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| <b>Report to the Washington Utilities and Transportation Commission</b> |
| <b>Electric Service Reliability - Major Event Report</b>                |

|                                |   |
|--------------------------------|---|
| Event Date:                    | May 6, 2018   |
| Date Submitted:                | June 14, 2018   |
| Primary Affected Locations:    | Sunnyside   |
| Primary Cause:                 | Loss of Supply-Lightning Caused                             |
| 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 4:17 P.M., on May 6, 2018, Sunnyside, Washington, experienced a system average interruption frequency index (SAIFI)-based<sup>1</sup> major event when the Bonneville Power Administration (BPA) experienced a trip and reclose on their 230 kV line. The event tripped breakers at Outlook Substation, causing a loss of feed to Punkin Center and Toppenish substations. The outage affected nine circuits serving 9,974 customers, approximately 40% of Sunnyside total customers served, for a total of seven minutes. Operations support personnel quickly coordinated between the distribution dispatch, Grid Operations and BPA, and were able to restore power at 4:23 P.M. During the event central Washington experienced a lightning storm which was the suspected cause of the initial trip and reclose experienced by BPA. In addition to the loss of supply event, the company recorded several other storm-caused outages in the area.

| Event Outage Summary                          |                 |
|---|-----------------|
| <b># Interruptions (sustained)</b>            | 14              |
| <b>Total Customer Interrupted (sustained)</b> | 9,979           |
| <b>Total Customer Minutes Lost</b>            | 66,548          |
| <b>State Event SAIDI</b>                      | 0.49 Minutes    |
| <b>CAIDI</b>                                  | 7               |
| <b>Major Event Start</b>                      | 5/6/18 12:00 AM |
| <b>Major Event End</b>                        | 5/7/18 12:00 AM |

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<sup>1</sup> 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. |
|---------------------------|----------|-------------|----------|
| 9,979                     | 9,977    | 2           | 0        |

## Restoration Resources

| Personnel Resources        |           |
|----------------------------|-----------|
| Internal Local Crewmembers | 4         |
| Line Crewman               | 4         |
| Foreman                    | 2         |
| Lineman Foreman            | 2         |
| Lineman Journeyman         | 2         |
| <b>TOTAL</b>               | <b>14</b> |

| Materials      |   |
|----------------|---|
| # Transformers | 4 |
| # Crossarms    | 1 |
| Insulators     | 6 |
| Cutouts        | 6 |
| Line Splices   | 1 |

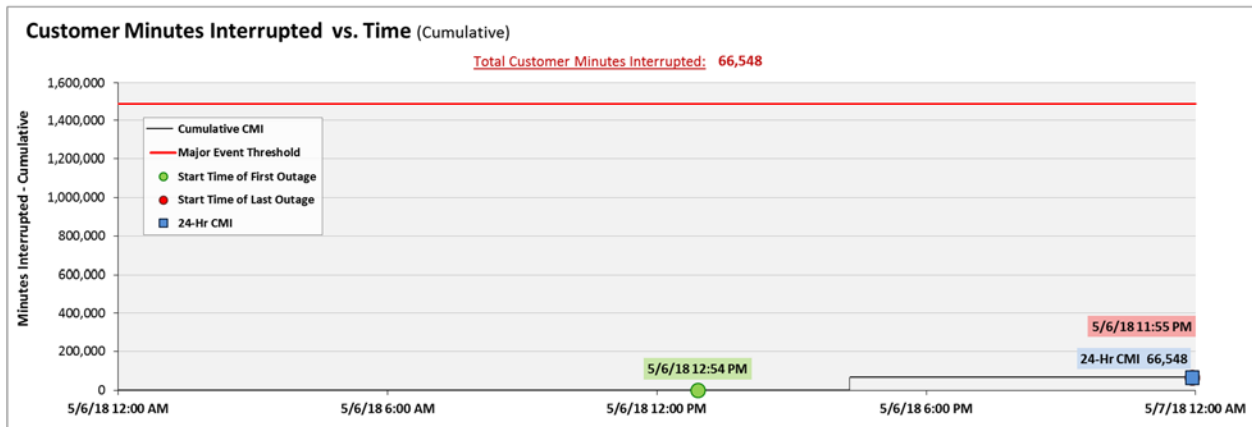
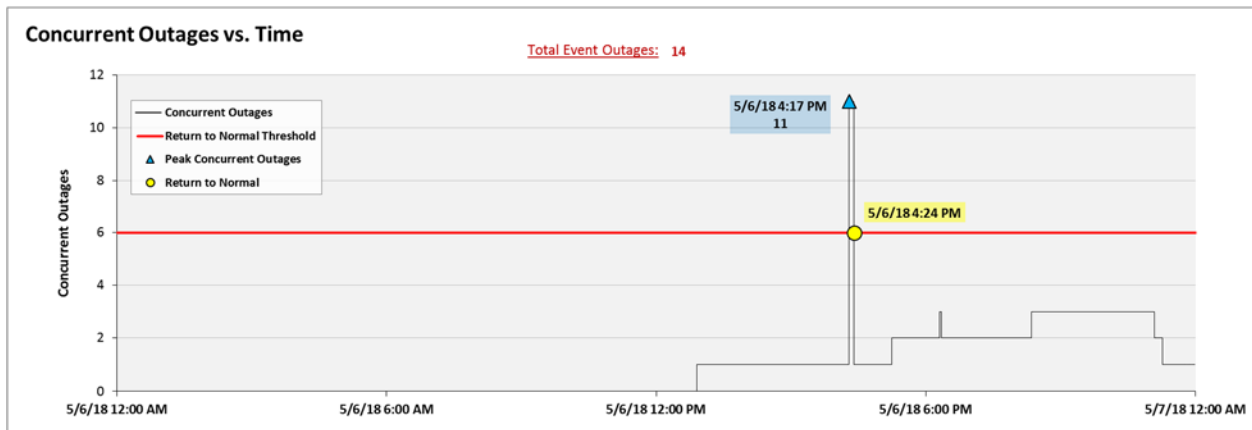
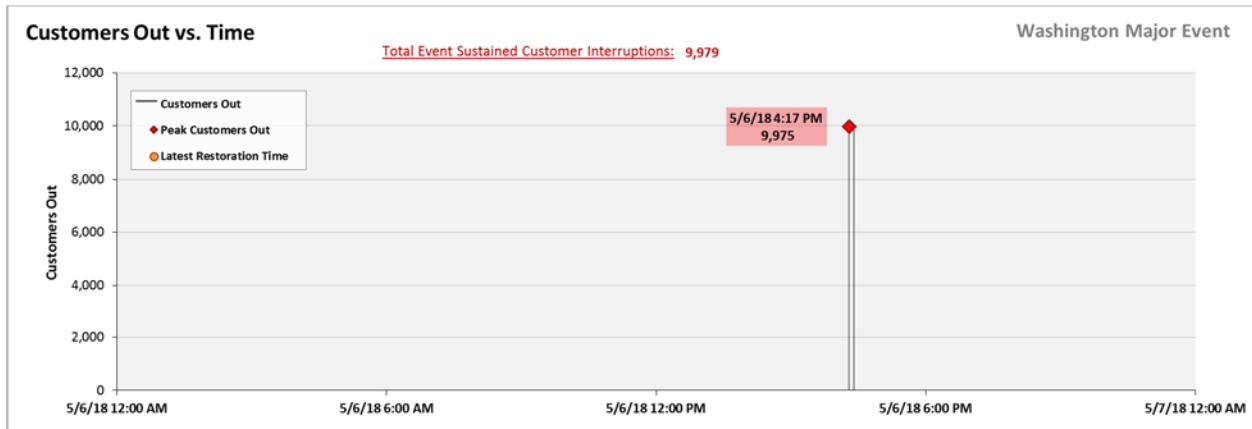
## State Estimated Major Event Costs

| Estimate \$  | Labor          | Material       | Overheads      | Total           |
|--------------|----------------|----------------|----------------|-----------------|
| Capital      | \$5,866        | \$5,083        | \$1,129        | <b>\$12,078</b> |
| Expense      | \$0            | \$0            | \$0            | <b>\$0</b>      |
| <b>Total</b> | <b>\$5,866</b> | <b>\$5,083</b> | <b>\$1,129</b> | <b>\$12,078</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% total operating area customers served sustained interruptions (9,974 customers were interrupted out of 24,752 Sunnyside operating area customers, or 40% 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.