

Report to the Washington Utilities and Transportation Commission

Electric Service Reliability - Major Event Report

Event Date: January 21, 2024
Date Submitted: March 21, 2024
Primary Affected Locations: Sunnyside
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)	10
Total Customers Interrupted (sustained)	9,727
Total Customer Minutes Lost	230,110
State Event SAIDI	1.66
CAIDI	24
Major Event Start	1/21/24 12:00 AM
Major Event End	1/22/24 12:00 AM

At 5:26 p.m. on January 21, 2024, Sunnyside, Washington, experienced a SAIFI-based major event due to a loss of supply outage. There was a loss of supply from Midway (BPA) - North Bonneville (BPA) 230 kV line affecting Outlook substation. Midway (BPA) MCC reported a faulted section between North Bonneville (BPA) – Alfalfa (BPA) which impacted the Union Gap-Grandview 115 kV and Union Gap-Grandview Flint Tap 115 kV lines. The cause remains unknown. The fault tripped Outlook substation 2Y76 and 2Y80 circuit breakers and Sunnyside substation 2Y19 circuit breaker which resulted in a loss of supply to distribution-fed substations Toppenish and Punkin Center (via PacifiCorp 115kV transmission lines). Pacific Power immediately took quick actions to restore customers via alternate feeds.

The Toppenish Substation lost feed to six distribution circuits serving a total 5,690 customers for an average of 11 minutes, and the Punkin Substation lost feed to three circuits serving 2,467 customers for an average of 10 minutes. Flint substation and Sunnyside substation were also affected, each losing feed to one distribution circuit serving 985 customers and 585 customers, respectively. Sunnyside substation had the longest interruption at 210 minutes, while Flint substation lost feed for 13 minutes. In total the event impacted 9,727 customers, Figure 1 depicts the customer minutes interrupted.

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

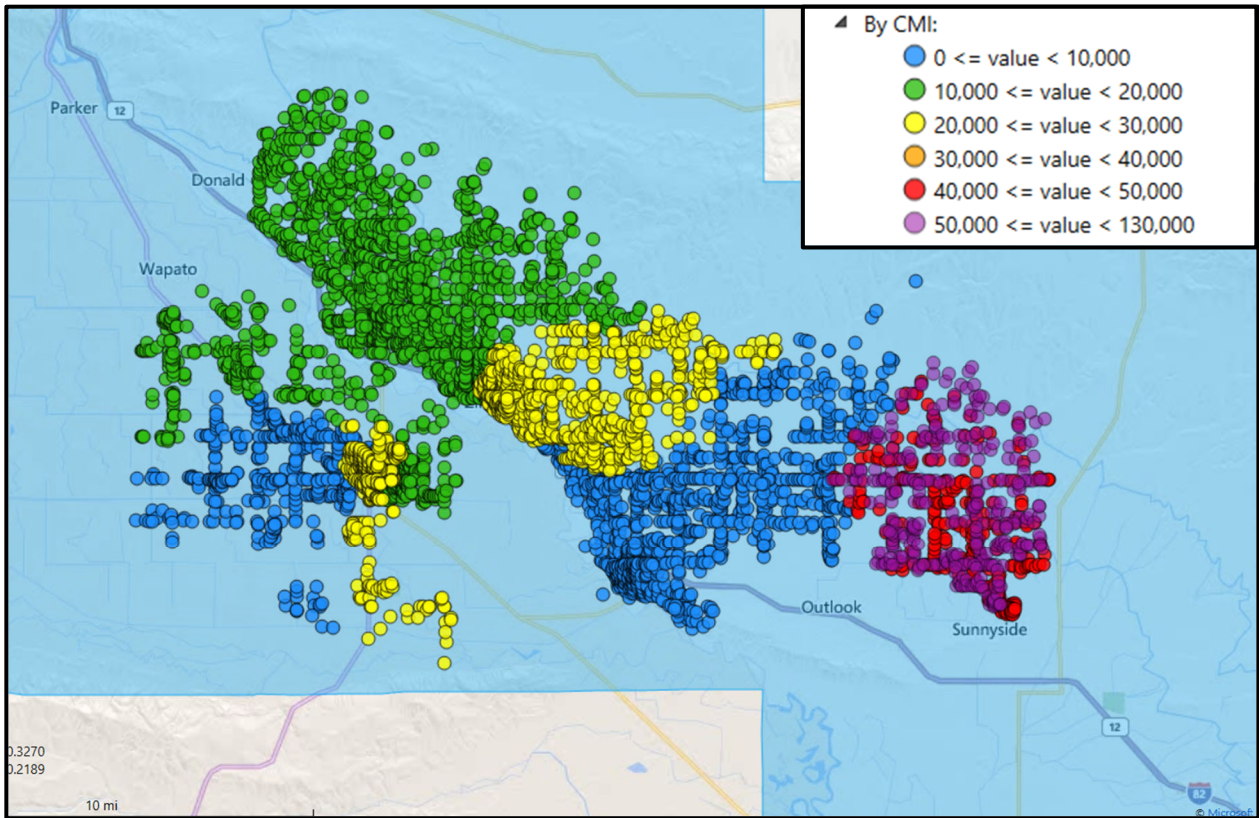


Figure 1. Sunnyside, WA CMI

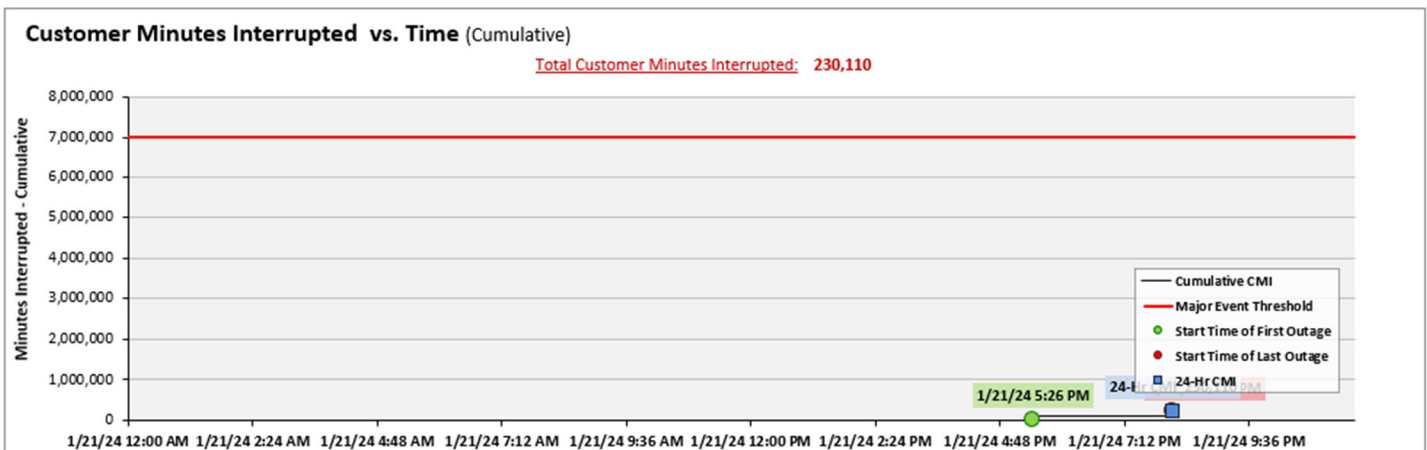
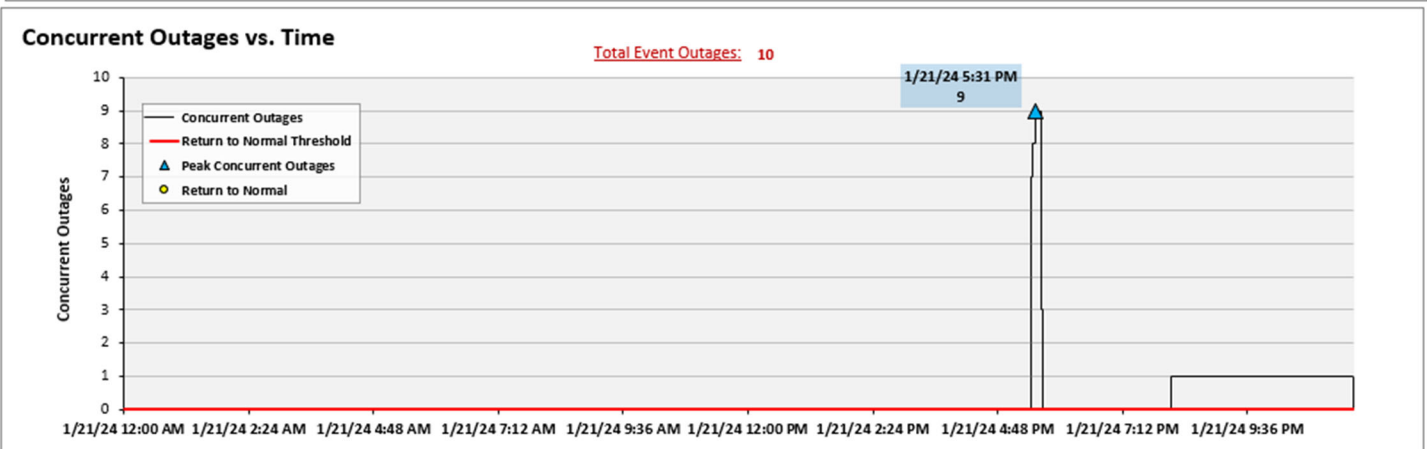
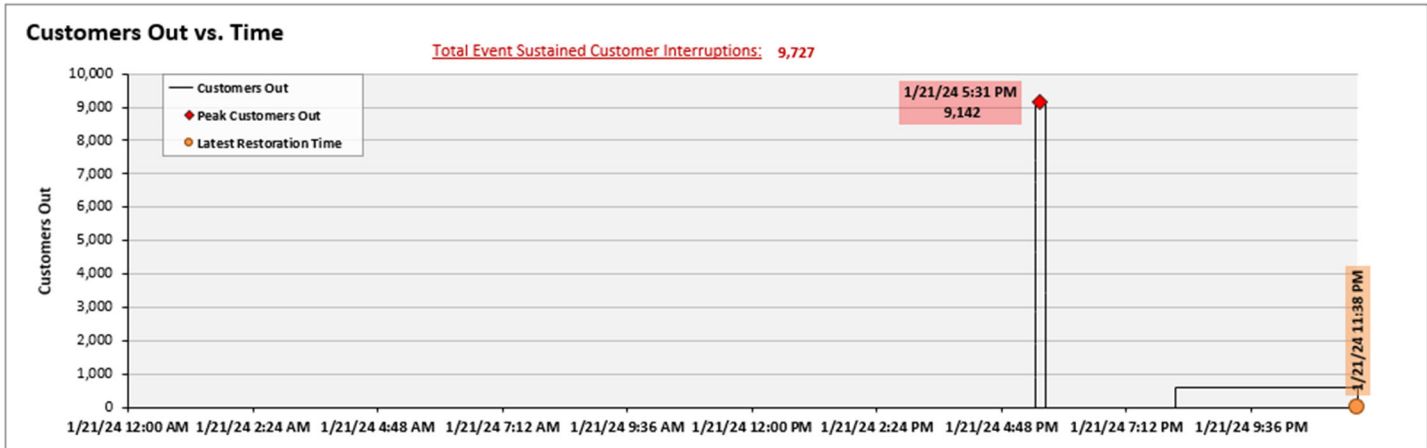
Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24-48 Hrs.
9,727	9,142	585	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 (9,727 customers were interrupted out of 25,465 Sunnyside operating area customers, or 38% 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.