Report to the Washington Utilities and Transportation Commission

## Electric Service Reliability - Major Event Report

# Event Date: November 18, 2016

Date Submitted: January 12, 2017

Primary Affected Locations: Yakima

Primary Cause: Loss in Transmission

Exclude from Reporting Status: Yes

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Report Approved by: Heide Caswell / Kevin Putnam / David O’Neil / Steve Henderson

**Event Description**

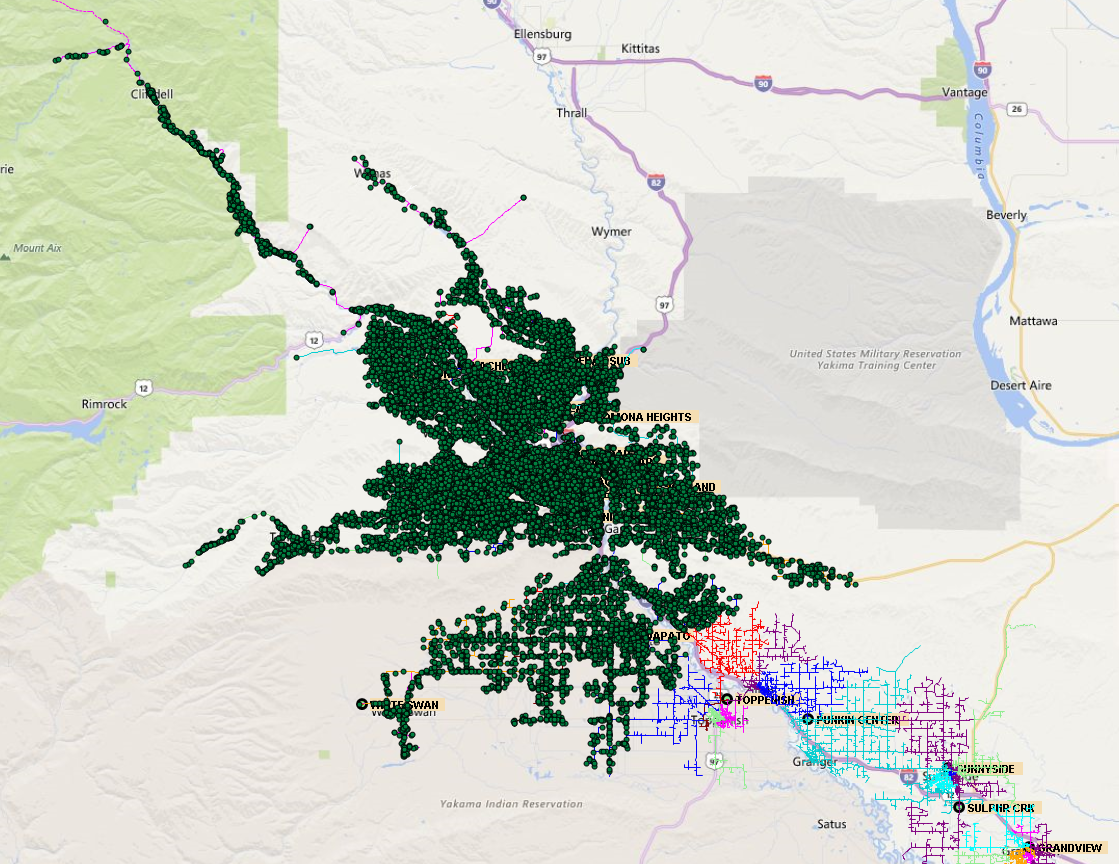
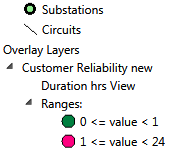
On November 18, 2016, Yakima, Washington, experienced a system average interruption frequency index (SAIFI)-based major event when the relay system tripped the 115 kV line feed from Pomona Substation to the Tieton Substation. The outage affected 15,762[[1]](#footnote-1) customers; approximately 20% of the Yakima operating area’s customers.

|  |  |
| --- | --- |
| **Event Outage Summary** | |
| **# Interruptions (sustained)** | 20 |
| **Total Customer Interrupted (sustained)** | 15,764 |
| **Total Customer Minutes Lost** | 133,831 |
| **State Event SAIDI** | 1.00 Minutes |
| **CAIDI** | 8 |
| **Major Event Start** | 11/18/16 12:00 AM |
| **Major Event End** | 11/19/16 12:00 AM |

**Restoration Summary**

At 9:04 a.m. on the morning of November 18, 2016, Yakima, Washington, experienced a loss of supply event when a contractor was testing relays to a circuit breaker at the Pomona Substation and inadvertently sent out a trip signal. The system detected a fault and operated the 115 kV line feeding five substations (Wenas, Selah, Naches HE, and Tieton), 18 circuits and 15,762 customers. At 9:09 a.m. an announcement was made to the Yakima Area crews to ensure all employees were clear of facilities and at 9:12 a.m. the circuit breaker was closed via SCADA restoring power to all the customers.

There were no company or commission customer complaints made regarding the major event.



**Restoration Intervals**

|  |  |  |  |
| --- | --- | --- | --- |
| **Total Customers Sustained** | **< 3 Hrs.** | **3 - 24 Hrs.** | **24+ Hrs.** |
| **15,764** | 15,763 | 1 | 0 |

**Restoration Resources**

No additional restoration resources were used during this event.

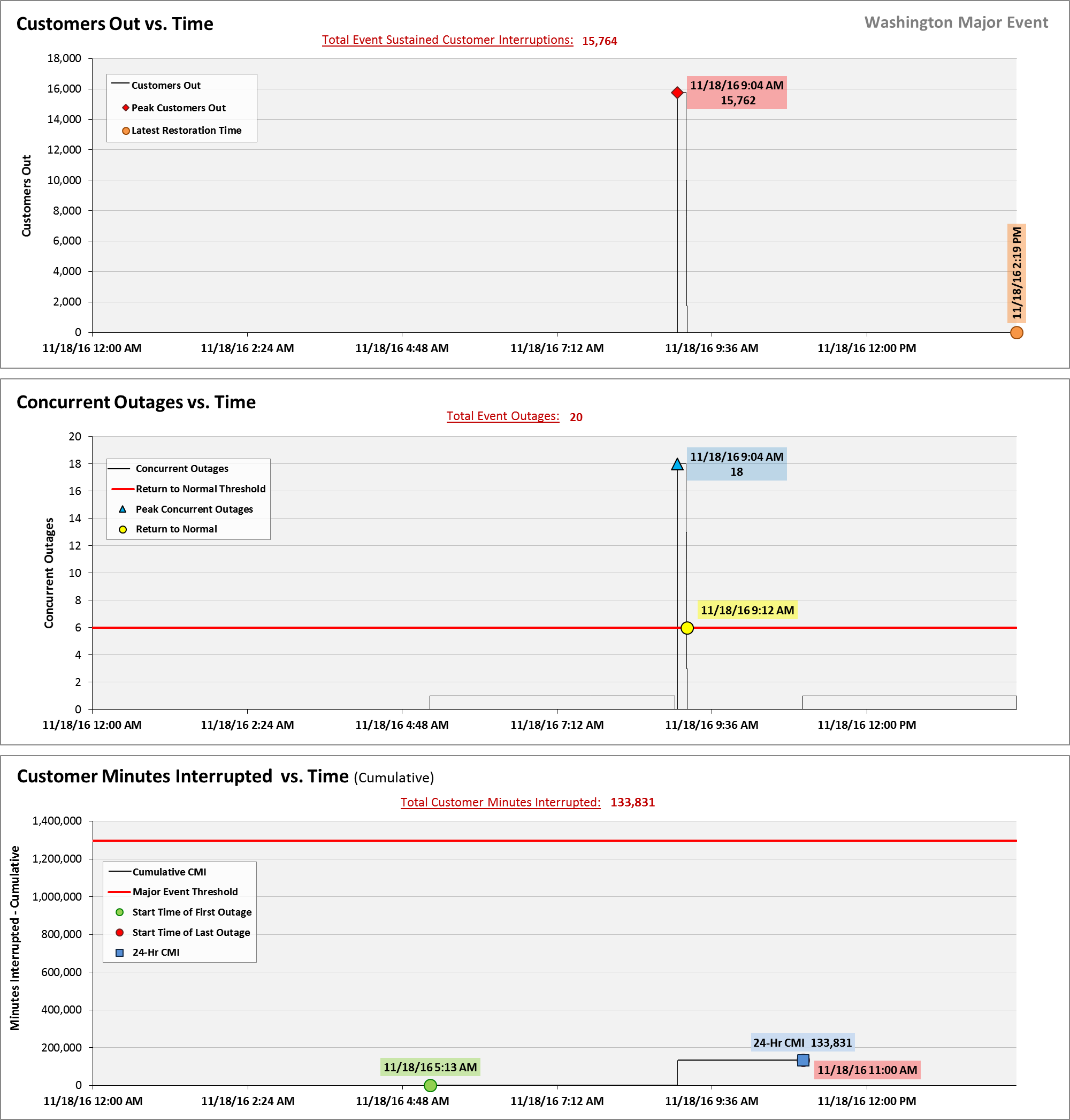
**State Estimated Major Event Costs**

No additional costs were accrued during this event.

**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 (15,764 customers interrupted out of 80,605 Yakima operating area customers, or 20% of the operating area customers) simultaneously in a 24-hour period.

**Event Detail**

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**SAIDI, SAIFI, CAIDI by Reliability Reporting Region**

Please see the attached system-generated reports.

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. Yakima operating area’s Calendar 2016 Frozen Customer Count is 80,605 customers. [↑](#footnote-ref-1)