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July 23, 2015

Mr. Daniel P. Wolf
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Sue 350
St. Paul, Minnesota 55101-2147

RE: **Comments of the Minnesota Department of Commerce, Division of Energy Resources**
Docket No. E999/M-15-462

Dear Mr. Wolf,

On May 27, 2015, the Minnesota Public Utilities Commission (Commission) issued its *Notice of Reporting Requirement and Comment Period in the Matter of Utilities' Annual Reports on Progress in Achieving the Solar Energy Standard (SES)*. Attached please find the comments of the Minnesota Department of Commerce, Division of Energy Resources.

The Department is available to answer any questions the Commission may have.

Sincerely,

/s/ SUSAN L. PEIRCE
Rate Analyst

SLP/It
Attachment

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

COMMENTS OF THE
MINNESOTA DEPARTMENT OF COMMERCE
DIVISION OF ENERGY RESOURCES

DOCKET No. E999/M-15-462

I. BACKGROUND INFORMATION

On April 25, 2014, the Minnesota Public Utilities Commission (Commission) issued its *Order Clarifying Solar Energy Standard Requirements and Setting Annual Reporting Requirements* in Docket No. E999/CI-13-542 to implement the Solar Energy Standard (SES) contained in Minn. Stat. §216B.1691, subd. 2(f).

On May 27, 2015, the Commission issued a *Notice of Reporting Requirement and Comment Period* directing utilities subject to the SES to file annual reports by June 1st, and requesting comments on whether the annual reports complied with the Commission's reporting requirements set forth in its April 25, 2014 Order.

Minnesota Power (MP), Otter Tail Power Corporation (OTP), Interstate Power and Light Company (IPL)¹ and Xcel Energy (Xcel) are subject to the SES and submitted annual reports.

II. SUMMARY OF THE REPORTING REQUIREMENTS

Minn. Stat. §216B.1691, was amended by the 2013 Legislature to require public utilities to generate or procure 1.5 percent of their Minnesota retail electric sales from solar energy by 2020. The statute permits utilities subject to the SES to exclude retail sales to the mining and paper mill and wood products manufacturing industries from the calculation of their SES requirement. The statute further requires that at least 10 percent of the 1.5 percent SES goal be met by solar energy from facilities with a nameplate capacity of 20 kW or less.

The April 25th Commission Order requires utilities to submit the following information:

¹ The Commission's June 8, 2015 *Order Approving Agreement Subject to Conditions* approved IPL and Southern Minnesota Energy Cooperative's (SMEC) request to sell IPL's Minnesota electric distribution system and assets and transfer of its Minnesota service rights and obligations to SMEC. Pending final approval from the Federal Energy Regulatory Commission, IPL will no longer have retail customers and therefore will no longer be subject to the SES.

- Annual Minnesota retail sales;
- Annual excluded customer sales
- A list of customers requesting exclusion and their North American Industry Classification System (NAICS) code;
- Total Minnesota retail sales for customers excluded from the SES requirement;
- Annual solar generation, the total number of units registered in M-RETS and total S-RECs generated from those units;
- Estimated amount of solar generation in MWs the utility would be required to obtain in 2020;
- Estimated solar energy requirements to meet the SES in 2020;
- A short summary of ongoing efforts to obtain solar energy, including the anticipated mix of project sizes for SES compliance;
- A summary of progress toward the 10 percent carve out for systems under 20 kW;
- A brief summary of the state(s) in which the solar generation is located or anticipated to be located;
- Purchases and sales of S-RECs to meet the SES.
- A breakdown of S-RECs from the following:
 1. Facilities receiving a Value of Solar rate;
 2. Community Solar Gardens;
 3. Facilities under a net metering tariff;
 4. Utility-owned solar projects;
 5. Solar facilities that have entered a purchase power agreement (PPA) with the utility;
 6. Facilities receiving an incentive such as Solar*Rewards or Made in Minnesota.

III. DEPARTMENT ANALYSIS

The Department has reviewed the annual SES reports and concludes that they include the requested information and comply with the Commission's Orders. In general, the four utilities subject to the SES are in the early stages of evaluating the best means of meeting their SES requirements. Existing solar facilities were largely in place prior to August 1, 2013, and therefore are not eligible for use toward SES compliance; however these facilities are eligible for RES compliance. Table 1 to these comments summarizes each utility's current SES reporting. The Department provides a brief summary of each utility's efforts to meet the 2020 SES requirement.

A. XCEL ENERGY

Xcel reports that it has four PPAs for 287 MW of solar facilities that are expected to commence operation in 2016. In addition, the Company offers its Solar*Rewards incentive program for the installation of rooftop solar systems less than 20 kW, Made in Minnesota incentives for systems manufactured in Minnesota, and community solar gardens through

its Solar*Rewards Community program. Xcel states that it only recently registered its Solar*Rewards facilities in the Midwest Regional Tracking System (M-RETS). Xcel has a total of 349 Solar*Rewards and Made in Minnesota systems now registered in M-RETS whose SRECs will be reflected in next year's SES report.

B. INTERSTATE POWER AND LIGHT

IPL is evaluating various solar options including community solar gardens, utility-scale solar and acquiring solar through a PPA. IPL states it currently has 15 Minnesota customers with net metered solar installations for a capacity of 146 kW and an additional 940 Iowa customers with 16.9 MW of net metered solar; however, the Company has not registered these in M-RETS and consequently has no SRECs for this generation.

C. OTTER TAIL POWER COMPANY

OTP states that after discussions with various solar developers it believes delaying a utility-scale solar project until 2019 is in its customers' best interests. The Company believes gains in the present value of revenue requirements of waiting until 2019 will offset the reduction in the investment tax credit (ITC). In addition, OTP expects solar installation costs to continue to decline, and anticipates that a more robust SREC market may result in lower cost options for meeting the SES.

With respect to small solar installations, OTP reports that it is continuing to evaluate various strategies including solar gardens, additional Company-specific funding for Made in Minnesota projects and developing a solar incentive program through its Conservation Improvement Program (CIP). In addition the Company continues to have discussions with a local university to help fund a solar PV installation.

D. MINNESOTA POWER

MP states it has entered into a Memorandum of Understanding with the Minnesota National Guard to host a 10 MW solar array near Little Falls, Minnesota which is expected to be in service by 2016. In addition, MP intends to file a community solar garden pilot program by year-end, and is working with other entities to develop rooftop solar in its service area. The Company reports that beginning in 2015 participants in its SolarSense rebate program will be required to assign all SRECs to MP for compliance towards its SES requirement. In addition, MP provided information on its education and outreach efforts to inform customers on solar installations.

IV. DEPARTMENT RECOMMENDATION

The Department recommends the Commission find the SES Reports in compliance with its Orders.

Table 1: Summary of Utility Reporting on SES

| | IPL | Otter Tail | Minnesota Power | Xcel |
|--|---------|--|--|------------|
| 2014 MN retail sales (MWh) | 857,399 | 2,320,436 | 9,391,216 | 30,741,426 |
| Excluded Sales | 9,944 | 0 | 6,336,953 | 0 |
| Annual solar generation (MWh) | 0 | 71 | | |
| Est. solar capacity needed to meet 2020 SES | 7 | 28 | 32 | 287 |
| Est. solar energy needed to meet 2020 SES (MWhs) | 13,335 | 365,561 | 55,035 | 465,500 |
| Breakdown of Solar RECs generated after 8/1/2013: No. of facilities (Capacity kW) | | | | |
| a. Receiving Value of Solar | 0 | 0 | 0 | 0 |
| b. Community Solar Gardens | 0 | 0 | 0 | 0 |
| c. Facilities under net metering | 0 | 15 (146 kW) | 132 net metered customers; customers have the RECs | 0 |
| d. Utility-owned | 0 | 0 | 0 | 0 |
| e. Solar PPA | 0 | 0 | 0 | 0 |
| f. Incentive Program | 0 | 2 facilities with incentives, in process of obtaining RECs | 0 | 0 |

/lt

CERTIFICATE OF SERVICE

I, Linda Chavez, hereby certify that I have this day served copies of the following document on the attached list of persons by electronic filing, 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 – COMMENTS

Docket Nos. **E999/M-15-462**

Dated this **23rd** day of **July, 2015**.

/s/Linda Chavez

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