

Report to: Utah Public Service Commission

Electric Service Reliability - Major Event Report UT-14-3

Major Event Scope: Outages with Start Times (inclusive):
November 1 5:56 AM – November 2 9:46 PM, with final restoration on November 4 at 7:46 PM

Date Submitted: December 10, 2014

Primary Affected Locations: Tremonton, Smithfield, Ogden, Cedar City

Primary Cause: Winter storm

Exclude from Performance Reports: Yes

Report Prepared by: Heide Caswell

Report Approved by: Dan Bodily, Jody Berger, Ken Shortt

Event Description:

Fall storms bringing high winds, rain and snowfall to northeastern and southern Utah caused substantial damage to Rocky Mountain Power’s facilities and a significant impact on its reliability performance November 1 through November 3, 2014. Wind-blown and snow-laden trees toppled into electrical facilities, blowing fuses, pulling wire down or breaking poles. Across the state sustained interruptions were experienced by approximately 4% of the company’s Utah customers, however within Ogden approximately 20% of the company’s customers were impacted by the major event.

Facilities damage in Utah included replacement of 9 transmission poles, 34 distribution poles, 25 crossarms, 8 transformers, 65 insulators and approximately 3,000 line feet of conductor.

Total Customer Minutes Lost	7,960,283
Total Sustained Incidents	197
Total Sustained Customer Interruptions	37,585

Restoration:

Restoration activities utilized 165 operations personnel. Overall, 64% of the sustained customer interruptions were restored within 3 hours, while only 0.6% of the customers who experienced a sustained outage were without power for longer than 24 hours. The longest customer interruption occurred in the Cedar City district on Red Mountain 32, affecting two customers for just over three days due to six damaged poles. This circuit serves two mountain-top cellular radio sites that, due to the location, have backup sources, which they switched to until utility power was restored.

There were no customer complaints filed with regard to the event’s outages or the company’s storm response.

Restoration Resources:

Troubleman/assessors	15
Internal local crewmembers	121
External (contract) crewmembers	8
Substation crewmembers	10
Vegetation crewmembers	11

State Estimated Major Event Costs:

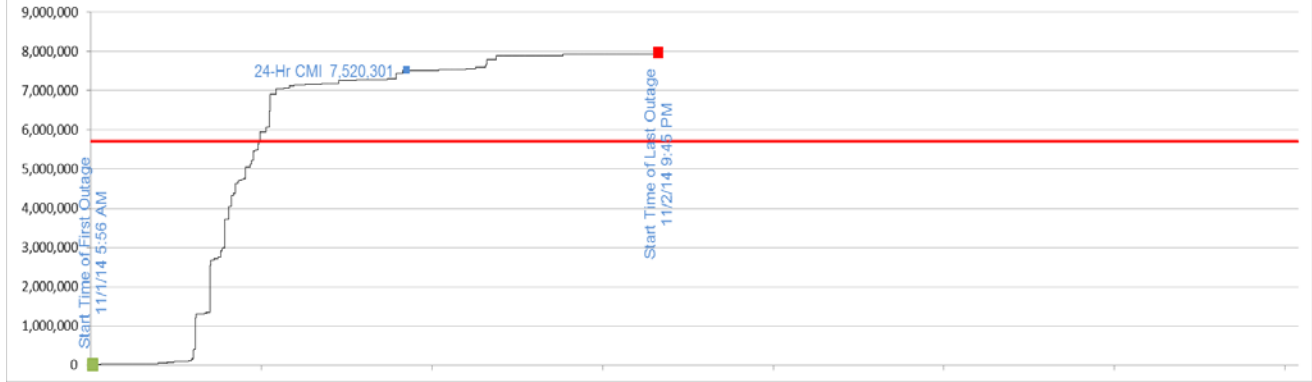
Estimate (\$000's)	Labor	Contracts	Material	Total
Capital	205	17	80	302
Expense	130	25	115	270
Total	335	42	195	572

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 for Utah is 5,699,230 minutes (i.e., 6.60 state SAIDI minutes).



Concurrent Outages vs. Time



Customers Out vs. Time

