



**ROCKY MOUNTAIN
POWER**
A DIVISION OF PACIFICORP

Customer & Regulatory Liaison

1407 West North Temple
Salt Lake City, Utah 84116

UTAH PUBLIC
SERVICE COMMISSION

September 19, 2007

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Utah Public Service Commission
Heber M. Wells Building
160 East 300 South, Suite 400
Salt Lake City, Utah 84111

RECEIVED

Attention: Steven F. Goodwill
Administrative Law Judge

Re: Utah Docket No. 06-035-148
Formal Complaint of Tim Vetere

This letter is provided to update the parties on the results of the site visit made by HAL Engineering and Rocky Mountain Power on September 13, 2007, to submit voltage test results for the summer of 2007 (copy attached), to provide copies of the signed estimates for an additional 250 hp of load requested by the Complainant (copy attached) and to provide research results obtained by Rocky Mountain Power with regard to voltage drop on radial lines. Please note that the Complainant did not provide a list of dates and times of alleged power fluctuations to Rocky Mountain Power as committed to at the conclusion of the last technical conference in Green River, Utah.

On September 13, 2007, HAL Engineering and Rocky Mountain Power visited Complainant's site to test Complainant's facilities. Pressure and flow were measured with accurate gauges at the Complainant's booster pump, the lower pump and at the pivot receiving water from the booster pump. These measurements indicated that the pressure at the booster and the pivot were almost identical to the previous tests. The flow rates were slightly reduced due to operating conditions being different. The lower pump pressure was significantly less than the previous tests. Rocky Mountain Power believes this indicates that the booster pump was operating at significantly higher efficiency than when it was last tested. Specific results will be available in approximately one week from HAL Engineering. HAL Engineering and Rocky Mountain Power also inspected the impeller of the booster pump and found it to be correct in size and in nearly new condition. Detailed photos were taken. Replacement of the impeller is a possible explanation for the improved efficiency of the booster pump.

During the August 21, 2007 technical conference, Rocky Mountain Power agreed to investigate voltage drop on radial lines by conferring with Garkane Energy and Flowell Electric, members of Deseret Power Electric Cooperative. Rocky Mountain Power was able to obtain information from Garkane Energy, which indicates they design and operate their distribution system to comply with the voltage ranges based upon *Voltage Ratings for Electrical Power Systems and Equipment*, American National Standard ANSI C84.1-1970 (copy attached). Previously, Rocky

Mountain Power noted that the company operates in compliance with ANSI C84.1-1989, the latest update. In both standards the service voltage levels remain consistent. As with all electric utility systems a cumulative voltage drop is allowed through the primary lines, distribution transformer, secondary conductors, and service conductors but the utility must operate within the voltage ranges listed in the ANSI C84.1 standards. For supporting information voltage drops and voltage regulations is discussed in chapter 7, System Voltage Regulation, ABB Power Systems Inc. Electric Utility Engineering Reference Book (copy attached). Lastly, Garkane Energy provided a copy of their electric service regulations (copy attached) that require customers with motors exceeding 5 horsepower to install soft start controls to limit the in-rush starting current to prevent voltage flicker to the system thus demonstrating their concern with a motor impact on the distribution electrical system.

In summary, there has been no evidence to indicate that Rocky Mountain Power is responsible for or has contributed in any way to Complainant's alleged pump problems. The service of electricity to Mr. Vetere on the company side of the meter meets all of the applicable conditions and standards of service and is consistent with the delivery of electricity to Rocky Mountain Power's customers generally. Rocky Mountain Power has spent considerable time and resources to study and monitor its system since the date the complaint was filed and has cooperated in every way to bring this matter to a conclusion. Based on the studies and other information obtained it is clear that Rocky Mountain Power is not in violation of any tariff, regulation or statute. Rocky Mountain Power therefore respectfully requests the Commission act on Rocky Mountain Power's motion to dismiss previously filed in this docket and asks that this case be dismissed in its entirety with prejudice.

Sincerely,

Handwritten signature of Carole Rockney in black ink, with a small 'RD' monogram at the end.

Carole Rockney, Director
Customer & Regulatory Liaison

cc: Ms. Rea Petersen, Division of Public Utilities
Mr. Dennis Miller, Division of Public Utilities
Mr. Tim Vetere

Attachments