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November 12, 2013

Burl W. Haar
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, Minnesota 55101-2147

RE: **Reply Comments of the Minnesota Department of Commerce,
Division of Energy Resources**
Docket No. E002/M-13-315

Dear Dr. Haar:

Attached are the Reply Comments of the Minnesota Department of Commerce, Division of Energy Resources (the Department) in the following matter:

In the Matter of a Rate for Large Solar Photovoltaic Installations.

Based on our review of the comments of other parties, the Department recommends that the Commission **continue with the existing interim solar Standby Service capacity credit of \$5.15 per kW/month until the Commission has made a determination on a final value based on a complete Effective Load Carrying Capability report** and is available to answer any questions the Commission may have.

Sincerely,

/s/ CHRISTOPHER T. DAVIS
Rates Analyst

CTD/sm
Attachment

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

COMMENTS OF THE
MINNESOTA DEPARTMENT OF COMMERCE
DIVISION OF ENERGY RESOURCES

DOCKET NO. E002/M-13-315

I. INTRODUCTION

On May 13, 2013, the Minnesota Public Utilities Commission (Commission) issued its ORDER SETTING INTERIM RATE AND ESTABLISHING NEW SOLAR RATE DOCKET, in the above-cited docket. In this Order, the Commission established an interim photovoltaic (PV) capacity credit of \$5.15 per kW/month and ordered Northern States Power Company d/b/a Xcel Energy (Xcel) to file a large customer PV rate proposal by October 1, 2013. On October 1, 2013, Xcel filed a letter explaining that the Commission's May 13 Order was issued prior to the passage of legislation establishing the timeline to develop a value of solar (VOS) methodology. Since the capacity value of solar will be addressed in the Minnesota Department of Commerce's (Department) VOS methodology, and is related to the calculation of a large customer PV rate, Xcel believes filing a final rate proposal at this time would be premature.

On October 29, 2013 the Minnesota Department of Commerce (Department) submitted initial comments on Xcel's proposal. In our comments, the Department recommended that the Commission approve Xcel's proposal to continue the existing interim solar Standby Service capacity credit of \$5.15 per kW/month until the Commission has made a determination on the Value of Solar methodology. The Commission also received comments from:

- Sundial Solar;
- Izaak Walton League of America, Midwest office (IWLA); Minnesota Center for Environmental Advocacy, and Fresh Energy (collectively, Environmental Intervenors);
- Solar Rate Reform Group;
- AEG Group, LLC; and
- Minnesota Solar Energy Industries Association.

None of the other commenters supported delaying approval of the final capacity credit for the solar standby rate until the Value of Solar (VOS) tariff is finalized. In addition, parties discussed the following issues:

1. Ownership of Renewable Energy Credits (RECs).
2. Maintaining a separate track for VOS and the capacity credit for solar.
3. Immediate approval of a final solar capacity credit value higher than \$5.15 per kW.
4. Immediate approval of a final solar capacity credit value equal to \$5.15 per kW.

II. DEPARTMENT ANALYSIS

The Department notes that on November 1, 2013 Xcel submitted an updated ELCC study to the Commission. In its cover letter, the Company states:

The Company has modified the ELCC modeling assumptions based on input from interested parties. Specifically, parties requested that hourly solar and load patterns be based on actual annual data as to preserve the naturally occurring correlation between the two, that we test different panel orientations and that we use multiple years of data. The Company has not had an opportunity to receive feedback on the new results from parties, and therefore is not proposing to use these results to update the solar Standby Service Capacity credit at this time.

The Department concludes that Xcel's final capacity credit for solar must be based on a complete ELCC study that uses appropriate data points. At this point the Department has not completed its review and testing of Xcel's recent submittal. Until the ELCC modeling is completed, the Department believes it would be premature to approve a final solar capacity credit value. However, after reviewing the comments of other parties the Department does agree that the Commission's approval of the solar capacity credit for Xcel does not need to be contingent upon the Commission's approval of the Value of Solar tariff. The Department agrees with the following recommendation of the Environmental Intervenors:

The Commission should therefore continue to move forward to determine the permanent credit to standby customers that provide a valuable capacity benefit to Xcel.

The Department proposes that the following schedule be used to move forward:

- The Department and other parties will review Xcel's update to the ELCC and provide written comments no later than December 2, 2013, provided that Xcel responds in a timely manner to any questions. The Department also intends to address REC ownership and possibly other issues in those comments.
- Xcel would submit an updated ELCC no later than January 15, 2014.
- The Department and other parties would provide final recommendations to the Commission on February 14, 2014.

III. RECOMMENDATIONS

The Department recommends using the following process to determine the appropriate solar capacity credit for Xcel, which will be used in a final large power customer PV rate:

- On December 2, 2013 the Department and other parties will submit written comments and recommendations on Xcel's November 1, 2013 ELCC and address the issue of REC ownership and any other relevant issues.
- On January 15, 2014 Xcel will submit an updated ELCC along with the Company's recommendations for the final solar capacity value.
- On February 14, 2014 parties will submit recommendations on the final solar capacity value.

/sm

CERTIFICATE OF SERVICE

I, Sharon Ferguson, hereby certify that I have this day, served copies of the following document on the attached list of persons by electronic filing, certified mail, e-mail, or by depositing a true and correct copy thereof properly enveloped with postage paid in the United States Mail at St. Paul, Minnesota.

**Minnesota Department of Commerce
Reply Comments**

Docket No. E002/M-13-315

Dated this 12th day of November, 2013

/s/Sharon Ferguson

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