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| Report to the Washington Utilities and Transportation Commission Electric Service Reliability - Major Event Report |
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|--------------------------------|---|
| Event Date: | August 26, 2018 |
| Date Submitted: | October 4, 2018 |
| Primary Affected Locations: | Sunnyside |
| Primary Cause: | Loss of Feed from Supplier |
| Exclude from Reporting Status: | Yes |
| Report Prepared by: | April Brewer |
| Report Approved by: | Heide Caswell / JD Podlesnik / David O’Neil / Pablo Arronte |

Event Description and Restoration Summary

At 5:25 a.m., on August 26th, Sunnyside, Washington, experienced a system average interruption frequency index (SAIFI)-based¹ major event when the Bonneville Power Administration (BPA) experienced a trip and reclose on their 230 kV line. The event tripped breakers at the Outlook Substation, causing a loss of feed to Punkin Center and Toppenish substations. The outage affected nine circuits serving 10,029 customers, approximately 41% of Sunnyside total customers served. With no automatic reclosing at the substation, Region System Operations (RSO) worked to coordinate restoration activities with field personnel and BPA. At 5:33 a.m. the RSO operator restored power to Punkin Center substation and two circuits fed from Toppenish substation, restoring power to 5,885 customers. At 5:44 a.m. the RSO operator energized power to an additional circuit fed from Toppenish substation, restoring power to 635 customers. At 6:01 a.m. the field personnel arrived at Toppenish substation and began closing the remaining circuit breakers, completing the restoration process for the remaining 3,509 customers by 6:06 a.m.

| Event Outage Summary | |
|---|------------------|
| # Interruptions (sustained) | 9 |
| Total Customer Interrupted (sustained) | 10,029 |
| Total Customer Minutes Lost | 196,638 |
| State Event SAIDI | 1.45 Minutes |
| CAIDI | 20 |
| Major Event Start | 8/26/18 12:00 AM |
| Major Event End | 8/27/18 12:00 AM |

¹ A SAIFI-based major event threshold (as identified in PacifiCorp’s reporting plan, pursuant to Washington Administrative Code (WAC) 480-100-393 & 398 Electric Reliability Annual Monitoring and Reporting Plan) is defined as an event in which more than 10% of an operating area’s customers are simultaneously without service as a result of a sustained interruption. Sunnyside operating area’s Calendar 2018 Frozen Customer Count is 24,752 customers.

Restoration Intervals

| Total Customers Sustained | < 3 Hrs. | 3 - 24 Hrs. | 24+ Hrs. |
|---------------------------|----------|-------------|----------|
| 10,029 | 10,029 | 0 | 0 |

Restoration Resources ²

| Personnel Resources | |
|-------------------------------|----------|
| Internal Local Crewmembers | 2 |
| Internal Regional Crewmembers | 2 |
| Substation Crewmembers | 2 |
| Lineman | 2 |
| TOTAL | 8 |

State Estimated Major Event Costs ²

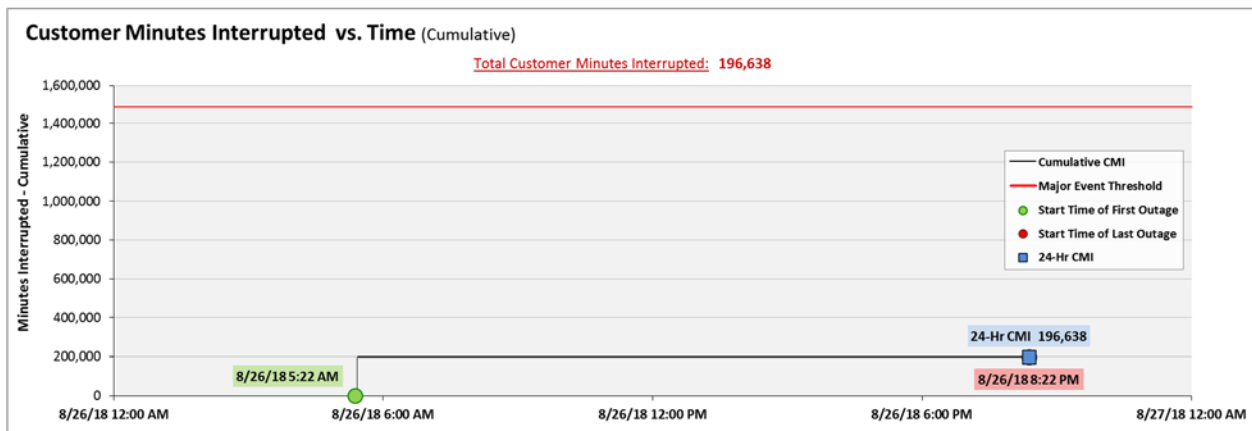
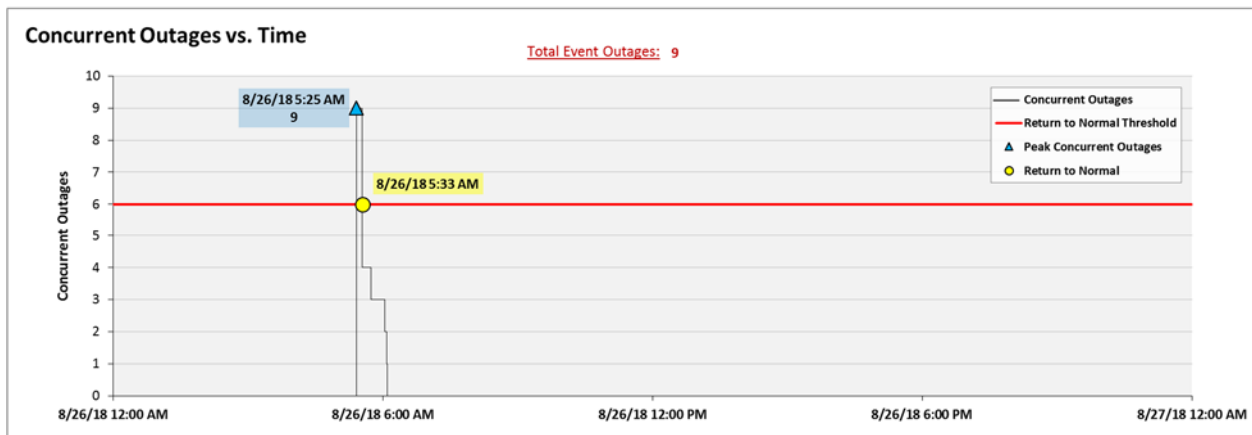
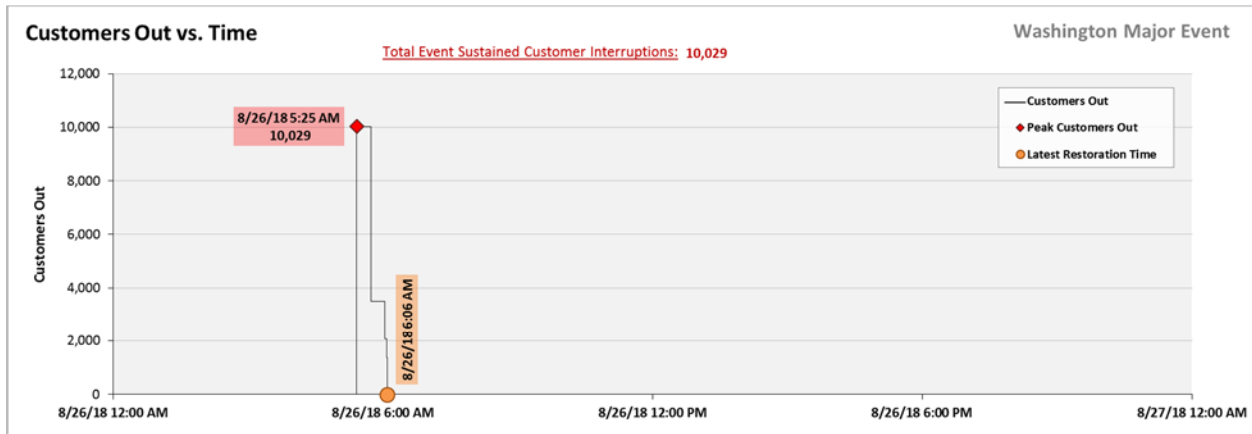
| Estimate \$ | Labor | Material | Overheads | Total |
|--------------|----------------|------------|-------------|----------------|
| Capital | \$0 | \$0 | \$0 | \$0 |
| Expense | \$1,761 | \$0 | \$94 | \$1,855 |
| Total | \$1,761 | \$0 | \$94 | \$1,855 |

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 (10,029 customers were interrupted out of 24,752 Sunnyside operating area customers, or 41% of the operating area customers) simultaneously in a 24-hour period.

² 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 were 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.