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January 31, 2014

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

RE: **Filing of the Minnesota Department of Commerce, Division of Energy Resources**
Docket No. E999/M-14-65

Dear Dr. Haar:

Attached is the Filing of the Minnesota Department of Commerce, Division of Energy Resources (Department) in the following matter:

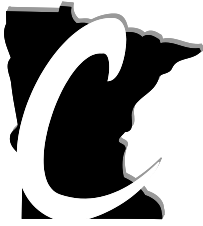
In the Matter of Establishing a Distributed Solar Value Methodology under Minn. Stat. § 216B.164, subs.10 (e) and (f).

The Department recommends that the Minnesota Public Utilities Commission (Commission) **approve the methodology proposed herein** and is available to answer any questions the Commission may have.

Sincerely,

/s/ HOLLY LAHD
Rates Analyst

HL/sm
Attachments



BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

PROPOSAL OF THE
MINNESOTA DEPARTMENT OF COMMERCE
DIVISION OF ENERGY RESOURCES

DOCKET No. E999/M-14-65

I. INTRODUCTION

During the 2013 Legislative Session, subdivision 10 was added to Minnesota Statute § 216B.164, Cogeneration and Small Power Production. The new subdivision states as follows:

Subd. 10. Alternative tariff; compensation for resource value.

- (a) A public utility may apply for commission approval for an alternative tariff that compensates customers through a bill credit mechanism for the value to the utility, its customers, and society for operating distributed solar photovoltaic resources interconnected to the utility system and operated by customers primarily for meeting their own energy needs.
- (b) If approved, the alternative tariff shall apply to customers' interconnections occurring after the date of approval. The alternative tariff is in lieu of the applicable rate under subdivisions 3 and 3a.
- (c) The commission shall after notice and opportunity for public comment approve the alternative tariff provided the utility has demonstrated the alternative tariff:
 - (1) appropriately applies the methodology established by the department and approved by the commission under this subdivision;
 - (2) includes a mechanism to allow recovery of the cost to serve customers receiving the alternative tariff rate;

- (3) charges the customer for all electricity consumed by the customer at the applicable rate schedule for sales to that class of customer;
 - (4) credits the customer for all electricity generated by the solar photovoltaic device at the distributed solar value rate established under this subdivision;
 - (5) applies the charges and credits in clauses (3) and (4) to a monthly bill that includes a provision so that the unused portion of the credit in any month or billing period shall be carried forward and credited against all charges. In the event that the customer has a positive balance after the 12-month cycle ending on the last day in February, that balance will be eliminated and the credit cycle will restart the following billing period beginning on March 1;
 - (6) complies with the size limits specified in subdivision 3a;
 - (7) complies with the interconnection requirements under section 216B.1611; and
 - (8) complies with the standby charge requirements in subdivision 3a, paragraph (b).
- (d) A utility must provide to the customer the meter and any other equipment needed to provide service under the alternative tariff.
- (e) *The department must establish the distributed solar value methodology in paragraph (c), clause (1), no later than January 31, 2014. The department must submit the methodology to the commission for approval. The commission must approve, modify with the consent of the department, or disapprove the methodology within 60 days of its submission. When developing the distributed solar value methodology, the department shall consult stakeholders with experience and expertise in power systems, solar energy, and electric utility ratemaking regarding the proposed methodology, underlying assumptions, and preliminary data.*
- (f) *The distributed solar value methodology established by the department must, at a minimum, account for the value of energy and its delivery, generation capacity, transmission capacity, transmission and distribution line losses, and environmental value. The department may, based on*

known and measurable evidence of the cost or benefit of solar operation to the utility, incorporate other values into the methodology, including credit for locally manufactured or assembled energy systems, systems installed at high-value locations on the distribution grid, or other factors.

- (g) The credit for distributed solar value applied to alternative tariffs approved under this section shall represent the present value of the future revenue streams of the value components identified in paragraph (f).
- (h) The utility shall recalculate the alternative tariff on an annual cycle, and shall file the recalculated alternative tariff with the commission for approval.
- (i) Renewable energy credits for solar energy credited under this subdivision belong to the electric utility providing the credit.
- (j) The commission may not authorize a utility to charge an alternative tariff rate that is lower than the utility's applicable retail rate until three years after the commission approves an alternative tariff for the utility.
- (k) A utility must enter into a contract with an owner of a solar photovoltaic device receiving an alternative tariff rate under this section that has a term of at least 20 years, unless a shorter term is agreed to by the parties.
- (l) An owner of a solar photovoltaic device receiving an alternative tariff rate under this section must be paid the same rate per kilowatt-hour generated each year for the term of the contract. (Emphasis added)

The above subdivision was added to Minnesota's extensive history of distributed generation (DG) legislation and rules. The italicized components provide the basis for these comments.

The following history informs and supports the Department's Value of Solar (VOS) approach discussed below.

In 1981, Minnesota was one of the first states to require net metering with the adoption of legislation for Cogeneration and Small Power Production.¹ In 2001, the legislature required the Commission to develop standards that govern the interconnection and operation of on-site

¹ Minn. Stat. § 216B.164. Cogeneration and Small Power Production.

distributed generation,² resulting in the September 28, 2004 Commission *Order Establishing Standards for Interconnection and Operation of Distributed Generation*.³

Over the last several years, the Department has regularly convened and engaged stakeholders to review and discuss and develop topics related to distributed generation.⁴ In the fall of 2011, the Department conducted a series of four workshops to explore DG resource opportunities and issues including an introduction and overview, contractual issues (e.g. standby rates, third party ownership, power purchase agreements, interconnection standards), net metering issues, and policy improvements.⁵ On May 31, 2012 a daylong workshop was held with stakeholder and utility engineers to discuss technical interconnection issues; a webinar on August 15, 2012 provided an update on baselines and benchmarks for Minnesota DG; and on October 11, 2012 a daylong stakeholder meeting explored the costs, values, benefits and policy options for DG.⁶

In the October 11, 2012 stakeholder meeting, Northern States Power, d/b/a Xcel Energy (Xcel), the state's largest electric utility, outlined concerns regarding net metering and proposed an alternative approach, similar to a Value of Solar tariff, that would separate the customer's electric consumption and the customer's DG production into two separate transactions with the utility.

In January 2013, at the invitation of the Department, Karl Rabago (Rabago Energy LLC) met with Minnesota stakeholders to discuss his experience developing Austin Energy's Value of Solar tariff and how it could inform DG rates in Minnesota.⁷

In May 2013, the Minnesota legislature passed legislation⁸ that allows Investor-Owned Utilities (IOUs) to apply to the Commission for a VOS tariff as an alternative to net metering and as a rate identified for community solar gardens. The Department was assigned the responsibility of developing and submitting a proposed methodology for calculating the VOS tariff to the Commission by January 31, 2014. Utilities adopting the VOS will be required to follow this methodology when calculating the VOS rate.

Key issues raised and questions addressed in the development of the VOS Methodology are central to all distributed generation regulatory models, including net metering. While Net Energy Metering effectively values Photovoltaic (PV)-generated electricity at the customer retail rate, a VOS tariff seeks to quantify the value of distributed PV electricity. Because the VOS rate is based on the values of the PV-generated electricity to the utility and society, the utility and its

² Minn. Stat. § 216B.1611. Interconnection of On-Site Distributed Generation.

³ Docket E-999 / CI-01-1023.

⁴ <https://mn.gov/commerce/energy/topics/clean-energy/distributed-generation/>

⁵ <https://mn.gov/commerce/energy/topics/clean-energy/distributed-generation/2011-workshops/index.jsp>

⁶ <https://mn.gov/commerce/energy/topics/clean-energy/distributed-generation/2012-workshops/index.jsp>

⁷ <https://mn.gov/commerce/energy/topics/clean-energy/distributed-generation/2013-workshops/index.jsp>

⁸ MN Laws 2013, Chapter 85 HF 729, Article 9, Section 10.

ratepayers can view electricity that is supplied from customer-sited PV similarly to electricity from comparable conventional means, particularly if environmental factors are fully considered. Thus, a VOS tariff is intended to eliminate the potential cross-subsidization concerns regarding net energy metering from a societal perspective.

A timeline of Minnesota Distributed Generation and Value of Solar activities is attached in the Appendix.

II. SUMMARY OF STAKEHOLDER ENGAGEMENT

The Department designed and actively facilitated a series of four stakeholder workshops to inform, develop, present, and receive feedback on the VOS Methodology development. Through the four VOS workshops (three full day, one half day), the Department, with the support of national experts, convened, informed, and robustly engaged a broad set of Minnesota and national stakeholders.

Each of the four workshops was well attended (100 to 150 participants) by a diverse set of interested parties including active participation from Minnesota utilities, advocates, and regional and national experts (see full list of participating organizations in the Appendix). Many of these active participants also submitted detailed written comments at several stages of the workshop series.⁹

The Department selected Clean Power Research (CPR) to support the process of developing the methodology.

Each stakeholder workshop built on the prior one:

Stakeholder Workshop 1 (8:30am – 4pm, September 17, 2013):

- Presented and discussed Value of Solar concepts and work to date around the country;
- Developed a shared understanding of the range and complexity of Value of Solar methods;
- Prepared stakeholders to be actively engaged in the VOS methodology development.

Stakeholder Written Comments - Initial (September 20, 2013)

These initial comments were used to frame the Stakeholders Perspectives portion of Workshop 2.

Stakeholder Workshop 2 (8:30am – 4pm, October 1, 2013):

- Introduced the Department's proposed approach to the methodology;
- Heard the responses and perspectives of stakeholders and utilities;
- Identified key issues for further discussion and development.

⁹ <http://mn.gov/commerce/energy/topics/resources/energy-legislation-initiatives/value-of-solar-tariff-methodology%20.jsp>

Stakeholder Written Comments – Key Issues (October 8, 2013)

These comments were used to frame the October 15th Stakeholder Workshop

Stakeholder Workshop 3 (8:30am – 3pm, October 15, 2013):

- Reviewed and discussed key issues identified by stakeholders;
- Prioritized key unresolved issues;
- Discussed options for resolution.

Stakeholder Workshop 4 (8:30am – Noon, November 19, 2013):

- Presented draft methodology;
- Answered clarification questions regarding the methodology;
- Reviewed timeline for stakeholder written comments.

Stakeholder Written Comments – Draft Methodology (December 10, 2013)

These comments were used to inform the final draft VOS Methodology

The full set of workshop agendas, including presenters and participating organizations, is attached in the Appendix.

All workshop materials were posted prior to each workshop and all stakeholder written comments were posted in a timely manner to maximize stakeholder engagement and participation.¹⁰

III. ISSUES FOR THE COMMISSION TO CONSIDER

The Minnesota VOS Methodology is based on the enabling statute, input from the four stakeholder workshops and 47 sets of written comments, and Department analysis.

The VOS is not an incentive for distributed PV, nor is it intended to eliminate or prevent current or future incentive programs.

The objectives of the VOS Methodology are to:

- Accurately account for all relevant value streams (benefits net of costs) from a societal perspective as required by Minnesota statutes;
- Simplify the methodology and the input data set (where possible and warranted);
- Provide transparency; and
- Facilitate modification, if necessary, in future years.

¹⁰ <http://mn.gov/commerce/energy/topics/resources/energy-legislation-initiatives/value-of-solar-tariff-methodology%20.jsp>

As indicated in the statutory language cited above, the legislature identified a VOS tariff as an alternative to existing Net Energy Metering tariffs that currently compensate home and business owners that own PV systems for their electricity production.

Key aspects of the VOS Methodology include:

- A standard PV rating convention
- Methods for creating an hourly PV production time-series, representing the aggregate output of all PV systems in the service territory per unit of capacity corresponding to the output of a PV resource on the margin
- Requirements for calculating the electricity losses of the transmission and distribution systems
- Methods for performing technical calculations for avoided energy, effective generation capacity and effective distribution capacity
- Economic methods for calculating each value component (e.g., avoided fuel cost, capacity cost, avoided environmental cost, etc.)
- Requirements for summarizing input data and final calculations in order to facilitate review and understanding

Application of the methodology results in the creation of two tables: 1) the VOS Data Table (a table of utility-specific input assumptions), and 2) the VOS Calculation Table (a table of utility-specific total value of solar). Together these two tables ensure stakeholder transparency and facilitate stakeholder understanding.

The VOS Calculation Table is illustrated below. The table shows each value component and identifies how the gross value of each component is converted into a distributed solar value. The process uses a component-specific load match factor (where applicable) and a component-specific Loss Savings Factor. The values are then summed to yield the 25-year levelized value.

VOS Calculation Table: economic value, load match, loss savings, and distributed PV value.

| 25 Year Levelized Value | $\text{Gross Value} \times \text{Load Match Factor} \times (1 + \text{Loss Savings Factor}) = \text{Distributed PV Value}$ | | | |
|-------------------------------|--|------|------------|----------|
| | (\$/kWh) | (%) | (%) | (\$/kWh) |
| Avoided Fuel Cost | GV1 | | LSF-Energy | V1 |
| Avoided Plant O&M - Fixed | GV2 | | LSF-Energy | V2 |
| Avoided Plant O&M - Variable | GV3 | | LSF-Energy | V3 |
| Avoided Gen Capacity Cost | GV4 | ELCC | LSF-ELCC | V4 |
| Avoided Reserve Capacity Cost | GV5 | ELCC | LSF-ELCC | V5 |
| Avoided Trans. Capacity Cost | GV6 | ELCC | LSF-ELCC | V6 |
| Avoided Dist. Capacity Cost | GV7 | PLR | LSF-PLR | V7 |
| Avoided Environmental Cost | GV8 | | LSF-Energy | V8 |
| Avoided Voltage Control Cost | | | | |
| Solar Integration Cost | | | | |

Value of Solar

As a final step, the methodology calls for the conversion of the 25-year levelized value to an equivalent inflation-adjusted credit rate. The inflation-adjusted credit rate is intended to ensure that the credit's value will remain proportional to future costs of other electricity generation methods, while also meeting the statute's requirement that solar generators receiving VOS credits be paid the same rate during the contract's life (in real value terms).

The utility would then use the first year value as the credit for solar customers, and would adjust the rate each year using the latest Consumer Price Index (CPI) data for 25 years. For future solar interconnections under the VOS tariff, the utility is required to recalculate the VOS rate and file the new rate with the Commission. Recalculated VOS rates will also be adjusted for inflation annually.

The VOS methodology is detailed in the attached document: ***Minnesota Value of Solar: Methodology***.

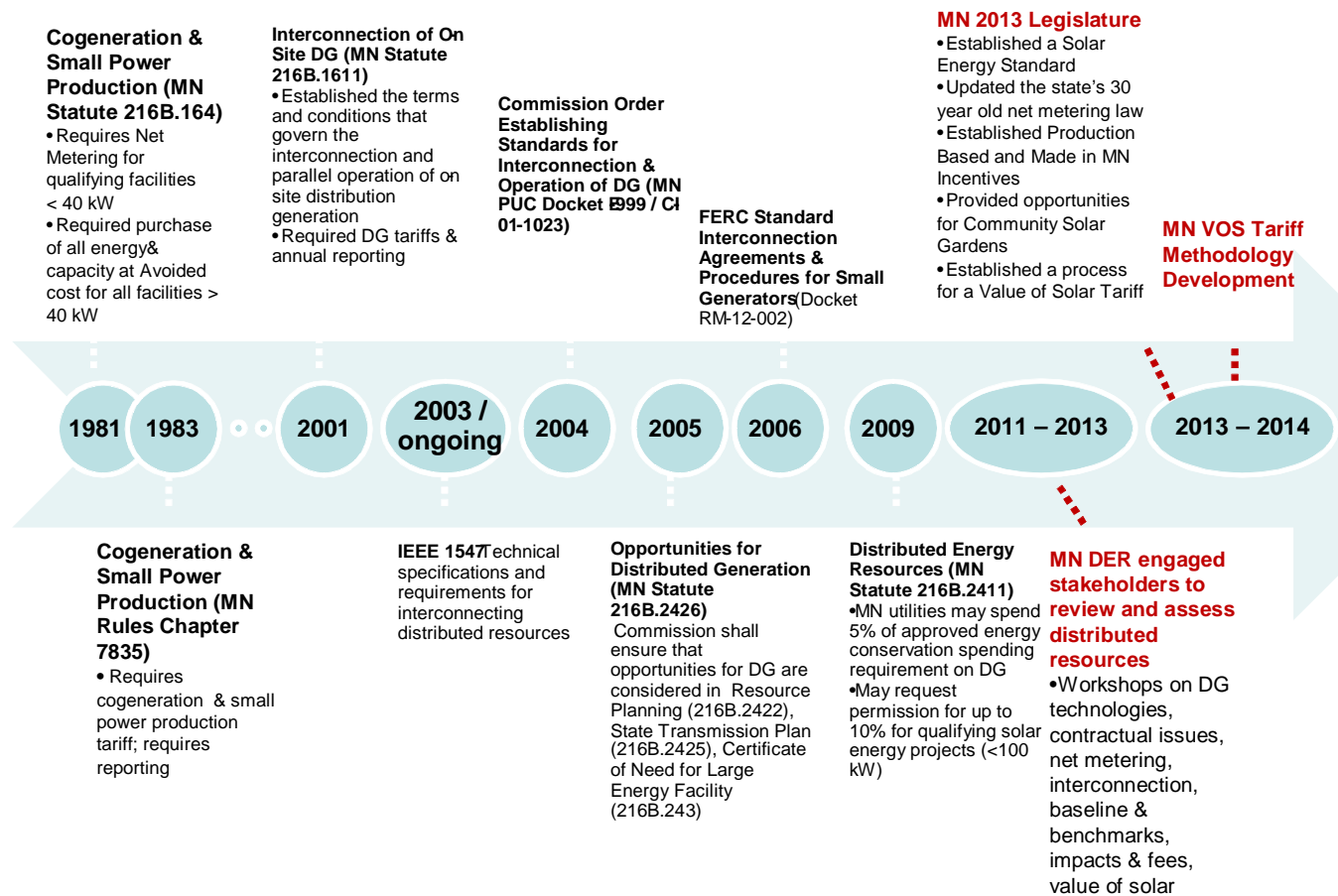
V. CONCLUSIONS AND RECOMMENDATIONS

The Department recommends that the Minnesota Public Utilities Commission (Commission) approve the methodology as detailed in the attached document: ***Minnesota Value of Solar: Methodology***. The Department is available to answer any questions the Commission may have.

Appendix

- Timeline, Minnesota DG and VOS activities
- Legislation, Alternative Tariff / VOS
- MN DER VOS Stakeholder Workshops

Timeline of Minnesota Distributed Generation and Value of Solar Activities



**Stakeholder Workshops for Minnesota Value of Solar Methodology
Minnesota Department of Commerce Division of Energy Resources**

Stakeholder Workshop 1 (September 17, 2013):

Objectives:

- Learn about Value of Solar concepts and work to date around the country;
- Develop a shared understanding of the range and complexity of Value of Solar methods;
- Prepare stakeholders to be actively engaged in the VOS methodology development.

Agenda:

- 8:30 Welcome**.....Commissioner Mike Rothman (Commerce)
- 8:45 Opening Remarks**..... Deputy Commissioner Bill Grant (Commerce DER)
A Review of Solar PV Benefit and Cost Studies
– Rocky Mountain Institute, Lena Hansen & Virginia Lacy
- 9:15 Framing the Need & Setting the Stage**..... RMI
- National dialogue, overview of distributed energy resources, emerging market & structural issues
 - Categories of benefit and cost, stakeholder perspectives, flow of benefits & cost to stakeholders
- 9:45 Overview of Studies** RMI
- Introduction, results, key implications & insights
- 10:30 Break**
- 10:45 Key Findings about the Benefits and Costs** RMI
- Benefit/cost category definitions, why & how values differ across studies, insights & implications
- 12:00 Lunch**
- 1:15 Key Findings about the Benefits and Costs (continued)**
- 2:45 Takeaways and Implications to Consider**..... RMI
- MN VOS legislation (context), key considerations and choices for Minnesota’s process
- 3:45 Next Steps**..... Commerce DER
- 4:00 Adjourn**

Presenters:

RMI is an independent nonprofit “think-and-do tank” working with industry, government and other market leaders to drive the efficient and restorative use of resources. Through its Electricity

Innovation Lab (eLab) project, RMI has developed and recently released a meta-analysis of solar PV benefit and cost studies, available at www.rmi.org/elab_empower.

Lena Hansen is a Principal with RMI's electricity practice. Lena co-leads the Electricity Innovation Lab (eLab), a consortium of ~40 leading institutions including utilities, customers, developers, and regulators focused on collaborative innovation to address critical institutional, regulatory, business, economic, and technical barriers to the economic deployment of distributed resources. She coauthored the electricity chapter of RMI's recent book *Reinventing Fire: Bold Business Solutions for a New Energy Era*. In her work at RMI, Lena specializes in design innovation, pricing & business models, and energy strategy in the electricity sector. Lena holds a Master of Environmental Management in Environmental Economics and Policy from Duke University, with a focus on energy, and a Bachelor of Arts, Physics and Astronomy, from the University of North Carolina at Chapel Hill.

Virginia Lacy is a Senior Consultant with RMI's electricity practice. She specializes in electric utility resource planning and corporate energy and climate strategy. Virginia manages RMI's DOE SunShot funded project, Innovative Solar Business Models, which is aimed to partner with key electricity sector actors and pilot-test new solar business models that recognize and create value for multiple stakeholders. She is a member of the senior team that leads RMI's Electricity Innovation Lab, and is managing eLab's work in new business models. Virginia holds Master of Environmental Management, Yale University and a Bachelor of Arts, Government, University of Virginia.

Stakeholder participants (number attending if more than one per organization) included:

Abengoa Solar, Aladdin Solar, Allco Renewable Energy, Alliant Energy, Applied Energy Innovations, Baker Associates, Best Power International, Center for Energy and Environment (2), CenterPoint Energy, City of Saint Paul, Connexus Energy, CR Planning, Dairyland Power Cooperative, DThayer and Associates, EDF Renewable Energy, Flaherty & Hood, Franklin Ecos Energy, Energy Services, Fresh Energy (4), Geronimo Energy (2), Great River Energy, Geronimo Energy (2), Gexpro, Ideal Energies, IEER, Innovative Power Systems (3), Institute for Local Self Reliance, IWLA, Kandiyohi County EDC, LHB, LLS Resources, Metropolitan Council, MN Community Solar, MN Solar Sales, MN Valley Electric Cooperative, MCEA, Minnesota Chamber of Commerce, Minnesota Municipal Utility Association, Minnesota Power (45), MnSEIA (4), MRETS (2), MRES, Novel Energy Solutions, NP Solar Development, Otter Tail Power (5), Owatonna Public Utilities, PAR Energy Solutions, Powerfully Green (2), Renewable Energy Services, Rochester Public Utilities, Runestone Electric Association, Silent Power, Solar Integration, Solart, SMMPA, Stoel Rives, Sundial Solar, TenkSolar (2), The Energy Source, The Minnesota Project, TruNorth Solar, University of Minnesota, Viking Electric Supply, Werner Electric, WindLogics, Wright-Hennepin Cooperative Electric, Xcel Energy (7)

Stakeholder Written Comments - Initial (September 20, 2013)

These initial comments were used to frame the Stakeholders Perspectives portion of Workshop 2.

Stakeholder Workshop 2 (October 1, 2013):**Objectives:**

- Introduce the Department 's proposed approach to the methodology;
- Hear the responses and perspectives of stakeholders and investor owned utilities;
- Identify key issues for further discussion and development.

Agenda:

8:30 Welcome & Opening Remarks..... Deputy Commissioner Bill Grant (Commerce DER)

Workshop Facilitator..... Matt Schuerger (Commerce DER)

8:45 Commerce Proposed Approach to Methodology

- Presentation by Clean Power Research..... Tom Hoff and Ben Norris (CPR)

10:15 Break

10:30 Investor Owned Utility Responses to Commerce/CPR & Perspectives on Methodology

- Presentation by Xcel Energy (Steve Wishart)
- Perspectives of Minnesota Power (Tina Koecher) and Otter Tail Power (Brian Draxton)

11:15 Minnesota Stakeholder Responses & Perspectives

- Perspectives of Geronimo Energy, CR Planning (Brian Ross), WindLogics (Mark Ahlstrom), and Community Solar LLC (Ken Bradley)

12:00 Lunch

1:15 National Stakeholder Responses to Commerce/CPR & Perspectives on Methodology

- Presentations by the Interstate Renewable Energy Council (Joe Wiedman) and by the Vote Solar Initiative/Environmental Law & Policy Center (Rick Gilliam)
- Perspectives of The Alliance for Solar Choice (Tim Lindl) and Union of Concerned Scientists (Steve Clemmer)

2:15 Minnesota Stakeholder Responses & Perspectives

- Presentations by the Institute for Local Self-Reliance (John Farrell) and Fresh Energy (Erin Stojan Ruccolo)
- Perspectives of the MN Solar Energy Industries Association (Lynn Hinkle), Solar Rate Reform Group/MN Chamber of Commerce (Larry Schedin), and Izaak Walton League of America (Eric Jensen)

3:45 Next StepsCommerce DER

4:00 Adjourn

Presenters:

Clean Power Research has 15 years of experience providing consulting and commercial software products designed to solve problems associated with PV asset design and management for federal government and state energy agencies, and investor-owned and municipal utilities. Clean Power

Research has been performing Value of Solar studies since the company was founded in 1998. In the past two years alone, Clean Power Research has performed or supported more than ten value of solar studies, including studies in Arizona, San Diego, Utah, New Jersey, San Antonio and Pennsylvania. Clean Power Research also conducted the value of solar study that led to the introduction of Austin Energy's ground-breaking value of solar tariff. For more information, visit www.cleanpower.com.

Tom Hoff is the Founder of Clean Power Research and President of its Research and Consulting Group. Tom pioneered the science of valuing distributed solar generation, and holds several patents in the area of PV fleet power estimation. His research in areas such as the value of PV, risk management and renewables, and methods to characterize PV intermittency are integrated into the company's commercial-grade software services. Tom began his career at Pacific Gas and Electric Company. He holds a Ph.D. from Stanford University's School of Engineering.

Ben Norris is a Senior Consultant and manager of the Clean Power Research Consulting Group. Ben's expertise in the areas of distributed generation are applied to technical analyses and development of new solar analysis tools. Subject areas include economic valuation of distributed PV, output variability and forecasting, energy storage technology, and incentive program design. After earning a degree in Mechanical Engineering from Stanford University in 1985, Ben worked as a research engineer at PG&E, later as an independent consultant.

Stakeholder participants (number attending if more than one per organization) included:

Abengoa Solar, Array Solar, Applied Energy Innovations, Baker Associates, Barr Engineering, Best Power International, Bevarra Advisors, City of Minneapolis, City of Saint Paul, CMMPA, Connexus Energy, CR Planning, Dairyland Power Cooperative, Dakota Electric Association, DT Renewables, Dorsey & Whitney, EDF Renewable Energy (2), ELPC, Franklin Energy Services, Fresh Energy (2), Geronimo Energy (3), Great River Energy (2), Harvest Energy Solutions, Ideal Energies, IEER, IREC, IWLA, Innovative Power Systems (2), Institute for Local Self Reliance, JJR Power, Kandiyo Consulting, LHB, Metropolitan Council, LLS Resources, Minnesota Chamber of Commerce, MN Community Solar, MCTC, Minnesota Municipal Utility Association (2), Minnesota Power (4), Minnesota Rural Electric Association, MnSEIA (3), MN Solar Sales, MN Valley Electric Cooperative, MRETS (2), MRES, Otter Tail Power (4), NP Solar Development, Powerfully Green (2), Provectus Energy Development, Rai Energy, Renewable Energy Services, Rochester Public Utilities, Runestone Electric Association, Schwickerts Tecta America, Solart, Solscient Energy Sundial Solar, tenKsolar (2), The Alliance for Solar Choice, SolarPod, SunEdison, TruNorth Solar, SMMPA, Union of Concerned Scientists, Viking Electric Supply, Vote Solar, University of Minnesota, Westwood, Werner Electric, WindLogics, Windustry, Xcel Energy (13), Zinniel Electric

Stakeholder Written Comments – Key Issues (October 8, 2013)

These comments were used to frame the October 15th Stakeholder Workshop

Stakeholder Workshop 3 (October 15, 2013):**Objectives:**

- Review and discuss key issues identified by stakeholders;
- Prioritize key unresolved issues;
- Discuss options for resolution.

Agenda:

- 8:30 Welcome, Opening Remarks, Follow Up** Deputy Commissioner Bill Grant,
Commerce DER
- 8:50 Presentations – perspectives on components, methodologies, expected range**
- Perspective of Xcel Energy (30 minutes)
 - Perspective of Environmental Law and Policy Center / Fresh Energy /
Interstate Renewable Energy Council / Vote Solar Initiative (30 minutes)
 - Q & A (after each presentation) Matt Schuerger, Commerce DER
- 10:15 Break**
- 10:30 Presentations on Key Methodologies**
- Distribution Capacity Value (20 minutes) Ben Norris, Clean Power Research
 - Fuel Price Guarantee Value (20 minutes) Tom Hoff, Clean Power Research
 - Environmental Value (20 minutes) Karl Rabago, Rabago Energy LLC
 - Q & A (after each presentation) Matt Schuerger, Commerce DER
- 12:00 Lunch**
- 1:15 Facilitated Stakeholder Discussion** Commerce DER
- 2:45 Wrap Up and Next Steps** Bill Grant, Commerce DER
- 3:00 Adjourn**

Presenters:

Clean Power Research has 15 years of experience providing consulting and commercial software products designed to solve problems associated with PV asset design and management for federal government and state energy agencies, and investor-owned and municipal utilities. Clean Power

Research also conducted the value of solar study that led to the introduction of Austin Energy's ground-breaking value of solar tariff. For more information, visit www.cleanpower.com.

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Ben Norris is a Senior Consultant and manager of the Clean Power Research Consulting Group. Ben's expertise in the areas of distributed generation are applied to technical analyses and development of new solar analysis tools. Subject areas include economic valuation of distributed PV, output variability and forecasting, energy storage technology, and incentive program design. After earning a degree in Mechanical Engineering from Stanford University in 1985, Ben worked as a research engineer at PG&E, later as an independent consultant.

Karl Rábago is the Principal of Rábago Energy, LLC. Karl is an attorney with more than 20 years of experience in utility regulation and clean energy, including as a former utility executive with Austin Energy and the AES Corporation, Commissioner for the Texas Public Utility Commission, and Deputy Assistant Secretary for the U.S. Department of Energy. For more information visit: <http://rabagoenergy.com/>.

Stakeholder participants (number attending if more than one per organization) included:

Abengoa Solar, Applied Energy Innovations, Array Solar, Baker Associates Consultants, Barr Engineering, Center for Energy and Environment, Connexus Energy, Dairyland Power, DT Renewables, City of Minneapolis, City of Saint Paul, CR Planning, EDF Renewable, ELPC, Eutectics Consulting, Flaherty & Hood, Franklin Energy, Fresh Energy (4), Geronimo Energy (3), Innovative Power Systems, Institute for Local Self-Reliance, IREC, Gexpro, Great River Energy (2), Harvest Energy Solutions, Ideal Energies, IWLA, JJR Power, MCEA, MCES, MN Chamber of Commerce, MNCS, MN Municipal Utilities Association (2), Minnesota Rural Electric Association, Minnesota Power (4), MN Solar Sales, MN Valley Electric Cooperative, MRETS, LLS Resources, MnSEIA (3), NP Solar Development, Larkin Hoffman, Otter Tail Power (2), PRC, RENEW Wisconsin, Renewable Energy Services, Rochester Public Utilities, Runestone Electric Association, Silent Power, SolarPod, SMMPA, Stoel Rives, Sundial Solar, SunEdison, The Alliance for Solar Choice, The Energy Source, University of Minnesota, Viking electric Supply, Werner Electric, WindLogics, Windustry, Xcel Energy (10)

Stakeholder Workshop 4 (November 19, 2013):Objectives:

- Present draft methodology;
- Answer clarification questions regarding the methodology;
- Review timeline for stakeholder written comments.

Agenda:

8:30 Welcome and Opening Remarks.....Deputy Commissioner Bill Grant, Commerce DER

8:45 Presentation of Draft Methodology.....Commerce DER and Clean Power Research

10:15 Break

10:30 Facilitated Stakeholder Q&A – Clarification of Draft Methodology Matt Schuerger,
Commerce DER

11:50 Wrap Up and Next Steps.....Bill Grant, Commerce DER

Noon Adjourn

Stakeholder participants (number attending if more than one per organization) included:

Abengoa Solar, Alladin Solar, Applied Energy Innovations, Array Solar, Blue Horizon Energy, Center for Energy and Environment, City of Minneapolis, City of Saint Paul, CMMPA, Connexus Energy, Cooperative Energy Futures, DTrenewables, EDF Renewable Energy, Dairyland Power Cooperative, Dorsey & Whitney, ELPC, Evergreen Energy, Flaherty & Hood, Franklin Energy, Fresh Energy (3), Geronimo Energy (2), Great River Energy (2), Ideal Energies, IEER, Innovative Power Systems, IREC, JJR Power, Kandiyo Consulting, Minnesota Chamber of Commerce, MnSEIA Moorhead Public Service, Novel Energy Solutions, Institute for Local Self Reliance, LHB, MN Valley Electric Cooperative, MRES, MRETS (2), MnSEIA (3), Minnesota Municipal Power Association, Minnesota Power (3) NorthTek Services, Otter Tail Power (2), Peak Power MN, Powerfully Green, Rochester Public Utilities, Runestone Electric Association, SMMPA, Solar Integration, SolarPod, Sundial Solar, tenKsolar (2), The Minnesota Project, University of Minnesota, Viking Electric Supply, Vote Solar, Werner Electric, WindLogics, Wright Hennepin Electric, Xcel Energy (8)

Stakeholder Written Comments – Draft Methodology (December 10, 2013)

These comments were used to inform the final draft VOS Methodology

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
Comments**

Docket No. E999/M-14-65

Dated this 31st day of **January 2014**

/s/Sharon Ferguson

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|-------------|-----------|----------------------------------|------------------------------------|--|--------------------|-------------------|---------------------------------|
| Ross | Abbey | abbey@fresh-energy.org | Fresh Energy | 408 Saint Peter St Ste 220 St. Paul, MN 55102-1125 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Michael | Allen | michael.allen@allenergysolar.com | All Energy Solar | 721 W 26th st Suite 211 Minneapolis, Minnesota 55405 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Julia | Anderson | Julia.Anderson@ag.state.mn.us | Office of the Attorney General-DOC | 1800 BRM Tower 445 Minnesota St St. Paul, MN 551012134 | Electronic Service | Yes | SPL_SL_14-65_Interested Parties |
| Christopher | Anderson | canderson@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022191 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| John | Aune | johna@bluehorizonsolar.com | Blue Horizon Energy | 7246 Washington Ave S Eden Prairie, MN 55344 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Kenneth | Baker | N/A | Wal-Mart Stores, Inc. | 2001 SE 10th St. Bentonville, AZ 72716-5530 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Gail | Baranko | gail.baranko@xcelenergy.com | Xcel Energy | 414 Nicollet Mall 7th Floor Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Peter | Beithon | pbeithon@otpc.com | Otter Tail Power Company | P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Sara | Bergan | sebergan@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| James J. | Bertrand | james.bertrand@leonard.com | Leonard Street & Deinard | 150 South Fifth Street, Suite 2300 Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| | | | | | | | |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|------------------------------|-----------------------------------|--|--------------------|-------------------|---------------------------------|
| Derek | Bertsch | derek.bertsch@mrenergy.com | Missouri River Energy Services | 3724 West Avera Drive PO Box 88920 Sioux Falls, SD 57109-8920 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Thor | Bjork | Thor.S.Bjork@xcelenergy.com | Xcel Energy | 414 Nicollet Mall Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| William A. | Blazar | bblazar@mnchamber.com | Minnesota Chamber Of Commerce | Suite 1500 400 Robert Street North St. Paul, MN 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Kenneth | Bradley | ken@mncommunitysolar.com | Minnesota Community Solar | 4000 Minnehaha Ave Minneapolis, MN 55406 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Michael | Bradley | mike.bradley@lawmoss.com | Moss & Barnett | Suite 4800 90 S 7th St Minneapolis, MN 55402-4129 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Jon | Brekke | jbrekke@greenergy.com | Great River Energy | 12300 Elm Creek Boulevard Maple Grove, MN 553694718 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Mark B. | Bring | mbring@otpc.com | Otter Tail Power Company | 215 South Cascade Street PO Box 496 Fergus Falls, MN 565380496 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Christina | Brusven | cbrusven@fredlaw.com | Fredrikson & Byron, P.A. | 200 S 6th St Ste 4000 Minneapolis, MN 554021425 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Michael J. | Bull | N/A | Center for Energy and Environment | 212 Third Avenue North, Suite 560 Minneapolis, MN 55401 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Jessica | Burdette | jessica.burdette@state.mn.us | Department of Commerce | 85 7th Place East Suite 500 St. Paul, MN 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|------------|---------------------------------------|--|---|--------------------|-------------------|---------------------------------|
| Joel | Cannon | jcannon@tenksolar.com | Tenk Solar, Inc. | 9549 Penn Avenue S Bloomington, MN 55431 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Tammie | Carino | tcarino@GREnergy.com | Great River Energy | 12300 Elm Creek Blvd. Maple Grove, MN 55369-4718 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Douglas M. | Carnival | | McGrann Shea Anderson Carnival | Straugn & Lamb 800 Nicollet Mall, Suite 2600 Minneapolis, MN 554027035 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| John J. | Carroll | jcarroll@newportpartners.com | Newport Partners, LLC | 9 Cushing, Suite 200 Irvine, California 92618 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Aakash | Chandarana | Aakash.Chandara@xcelenergy.com | Xcel Energy | 414 Nicollet Maill 5th Floor Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Steve W. | Chriss | Stephen.chriss@walmart.com | Wal-Mart | 2001 Southeast 10th St. Bentonville, AZ 72716-5530 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Kenneth A. | Colburn | kcolburn@symbioticstrategies.com | Symbiotic Strategies, LLC | 26 Winton Road Meredith, NH 32535413 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Steve | Coleman | scoleman@appliedenergyinnovations.org | Applied Energy Innovations | 4000 Minnehaha Ave S Minneapolis, MN 55406 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| George | Crocker | gwillc@nawo.org | North American Water Office | PO Box 174 Lake Elmo, MN 55042 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Mark F. | Dahlberg | markdahlberg@nweco.com | Northwestern Wisconsin Electric Company | P.O. Box 9 104 South Pine Street Grantsburg, WI 548400009 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|---|--|--|--------------------|-------------------|---------------------------------|
| Lisa | Daniels | lisadaniels@windustry.org | Windustry | 201 Ridgewood Avenue Minneapolis, MN 55403 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Jeffrey A. | Daugherty | jeffrey.daugherty@centerpointenergy.com | CenterPoint Energy | 800 LaSalle Ave Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Chris | Davis | christopher.davis@state.mn.us | Department of Commerce | Suite 500 85 Seventh Place East St. Paul, MN 551012198 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Dustin | Denison | dustin@appliedenergyinnovations.org | Applied Energy Innovations | 4000 Minnehaha Ave S Minneapolis, MN 55406 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| James | Denniston | james.r.denniston@xcelenergy.com | Xcel Energy Services, Inc. | 414 Nicollet Mall, Fifth Floor Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Curt | Dieren | cdieren@dgrnet.com | L&O Power Cooperative | 1302 South Union Street PO Box 511 Rock Rapids, IA 51246 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Ian | Dobson | ian.dobson@ag.state.mn.us | Office of the Attorney General-RUD | Antitrust and Utilities Division 445 Minnesota Street, BRM Tower St. Paul, MN 55101 | Electronic Service | Yes | SPL_SL_14-65_Interested Parties |
| Dan | Donkers | N/A | Saint Paul - Ramsey County Public Health | Environmental Health Section 2785 White Bear Ave. Suite 350 Maplewood, MN 55109 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Bill | Droessler | N/A | Izaak Walton League of America-MWO | 1619 Dayton Ave Ste 202 Saint Paul, MN 55104 | Paper Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|----------------|---------------------------------|---------------------------------------|--|--------------------|-------------------|---------------------------------|
| Mike | Eggl | smeier@bepc.com | Basin Electric Power Cooperative | 1717 East Interstate Avenue Bismarck, ND 58503 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Kristen | Eide Tollefson | HealingSystems@earthlink.net | R-CURE | P O Box 129 Frontenac, MN 55026 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Rebecca | Eilers | rebecca.d.eilers@xcelenergy.com | Xcel Energy | 414 Nicollet Mall, 7th Floor Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Betsy | Engelking | betsy@geronimoenergy.com | Geronimo Energy | 7650 Edinborough Way Suite 725 Edina, MN 55435 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Oncu | Er | oncu.er@avantenergy.com | Avant Energy, Agent for MMPA | 220 S. Sixth St. Ste. 1300 Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Rick | Evans | Rick.Evans@xcelenergy.com | Xcel Energy | 404 Nicollet Mall Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| John | Farrell | jfarrell@ilsr.org | Institute for Local Self-Reliance | 1313 5th St SE #303 Minneapolis, MN 55414 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Pam | Fergen | | Hennepin County Government Center CAO | A2000 300 S. Sixth Street Minneapolis, MN 55487 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Sharon | Ferguson | sharon.ferguson@state.mn.us | Department of Commerce | 85 7th Place E Ste 500 Saint Paul, MN 551012198 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Cathy | Fogale | cfogale@otpc.com | Otter Tail Power Company | 215 South Cascade Street PO Box 496 Fergus Falls, MN 56537 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|----------------|-----------------------------|--|--|--------------------|-------------------|---------------------------------|
| Nathan | Franzen | nathan@geronimoenergy.com | Geronimo Energy | 7650 Edinborough Way Suite 725 Edina, MN 55435 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Amy | Fredregill | amy@mrets.org | Midwest Renewable Energy Tracking System, Inc. | 1885 University Avenue West, #315 St. Paul, MN 55104 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Lori | Frisk Thompson | lorift@cmtmpa.org | Central MN MPA | 459 S Grove St Blue Earth, MN 56013 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Lee | Gabler | Lee.E.Gabler@xcelenergy.com | Xcel Energy | 404 Nicollet Mall Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Gary | Garbe | Gary.Garbe@avantenergy.com | Minnesota Municipal Power Agency | 200 South Sixth Street Suite 300 Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Edward | Garvey | garveyed@aol.com | Residence | 32 Lawton St Saint Paul, MN 55102 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Darrell | Gerber | | Clean Water Action Alliance of Minnesota | 308 Hennepin Ave. E. Minneapolis, MN 55414 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Benjamin | Gerber | bgerber@mchamber.com | Minnesota Chamber of Commerce | 400 Robert Street North Suite 1500 St. Paul, Minnesota 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Bruce | Gerhardson | bgerhardson@otpc.com | Otter Tail Power Company | PO Box 496 215 S Cascade St Fergus Falls, MN 565380496 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Allen | Gleckner | agleckner@elpc.org | Environmental Law & Policy Center | 2356 University Ave W. Suite 403 St. Paul, Minnesota 55114 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|------------|------------------------------------|--------------------------------------|--|--------------------|-------------------|---------------------------------|
| Elizabeth | Goodpaster | bgoodpaster@mncenter.org | MN Center for Environmental Advocacy | Suite 206 26 East Exchange Street St. Paul, MN 551011667 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Bryan | Gower | N/A | APX, Inc. | 224 Airport Parkway Suite 600 San Jose, CA 95110 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Bill | Grant | Bill.Grant@state.mn.us | Minnesota Department of Commerce | 85 7th Place East, Suite 500 St. Paul, MN 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Lloyd | Grooms | lgrooms@winthrop.com | Winthrop and Weinstine | Suite 3500 225 South Sixth Street Minneapolis, MN 554024629 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Timothy | Gulden | info@winonarenewableenergy.com | Winona Renewable Energy, LLC | 1449 Ridgewood Dr Winona, MN 55987 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Burl W. | Haar | burl.haar@state.mn.us | Public Utilities Commission | Suite 350 121 7th Place East St. Paul, MN 551012147 | Electronic Service | Yes | SPL_SL_14-65_Interested Parties |
| Tony | Hainault | anthony.hainault@co.hennepin.mn.us | Hennepin County DES | 701 4th Ave S Ste 700 Minneapolis, MN 55415-1842 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| J Drake | Hamilton | hamilton@fresh-energy.org | Fresh Energy | 408 St Peter St Saint Paul, MN 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Samuel | Hanson | N/A | Briggs And Morgan, P.A. | 2200 IDS Center E 80 South Eighth Street Minneapolis, MN 55402 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Sam | Hanson | shanson@briggs.com | Briggs and Morgan, PA | 2200 IDS Center 80 South Eighth Street Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|----------------------------------|---|---|--------------------|-------------------|---------------------------------|
| Jack | Hays | jack.hays@westwoodps.com | Westwood Professional Services | 7699 Anagram Drive Eden Prairie, MN 55344 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Bill | Heaney | billheaney@billheaney.com | IBEW Minnesota State Council | 3931 Silver Lake Rd NE St. Anthony Village, MN 55421 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Brandon | Heath | bheath@misoenergy.org | MISO Energy | 1125 Energy Park Drive St. Paul, MN 55108-5001 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| John | Helmers | helmers.john@co.olmsted.mn.us | Olmsted County Waste to Energy | 2122 Campus Drive SE Rochester, MN 55904-4744 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Jared | Hendricks | hendricksj@owatonnautilities.com | Owatonna Public Utilities | PO Box 800 208 S Walnut Ave Owatonna, MN 55060-2940 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Annete | Henkel | mui@mutilityinvestors.org | Minnesota Utility Investors | 413 Wacouta Street #230 St. Paul, MN 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Jessy | Hennesy | jessy.hennesy@avantenergy.com | Avant Energy | 220 S. Sixth St. Ste 1300 Minneapolis, Minnesota 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Lynn | Hinkle | lhinkle@mnseia.org | Minnesota Solar Energy Industries Association | 2512 33rd Ave South #2 Minneapolis, MN 55406 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Holly | Hinman | holly.r.hinman@xcelenergy.com | Xcel Energy | 414 Nicollet Mall, 6th Floor Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Margaret | Hodnik | mhodnik@mpower.com | Minnesota Power | 30 West Superior Street Duluth, MN 55802 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|----------------------------------|----------------------------------|--|--------------------|-------------------|---------------------------------|
| David | Horneck | david.g.horneck@xcelenergy.com | Xcel Energy | 1800 Larimer Street Denver, CO 80202 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Ashley | Houston | | | 120 Fairway Rd Chestnut Hill, MA 24671850 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Lori | Hoyum | lhoyum@mnpower.com | Minnesota Power | 30 West Superior Street Duluth, MN 55802 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Jan | Hubbard | Jan@AppliedEnergyInnovations.org | Applied Energy Innovations, LLC | 4000 Minnehaha Avenue South Minneapolis, MN 55406 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Jan | Hubbard | jan.hubbard@comcast.net | | 7730 Mississippi Lane Brooklyn Park, MN 55444 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Anne | Hunt | anne.hunt@ci.stpaul.mn.us | City of Saint Paul | 390 City Hall 15 West Kellogg Boulevard Saint Paul, MN 55102 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Steve | Huso | steve.huso@xcelenergy.com | Xcel Energy | G.O. 7th Floor 414 Nicollet Mall Minneapolis, MN 554011993 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Casey | Jacobson | cjacobson@bepc.com | Basin Electric Power Cooperative | 1717 East Interstate Avenue Bismarck, ND 58501 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Ralph | Jacobson | N/A | Innovative Power Systems, Inc. | 1413 Hunting Valley Rd Ste 1 Saint Paul, MN 55109-1555 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| | | | | | | | |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|------------------------------------|------------------------------------|--|--------------------|-------------------|---------------------------------|
| Dwight | Jelle | dkjelle@gmail.com | Best Power International, LLC | P.O. 5126 Hopkins, MN 55343 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Alan | Jenkins | aj@jenkinsatlaw.com | Jenkins at Law | 2265 Roswell Road Suite 100 Marietta, GA 30062 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Eric | Jensen | ejensen@iwla.org | Izaak Walton League of America | Suite 202 1619 Dayton Avenue St. Paul, MN 55104 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Linda | Jensen | linda.s.jensen@ag.state.mn.us | Office of the Attorney General-DOC | 1800 BRM Tower 445 Minnesota Street St. Paul, MN 551012134 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Richard | Johnson | Rick.Johnson@lawmoss.com | Moss & Barnett | 90 South 7th Street Suite #4800 Minneapolis, MN 554024129 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Larry | Johnston | lw.johnston@smmpa.org | SMMPA | 500 1st Ave SW Rochester, MN 55902-3303 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Nate | Jones | njones@hcpd.com | Heartland Consumers Power | PO Box 248 Madison, SD 57042 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Michael | Kampmeyer | mkampmeyer@a-e-group.com | AEG Group, LLC | 260 Salem Church Road Sunfish Lake, Minnesota 55118 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Mark J. | Kaufman | mkaufman@ibewlocal949.org | IBEW Local Union 949 | 12908 Nicollet Avenue South Burnsville, MN 55337 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Nancy | Kelly | bademailnancyk@eurekarecycling.org | Eureka Recycling | 2828 Kennedy Street NE Minneapolis, MN 55413 | Paper Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|-------------------------------|-----------------------------|---|--------------------|-------------------|---------------------------------|
| Julie | Ketchum | N/A | Waste Management | 20520 Keokuk Ave Lakeville, MN 55044 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Kerry | Klemm | kerry.r.klemm@xcelenergy.com | Xcel Energy Services, Inc | 414 Nicollet Mall Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| John | Kluempke | jkluempke@winlectric.com | Elk River Winlectric | 12777 Meadowvale Rd Elk River, MN 55330 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Thomas G. | Koehler | N/A | Local Union #160, IBEW | 2909 Anthony Ln Minneapolis, MN 55418-3238 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Mara | Koeller | mara.n.koeller@xcelenergy.com | Xcel Energy | 414 Nicollet Mall 5th Floor Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Jon | Kramer | jk2surf@aol.com | Sundial Solar | 4708 york ave. S Minneapolis, MN 55410 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Michael | Krikava | mkrikava@briggs.com | Briggs And Morgan, P.A. | 2200 IDS Center 80 S 8th St Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Allen | Krug | allen.krug@xcelenergy.com | Xcel Energy | 414 Nicollet Mall-7th fl Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Scott | Kurtz | Scott.J.Kurtz@xcelenergy.com | Xcel Energy | 825 Rice Street St. Paul, MN 55117 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Douglas | Larson | dlarson@dakotaelectric.com | Dakota Electric Association | 4300 220th St W Farmington, MN 55024 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|--------------|-------------|--------------------------------------|------------------------------------|---|--------------------|-------------------|---------------------------------|
| Deborah Fohr | Levchak | dlevchak@bepc.com | Basin Electric Power Cooperative | 1717 East Interstate Avenue Bismarck, ND 585030564 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Amy | Liberkowski | amy.a.liberkowski@xcenergy.com | Xcel Energy | 414 Nicollet Mall 7th Floor Minneapolis, MN 554011993 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| John | Lindell | agorud.ecf@ag.state.mn.us | Office of the Attorney General-RUD | 1400 BRM Tower 445 Minnesota St St. Paul, MN 551012130 | Electronic Service | Yes | SPL_SL_14-65_Interested Parties |
| Mark | Lindquist | N/A | The Minnesota Project | 57107 422nd St New Ulm, MN 56073-4321 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Matthew P | Loftus | matthew.p.loftus@xcenergy.com | Xcel Energy | 414 Nicollet Mall FL 5 Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Bob | Long | rlong@larkinhoffman.com | Larkin Hoffman (Silicon Energy) | 1500 Wells Fargo Plaza 7900 Xerxes Ave S Bloomington, MN 55431 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Rebecca | Lundberg | rebecca.lundberg@powerfullygreen.com | Powerfully Green | 11451 Oregon Ave N Champlin, MN 55316 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Paula | Maccabee | Pmaccabee@justchangelaw.com | Just Change Law Offices | 1961 Selby Avenue St. Paul, MN 55104 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Casey | Maccullum | casey@appliedenergyinnovations.org | Applied Energy Innovations | 4000 Minnehaha Ave S Minneapolis, MN 55406 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Susan | Mackenzie | susan.mackenzie@state.mn.us | Public Utilities Commission | Suite 350121 7th Place East St. Paul, MN 551012147 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|------------|----------------------------------|------------------------------------|--|--------------------|-------------------|---------------------------------|
| Kavita | Maini | kmaini@wi.rr.com | KM Energy Consulting LLC | 961 N Lost Woods Rd Oconomowoc, WI 53066 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Pam | Marshall | pam@energycents.org | Energy CENTS Coalition | 823 7th St E St. Paul, MN 55106 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Mary | Martinka | mary.a.martinka@xcelenergy.com | Xcel Energy Inc | 414 Nicollet Mall 7th Floor Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Mike | McDowell | | Heartland Consumers Power District | PO Box 248 Madison, SD 570420248 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Natalie | McIntire | natalie.mcintire@gmail.com | Wind on the Wires | 570 Asbury St Ste 201 St. Paul, MN 55104-1850 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Dave | McNary | N/A | Hennepin County DES | 701 Fourth Avenue South suite 700 Minneapolis, MN 55415-1842 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| John | McWilliams | jmm@dairy.net | Dairyland Power Cooperative | 3200 East Ave SPO Box 817 La Crosse, WI 54601-7227 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Valerie | Means | valerie.means@lawmoss.com | Moss & Barnett | Suite 4800 90 South Seventh Street Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Brian | Millberg | Brian.Millberg@minneapolismn.gov | City of Minneapolis | 350 South 5th St, #315 Minneapolis, MN 55415 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Stacy | Miller | stacy.miller@state.mn.us | Department of Commerce | State Energy Office 85 7th Place East, Suite 500 St. Paul, MN 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|--------------------------------|----------------------------------|---|--------------------|-------------------|---------------------------------|
| David | Moeller | dmoeller@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022093 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Andrew | Moratzka | apmoratzka@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Martin | Morud | mmorud@trunorthsolar.com | Tru North Solar | 5115 45th Ave S Minneapolis, MN 55417 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Ben | Nelson | | CMMPA | 459 South Grove Street Blue Earth, MN 56013 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| David W. | Niles | david.niles@avantenergy.com | Minnesota Municipal Power Agency | Suite 300 200 South Sixth Street Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Michael | Noble | noble@fresh-energy.org | Fresh Energy | Hamm Bldg., Suite 220 408 St. Peter Street St. Paul, MN 55102 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Rolf | Nordstrom | rnordstrom@gpisd.net | Great Plains Institute | 2801 21ST AVE S STE 220 Minneapolis, MN 55407-1229 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Kate | O'Connell | kate.oconnell@state.mn.us | Department of Commerce | Suite 50085 Seventh Place East St. Paul, MN 551012198 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Nick | Paluck | nick.paluck@xcelenergy.com | Xcel Energy | 7th Floor 414 Nicollet Mall Minneapolis, MN 554011993 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| James | Pearson | james.g.pearson@xcelenergy.com | Xcel Energy | 414 Nicollet Mall Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|-----------|---------------------------------|---|--|--------------------|-------------------|---------------------------------|
| Mary Beth | Peranteau | mperanteau@wheelerlaw.com | Wheeler Van Sickle & Anderson SC | Suite 801 25 West Main Street Madison, WI 537033398 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Donna | Pickard | dpickard@aladdinsolar.com | Aladdin Solar | 1215 Lilac Lane Excelsior, MN 55331 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Charlie | Pickard | cpickard@aladdinsolar.com | Aladdin Solar | 1215 Lilac Lane Excelsior, MN 55331 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Joseph V. | Plumbo | | Local Union 23, I.B.E.W. | 932 Payne Avenue St. Paul, MN 55130 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Gayle | Prest | gayle.prest@minneapolismn.gov | City of Mpls Sustainability | 350 South 5th St, #315 Minneapolis, MN 55415 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Kent | Ragsdale | kentragdsdale@alliantenergy.com | Alliant Energy-Interstate Power and Light Company | P.O. Box 351 200 First Street, SE Cedar Rapids, IA 524060351 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Mark | Rathbun | mrathbun@grenergy.com | Great River Energy | 12300 Elm Creek Blvd Maple Grove, MN 55369 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| John C. | Reinhardt | | Laura A. Reinhardt | 3552 26Th Avenue South Minneapolis, MN 55406 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Kevin | Reuther | kreuther@mncenter.org | MN Center for Environmental Advocacy | 26 E Exchange St, Ste 206 St. Paul, MN 551011667 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Enio | Ricci | ericci@invenergyllc.com | Invenergy LLC | 17830 New Hampshire Ave Ste 300 Ashton, MD 20861 | Paper Service | No | SPL_SL_14-65_Interested Parties |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
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| Trudy | Richter | trichter@rranow.com | Minnesota Resource Recovery Assn. | 477 Selby Avenue St. Paul, MN 55102 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Michelle | Rosier | michelle.rosier@sierraclub.org | Sierra Club | 2327 E. Franklin Avenue Minneapolis, MN 554061024 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Craig | Rustad | crustad@minnkota.com | Minnkota Power | 1822 Mill Road PO Box 13200 Grand Forks, ND 582083200 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Robert K. | Sahr | bsahr@eastriver.coop | East River Electric Power Cooperative | P.O. Box 227 Madison, SD 57042 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Raymond | Sand | rms@dairynet.com | Dairyland Power Cooperative | P.O. Box 8173200 East Avenue South LaCrosse, WI 546020817 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Richard | Savelkoul | rsavelkoul@martinsquires.com | Martin & Squires, P.A. | 332 Minnesota Street Ste W2750 St. Paul, MN 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Larry L. | Schedin | Larry@LLSResources.com | LLS Resources, LLC | 12 S 6th St Ste 1137 Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Matthew J. | Schuerger P.E. | mjsreg@earthlink.net | Energy Systems Consulting Services, LLC | PO Box 16129 St. Paul, MN 55116 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Kevin | Schwain | Kevin.D.Schwain@xcelenergy.com | Xcel Energy | 404 Nicollet Mall Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Dean | Sedgwick | N/A | Itasca Power Company | PO Box 457 Bigfork, MN 56628-0457 | Paper Service | No | SPL_SL_14-65_Interested Parties |

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| Janet | Shaddix Elling | jshaddix@janetshaddix.com | Shaddix And Associates | Ste 122 9100 W Bloomington Frwy Bloomington, MN 55431 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Gary | Shaver | N/A | Silicon Energy | 3506 124th St NE Marysville, WA 98271 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Erin | Shea | bademaileshea@silicon-energy.com | Silicon Energy | 11168 Sumter Circle Bloomington, MN 55438 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Doug | Shoemaker | dougs@mnRenewables.org | MRES | 2928 5th Avenue South Minneapolis, MN 55408 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Mrg | Simon | mrgsimon@mrenergy.com | Missouri River Energy Services | 3724 W. Avera Drive P.O. Box 88920 Sioux Falls, SD 571098920 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Ken | Smith | ken.smith@districtenergy.com | District Energy St. Paul Inc. | 76 W Kellogg Blvd St. Paul, MN 55102 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Beth H. | Soholt | bsoholt@windonthewires.org | Wind on the Wires | 570 Asbury Street Suite 201 St. Paul, MN 55104 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Chanti | Sourignavong | chantipal.sourignavong@honeywell.com | Honeywell | 1985 Douglas Drive North MN10-111A Golden Valley, MN 55422-3992 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Ron | Spangler, Jr. | rlspangler@otpc.com | Otter Tail Power Company | 215 So. Cascade St. PO Box 496 Fergus Falls, MN 565380496 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Byron E. | Starns | byron.starns@leonard.com | Leonard Street and Deinard | 150 South 5th Street Suite 2300 Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |

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| Erin | Stojan Ruccolo | ruccolo@fresh-energy.org | Fresh Energy | 408 Saint Peter St Ste 220 Saint Paul, MN 55102-1125 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| James M. | Strommen | jstrommen@kennedy-graven.com | Kennedy & Graven, Chartered | 470 U.S. Bank Plaza 200 South Sixth Street Minneapolis, MN 55402 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Deb | Sundin | deb.sundin@xcelenergy.com | Xcel Energy | 414 Nicollet Mall Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Eric | Swanson | eswanson@winthrop.com | Winthrop Weinstine | 225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Thomas P. | Sweeney III | tom.sweeney@easycleanenergy.com | Clean Energy Collective | 401 Tree Farm Drive Carbondale, CO 81623 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| SaGonna | Thompson | Regulatory.Records@xcelenergy.com | Xcel Energy | 414 Nicollet Mall FL 7 Minneapolis, MN 554011993 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Steve | Thompson | | Central Minnesota Municipal Power Agency | 459 S Grove St Blue Earth, MN 56013-2629 | Paper Service | No | SPL_SL_14-65_Interested Parties |
| Pat | Treseler | pat.jcplaw@comcast.net | Paulson Law Office LTD | Suite 325 7301 Ohms Lane Edina, MN 55439 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Lise | Trudeau | lise.trudeau@state.mn.us | Department of Commerce | 85 7th Place East Suite 500 Saint Paul, MN 55101 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Darryl | Tveitbakk | | Northern Municipal Power Agency | 123 Second Street West Thief River Falls, MN 56701 | Paper Service | No | SPL_SL_14-65_Interested Parties |

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| Kari L | Valley | kari.l.valley@xcelenergy.com | Xcel Energy Service Inc. | 414 Nicollet Mall FL 5 Minneapolis, MN 55401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Lisa | Veith | lisa.veith@ci.stpaul.mn.us | City of St. Paul | 400 City Hall and Courthouse 15 West Kellogg Blvd. St. Paul, MN 55102 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Roger | Warehime | warehimer@owatonnautilities.com | Owatonna Public Utilities | 208 South WalnutPO Box 800 Owatonna, MN 55060 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Paul | White | paul.white@prcwind.com | Project Resources Corp./Tamarac Line LLC/Ridgewind | 618 2nd Ave SE Minneapolis, MN 55414 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Scott M. | Wilensky | scott.wilensky@xcelenergy.com | Xcel Energy | 7th Floor 414 Nicollet Mall Minneapolis, MN 554011993 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Jason | Willett | jason.willett@metc.state.mn.us | Metropolitan Council | 390 Robert St N Saint Paul, MN 55101-1805 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Daniel | Williams | DanWilliams.mg@gmail.com | Powerfully Green | 11451 Oregon Avenue N Champlin, MN 55316 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Steven | Wishart | steven.w.wishart@xcelenergy.com | Xcel Energy | 7th Floor 414 Nicollet Mall Minneapolis, MN 554011993 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Robyn | Woeste | robynwoeste@alliantenergy.com | Interstate Power and Light Company | 200 First St SE Cedar Rapids, IA 52401 | Electronic Service | No | SPL_SL_14-65_Interested Parties |
| Thomas J. | Zaremba | | WHEELER, VAN SICKLE & ANDERSON | Suite 801 25 West Main Street Madison, WI 537033398 | Paper Service | No | SPL_SL_14-65_Interested Parties |