

Report to the Washington Utilities and Transportation Commission

Electric Service Reliability - Major Event Report

Event Date: June 19, 2021
Date Submitted: August 3, 2021
Primary Affected Locations: Sunnyside
Primary Cause: Loss of Transmission Line
Exclude from Reporting Status: Yes
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Report Approved by: Heide Caswell / Carrie Laird

Event Description and Restoration Summary

Event Outage Summary	
# Interruptions (sustained)	8
Total Customers Interrupted (sustained)	6,463
Total Customer Minutes Lost	415,101
State Event SAIDI	3.03 Minutes
CAIDI	64
Major Event Start	6/19/21 12:00 AM
Major Event End	6/20/21 12:00 AM

On the afternoon of June 19, 2021, Sunnyside, Washington, experienced a SAIFI-based major event due to a fire that damaged a transmission line structure. The fire began when a farmer burning a debris pile stepped away from the burn, and upon returning found the nearby transmission structure was on fire. A patrolman was quickly dispatched to the substation where they were able to switch to an alternative feed, restoring customers and de-energizing the damaged equipment. The outage affected six feeders from the Grandview substation, serving 6,242 customers for a duration of one hour four minutes.

Permanent repairs to the damaged structure were made by a contractor and post construction the system feeds were returned to normal.

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

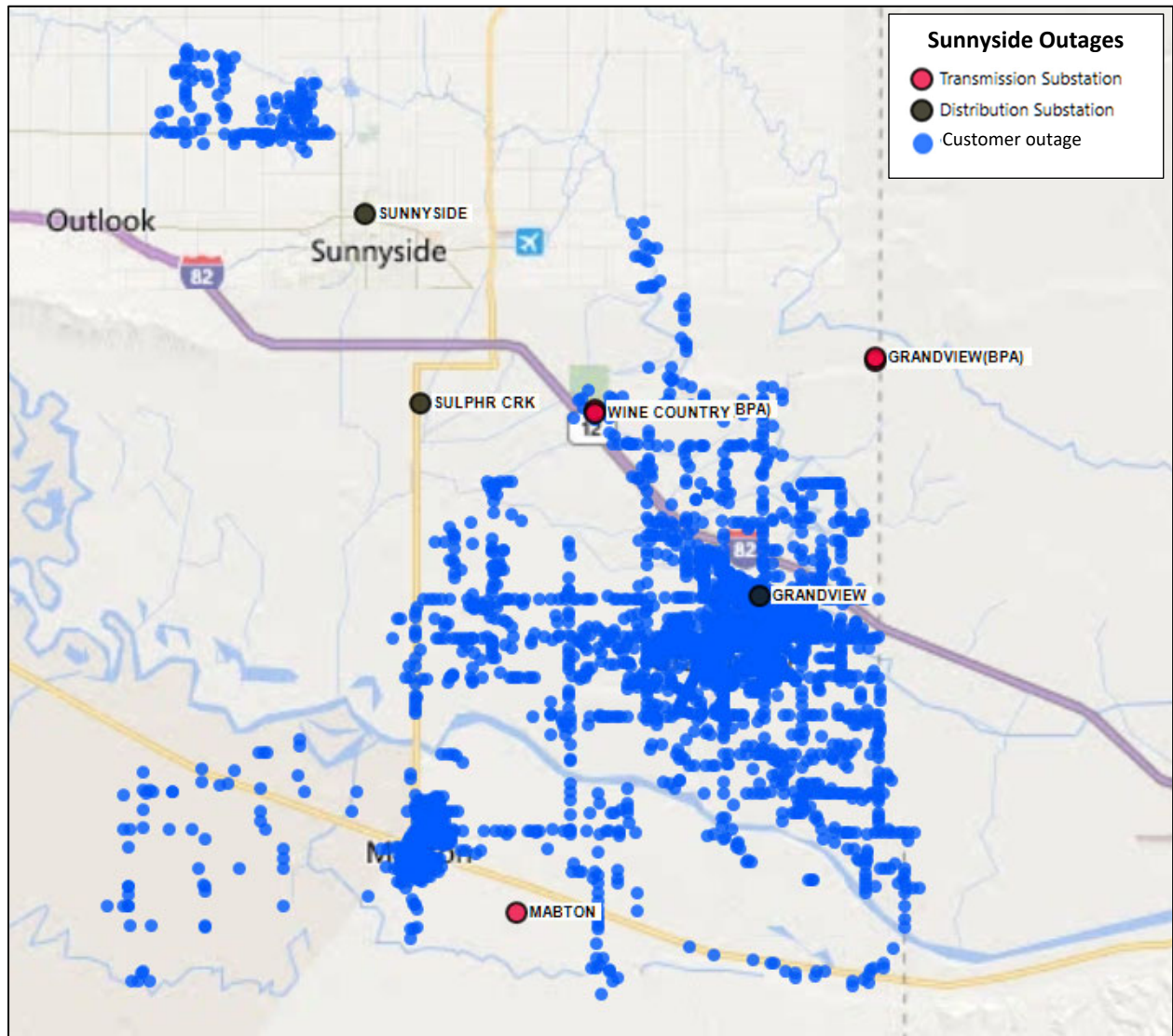


Figure 1. Sunnyside Major event outages.

Restoration Intervals

Total Customers Sustained	< 3 Hrs.	3 - 24 Hrs.	24-48 Hrs.
6,463	6,453	10	0

Restoration Resources ¹

Personnel Resources	
Internal Crewman	6
External Crewman	5
Substation crewmembers	1
Administrative	1
Total	13

Materials	
Poles	2
Insulators	3

State Estimated Major Event Costs

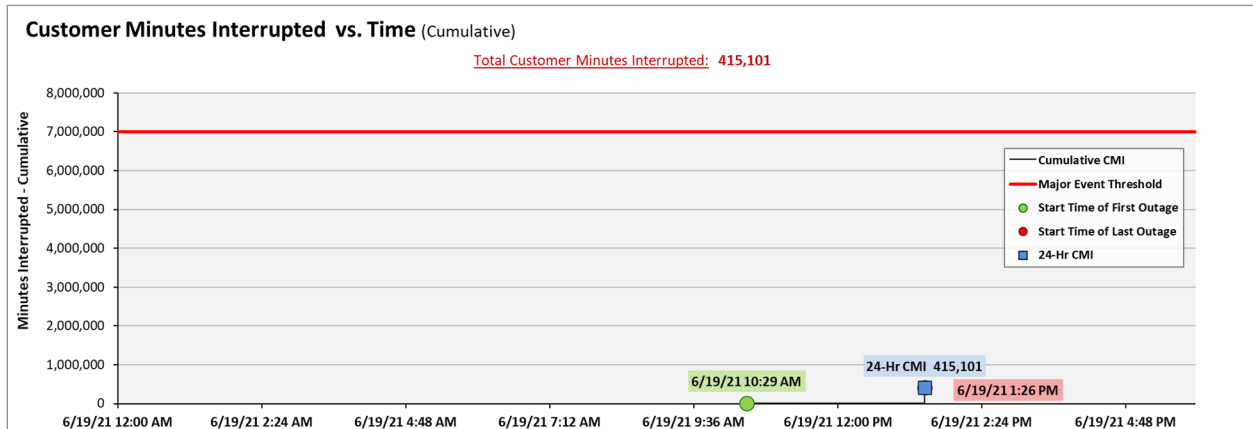
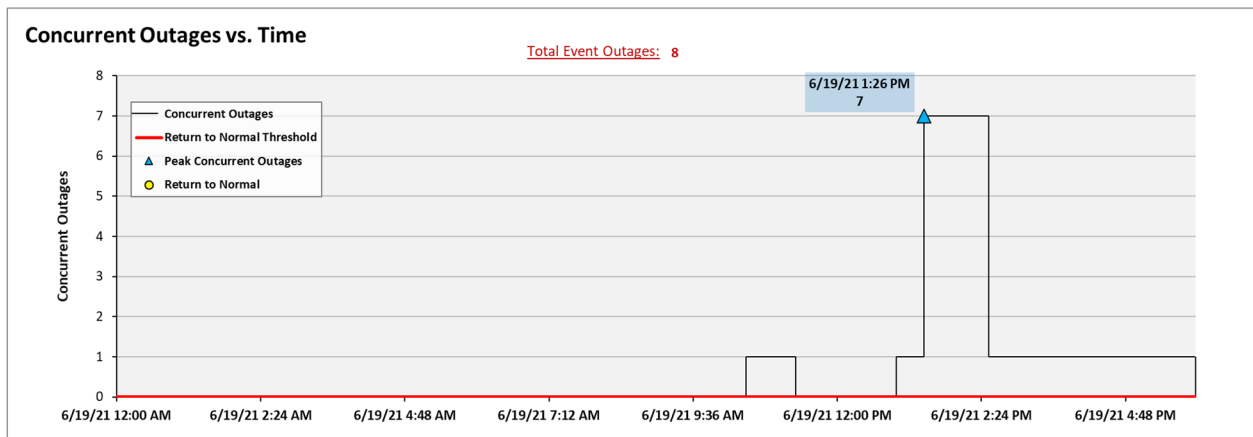
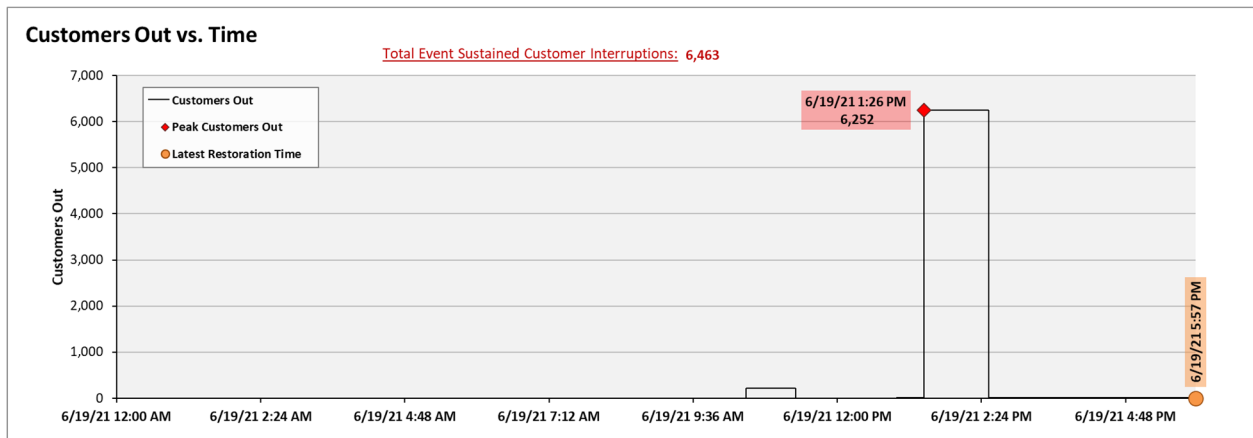
Estimate \$	Labor	Contracts	Material	Overhead	Total
Capital	\$12,908	\$25,907	\$7,593	\$7,980	\$54,388
Expense	\$0	\$0	\$0	\$0	\$0
Total	\$12,908	\$25,907	\$7,593	\$7,980	\$54,388

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 (6,252 customers were interrupted out of 24,993 Sunnyside operating area customers, or 25% of the operating area customers) simultaneously in a 24-hour period.

¹ 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.