

June 17, 2019

—Via Electronic Filing—

Daniel P. Wolf
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101

RE: COMPLIANCE FILING
UPDATING GENERIC STANDARDS FOR UTILITY TARIFFS FOR
INTERCONNECTION AND OPERATION OF DISTRIBUTED GENERATION
FACILITIES ESTABLISHED UNDER MINN. STAT. §216B.1611
DOCKET NOS. E999/CI-16-521 & E999/CI-01-1023

Dear Mr. Wolf:

Northern States Power Company, doing business as Xcel Energy, submits the enclosed compliance filing in response to the Minnesota Public Utilities Commission's March 19 2019 ORDER AUTHORIZING FURTHER PROCEEDINGS. In particular, Order Point 3 which states:

3. *Within 90 days of the date of this order, Xcel, Minnesota Power, Otter Tail Power, and Dakota Electric Association shall file detailed descriptions of how they calculate their DG tariffed rates and negotiated DG rate offerings, including how they apply Attachment 6 in those calculations, for DG projects between 1 and 10 MW.*

We have electronically filed this document with the Minnesota Public Utilities Commission, and copies have been served on the parties on the attached service list. Please contact Amber Hedlund at amber.r.hedlund@xcelenergy.com or (612) 337-2268 or me at holly.r.hinman@xcelenergy.com. or (612) 330-5941 if you have any questions concerning this filing.

Sincerely,

/s/

HOLLY HINMAN
REGULATORY MANAGER

Enclosures
c: Service Lists

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Katie J. Sieben	Chair
Dan Lipschultz	Commissioner
Matthew Schuerger	Commissioner
Valerie Means	Commissioner
John A. Tuma	Commissioner

IN THE MATTER OF UPDATING THE
GENERIC STANDARDS FOR THE
INTERCONNECTION AND OPERATION OF
DISTRIBUTED GENERATION FACILITIES
ESTABLISHED UNDER MINN. STAT.
§216B.1611

DOCKET NO. E999/CI-16-521

IN THE MATTER OF UPDATING GENERIC
STANDARDS FOR UTILITY TARIFFS FOR
INTERCONNECTION AND OPERATION OF
DISTRIBUTED GENERATION FACILITIES
UNDER MINN. LAWS 2001 CH. 212

DOCKET NO. E999/CI-01-1023

COMPLIANCE FILING

INTRODUCTION

Northern States Power Company, doing business as Xcel Energy, submits this compliance filing in response to the Minnesota Public Utilities Commission's March 19, 2019 ORDER AUTHORIZING FURTHER PROCEEDINGS. In particular the Company makes this compliance filing pursuant to Order Point 3, which states:

3. *Within 90 days of the date of this order, Xcel, Minnesota Power, Otter Tail Power, and Dakota Electric Association shall file detailed descriptions of how they calculate their DG tariffed rates and negotiated DG rate offerings, including how they apply Attachment 6 in those calculations, for DG projects between 1 and 10 MW.*

A. DG Tariffed Rate Calculations

The Commission established generic standards for interconnection and operation of distributed generation (DG) through its Order dated September 27, 2004, which included Attachment 6. Since the issuance of the 2004 Order there have been numerous DG dockets including the Company's customer programs driven by state

policy goals. Company tariffs, including those addressing DG, are approved after a public regulatory proceeding. We believe that the rates and contract for Solar*Rewards Community, for example, are well documented and well known to the Commission through the record developed in Docket No. E002/M-13-867. Similarly, the rates for the PV Demand Credit Rider are developed in Docket No. E999/CI-15-115.

These and other dockets such as Docket Nos. E999/R-13-729 (Rules Governing Cogeneration and Small Power Production), E002/M-16-222 (Tariff Modifications Implementing Rules on Cogeneration and Small Power Production), and E999/M-14-65 (Value of Solar Methodology) include tariffed DG rates that were developed following public regulatory proceedings.

The Company’s tariffs with rates applicable to DG projects between 1 and 10 MW are identified in the table below.

Table 1. DG Tariff Rates

DG Tariff Rate	Short description	How Rate Is Developed
Tariff Sheets 9-64 through 9-110	Solar*Rewards Community – Community Solar Gardens. Available up to 1 MW (certain projects up to 5 MW were “grandfathered” into the program depending on when application was Deemed Complete and are therefore acknowledged here)	Compensation rates offered as a bill credit rate to program subscribers: either the “Applicable Retail Rate” or the Value of Solar Rate corresponding to an annual vintage. Some subscribers are also eligible to receive a residential adder. These rates arise from the regulatory proceeding in Docket No. E002/M-13-867 and are outside the 2004 Order and Attachment 6.
Tariff Sheet 10-76	One-Year Power Purchase Agreement energy rate table	Rates are developed pursuant to Minn. R. 7835 and are consistent with Attachment 6.
Tariff Sheet 5-125	PV Demand Credit Rider for greater than 40 kW	kWh-based credit for qualifying solar produced during designated on-peak times. Rates are not related to Attachment 6.

The One Year Power Purchase Agreement energy rate table is referenced on tariff sheet 10-76 consistent with the Commission’s July 14, 2006 Order and related filings in *In the Matter of Xcel Energy’s Petition for Approval of a Distributed Generation Tariff*, Docket No. E002/M-04-2055. The rates on Sheet 10-76 are calculated and updated annually in Schedule G of the January Cogeneration and Small Power Production filing. The most current filing is in Docket No. E999/PR-19-9. The content for Schedule G is developed pursuant to Minn. R. 7835 and is generally consistent with Attachment 6. Also, consistent with Minn. R. 7835, the rate calculations in Schedule G are for 5 years, while our tariff Sheet 10-76 references a one year rate.

The following table compares the provisions in Schedule G to corresponding parts of Attachment 6.

Table 2. Cogen and Small Power Production Rate

Minn. R. 7835	Attachment 6
7835.0100, Subp. 23: System incremental energy costs. "System incremental energy costs" means amounts representing the hourly energy costs associated with the utility generating the next kilowatt-hour of load during each hour.	Par. 6.a.i: System-wide hourly marginal incremental energy costs are calculated with a production model for each hour of the future year.
7835.1000: Schedule G must contain and describe all computations made by the utility in determining schedules A and B.	
7835.0500: Schedule A must contain the estimated system average incremental energy costs by seasonal peak and off-peak periods for each of the next five years. For each seasonal period, system incremental energy costs must be averaged during system daily peak hours, system daily off-peak hours, and all hours in the season. The energy costs must be increased by a factor equal to 50 percent of the line losses shown in schedule B. Schedule A must describe in detail the method used to determine the on-peak and off-peak hours and seasonal periods and must show the resulting on-peak and off-peak and seasonal hours selected.	Par. 6.a.i: Based on these costs [(referenced in Par. 6.a.i)], the average on-peak and off-peak marginal energy costs are calculated for each month.

The rates in Schedule G have limited applicability, and would not apply to a renewable energy source because Minn. Stat. §216B.164, Subd. 4, as quoted in the letter template provided as Attachment A to this filing, controls how rates for renewable energy sources are set. Also, pursuant to Minn. R. 7835.4019, enacted in 2015, parties are required to negotiate a contract to set the applicable avoided cost rates for qualifying facilities (QFs) of 1 MW or more.

7835.4019

QUALIFYING FACILITIES OF 1,000 KILOWATT CAPACITY OR MORE.

A qualifying facility with capacity of 1,000 kilowatt capacity or more must negotiate a contract with the public utility to set the applicable rates for payments to the customer of avoided capacity and energy costs. Nothing in parts 7835.4010 to 7835.4015 prevents a utility from connecting qualifying facilities of greater than 1,000 kilowatt capacity under its avoided cost rates.

B. Negotiated DG Rate between 1 and 10 MW

We use two different methods to negotiate a rate for QF projects between 1 and 10 MW. We use an RFP process and submit bid selections for Commission approval. We also offer avoided cost pricing that, depending on the type of facility, may include rates from tariff Sheet 10-76, rates informed by our least cost renewable PPA or facility, or LMP-based rates.

We have used a competitive bid RFP that resulted in the Aurora solar project. This consisted of numerous DG projects, each no more than 10 MW. This is discussed in *In the Matter of the Petition of Northern States Power Company d/b/a Xcel Energy for Approval of Competitive Resource Acquisition Proposal and Certificate of Need*, Docket No. E002/CN-12-1240.

If a developer asks us about using the rate table at tariff sheet 10-76, we inform the developer that the rate table would not apply to a renewable energy source because, as noted above, Minn. Stat. §216B.164, Subd. 4 controls how rates for renewable energy sources are set. We also inform the developer that the rate table is only for five years, and is updated annually, with us proposing updated rates on the first business day following January 1 and if allowed these are typically made applicable beginning in April. This would result in a five year term for the PPA that relies on the rate table on Sheet 10-76. If the developer is proposing a project that is not renewable energy, once it has established a legally enforceable obligation (LEO) we can provide the developer a Confidentiality agreement to sign so that we can provide the non-public tariffed energy rate table. But, to help set expectations, as shown in the letter template, we inform the developer early on that the rates in tariff Sheet 10-76 currently are similar to the energy rates for our A52 rate code as set forth in our tariff at Sheet 9-3.

If a developer for a non-renewable energy source asks about a capacity rate, we inform the developer that, consistent with Attachment 6 and our tariff Sheets 10-77 through 10-79, the need for capacity must be established in the most recent Integrated Resource Plan, and a need exists if there is a shown deficit at any year of the 5-year planning period. Per the most recent Integrated Resource Plan (Commission Docket No. E002\RP-15-21), the Company forecasts a surplus position for system capacity and energy into 2025, and therefore there currently is no value to adding capacity prior to then. We have not been called upon to develop a negotiated capacity rate for a DG non-renewable energy source, but if called upon to do so the capacity rate would be based on our tariff Sheets 10-77 through 10-79 that were developed from Attachment 6.

When DG developers have approached us for a negotiated rate for a DG renewable energy source between 1 to 10 MW, our response is consistent with the letter template included here as Attachment A. The template letter is tailored depending on the applicable circumstances.

If interactions with the QF developer indicate that the developer may be interested in a LMP-based rate, we will also offer that. For example, we could offer an LMP-based rate structure minus an administrative fee, multiplied by the Net Energy produced by the facility.

Neither the least cost renewable energy bid rate, nor the LMP-based rate, are based on Attachment 6.

C. Process for Commission Review and Approval of DG PPAs

Our tariff on Sheet 9-8.2 provides details on the process to be followed when the Company enters into a PPA with a developer for a DG at various different nameplate capacities and term lengths. This tariff states:

DISTRIBUTED GENERATION PPAs WHERE RATE CODES A51-A56 DO NOT APPLY

If a qualifying facility (QF) has capacity of at least 40 kW AC but less than 1,000 kW AC and does not comply with the Individual System Capacity Limits, then the rate codes A51-A56 do not apply. These rate codes also do not apply, for example, where the QF or other distributed generation (DG) has a capacity of 1,000 kW AC or more. In circumstances where Rate Codes A51-A56 do not apply, then the Section 9 Uniform Statewide Contract also does not apply. Where the Section 9 Uniform Statewide Contract does not apply, the DG customer may apply for interconnection under the Company's Section 10 tariff. Whether the Company pays for energy or capacity delivered to it would depend on whether there is a power purchase agreement (PPA) and further depend on the rates, terms and conditions in the PPA. Nothing in this tariff shall be construed to obligate Company to enter into a PPA. The obligation to enter into such a PPA with a DG customer takes into consideration many factors, including whether there is a Legally Enforceable Obligation (LEO) of the Company to enter into such a PPA and the proposed rates, terms and conditions. The Company may also voluntarily enter into a PPA with a DG customer. Should a DG customer and Company enter into a PPA where the Section 9 Uniform Statewide Contract does not apply (and no other Section 9 tariffed contract applies, such as a Solar*Rewards contract), then the following procedures will apply:

1. If the DG is over 10 MW AC nameplate capacity, then the PPA along with the associated Interconnection Agreement will need to be approved by the Commission.
2. If the DG has a nameplate capacity of 40 kW up to and including 10 MW AC, and is for a term of more than 5 years, the Company shall file the PPA with the Commission and the Company shall be permitted to proceed with the PPA beginning 32 days after filing if no objection or intent to object is filed within 30 days of filing. If there is an objection or intent to object filed in this 30-day time frame, then the Commission will need to issue an order approving the PPA before the PPA is approved.
3. If the DG has a nameplate capacity of 40 kW up to and including 10 MW AC, and is for a term of 5 years or less, the Company may proceed with the PPA, but the Commission can examine the prudence of rates in the PPA during any request for rate recovery.
4. Notwithstanding the above, if the Commission has otherwise directed that a Commission order is needed for the PPA to be approved then that Commission directive shall apply.

CONCLUSION

We appreciate the opportunity to provide this compliance filing which discusses the origins of our DG tariffed and negotiated rates.

Dated: June 17, 2019

Northern States Power Company



401 Nicollet Mall
Minneapolis, MN 55401-1993

Month Day, 2019

(Via email only to:
representative@company.com)

Representative
Company
Street Address, Office Location
City, State Zip Code

Re: Unsolicited Project Inquiry

Dear Representative:

Please allow this letter to serve as an initial response to the (project inquiry/unsolicited offer of generation), addressing your questions on the process for unsolicited requests for distributed generation (DG) power purchase agreements (PPAs) in Minnesota. To help create clarity, the details in this letter go beyond some of your specific questions.

You have inquired about the process for entering into a Power Purchase Agreement (PPA) under our Section 10 tariff in Minnesota for distributed generation with a nameplate capacity above 1 MW. The Section 10 Tariff addresses distributed generation interconnection and is limited to projects of 10 MW or less. The Section 10 tariff, Sheet 73, states in pertinent part:

AVAILABILITY

Available to retail electric customers at distribution voltages and who operate a qualifying distributed generating (DG) facility, as defined below, with nameplate rating of 10,000 kW or less, which is operated in parallel with Company's distribution system.

That being said, if a DG project is larger than that allowed under our Section 10 interconnection tariff, we can still allow interconnection if engineering and other requirements are met. Please note that any eventual interconnection agreement for a project larger than 10 MW would require approval from the Minnesota Public Utilities Commission ("Commission"). An interconnection agreement would only allow interconnection and would not address compensation.

Regarding compensation, a developer must demonstrate that it has established itself as a Qualifying Facility (QF) either through making appropriate filings with the FERC, or where

applicable having a self-certification under the FERC process. This is consistent with Minn. R. 7835.4019 that requires negotiation of a contract to set the applicable avoided cost rates for qualifying facilities (QFs) of 1 MW or more.

7835.4019

QUALIFYING FACILITIES OF 1,000 KILOWATT CAPACITY OR MORE.

A qualifying facility with capacity of 1,000 kilowatt capacity or more must negotiate a contract with the public utility to set the applicable rates for payments to the customer of avoided capacity and energy costs. Nothing in parts 7835.4010 to 7835.4015 prevents a utility from connecting qualifying facilities of greater than 1,000 kilowatt capacity under its avoided cost rates.

A key factor in determining the avoided cost to be applied to a specific QF is the date that the QF established a legally enforceable obligation (LEO). The Commission has addressed some of the factors it considers in determining whether a QF project has progressed sufficiently to indicate project viability for purposes of establishing a LEO under PURPA. In *In the Matter of the Petition by Highwater Wind LLC and Gadwall Wind LLC for Resolution of a Cogeneration and Small Power Production Dispute with Minnesota Power under Minn. Stat. § 216B.164, Subd. 5*, Docket No. E015/CG-11-1073, (the *Highwater* case) the Commission's February 25, 2013 order identified several factors showing that the developer was not ready, willing, and able to make meaningful commitments to enter into a PPA because of critical obstacles to viability. These factors included the following:

1. *Performance guarantees.* Lack of performance guarantees were in place to require the project developer to pay a penalty if the project fails to progress according to schedule.
2. *Financing.* The record provided no evidence that financing had been finalized.
3. *Major parts supply.* The record provided no evidence that the developer had secured commitments for the major components (in that case for the turbines).
4. *Easements.* The record did not clearly show that the landowners would sell easements, let alone under terms and on a schedule that would make the project viable.
5. *Site permits.* No site permits had been filed, and this indicated that the project remained in its initial stage.
6. *Interconnection plans.* Progress on interconnection needs to demonstrate that the developer is ready, willing, and able to meet the obligations of a PPA.

The established LEO requirements aid in evaluating the viability of a proposal. In conjunction with the above, the minimum information necessary for the evaluation of an unsolicited proposal would include: generator location, size and type; fuel type; forecasted

energy and capacity production and frequency/timing of the energy delivery; generation interconnection type, location, and status; desired rate and terms for compensation; expected commercial operation date; and status of QF self-certification.

Once a LEO is established, this information can be used to evaluate the value of the proposed project and either accept it or make a counter-offer. The avoided cost pricing for a renewable energy source would then be based on Minn. Stat. § 216B.164, that provides in pertinent part:

Subd. 4. Purchases; wheeling; costs. (a) ... this subdivision shall apply to all qualifying facilities having ... 1,000-kilowatt capacity or more if interconnected to a public utility, which elect to be governed by its provisions.

(b) The utility to which the qualifying facility is interconnected shall purchase all energy and capacity made available by the qualifying facility. The qualifying facility shall be paid the utility's full avoided capacity and energy costs as negotiated by the parties, as set by the commission, or as determined through competitive bidding approved by the commission. The full avoided capacity and energy costs to be paid a qualifying facility that generates electric power by means of a renewable energy source are the utility's least cost renewable energy facility or the bid of a competing supplier of a least cost renewable energy facility, whichever is lower

The Company provides some guidance to help set expectations. As a general matter, we believe that the avoided cost for renewable energy on our system would not be higher than recent RFP pricing for renewable projects. This is based on the statute and also because our avoided cost calculated for purposes of entering into a new renewable PPA should not be higher than the actual bid cost for entering into a renewable PPA. NSP issued a wind energy RFP in 2016, and more than 30 responses were below \$22/MWh on a Levelized Cost of Energy basis. Accordingly, once a LEO has been established, and compliance with size limits are met, the developer of a renewable QF project should expect pricing below the \$22/MWh level. More specific cost detail can be provided once a LEO has been established and other relevant information has been provided.

The above discussion focuses on PPAs above 1 MW. The Company notes that FERC has been authorized by statute to terminate a utility's duty to enter into new purchase obligations under PURPA and may terminate the utility's purchase obligation where it finds that the QFs in the utility's service territory have nondiscriminatory access to sell electricity into a viable wholesale electricity market. (16 U.S. C. § 824a-3(m)). FERC has established by rule a rebuttable presumption that a QF having capacity exceeding 20 MW within MISO's service territory has non-discriminatory access to the wholesale electric markets. (18 C.F.R. § 292.309(e)). Consistent with this, FERC has issued an order terminating the duty of Northern States Power Company, as of May 12, 2011, to form new LEOs with QFs having a net capacity greater than 20 MW. (*Northern States Power Company, a Minnesota corporation,*

Docket No. QM11-3-000, Order Granting Application to Terminate Purchase Obligation, 136 FERC ¶ 61,093 (2011)).

Hopefully the above discussion is helpful to you in understanding the PPA process in Minnesota and in setting expectations.

Sincerely,

First Last Name

Xcel Energy

Director, Resource Planning

Office: 612-XXX-XXXX

director.of.resource.planning@xcelenergy.com

CERTIFICATE OF SERVICE

I, Lynnette Sweet, hereby certify that I have this day served copies of the foregoing document on the attached list of persons.

xx by depositing a true and correct copy thereof, properly enveloped with postage paid in the United States mail at Minneapolis, Minnesota

xx electronic filing

Docket Nos. E999/CI-01-1023
E999/CI-16-521

Dated this 17th day of June 2019

/s/

Lynnette Sweet
Regulatory Administrator

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Janet	Anderson	jainstp@q.com	-	1799 Sargent St. Paul, MN 55105	Electronic Service	No	OFF_SL_1-1023_1
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_1-1023_1
John	Bailey	bailey@ilsr.org	Institute For Local Self-Reliance	1313 5th St SE Ste 303 Minneapolis, MN 55414	Electronic Service	No	OFF_SL_1-1023_1
Peter	Beithon	pbeithon@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_1-1023_1
Jon	Brekke	jbrekke@grenergy.com	Great River Energy	12300 Elm Creek Boulevard Maple Grove, MN 553694718	Electronic Service	No	OFF_SL_1-1023_1
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1800 St. Paul, MN 55101	Electronic Service	No	OFF_SL_1-1023_1
George	Crocker	gwillc@nawo.org	North American Water Office	PO Box 174 Lake Elmo, MN 55042	Electronic Service	No	OFF_SL_1-1023_1
Lisa	Daniels	lisadaniels@windustry.org	Windustry	201 Ridgewood Ave Minneapolis, MN 55403	Electronic Service	No	OFF_SL_1-1023_1
Ian	Dobson	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	No	OFF_SL_1-1023_1
Steve	Downer	sdowner@mmua.org	MMUA	3025 Harbor Ln N Ste 400 Plymouth, MN 554475142	Electronic Service	No	OFF_SL_1-1023_1

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Renee	Doyle		Doyle Electric Inc.	PO Box 295 Amboy, MN 56010	Paper Service	No	OFF_SL_1-1023_1
R. Neal	Elliot		American Council for an	Energy-Efficient Economy 529 14th Street, NW, 600 Washington, DC 20045	Paper Service Suite	No	OFF_SL_1-1023_1
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	Yes	OFF_SL_1-1023_1
Tony	Hainault	anthony.hainault@co.hennepin.mn.us	Hennepin County DES	701 4th Ave S Ste 700 Minneapolis, MN 55415-1842	Electronic Service	No	OFF_SL_1-1023_1
John S.	Jaffray	jjaffray@jirpower.com	JJR Power	350 Highway 7 Suite 236 Excelsior, MN 55331	Electronic Service	No	OFF_SL_1-1023_1
Steve	Korstad	swkorstad@comcast.net	Korridor Capital LLC	20 Red Fox Road St. Paul, MN 551276331	Electronic Service	No	OFF_SL_1-1023_1
Michael	Krikava	mkrikava@briggs.com	Briggs And Morgan, P.A.	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_1-1023_1
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_1-1023_1
Michael	Loeffler	mike.loeffler@nngco.com	Northern Natural Gas Co.	CORP HQ, 714 1111 So. 103rd Street Omaha, NE 681241000	Electronic Service	No	OFF_SL_1-1023_1

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Macke	macker@powersystem.org	Power System Engineering, Inc.	10710 Town Square Dr NE Ste 201 Minneapolis, MN 55449	Electronic Service	No	OFF_SL_1-1023_1
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_1-1023_1
Michael	Noble	noble@fresh-energy.org	Fresh Energy	Hamm Bldg., Suite 220 408 St. Peter Street St. Paul, MN 55102	Electronic Service	No	OFF_SL_1-1023_1
Bethany	Owen	bowen@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	OFF_SL_1-1023_1
David G.	Prazak	dprazak@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_1-1023_1
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_1-1023_1
Larry L.	Schedin	Larry@LLSResources.com	LLS Resources, LLC	332 Minnesota St, Ste W1390 St. Paul, MN 55101	Electronic Service	No	OFF_SL_1-1023_1
Rafi	Sohail	rafi.sohail@centerpointenergy.com	CenterPoint Energy	800 LaSalle Avenue P.O. Box 59038 Minneapolis, MN 554590038	Electronic Service	No	OFF_SL_1-1023_1
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_1-1023_1

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Daniel	Tonder	d.tonder@mnpower.com	Minnesota Power	PO Box 60 Little Falls, MN 56345	Electronic Service	No	OFF_SL_1-1023_1
Craig	Turner	cturner@dakotaelectric.com	Dakota Electric Association	4300 - 220th Street West Farmington, MN 550249583	Electronic Service	No	OFF_SL_1-1023_1
Robyn	Woeste	robynwoeste@alliantenergy.com	Interstate Power and Light Company	200 First St SE Cedar Rapids, IA 52401	Electronic Service	No	OFF_SL_1-1023_1
Daniel P	Wolf	dan.wolf@state.mn.us	Public Utilities Commission	121 7th Place East Suite 350 St. Paul, MN 551012147	Electronic Service	Yes	OFF_SL_1-1023_1

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ross	Abbey	ross.abbey@us-solar.com	United States Solar Corp.	100 North 6th St Ste 222C Minneapolis, MN 55403	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Michael	Allen	michael.allen@allenergysolar.com	All Energy Solar	721 W 26th st Suite 211 Minneapolis, Minnesota 55405	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
David	Amster Olzweski	david@mysunshare.com	SunShare, LLC	1151 Bannock St Denver, CO 80204-8020	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Mark	Anderson	manderson@southcentralelectric.com	South Central Electric Association	PO Box 150 71176 Tiell Drive St. James, MN 56081	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Janet	Anderson	jainstp@q.com	-	1799 Sargent St. Paul, MN 55105	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Christine	Andrews	christineandrewsjd@gmail.com		792 Goodrich Ave St Paul, Minnesota 55105	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Alison C	Archer	aarcher@misoenergy.org	MISO	2985 Ames Crossing Rd Eagan, MN 55121	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
John	Bailey	bailey@ilsr.org	Institute For Local Self-Reliance	1313 5th St SE Ste 303 Minneapolis, MN 55414	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sara	Baldwin Auck	sarab@irecusa.org	Interstate Renewable Energy Council, Inc.	PO Box 1156 Latham, NY 12110	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Laura	Beaton	beaton@smwlaw.com	Shute, Mihaly & Weinberger LLP	396 Hayes Street San Francisco, CA 94102	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Peter	Beithon	pbeithon@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sara	Bergan	sebergan@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
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	OFF_SL_16-521_Official Service List PUC
William	Black	bblack@mmua.org	MMUA	Suite 400 3025 Harbor Lane North Plymouth, MN 554475142	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Becky	Bradburn	b.bradburn@bcrea.coop	Brown County Rural Electric Assn.	PO Box 529 Sleepy Eye, MN 56085	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Kenneth	Bradley	kbradley1965@gmail.com		2837 Emerson Ave S Apt CW112 Minneapolis, MN 55408	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jon	Brekke	jbrekke@grenergy.com	Great River Energy	12300 Elm Creek Boulevard Maple Grove, MN 553694718	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Kathleen M.	Brennan	kmb@mcgrannshea.com	McGrann Shea Carnival, Straughn & Lamb, Chartered	800 Nicollet Mall Ste 2600 Minneapolis, MN 554027035	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Mark B.	Bring	mbring@otpc.com	Otter Tail Power Company	215 South Cascade Street PO Box 496 Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Christina	Brusven	cbrusven@fredlaw.com	Fredrikson Byron	200 S 6th St Ste 4000 Minneapolis, MN 554021425	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Michael J.	Bull	mbull@mncee.org	Center for Energy and Environment	212 Third Ave N Ste 560 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jessica	Burdette	jessica.burdette@state.mn. us	Department of Commerce	85 7th Place East Suite 500 St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Douglas M.	Carnival	dmc@mcgrannshea.com	McGrann Shea Carnival Straughn & Lamb	N/A	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Pat	Carruth	pat@mnvalleyrec.com	Minnesota Valley Coop. Light & Power Assn.	501 S 1st St. PO Box 248 Montevideo, MN 56265	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Kenneth A.	Colburn	kcolburn@symbioticstrategi es.com	Symbiotic Strategies, LLC	26 Winton Road Meredith, NH 32535413	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.st ate.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1800 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_16-521_Official Service List PUC
Curtis	Cordt	ccordt@mvec.net	Minnesota Valley Electric Cooperative	125 Minnesota Valley Electric Drive Jordan, MN 55352	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
George	Crocker	gwillc@nawo.org	North American Water Office	PO Box 174 Lake Elmo, MN 55042	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Arthur	Crowell	Crowell.arthur@yahoo.com	A Work of Art Solar	14333 Orchard Rd. Minnetonka, MN 55345	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Art	Crowell	acrowell@sundialsolarener gy.com	Sundial Solar	not provided	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Stacy	Dahl	sdahl@minnkota.com	Minnkota Power Cooperative, Inc.	5301 32nd Ave S Grand Forks, ND 58201	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
David	Dahlberg	davedahlberg@nweco.com	Northwestern Wisconsin Electric Company	P.O. Box 9 104 South Pine Street Grantsburg, WI 548400009	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Patrick	Dalton	patrick.l.dalton@xcelenergy .com	Xcel Energy	N/A	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Lisa	Daniels	lisadaniels@windustry.org	Windustry	201 Ridgewood Ave Minneapolis, MN 55403	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
James	Darabi	james.darabi@solarfarm.co m	Solar Farm, LLC	2355 Fairview Ave #101 St. Paul, MN 55113	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
James	Denniston	james.r.denniston@xcelen ergy.com	Xcel Energy Services, Inc.	414 Nicollet Mall, Fifth Floor Minneapolis, MN 55401	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Curt	Dieren	curt.dieren@dgr.com	L&O Power Cooperative	1302 S Union St Rock Rapids, IA 51246	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Cheryl	Dietrich	cheryl.dietrich@nexteraene rgy.com	NextEra Energy Resources, LLC	700 Universe Blvd E1W/JB Juno Beach, FL 33408	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ian	Dobson	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_16-521_Official Service List PUC
Robin	Doege	rdoege@toddwadana.coop	Todd Wadana Electric Cooperative	550 Ash Ave NE Wadena, MN 56482	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Robin	Doege	Rdoege@stearnslectric.org	Stearns Electric Association	PO Box 40 Melrose, MN 56352-0040	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Kristin	Dolan	kdolan@meeker.coop	Meeker Cooperative Light & Power Assn	1725 US Hwy 12 E. Ste 100 Litchfield, MN 55355	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Steve	Downer	sdowner@mmua.org	MMUA	3025 Harbor Ln N Ste 400 Plymouth, MN 554475142	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Renee	Doyle		Doyle Electric Inc.	PO Box 295 Amboy, MN 56010	Paper Service	No	OFF_SL_16-521_Official Service List PUC
Kristen	Eide Tollefson	healingsystems69@gmail.com	R-CURE	28477 N Lake Ave Frontenac, MN 55026-1044	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
R. Neal	Elliot		American Council for an Energy-Efficient Economy	529 14th Street, NW, Suite 600 Washington, DC 20045	Paper Service	No	OFF_SL_16-521_Official Service List PUC
Nadav	Enbar	nenbar@epri.com	EPRI	1117 Quince Ave Boulder, CO 80304	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Betsy	Engelking	betsy@geronimoenergy.com	Geronimo Energy	7650 Edinborough Way Suite 725 Edina, MN 55435	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Oncu	Er	oncu.er@avantenergy.com	Avant Energy, Agent for MMPA	220 S. Sixth St. Ste. 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
John	Farrell	jfarrell@ilsr.org	Institute for Local Self- Reliance	1313 5th St SE #303 Minneapolis, MN 55414	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Christine	Fox	cfox@itasca-mantrap.com	Itasca-Mantrap Coop. Electric Assn.	PO Box 192 Park Rapids, MN 56470	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Mike	Franklin	mfranklin@mncef.com	MN Conservative Energy Forum	235 E 6th St Fifth Floor St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Nathan	Franzen	nathan@geronimoenergy.com	Geronimo Energy	7650 Edinborough Way Suite 725 Edina, MN 55435	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
David	Freestate	dfreestate@epri.com	EPRI	942 Corridor Park Blvd Knoxville, TN 37932	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Scott	Froemming	sfroemming@kpcoop.com	Kandiyohi Power Cooperative	8605 47th St NE Spicer, MN 56288-4617	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Katelyn	Frye	kfrye@mnpower.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Hal	Galvin	halgalvin@comcast.net	Provectus Energy Development llc	1936 Kenwood Parkway Minneapolis, MN 55405	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Elaine	Garry	egarry@peoplesrec.com	Peoples Energy Cooperative	1775 Lake Shady Ave S Oronoco, MN 55960-2351	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Allen	Gleckner	gleckner@fresh-energy.org	Fresh Energy	408 St. Peter Street Ste 220 Saint Paul, Minnesota 55102	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Nitzan	Goldberger	n.goldberger@energystorage.org	Energy Storage Association	1800 M Street NW Suite 400S Washington, DC 20036	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sarah	Groebner	sgroebner@redwoodelectric.com	Redwood Electric Cooperative	60 Pine St Clements, MN 56224	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Timothy	Gulden	info@winonarenewableenergy.com	Winona Renewable Energy, LLC	1449 Ridgewood Dr Winona, MN 55987	Paper Service	No	OFF_SL_16-521_Official Service List PUC
Tom	Guttormson	Tom.Guttormson@connexusenergy.com	Connexus Energy	14601 Ramsey Blvd Ramsey, MN 55303	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Tony	Hainault	anthony.hainault@co.hennepin.mn.us	Hennepin County DES	701 4th Ave S Ste 700 Minneapolis, MN 55415-1842	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
James	Haler	jhaler@southcentralelectric.com	South Central Electric Association	71176 Tiell Dr P. O. Box 150 St. James, MN 56081	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Laura	Hannah	hannah@fresh-energy.org	Fresh Energy	408 St. Peter Street Ste 220 St. Paul, MN 55102	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Donald	Hanson	dfhanson@ieee.org	Solar Photovoltaic Systems	P. O. Box 44579 Eden Prairie, MN 55344	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
John	Harlander	john.c.harlander@xcelenergy.com	Xcel Energy	N/A	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Duane	Hebert	duane.hebert@novelenergy.biz	Novel Energy Solutions	1628 2nd Ave SE Rochester, MN 55904	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Kimberly	Hellwig	kimberly.hellwig@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jared	Hendricks	hendricksj@owatonnautilities.com	Owatonna Public Utilities	PO Box 800 208 S Walnut Ave Owatonna, MN 55060-2940	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Ryan	Hentges	ryanh@mvec.net	Minnesota Valley Electric Cooperative	125 Minnesota Valley Electric Dr Jordan, MN 55352	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Carrie	Hitt	carrie.hitt@nexteraenergy.com	NextEra Energy Resources	700 Universe Blvd Juno, CA 33408	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Ronald	Horman	rhorman@redwoodelectric.com	Redwood Electric Cooperative	60 Pine Street Clements, MN 56224	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Lori	Hoyum	lhoyum@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jan	Hubbard	jan.hubbard@comcast.net		7730 Mississippi Lane Brooklyn Park, MN 55444	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Dean	Hunter	Dean.Hunter@state.mn.us	Minnesota Department of Labor & Industry	443 Lafayette Rd N St. Paul, MN 55155-4341	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Barb	Jacobs	jaco0270@umn.edu	University of Minnesota	Institute on the Environmen ,	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Casey	Jacobson	cjacobson@bepc.com	Basin Electric Power Cooperative	1717 East Interstate Avenue Bismarck, ND 58501	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Ralph	Jacobson	ralphj@ips-solar.com		2126 Roblyn Avenue Saint Paul, Minnesota 55104	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
John S.	Jaffray	jjaffray@jrpower.com	JJR Power	350 Highway 7 Suite 236 Excelsior, MN 55331	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Robert	Jagusch	rjagusch@mmua.org	MMUA	3025 Harbor Lane N Minneapolis, MN 55447	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Chris	Jarosch	chris@carrcreekelectricser vice.com	Carr Creek Electric Service, LLC	209 Sommers Street North Hudson, WI 54016	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Brian	Jeremiason	bjeremiason@llec.coop	Lyon-Lincoln Electric Cooperative, Inc.	205 W. Hwy. 14 Tyler, MN 56178	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Sarah	Johnson Phillips	sarah.phillips@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Nate	Jones	njones@hcpd.com	Heartland Consumers Power	PO Box 248 Madison, SD 57042	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Mahmoud	Kabalan, PhD	mahmoud.kabalan@stthomas.edu		Mail OSS 100 2115 Summit Ave Saint Paul, MN 55105	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Camille	Kadoch	ckadoch@raponline.org	Regulatory Assistance Project	50 State Street Suite 3 Montpelier, VT 05602	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Michael	Kampmeyer	mkampmeyer@a-e-group.com	AEG Group, LLC	260 Salem Church Road Sunfish Lake, Minnesota 55118	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Kevin	Keene	kevin.keene@cummins.com		N/A	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jack	Kegel	jkegel@mmua.org	MMUA	3025 Harbor Lane N Suite 400 Plymouth, MN 55447-5142	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Tam	Kemabonta	kema4033@stthomas.edu		2115 Summit Avenue Saint Paul, MN 55105	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Julie	Ketchum	N/A	Waste Management	20520 Keokuk Ave Ste 200 Lakeville, MN 55044	Paper Service	No	OFF_SL_16-521_Official Service List PUC
Tom	Key	tkey@epri.com	EPRI	942 Corridor Park Blvd Knoxville, TN 37932	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ted	Kjos	tkjos@mienergy.coop	MiEnergy Cooperative	31110 Cooperative Way Rushford, MN 55971	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Brad	Klein	bklein@elpc.org	Environmental Law & Policy Center	35 E. Wacker Drive, Suite 1600 Suite 1600 Chicago, IL 60601	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Chris	Kopel	chrisk@CMPASgroup.org	Central Minnesota Municipal Power Agency	459 S Grove St Blue Earth, MN 56013-2629	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Frank	Kornbaum	fkornbaum@mnpower.com	Minnesota Power	30 West Superior St Duluth, MN 55802	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Steve	Korstad	swkorstad@comcast.net	Korridor Capital LLC	20 Red Fox Road St. Paul, MN 551276331	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Steve	Kosbab	skosbab@meeker.coop	Meeker Cooperative Light and Power	1725 US Hwy 12 E Litchfield, MN 55355	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jon	Kramer	sundialjon@gmail.com	Sundial Solar	3209 W 76th St Edina, MN 55435	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Michael	Krause	michaelkrause61@yahoo.com	Kandiyo Consulting, LLC	433 S 7th Street Suite 2025 Minneapolis, Minnesota 55415	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Michael	Krikava	mkrikava@briggs.com	Briggs And Morgan, P.A.	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Jeffrey L.	Landsman	jlandsman@wheelerlaw.com	Wheeler, Van Sickle & Anderson, S.C.	44 E. Mifflin Street, 10th Floor Madison, WI 53703	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Mark	Larson	mlarson@meekeer.coop	Meeker Coop Light & Power Assn	1725 Highway 12 E Ste 100 Litchfield, MN 55355	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Burnell	Lauer	blauer.sundial@gmail.com	Sundial Solar	3209 W. 76th St #305 Edina, MN 55435	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Dean	Leischow	dean@sunrisenrg.com	Sunrise Energy Ventures	315 Manitoba Ave Wayzata, MN 55391	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Nick	Lenssen	lenssen.nick@gmail.com		1195 Albion Way Boulder, CO 80305	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Annie	Levenson Falk	annielf@cubminnesota.org	Citizens Utility Board of Minnesota	332 Minnesota Street, Suite W1360 St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Amy	Liberkowski	amy.a.liberkowski@xcelenergy.com	Xcel Energy	414 Nicollet Mall 7th Floor Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Carl	Linville	clinville@raponline.org	Regulatory Assistance Project	50 State Street Suite #3 Montpelier, VT 05602	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Phillip	Lipetsky	greenenergyproductsllc@gmail.com	Green Energy Products	PO Box 108 Springfield, MN 56087	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Michael	Loeffler	mike.loeffler@nngco.com	Northern Natural Gas Co.	CORP HQ, 714 1111 So. 103rd Street Omaha, NE 681241000	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
William	Lovelace	wlovelace@minnkota.com	Minnkota Power Cooperative	5301 32nd Ave S Grand Forks, ND 58201	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Liz	Lucente	llucente@mNSEIA.org	MnSEIA	2512 33rd Ave So #2 Minneapolis, MN 55406	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Brian	Lydic	brian@irecusa.org	Interstate Renewable Energy Council, Inc.	PO Box 1156 Latham, NY 12110-1156	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Richard	Macke	macker@powersystem.org	Power System Engineering, Inc.	10710 Town Square Dr NE Ste 201 Minneapolis, MN 55449	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Alex	Magerko	amagerko@epri.com	EPRI	942 Corridor Park Blvd Knoxville, TN 37932	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sara G	McGrane	smcgrane@felhaber.com	Felhaber Larson	220 S 6th St Ste 2200 Minneapolis, MN 55420	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Natalie	McIntire	natalie.mcintire@gmail.com	Wind on the Wires	570 Asbury St Ste 201 Saint Paul, MN 55104-1850	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Dave	McNary	David.McNary@hennepin.us	Hennepin County DES	701 Fourth Ave S Ste 700 Minneapolis, MN 55415-1842	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
John	McWilliams	jmm@dairynet.com	Dairyland Power Cooperative	3200 East Ave SPO Box 817 La Crosse, WI 54601-7227	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Thomas	Melone	Thomas.Melone@AllcoUS.com	Minnesota Go Solar LLC	222 South 9th Street Suite 1600 Minneapolis, Minnesota 55120	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Tim	Mergen	tmergen@meeker.coop	Meeker Cooperative Light And Power	1725 US Hwy 12 E. Suite 100 PO Box 68 Litchfield, MN 55355	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Alan	Miller	N/A		2210 20th St NE Stewartville, MN 55976	Paper Service	No	OFF_SL_16-521_Official Service List PUC
Darrick	Moe	darrick@mrea.org	Minnesota Rural Electric Association	11640 73rd Ave N Maple Grove, MN 55369	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Dalene	Monsebroten	dalene.monsebroten@nmp agency.com	Northern Municipal Power Agency	123 2nd St W Thief River Falls, MN 56701	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Michael	Murtaugh	mmurtaugh@fmcs.coop	Freeborn-Mower Cooperative Services	2501 Main Street East Albert Lea, MN 56007	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Ben	Nelson	benn@cmpasgroup.org	CMMPA	459 South Grove Street Blue Earth, MN 56013	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Tony	Nelson	tnelson@itasca-mantrap.com	Itasca-Mantrap Coop. Electric Assn.	PO Box 192 Park Rapids, MN 56470	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
David	Niles	david.niles@avantenergy.com	Minnesota Municipal Power Agency	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Michael	Noble	noble@fresh-energy.org	Fresh Energy	Hamm Bldg., Suite 220 408 St. Peter Street St. Paul, MN 55102	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Rolf	Nordstrom	rnordstrom@gpisd.net	Great Plains Institute	2801 21ST AVE S STE 220 Minneapolis, MN 55407-1229	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Samantha	Norris	samanthanorris@alliantenergy.com	Interstate Power and Light Company	200 1st Street SE PO Box 351 Cedar Rapids, IA 524060351	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Timothy	O'Leary	toleary@llec.coop	Lyon-Lincoln Electric Cooperative, Inc	P.O. Box 639 Tyler, MN 561780639	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jeff	O'Neill	jeff.oneill@ci.monticello.mn.us	City of Monticello	505 Walnut Street Suite 1 Monticello, Minnesota 55362	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Russell	Olson	rolson@hcpd.com	Heartland Consumers Power District	PO Box 248 Madison, SD 570420248	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Wendi	Olson	wolson@otpc.com	Otter Tail Power Company	215 South Cascade Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Bethany	Owen	bowen@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Dan	Patry	dpatry@sunedison.com	SunEdison	600 Clipper Drive Belmont, CA 94002	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jeffrey C	Paulson	jeff.jcplaw@comcast.net	Paulson Law Office, Ltd.	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Dean	Pawlowski	dpawlowski@otpc.com	Otter Tail Power Company	PO Box 496 215 S. Cascade St. Fergus Falls, MN 565370496	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Susan	Peirce	Susan.Peirce@state.mn.us	Department of Commerce	85 Seventh Place East St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Joyce	Peppin	joyce@mrea.org	Minnesota Rural Electric Association	11640 73rd Ave N Maple Grove, MN 55369	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Mary Beth	Peranteau	mperanteau@wheelerlaw.com	Wheeler Van Sickle & Anderson SC	44 E. Mifflin Street, 10th Floor Madison, WI 53703	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jeff M	Peters	jeff.peters@mrenergy.com	Missouri River Energy Services	3724 W Avera Dr PO Box 88920 Sioux Falls, MN 57109-8920	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Donna	Pickard	dpickardgsss@gmail.com	Genie Solar Support Services	1215 Lilac Lane Excelsior, MN 55331	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Mike	Pontius	mpontius@mnpower.com	Minnesota Power	30 W Superior St Duluth, MN 55802-2093	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
David G.	Prazak	dprazak@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Gregory	Randa	granda@lakecountrypower.com	Lake Country Power	2810 Elida Drive Grand Rapids, MN 55744	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Mark	Rathbun	mrathbun@grenergy.com	Great River Energy	12300 Elm Creek Blvd Maple Grove, MN 55369	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Michael	Reinertson	michael.reinertson@avanteenergy.com	Avant Energy	220 S. Sixth St. Ste 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
John C.	Reinhardt		Laura A. Reinhardt	3552 26Th Avenue South Minneapolis, MN 55406	Paper Service	No	OFF_SL_16-521_Official Service List PUC
Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy	26 E Exchange St, Ste 206 St. Paul, MN 551011667	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Darla	Ruschen	d.ruschen@bcrea.coop	Brown County Rural Electric Assn.	PO Box 529 24386 State Highway 4 Sleepy Eye, MN 56085	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Robert K.	Sahr	bsahr@eastriver.coop	East River Electric Power Cooperative	P.O. Box 227 Madison, SD 57042	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Larry L.	Schedin	Larry@LLSResources.com	LLS Resources, LLC	332 Minnesota St, Ste W1390 St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Kenric	Scheevel	kjs@dairy.net	Dairyland Power Cooperative	3200 East Avenue South PO Box 817 La Crosse, Wisconsin 54602	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jacob J.	Schlesinger	jschlesinger@kfwlaw.com	Keyes & Fox LLP	1580 Lincoln St., Suite 880 Denver, CO 80203	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jeff	Schoenecker	jschoenecker@dakotaelectric.com	Dakota Electric Association	4300 220th Street W Farmington, MN 55024	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Christopher	Schoenherr	cp.schoenherr@smmpa.org	SMMPA	500 First Ave SW Rochester, MN 55902-3303	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Kay	Schraeder	kschraeder@minnkota.com	Minnkota Power	5301 32nd Ave S Grand Forks, ND 58201	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Ronald J.	Schwartau	rschwartau@noblesce.com	Nobles Cooperative Electric	22636 U.S. Hwy. 59 Worthington, MN 56187	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Rob	Scott Hovland	rob.scott-hovland@mrenergy.com	Missouri River Energy Services	3724 W Avera Dr PO Box 88920 Sioux Falls, SD 571098920	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Dean	Sedgwick	N/A	Itasca Power Company	PO Box 455 Spring Lake, MN 56680	Paper Service	No	OFF_SL_16-521_Official Service List PUC
David	Shaffer	shaff081@gmail.com	Minnesota Solar Energy Industries Project	1005 Fairmount Ave Saint Paul, MN 55105	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Doug	Shoemaker	dougs@charter.net	Minnesota Renewable Energy	2928 5th Ave S Minneapolis, MN 55408	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Felicia	Skaggs	fskaggs@meeker.coop	Meeker Cooperative Light & Power	1725 US Highway 12 E Suite 100 Litchfield, MN 55355	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Glen	Skarbakka	glen@s-pllc.com	Skarbakka PLLC	5411 Bartlett Blvd Mound, MN 55364	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Trevor	Smith	trevor.smith@avantenergy. com	Avant Energy, Inc.	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Rafi	Sohail	rafi.sohail@centerpointener gy.com	CenterPoint Energy	800 LaSalle Avenue P.O. Box 59038 Minneapolis, MN 554590038	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Beth H.	Soholt	bsoholt@windonthewires.or g	Wind on the Wires	570 Asbury Street Suite 201 St. Paul, MN 55104	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Marcia	Solie	m.solie@bcrea.coop	Brown County Rural Electric Assn.	24386 State Hwy. 4, PO Box 529 Sleepy Eye, Minnesota 56085	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Robyn	Sonstegard	robynnsec@wikel.com	North Star Electric Cooperative, Inc.	PO Box 719 441 State Hwy 172 NW Baudette, MN 56623	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sky	Stanfield	stanfield@smwlaw.com	Shute, Mihaly & Weinberger	396 Hayes Street San Francisco, CA 94102	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Mike	Steckelberg	msteckelberg@grenergy.com	Great River Energy	12300 Elm Creek Boulevard Maple Grove, MN 553694718	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sherry	Swanson	sswanson@noblesce.com	Nobles Cooperative Electric	22636 US Highway 59 PO Box 788 Worthington, MN 56187	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Thomas P.	Sweeney III	tom.sweeney@easycleanenergy.com	Clean Energy Collective	P O Box 1828 Boulder, CO 80306-1828	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Bryant	Tauer	btauer@whe.org	Wright-Hennepin	6800 Electric Dr Rockford, MN 55373	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Daniel	Tonder	d.tonder@mpower.com	Minnesota Power	PO Box 60 Little Falls, MN 56345	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Jeff	Triplett	triplettj@powersystem.org	MREA	10710 Town Square Dr NW St 201 Minneapolis, MN 55449	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Adam	Tromblay	atromblay@noblesce.com	Nobles Cooperative Electric	22636 US Hwy. 59 P.O. Box 788 Worthington, MN 56187-0788	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Lise	Trudeau	lise.trudeau@state.mn.us	Department of Commerce	85 7th Place East Suite 500 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Craig	Turner	cturner@dakotaelectric.com	Dakota Electric Association	4300 - 220th Street West Farmington, MN 550249583	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Alan	Urban	alan.m.urban@xcelenergy.com	Xcel Energy	N/A	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sam	Villella	sdvillella@gmail.com		10534 Alamo Street NE Blaine, MN 55449	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Sarah	Walinga	swalinga@solarcity.com	Energy Freedom Coalition	3055 Clearview Way San Mateo, MN 94402	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Robert	Walsh	bwalsh@mnvalleyrec.com	Minnesota Valley Coop Light and Power	PO Box 248 501 S 1st St Montevideo, MN 56265	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Roger	Warehime	warehimer@owatonnautilities.com	Owatonna Public Utilities	208 South WalnutPO Box 800 Owatonna, MN 55060	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Jenna	Warmuth	jwarmuth@mnpower.com	Minnesota Power	30 W Superior St Duluth, MN 55802-2093	Electronic Service	No	OFF_SL_16-521_Official Service List PUC

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Elizabeth	Wefel	eawefel@flaherty-hood.com	Flaherty & Hood, P.A.	525 Park St Ste 470 Saint Paul, MN 55103	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
John	Williamson	John.Williamson@state.mn.us	Minnesota Department of Labor and Industry	443 Lafayette Rd N St. Paul, MN 55155-4341	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Danielle	Winner	danielle.winner@state.mn.us	Department of Commerce	85 7th Place East Suite 500 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Robyn	Woeste	robynwoeste@alliantenergy.com	Interstate Power and Light Company	200 First St SE Cedar Rapids, IA 52401	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Terry	Wolf	terry.wolf@mrenergy.com	Missouri River Energy Services	3724 W Avera Dr PO Box Sioux Falls, SD 571098920	Electronic Service	No	OFF_SL_16-521_Official Service List PUC
Daniel P	Wolf	dan.wolf@state.mn.us	Public Utilities Commission	121 7th Place East Suite 350 St. Paul, MN 551012147	Electronic Service	Yes	OFF_SL_16-521_Official Service List PUC
Thomas J.	Zaremba	TZaremba@wheelerlaw.com	WHEELER, VAN SICKLE & ANDERSON	44 E. Mifflin Street, 10th Floor Madison, WI 53703	Electronic Service	No	OFF_SL_16-521_Official Service List PUC