

## **DPU Data Request 1.2**

In Company's report on this matter, the table titled "PacifiCorp Major Event Report, Customer Analysis" shows that 2,228 customers, primarily in the Salt Lake Metro and Jordan Valley areas required between 24 and 48 hours before power was restored. Additionally, there were 158 customers who require more the 48 hours to be restored, primarily in the American Fork, Salt Lake Metro, and Jordan Valley areas. Please explain why it took so relatively long to restore power in these three areas.

## **Response to DPU Data Request 1.2**

The Company disagrees with the characterization that the Company took "so relatively long to restore power in these areas." In fact, the Company posits that the materials contained in its major event filing demonstrate how rapidly and efficiently it conducted this restoration activity, particularly based upon the nature of the damage experienced by the system. In general, the longer outages were the result of damaged equipment which required complete replacement. Thus, poles were replaced. Many of the poles were inaccessible or required extreme measures be taken to gain access.

Supplemental paragraph response to 15-035-54

### **DPU Data Request 1.2**

A series of microbursts which affected much of Utah resulted in damage which was peppered across the Company's system. Damage at a local level was inconsistent due to the random effects of the local winds experienced. In certain areas pole fires occurred due to the light moisture and heavy particulate matter, while in many other areas the damage sustained was complete destruction of poles and crossarms by substantial wind and by falling trees and branches. Many of the locations that were impacted were remote, including within canyons or up mountains or were in back lots, all of which required that extraordinary measures be taken to gain ability for equipment that is required to access, repair or replace equipment. In order to restore as many customers as rapidly as possible, staged restorations were affected in a large percentage of the outages that resulted from this event. The first stages implemented allowed the Company to isolate the damaged parts of the system, restoring all customers upstream of the damage location. Then work was initiated and performed in priority order for the final restoration stages to be completed. Generally those locations which had to be addressed later in the restoration activity involved situations where unusual access was required, such as is associated with back-lot construction (i.e. overhead facilities that traverse between backyards rather than being located in the traditional street rights of way). Specifically, example restorations which occurred that had extended restoration included:

- 1) Meadowbrook 12, originally impacted 1,442 customers; restored in two stages, with two broken poles. First set of 652 customers were restored after about 7 hours; final 790 customers restored after two pole replaced, with a total outage for the last stage customers of about 26 hours;
- 2) Snarr 13, originally impacted 92 customers; after troubleman responded, determined crew was needed to replace pole. The pole's proximity to the street made it a good after-dark replacement. All customers were restored after about 27 hours out of service;
- 3) Rosepark 12, originally impacted 57 customers; restored in two stages, with the first set of 50 customers restored after 10 hours, with the final 7 customers restored 17 hours after that. The pole replacement was slightly complicated due to a fence that was built across the alleyway, however the majority of customers had been restored, so this work was given lower priority over situations restoring power to larger blocks of customers;
- 4) Hunter 11, originally impacted 51 customers, and 31 customers were able to be restored after 7 hours; rear lot entry was required to gain access to complete a pole top extension and remaining 20 customers were restored after about 46 hours;
- 5) Quarry 15, originally impacted 1,196 customers from three separate outage events, and initial restoration stages occurred within about 2 hours to restore power to 843 customers. Over the next hours crews installed switches to attempt to isolate further, used a trackhoe to build a road to access poles and replaced poles bring the remaining 326 customers on;
- 6) Lake Park 16, originally impacted 25 customers who were out of service for just over 28 hours, with a pole replacement completed; customers affected including a water district where close coordination was required to not energize until the customer made arrangements to avoid possible equipment damage; and
- 7) Taylorsville 14, originally impacted 934 customers where initial restoration was completed for 438 customers within about 14 hours, thereafter another 486 customers were restore within another 9 hours when a first pole was replaced, while another 9 hours later a second pole was replaced which restored service to the final 10 customers.