

**NET METERING COMPLIANCE FILING 2016
(DOCKET 14-035-114)
INDEX**

Gary W. Hoogeveen Direct Testimony (20 pages)

Introduces and Supports the Compliance Filing which requests modifications to the net metering program, including a new rate structure for residential net metering customers. He also describes a corresponding tariff advice letter, filed concurrently with the Compliance Filing, that requests to close to new service the currently effective Schedule 135, Net Metering Service, and approve, in its place, proposed Schedule 135A, which mirrors Schedule 135 and would be in place temporarily until the Commission makes the final determination in Subsection Two of the Net Metering Statute.

Joelle R. Steward Direct Testimony and Exhibits (38 pages)

Explains and supports the Company's filing and the proposed new tariffs – Schedule 136, Net Metering Program, and Schedule 5, Residential Service for Customer Generators. She also (i) explains the Company's proposal for new or updated application fees for interconnection requests based on a more current assessment of the administrative costs and (ii) sponsors the conforming changes in the interconnection agreements.

Exhibits of Joelle R. Steward

Exhibit RMP__(JRS-1) Proposed Tariff Revisions (Schedule 136 and Schedule 5)

Exhibit RMP__(JRS-2) Revised Interconnection Agreements (clean and redlined)

Exhibit RMP__(JRS-3) Proposed Rates - Schedule 5

Exhibit RMP__(JRS-4) Peak Period Occurrences

Exhibit RMP__(JRS-5) Example of Interval Demand Measurements

Exhibit RMP__(JRS-6) Calculation of Offset Credit

Exhibit RMP__(JRS-7) Bill Impact Summary

Exhibit RMP__(JRS-8) Proposed Application Fee Calculation

Workpapers of Joelle R. Steward

Exhibit RMP__(JRS-4) - Workpaper.xlsx

Exhibit RMP__(JRS-5) Workpaper.xlsx

Exhibit RMP__(JRS-6) - Workpaper.xlsx

Exhibit RMP__(JRS-7) Workpaper.xlsx

Exhibit RMP__(JRS-8) Workpaper.xlsx

Figure 1 -Growth in Net Metering Participation.xlsx

Figure 4 - Average Profiles by Different Usage Levels.xlsx

Figure 5 - Residential COS and Charges.xlsx

Figure 6 - Changes in Avg Price Across LFs.xlsx

Figures 2 & 3 - Res Compared to Res-NEM Profiles.xlsx

Growth Since GRC.xlsx
 Increase in Sch 5 Basic Charge Instead of Application Fee.xlsx
 Large Non-Residential NEM Compensation.xlsx
 Potential Future Cost Shifting for Res NEM.xlsx
 Table 3 - Sch 5 Rates.xlsx
 Table 4 - Res & Res NEM Characteristics.xlsx
 Table 5 - Residential Cost Allocation Drivers.xlsx
 UT NEM Blocking 2015.xlsx

Robert M. Meredith Direct Testimony and Exhibits (31 pages)

Presents and supports the Company’s cost of service analyses that were prepared to comply with the Commission’s order which established a framework for determining the costs and benefits of the net metering program. Mr. Meredith’s testimony demonstrates that the Company’s cost of service studies are accurate and reliable, and are consistent with Commission-approved standards that have been approved over the years, and should be accepted by the Commission.

Exhibits of Robert M. Meredith

- Exhibit RMP__(RMM-1) Costs and Benefits of the Net Metering Program
- Exhibit RMP__(RMM-2) Summary of Results for ACOS and CFCOS
- Exhibit RMP__(RMM-3) Benchmark of Utah Residential Distributed Generation Production Shape to National Renewable Energy Laboratory’s PVWatts® Distributed Generation Shape
- Exhibit RMP__(RMM-4) Difference in Energy Sales Between CFCOS and ACOS
- Exhibit RMP__(RMM-5) Bill Credits Related to the Net Metering Program
- Exhibit RMP__(RMM-6) Customer Service and Billing Cost Related to Utah Net Metering Program
- Exhibit RMP__(RMM-7) Administration Cost Related to Utah Net Metering Program
- Exhibit RMP__(RMM-8) Engineering Cost Related to Utah Net Metering Program
- Exhibit RMP__(RMM-9) Metering Cost Related to Utah Net Metering Program
- Exhibit RMP__(RMM-10) Sampling Plans, Procedures and Selections for the Profile Metering Sample of Utah Residential Distributed Generation
- Exhibit RMP__(RMM-11) Value of Excess NEM Credits
- Exhibit RMP__(RMM-12) Summary of Results for NEM Breakout COS
- Exhibit RMP__(RMM-13) NEM Breakout COS Compared to ACOS
- Exhibit RMP__(RMM-14) Determination of Residential Net Metering Cost of Service At the Same Basis as Rates Set in Docket No. 13-084-184

Workpapers of Robert M. Meredith

- Exhibit RMP__(RMM-1) Backup
 Net Metering COS Change File.xlsx

Net Metering Program Cost Exhibit.xlsx
Exhibit RMP__(RMM-2) Workpapers.xls
Exhibit RMP__(RMM-4) Workpapers.xlsx
Exhibit RMP__(RMM-5) Workpapers.xlsx
Exhibit RMP__(RMM-6) Workpapers.xlsx
Exhibit RMP__(RMM-7) Workpapers.xlsx
Exhibit RMP__(RMM-8) Workpapers.xlsx
Exhibit RMP__(RMM-9) Workpapers.xlsx
Exhibit RMP__(RMM-13) Workpapers.xlsx
Exhibit RMP__(RMM-14) Backup
 Exhibit RMP__(RMM-14).xlsx
 COS UT June 2015 - GRC Unit Cost @ Step 2 Rev.xlsx
Figure 2 - Company Profile vs NREL data.xlsx
KSLC December Cloud Cover Percentage 2011 to 2015.xlsx
KSLC May Cloud Cover Percentage 2011 to 2015.xlsx
Regression Results.xlsx
Table 1 - Net Cost-(Benefit) at Sys-State-Class Levels.xlsx
Table 2 - Private Gen to Full Req.xlsx
Table 3 - Parity to COS.xlsx
Utah_NMT_Production_Estimates_2015 @ Generator.xlsx
Bill Credit Calculation
 UT 2015 Present Revenues for Net Metering Filing.xlsx
 UT Blocking 2015 With PG.xlsx
 UT Blocking 2015 Without PG.xlsx
COS Models
 A COS UT Dec 2015 NEM Breakout.xlsx
 ACOS UT Dec 2015.xlsx
 CFCOS UT Dec 2015.xlsx
 Utah COS Procedures.doc
JAM Models
 Actual JAM - Dec 2015.xlsm
 CounterFactual JAM - Dec 2015.xlsm

Douglas L. Marx Direct Testimony and Exhibits (12 pages)

Demonstrates that rooftop solar generation does not reduce the peak demand on the distribution system to a degree that could warrant a reduction in infrastructure. Instead, rooftop solar may actually increase the requirements for infrastructure at the local level. Further, residential net metering customers use the electric grid at a level higher than other residential customers. The total amount of energy transferred to and from the electric grid by net metering customers can exceed the amount of energy delivered to other customers by a significant amount. In addition, the

Company incurs additional costs associated with applications for rooftop solar generation and their interconnection.

Exhibits of Douglas L. Marx

Exhibit RMP__(DLM-1) 2015 Distribution Rooftop Solar Study - Bingham #11

Michael G. Wilding Direct Testimony and Exhibits (9 pages)

Presents and supports the Company's net power cost ("NPC") analysis of the net metering program for the 12-month period from January 1, 2015 through December 31, 2015 ("Study Period").

Exhibits of Michael G. Wilding

Exhibit RMP__(MGW-1) NPC Analysis

Exhibit RMP__(MGW-4) 2015 Actual Net Power Cost

Confidential Exhibits of Michael G. Wilding

CONF Exhibit RMP__(MGW-2) Base GRID Study: Utah Schedule 37 filing Dated April 30, 2015

CONF Exhibit RMP__(MGW-3) No Net Metering GRID Study

Workpapers of Michael G. Wilding

Tables for Wilding Testimony.xlsx

Confidential Workpapers of Michael G. Wilding

UT Net Metering - GRID AC Study CONF _Base and NoNetMetering.xlsm

UT Net Metering - GRID AC Study CONF _Base.xlsm

UT Net Metering - GRID AC Study CONF _NoNetMetering.xlsm