

**Report to the Washington Utilities and Transportation Commission**

**Electric Service Reliability - Major Event Report**

Event Date: January 3, 2022

Date Submitted: February 11, 2022

Primary Affected Locations: Sunnyside

Primary Cause: Loss of Supply

Exclude from Reporting Status: Yes

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Report Approved by: Heide Caswell / Mark Vanwinkle

**Event Description and Restoration Summary**

<b>Event Outage Summary</b>	
<b># Interruptions (sustained)</b>	12
<b>Total Customers Interrupted (sustained)</b>	10,079
<b>Total Customer Minutes Lost</b>	64,820
<b>State Event SAIDI</b>	0.47 Minutes
<b>CAIDI</b>	6
<b>Major Event Start</b>	1/3/22 12:00 AM
<b>Major Event End</b>	1/4/22 12:00 AM

At 6:42 p.m. on January 3, 2021, Sunnyside, Washington, experienced a SAIFI-based major event due to a loss of supply outage. The event occurred when Bonneville Power Administration (BPA) reported a fault, likely a falling tree briefly impacting the line, on its system 35 miles from the North Bonneville substation on the North Bonneville (BPA) – Outlook (PP) – Midway (BPA) 230 kilovolt (kV) transmission line. The fault tripped Outlook substation 2Y76 and 2Y80 circuit breakers which resulted in a loss of supply to distribution-fed substations Toppenish and Punkin Center (via PacifiCorp 115kV transmission lines). Figure 1 below is a graphical representation of the affected network. Pacific Power immediately took quick actions to restore customers via alternate feeds.

The Toppenish Substation lost feed to six distribution circuits serving a total of 6,025 customers for a total of six minutes, and the Punkin Substation loss feed to three circuits serving 4,046 customers for a total of seven minutes. In total the event impacted 10,071 customers. Figure 2 depicts the customers out and the duration.

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

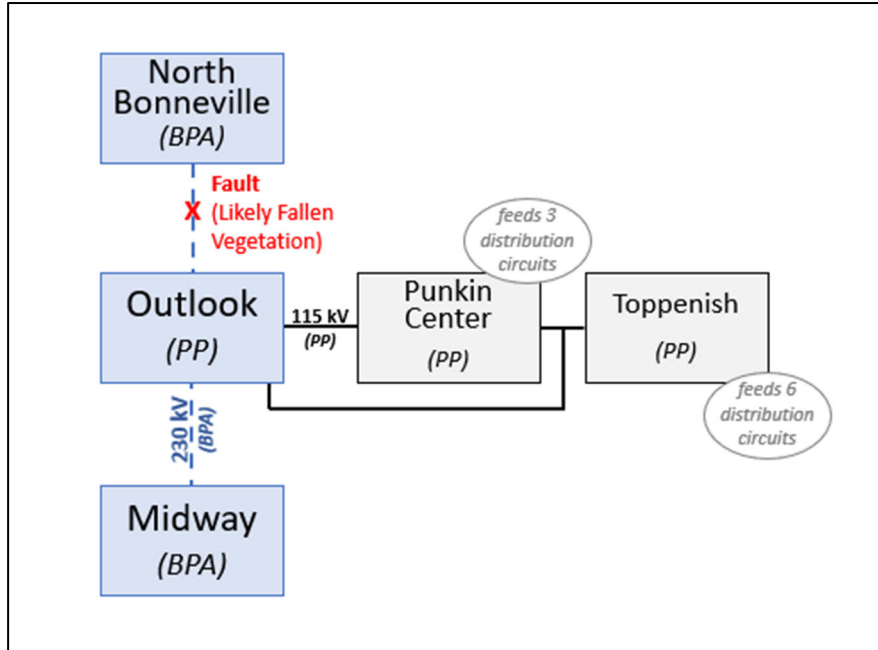


Figure 1. Affected system diagram

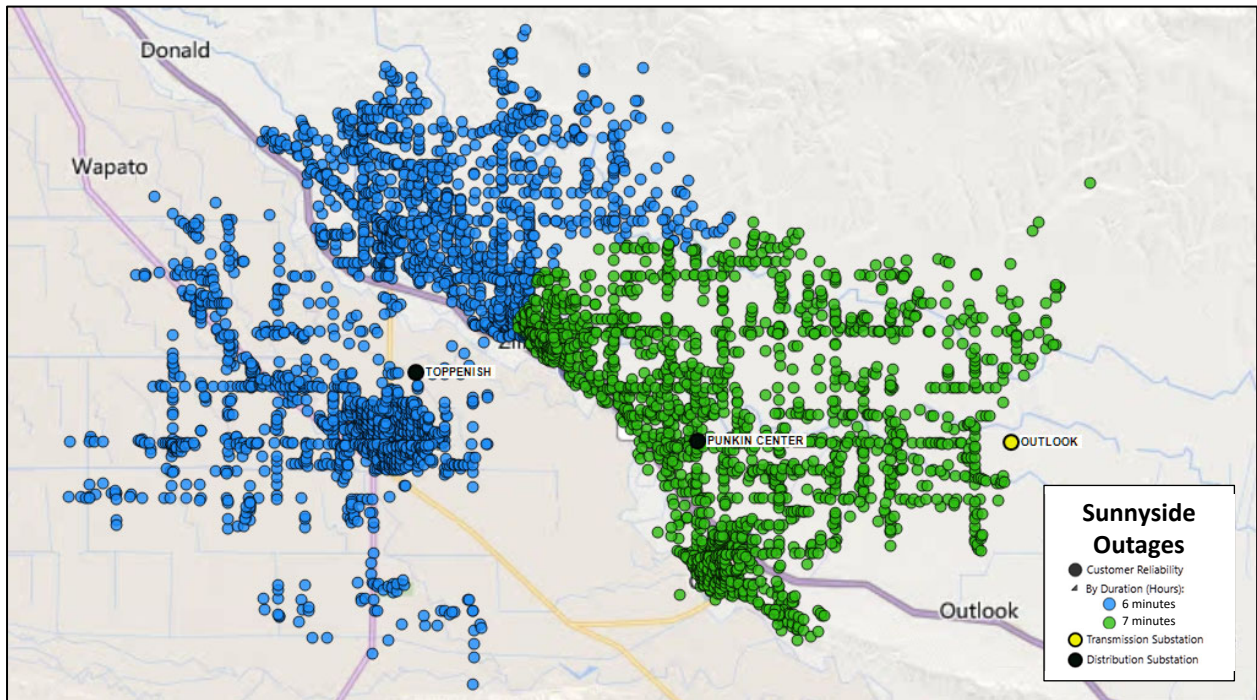


Figure 2. Sunnyside Major event outages.

### Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24-48 Hrs.
10,079	10,079	0	0

## Restoration Resources <sup>1</sup>

Personnel Resources	
Support Staff	1
Substation Manager	1
Relay Tech	1
<b>Total</b>	<b>3</b>

## State Estimated Major Event Costs

Estimate \$	Labor	Contracts	Material	Total
Capital	\$0	\$0	\$0	\$0
Expense	\$950	\$0	\$0	\$950
<b>Total</b>	<b>\$950</b>	<b>\$0</b>	<b>\$0</b>	<b>\$950</b>

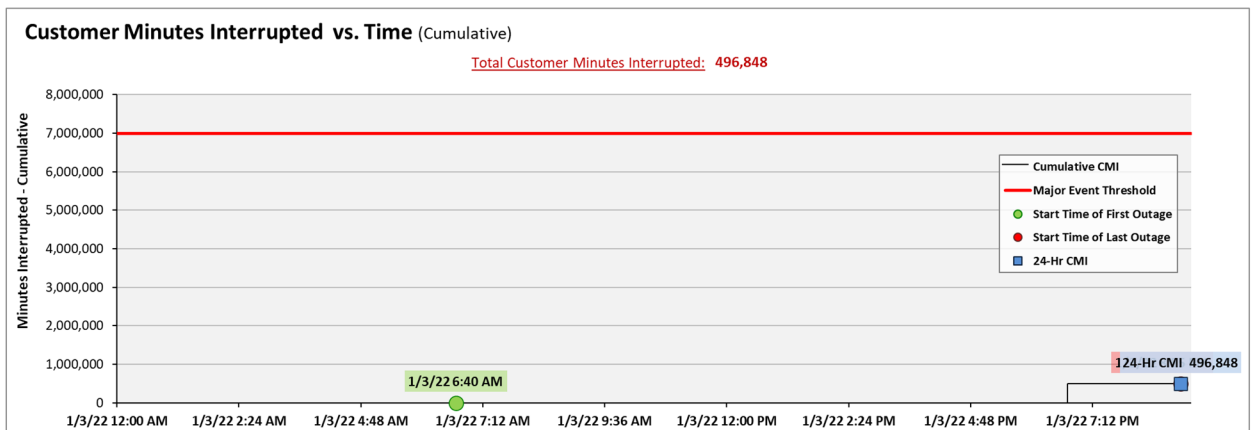
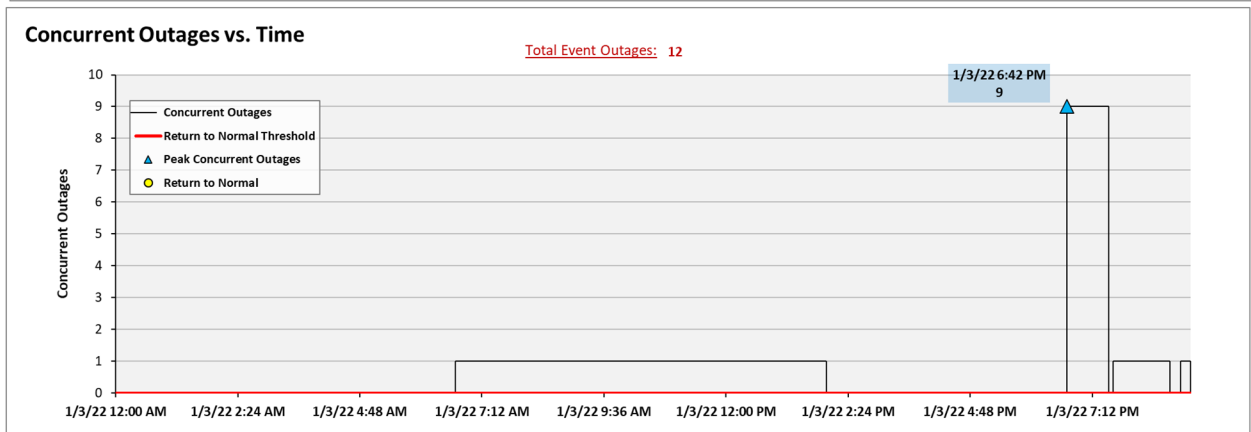
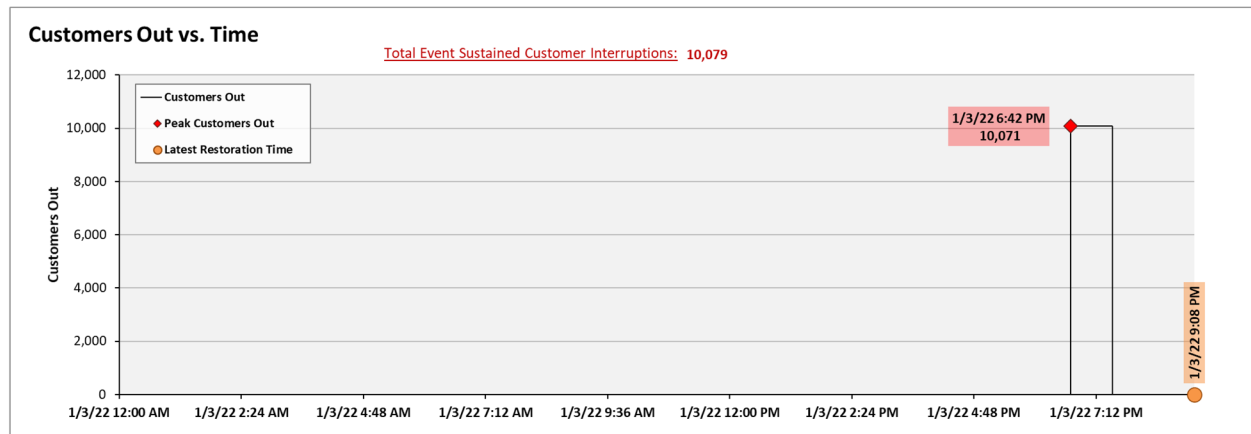
## Major Event Declaration

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 percent total operating area customers served sustained interruptions (10,079 customers were interrupted out of 25,132 Sunnyside operating area customers, or 40 percent of the operating area customers) simultaneously in a 24-hour period.

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<sup>1</sup> Data provided represents specific system records for personnel, resources, and costs; and is specific to the event, not inclusive of state delineation. However additional resources whose participation did not get individually captured in transaction recording systems may have been utilized during the event, thus the data presented here effectively understates the resources, including cost, involved in restoring the system to normal.

# Event Detail



## SAIDI, SAIFI, CAIDI by Reliability Reporting Region

Please see the attached system-generated reports.