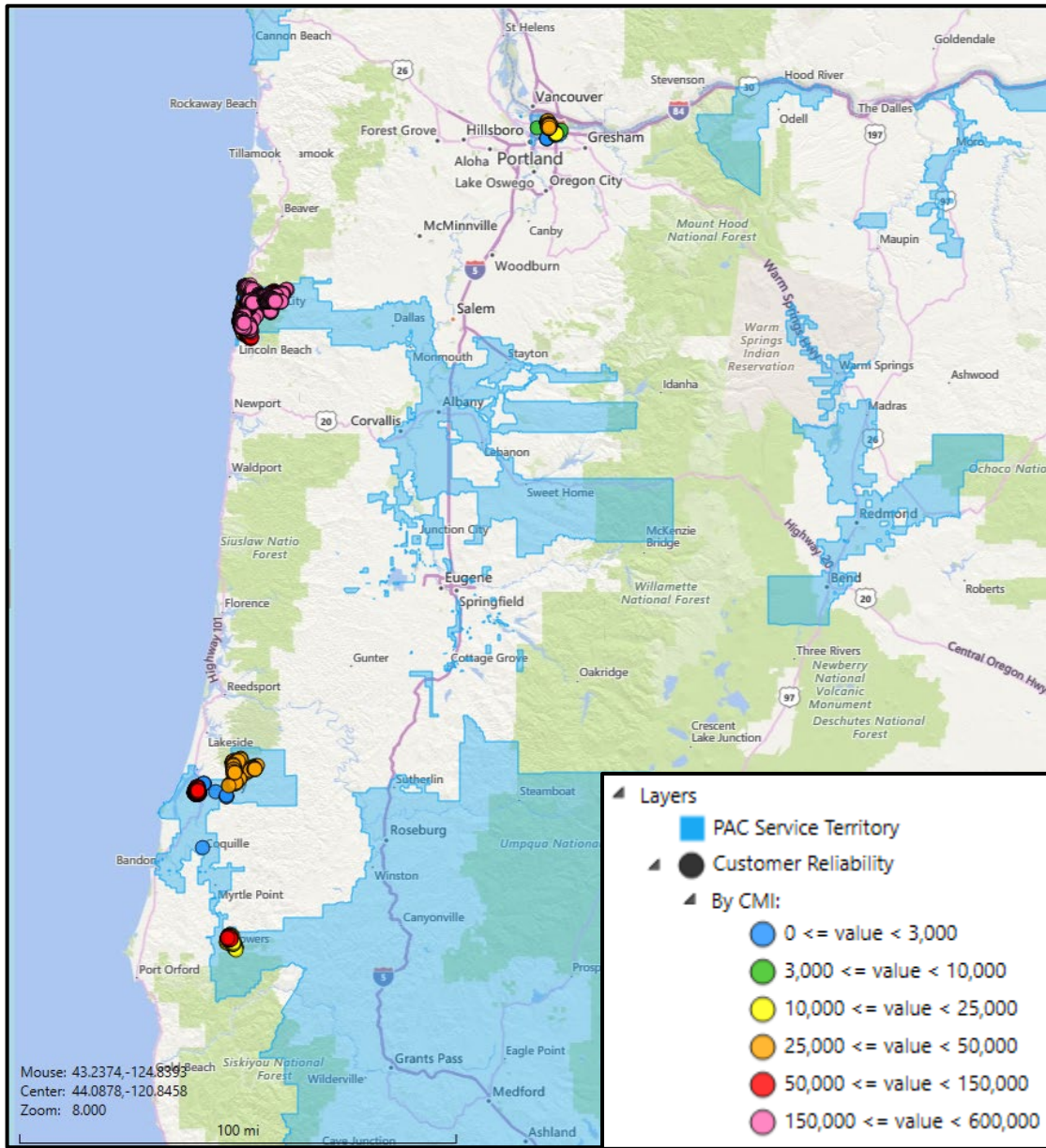


Lincoln City, Oregon 48 hour observed Snowfall end February 24, 2023

Area Outages and Restoration Details

On February 22, 2023, the coast of Oregon began seeing snowfall in the area. At the time the snow had minimal impact on reliability, however after continued snowfall the situation changed. The effects of the snow began damaging vegetation and impacting electric infrastructure. The snow accumulated on trees and caused branches and trees to give way, downing lines across the area. As the weather continued, further and continual impacts to electric infrastructure was experienced. During the event, tree crews cleared interfering vegetation while line crews followed, making repairs, and restoring customers. Approximately, 45% of customer minutes lost (CML) was related to tree damage and 41% related to weather with Lincoln City having the greatest impact at 90% of CML. The below figure shows the CML along the coast over the course of the major event.

Coast Plus CML February 22nd at 20:18 to February 24th at 14:00



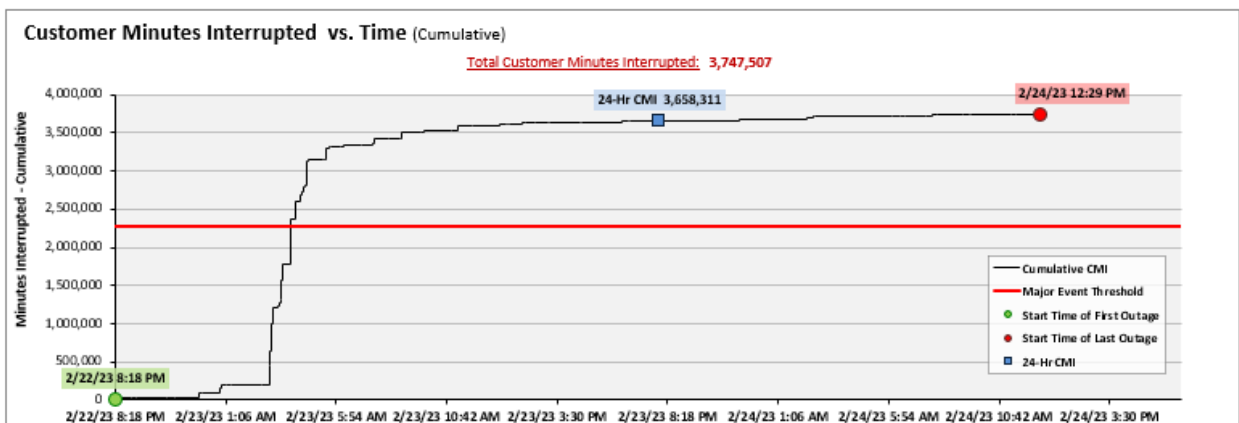
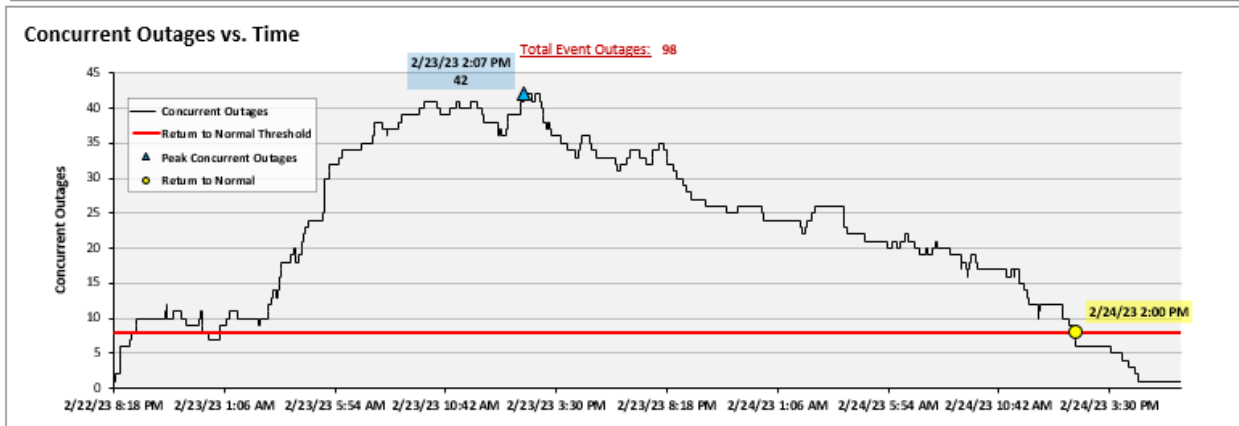
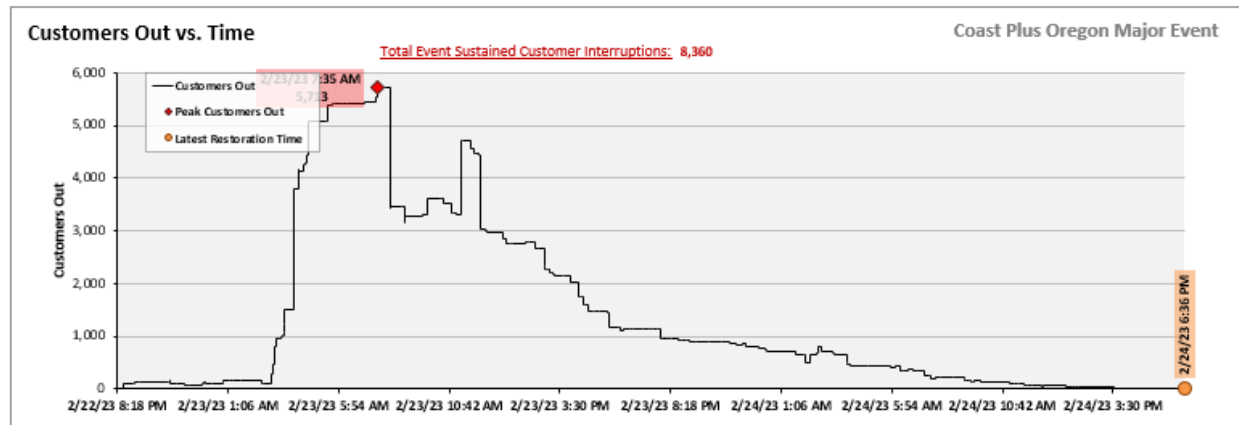
Restoration Intervals

Total Customer Sustained Outage Events	< 3 Hrs.	3 – 24 Hrs.	24+ Hrs.
8,360	2,148	5,891	321

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 Oregon as calculated annually by the company according to IEEE 1366-2022 methodology (commonly referred to as the 2.5 beta method). The company's 2022 Oregon reliability threshold is 4,723,224 customer minutes lost (7.50 Oregon SAIDI minutes) in a 24-hour period.

Event Details



SAIDI, SAIFI, CAIDI by Reliability Reporting Region
Please see the attached system-generated reports.

Attachment A

PacifiCorp Major Event Report
Customer Analysis

CoastPlus Oregon		Customer Analysis 2/22/2023 through 2/24/2023					Customers Restored by Intervals								Major Event Only - metric by operating area customer counts		
<i>PacifiCorp Major Events Report Customer Analysis*</i>		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	8,321	0%	3,712,425	97	2,054,233	-	2,143	5,857	321	-	-	-	26%	1.81	0.004	446
PP	Pacific Power	8,321	1%	3,712,425	97	812,454	-	2,143	5,857	321	-	-	-	26%	4.57	0.010	446
OR	Oregon	8,321	1%	3,712,425	97	629,398	-	2,143	5,857	321	-	-	-	26%	5.90	0.013	446
OR	CLATSOP (ASTORIA)																
OR	COOS BAY/COQUILLE	2,043	8%	334,368	21	26,193	-	1,478	565	-	-	-	-	72%	12.77	0.078	164
OR	HOOD RIVER																
OR	LINCOLN CITY	5,837	47%	3,319,661	60	12,424	-	313	5,203	321	-	-	-	5%	267.20	0.470	569
OR	PORTLAND	441	1%	58,396	16	86,563	-	352	89	-	-	-	-	80%	0.67	0.005	132

*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.

Data as of
3/7/2023

PacifiCorp Major Event Report

SSC by State Analysis

	CoastPlus Oregon	Event 02/22/23 through 02/24/23						Month 02/01/23 through 02/28/23						YTD FY2024 01/01/23 through 02/28/23					
		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	5.73	0.027	214	1.36	0.009	153	11.27	0.073	155	6.91	0.055	126	28.84	0.165	174	15.84	0.124	127
PP	Pacific Power	11.59	0.050	233	0.54	0.005	120	20.54	0.114	181	9.49	0.068	139	34.34	0.238	144	20.13	0.174	116
OR	Oregon	6.45	0.018	367	0.56	0.004	127	13.99	0.079	177	8.09	0.066	123	25.41	0.189	135	19.51	0.176	111
OR	CLATSOP (ASTORIA)	0.00	0.000	280	0.00	0.000	280	0.21	0.002	93	0.21	0.002	93	1.87	0.040	47	1.87	0.040	47
OR	COOS BAY/COQUILLE	0.53	0.003	163	0.00	0.000	86	0.73	0.005	154	0.20	0.002	134	1.65	0.010	170	1.11	0.006	173
OR	HOOD RIVER							0.04	0.000	196	0.04	0.000	196	0.15	0.001	165	0.15	0.001	165
OR	LINCOLN CITY	5.28	0.009	567	0.00	0.000	80	5.54	0.020	273	0.26	0.011	24	5.62	0.021	268	0.35	0.012	30
OR	PORTLAND	0.11	0.001	142	0.02	0.000	214	0.13	0.001	153	0.04	0.000	250	0.90	0.007	134	0.80	0.006	134

*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
3/7/2023