

Report to: Utah Public Service Commission

Electric Service Reliability - Major Event Report UT-14-1

Major Event Scope: Outages with Start Times (inclusive):
April 22, 2014 4:20pm – April 24 5:53pm

Date Submitted: May 21, 2014

Primary Affected Locations: Wasatch Front

Primary Cause: Windstorm, Pole Fires due to Contamination

Exclude from Performance Reports: Yes

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Report Approved by: Heide Caswell

Event Description:

A fast-moving windstorm in northern Utah caused substantial damage to Rocky Mountain Power’s facilities and a significant impact on its reliability performance April 22 through April 24, 2014. Winds in excess of 80 miles per hour toppled trees into power lines and blew a heavy, contaminated cloud of dust from Utah’s west desert into the Wasatch Front. That contamination on facilities, in combination with subsequent light rain, resulted in numerous pole fires. A double-circuit transmission structure carrying two of the three power sources to Summit County, Utah, burned in remote, mountainous terrain and required rolling load curtailment outages during repairs from 7:10 a.m. to noon.

Facilities damaged in Utah included replacement of 15 transmission poles, 87 distribution poles, 56 crossarms, 23 transformers and approximately 10,000 line feet of conductor.

Total Customer Minutes Lost	18,760,976
Total Sustained Incidents	476
Total Sustained Customer Interruptions	79,529

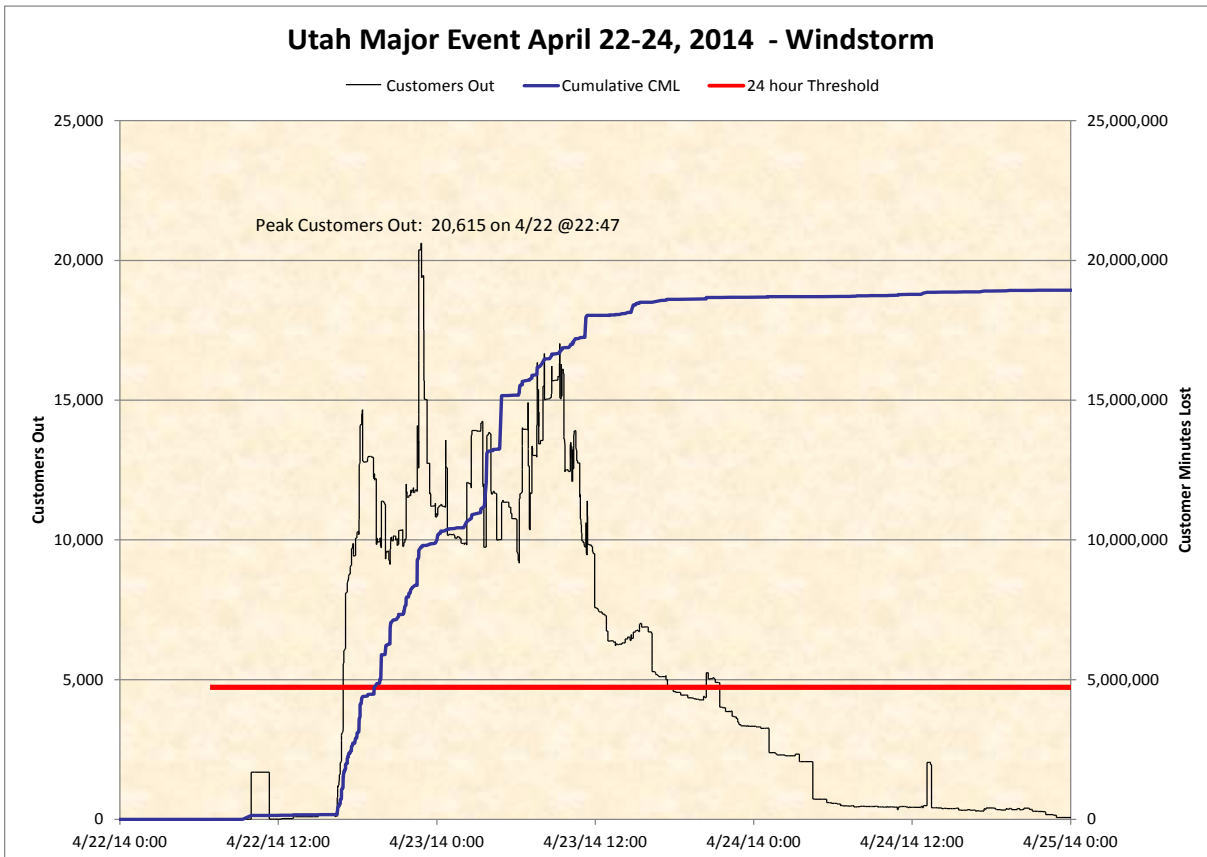
Restoration:

The company activated its Incident Command Center on April 23 at 8:19am to manage resource deployment and logistics coordination. Because of damage to two transmission lines that provide power to Summit County, rolling load curtailment was initiated to minimize the impact to all customers in the area. Restoration activities involved 379 field personnel utilized during round the clock operations. Overall, 70% of the sustained customer interruptions were restored within 3 hours. The longest outage was the fourth stage of a step-restoration on Stansbury 13 affecting 2 Tooele customers for about 198 hours (8 days) due to faulted primary cable that required special equipment to repair. During the extended outage to the underground system, the company worked with the customer (State of Utah Department of Natural Resources) to minimize the impact, including installing local generators to supply their electric needs.

There have been no customer complaints filed with regard to the company’s storm response.

Restoration Resources:

Troubleman/assessors	40
Internal local crewmembers	190
Internal borrowed crewmembers	19
External (contract) crewmembers	36
Substation crewmembers	10
Vegetation crewmembers	84



State Estimated Major Event Costs:

Estimate	Labor	Contracts	Material	Total
Capital	320,000	80,000	260,000	\$660,000
Expense	525,000	240,000	75,000	\$840,000
Total	\$845,000	\$320,000	\$335,000	\$1,500,000

SAIDI, SAIFI, CAIDI Metrics: (Attached)

Major Event Threshold:

Rocky Mountain Power is requesting designation of this storm and its consequences to be classified as a “Major Event” for exclusion from network performance reporting. This major event exceeded the company’s current Utah threshold for customer minutes lost in a 24-hour period (pursuant filed Advice/Approval Letters 04-13/05-13 adopting IEEE 1366-2003 major event methodology effective the company’s fiscal year 2006).

The 2014 annual threshold (t_{med}) for Utah is 5.47 state SAIDI minutes, which equates to 4,723,006 minutes.