

Report to the Washington Utilities and Transportation Commission

Electric Service Reliability - Major Event Report

Event Date: September 20-21, 2023
Date Submitted: November 28, 2023
Primary Affected Locations: Walla Walla
Primary Cause: Lightning
Exclude from Reporting Status: Yes
Report Prepared by: Tia Solis
Report Approved by: Kevin Benson

Event Description and Restoration Summary

Event Outage Summary	
# Interruptions (sustained)	4
Total Customers Interrupted (sustained)	3,984
Total Customer Minutes Lost	281,634
State Event SAIDI	2.06 Minutes
CAIDI	71
Major Event Start	9/20/23 12:00 AM
Major Event End	9/21/23 12:00 AM

On the morning of September 20, 2023, Walla Walla, Washington experienced a SAIFI-based major event due to lightning. An area of low pressure moved into Oregon and Washington between September 19-20, allowing for a period of moderate rain to move from west to east across the service territory. This area of low pressure allowed for some minor instability to develop over southeastern Washington during the afternoon leading to the formation of isolated thunderstorms. Following the thunderstorms, crews found a recloser had fault amps and closed the device to restore customers. Later that evening, another outage occurred on distribution circuit 5W150 due to a bad cutout causing a pole fire. The circuit was carrying two loads at this time due to work on the substation.

Overall, three substations that feed three distribution circuits serving 3,984 customers were affected. Power was restored to affected customers within five hours. Bowman Substation had the most customer minutes lost totaling 237,707 across circuit 5W150. Figure 1 below is a graphical representation of the affected network by customer minutes lost.

To date, there have been no commission or company complaints concerning this major event.

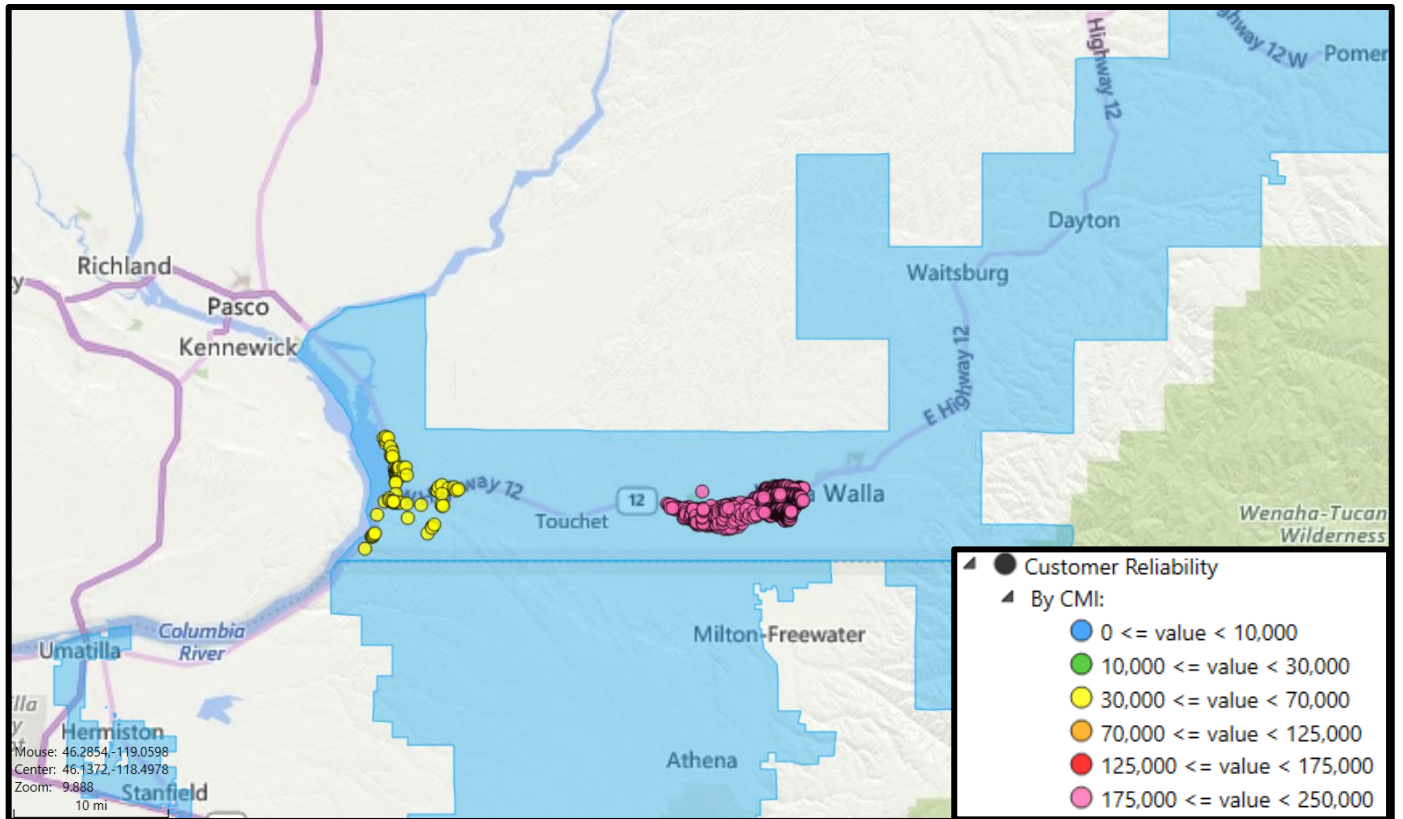


Figure 1. Major event outages.

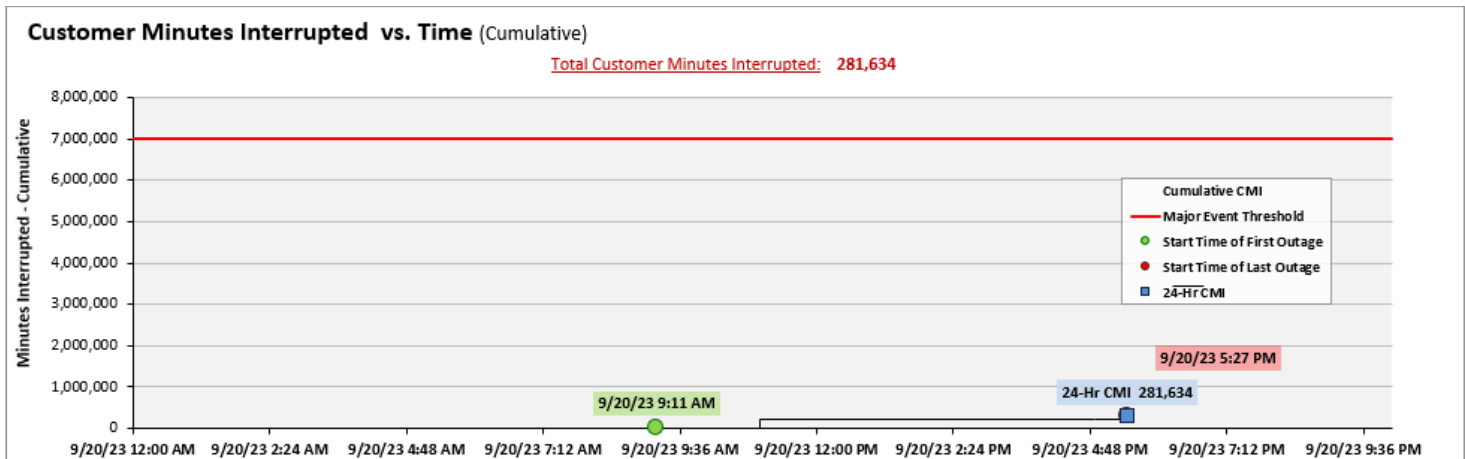
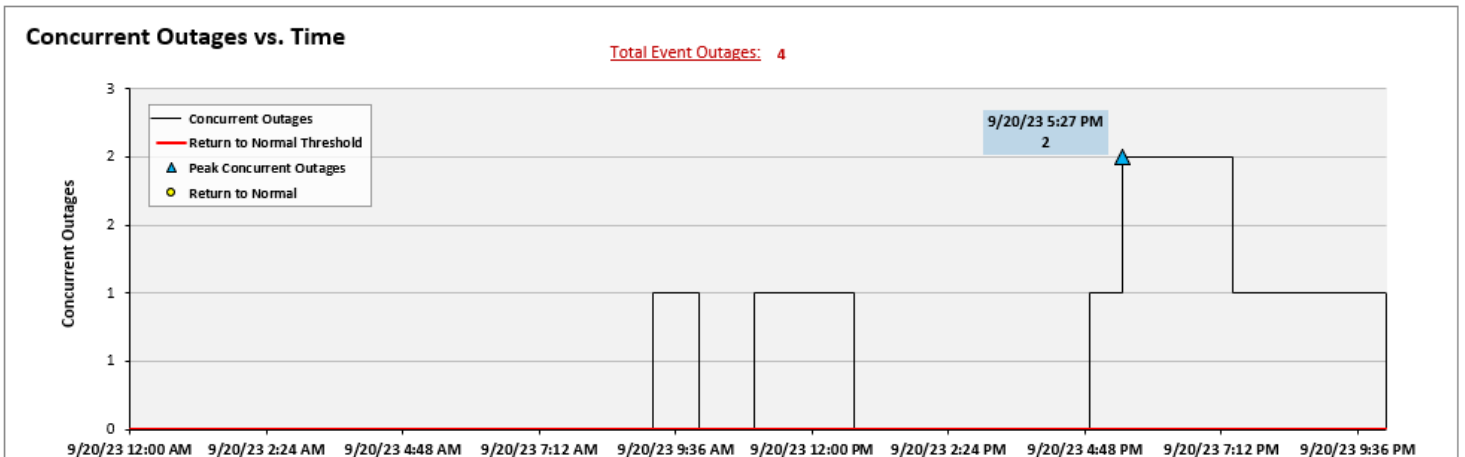
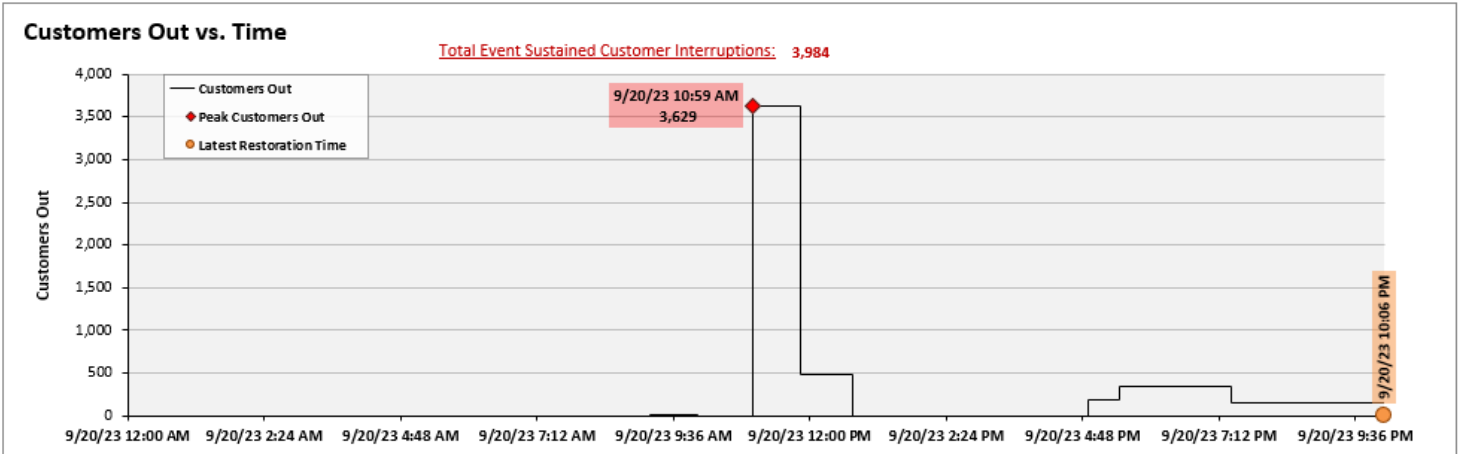
Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24-48 Hrs.
3,984	3,828	156	0

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 (3,984 customers were interrupted out of 28,161 Walla Walla operating area customers, or 14% of the operating area customers) simultaneously in a 24-hour period.

Event Detail¹



SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.

¹ Pacific Power's Walla Walla operating area includes a portion of Northeastern Oregon. The charts include impacts to both Washington and Oregon and as such the numbers therein are inflated. The total values reflect impacts to Washington and the detailed numbers within the graph reflect both Washington and Oregon.