

Report to the Washington Utilities and Transportation Commission

Electric Service Reliability - Major Event Report

Event Date: February 18-19, 2022
Date Submitted: May 5, 2023
Primary Affected Locations: Walla Walla
Primary Cause: Loss of Supply
Exclude from Reporting Status: Yes
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Report Approved by: Kevin Benson

Event Description and Restoration Summary

Event Outage Summary	
# Interruptions (sustained)	7
Total Customers Interrupted (sustained)	3,140
Total Customer Minutes Lost	64,379
State Event SAIDI	0.47 Minutes
CAIDI	21
Major Event Start	2/18/22 12:00 AM
Major Event End	2/19/22 12:00 AM

At 2:16 p.m. on February 18, 2022, Walla Walla, Washington, experienced a SAIFI-based major event due to a loss of supply outage. The event occurred after a car hit a pole affecting Mill Creek Substation causing transmission loss. This caused additional circuits to lose transmission. The fault tripped 5W120 circuit breaker which resulted in a loss of supply to distribution-fed substations Dayton and Waitsburg (via PacifiCorp 12.47kV distribution lines). Figure 1 below is a graphical representation of the affected network by duration of outages. Pacific Power immediately took quick actions to restore customers via alternate feeds.

Four substations lost feed to six distribution circuits serving a total of 3,140 customers. Power was restored within a total of fourteen hours. Mill Creek had the most customer minutes lost totaling 36,318. There were two circuits at Dayton Substation that had transmission loss resulting from Mill Creek Substation. Those two circuits lost a total of 17,814 customer minutes.

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

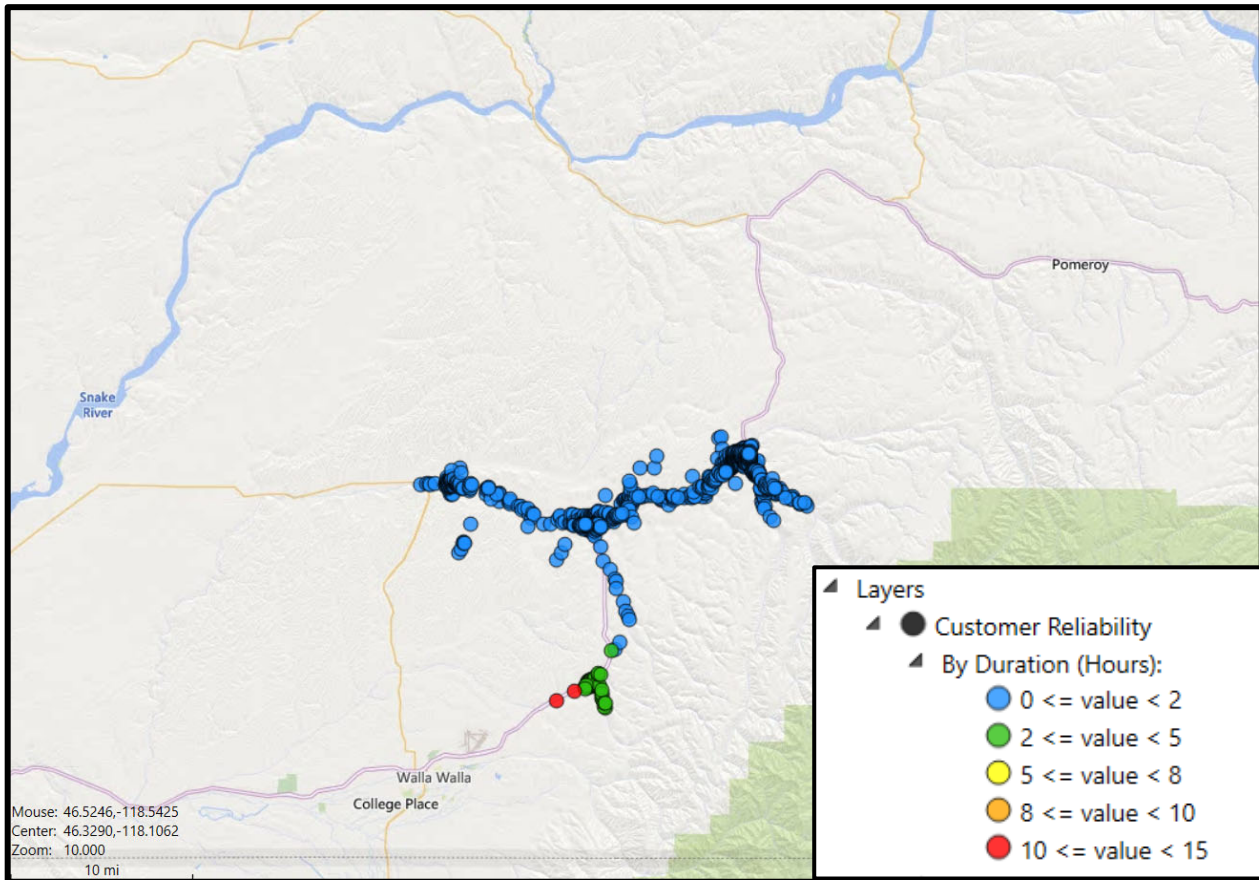


Figure 1. Major event outages.

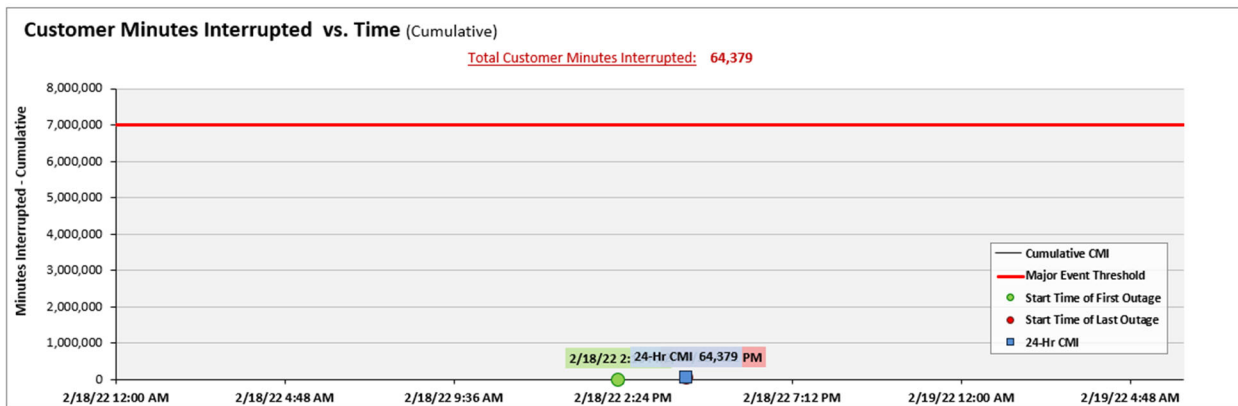
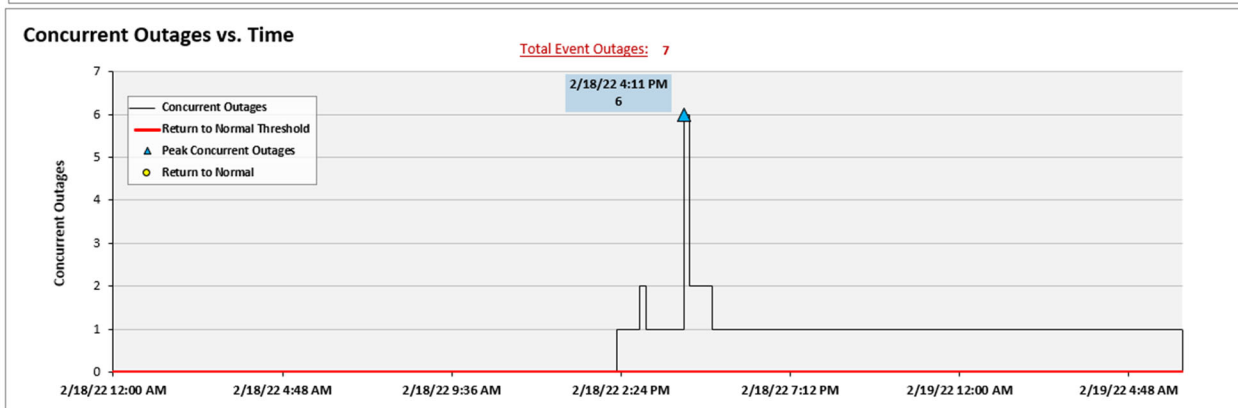
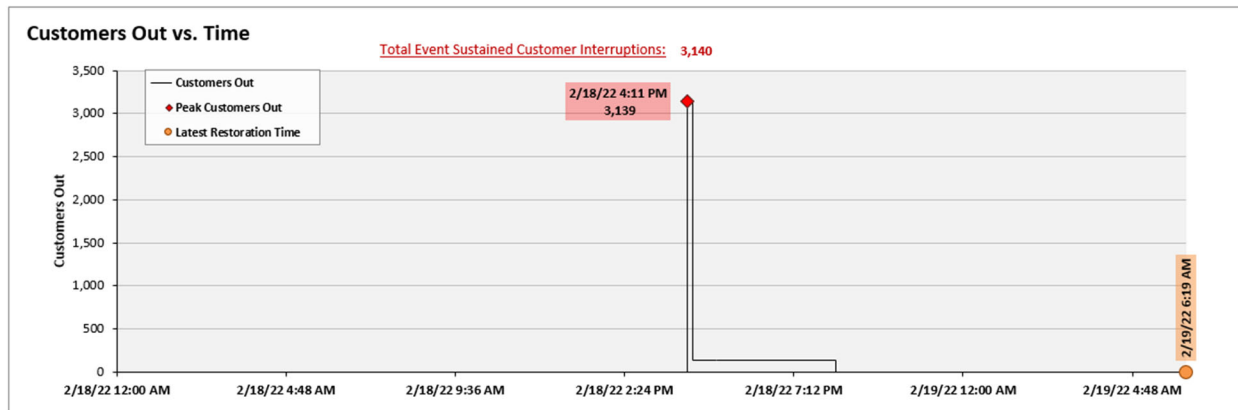
Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24-48 Hrs.
3,140	3,006	134	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 (3,140 customers were interrupted out of 28,298 Walla Walla operating area customers, or 11% of the operating area customers) simultaneously in a 24-hour period.

Event Detail



SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.