

Report to the Washington Utilities and Transportation Commission

Electric Service Reliability - Major Event Report

Event Date: January 11, 2024
Date Submitted: March 21, 2024
Primary Affected Locations: Sunnyside
Primary Cause: Loss of Supply
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)	9
Total Customers Interrupted (sustained)	9,790
Total Customer Minutes Lost	401,617
State Event SAIDI	2.90
CAIDI	41
Major Event Start	1/11/24 12:00 AM
Major Event End	1/12/24 12:00 AM

At 10:30 p.m. on January 11, 2024, Sunnyside, Washington, experienced a SAIFI-based major event due to a loss of supply. The event occurred due to an unknown cause from Midway (BPA) - North Bonneville (BPA) 230 kV line that triggered a CRT Relay fail alarm at Outlook substation. The fault tripped Outlook substation 2Y76 and 2Y80 circuit breakers, dropping the transformer which resulted in a loss of supply to distribution-fed substations Toppenish and Punkin Center (via PacifiCorp 115kV transmission lines). At approximately 1:30 a.m. on January 12, Pacific Power investigated Outlook substation and found no issue with station equipment. Outlook substation was reenergized by 2:30 a.m.

The Toppenish Substation lost feed to six distribution circuits serving a total 5,690 customers for an average of 40 minutes, and the Punkin Substation loss feed to three circuits serving 4,100 customers for an average of 42 minutes. In total the event impacted 9,790 customers, Figure 1 depicts the customer minutes lost.

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

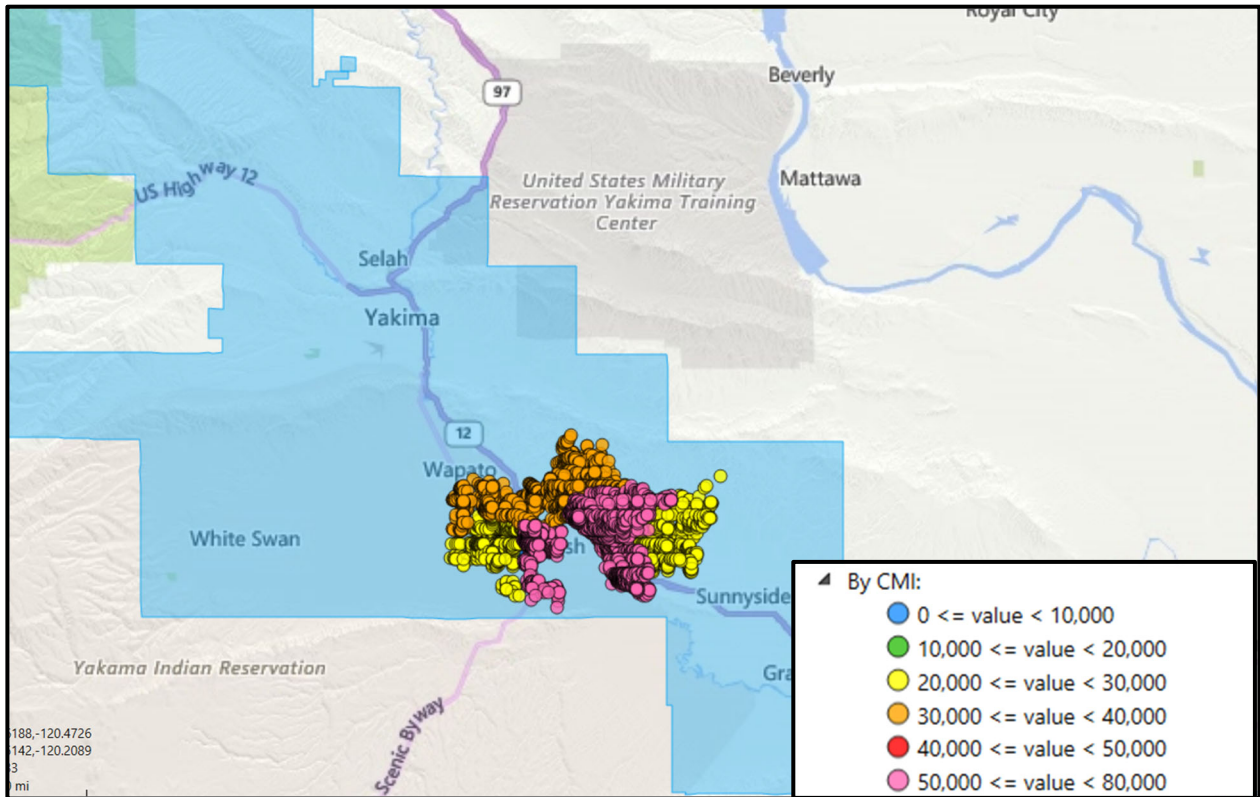


Figure 1. Sunnyside, WA CMI

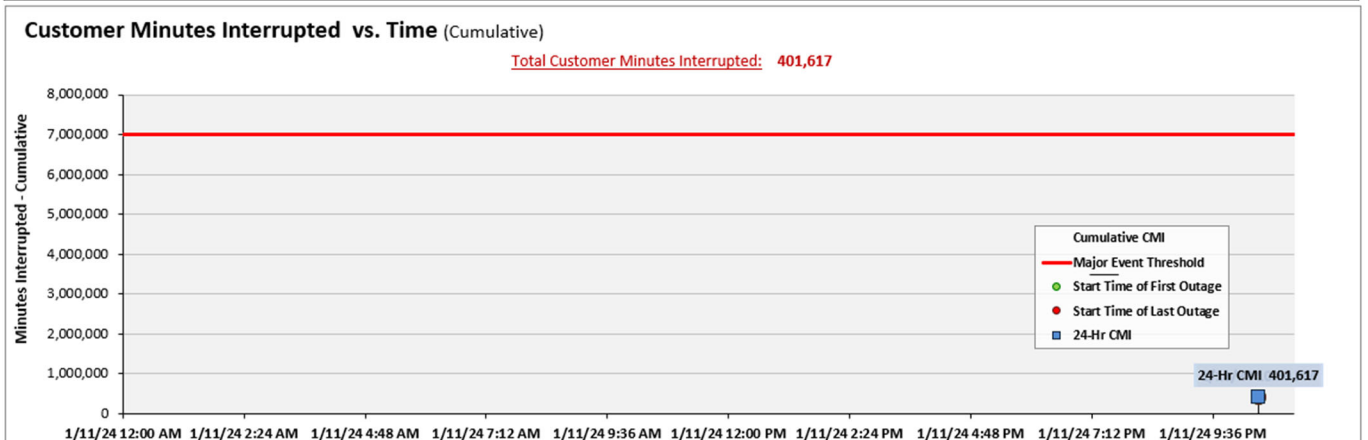
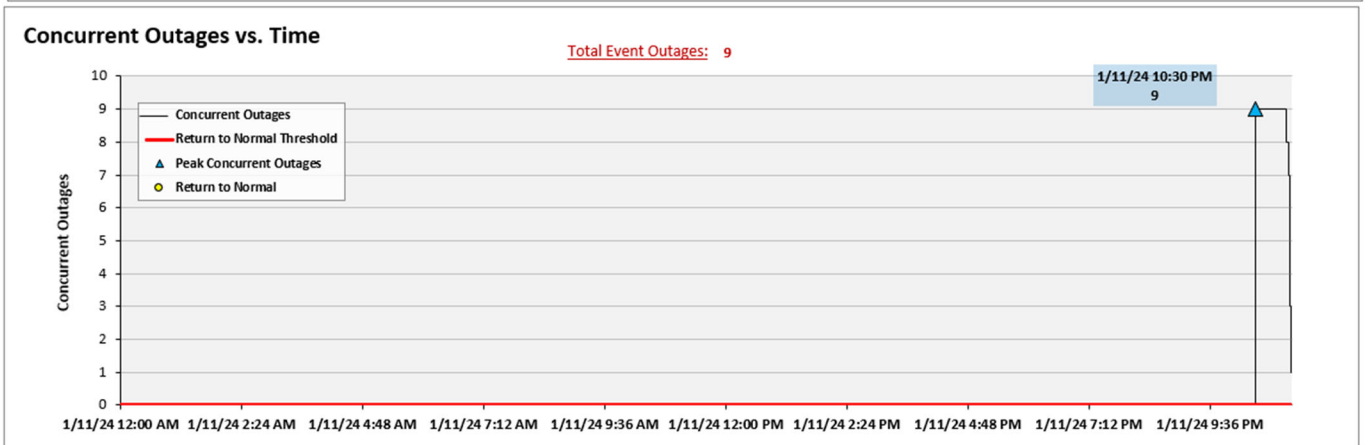
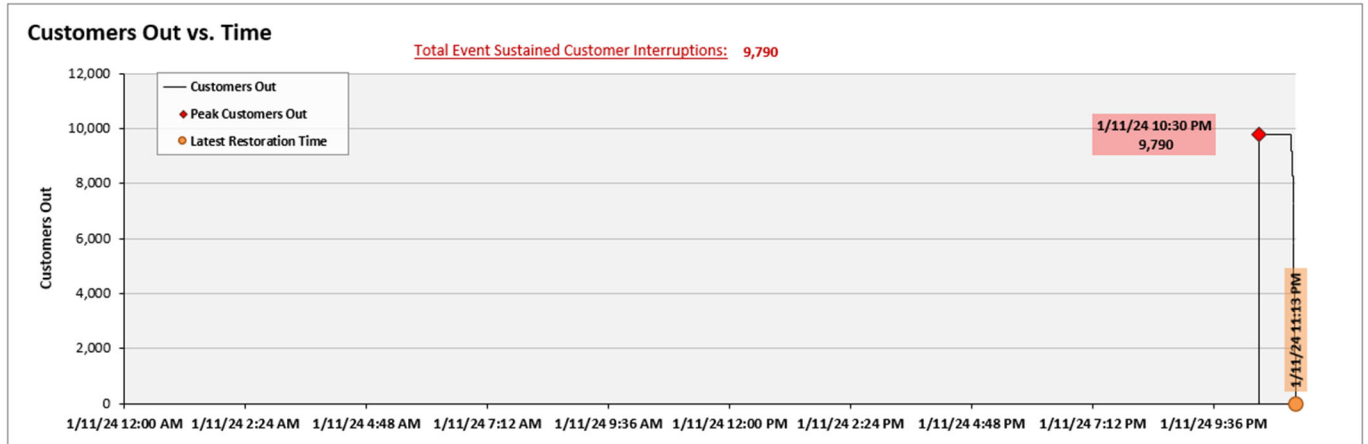
Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24-48 Hrs.
9,790	9,790	0	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 (9,790 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.