



414 Nicollet Mall
Minneapolis, MN 55401

April 3, 2020

—Via Electronic Filing—

Mr. Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101

RE: SUPPLEMENTAL COMMENTS
COMPLIANCE ORDER AMENDING REPORTING REQUIREMENTS
COMMUNITY SOLAR GARDENS
DOCKET NO. E002/M-13-867

Dear Mr. Seuffert:

Northern States Power Company, doing business as Xcel Energy (Company), consistent with the Minnesota Public Utilities Commission's Notice of February 10, 2020, submits these Supplemental Comments on planned outage notifications. Specifically, we provide updated information regarding our implementation plans to enhance our notifications for planned outages and our proposal to provide additional quarterly reporting.

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 Jessica Peterson at jessica.k.peterson@xcelenergy.com or (612) 330-6850 if you have any questions regarding this filing.

Sincerely,

/s/

SHAWN WHITE
MANAGER, DSM & RENEWABLE REGULATORY STRATEGY AND PLANNING

Enclosures
c: Service List

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

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

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY FOR
APPROVAL OF ITS PROPOSED COMMUNITY
SOLAR GARDENS PROGRAM

DOCKET No. E002/M-13-867

SUPPLEMENTAL COMMENTS

INTRODUCTION

Northern States Power Company, doing business as Xcel Energy (Company), submits to the Minnesota Public Utilities Commission these Supplemental Comments on planned outage notification and reporting consistent with the Commission's Notice of February 10, 2020. Specifically, we provide updated information regarding our implementation plans to enhance our notifications for planned outages and our proposal to provide additional quarterly reporting. We further address Comments filed by the Department on February 19, 2020 and by other parties on March 4, 2020.

The Company has contracted with a vendor for notification services, as described below, and has further modified our proposal based on stakeholder feedback where there was an ability to do so. We anticipate providing enhanced notices of planned outages to Community Solar Gardens (CSGs) as detailed here beginning sometime between May and September 2020, and to start submitting quarterly reports in this docket on planned outages beginning the first quarter after we begin sending the new notices.

We request that the Commission accept our implementation plans to notify Garden Operators of planned outages and adopt our quarterly reporting for planned outages in this docket.

SUPPLEMENTAL COMMENTS

I. Notification of Planned Outages

We have finalized our contract with Everbridge, a company that sells communication services. We already actively utilize Everbridge for emergency employee notifications and demand response event notification and believe notification of planned outages will be a beneficial addition to this existing vendor relationship. Working with an existing vendor also allows us to move quickly from design to implementation.

Everbridge will provide a communication channel, but to utilize that channel we will need to perform IT work to create and maintain the correct databases and align these with existing communication channels as well as train Control Center staff on new processes associated with this new channel. Also, in conjunction with this, developers have already been notified that they need to input correct contact information for each of their CSGs into our Salesforce platform, and many have already done so. We intend to implement the Everbridge communication channel and providing notices between May and September of 2020.¹

The notification system will allow us to notify garden operators up to four times for each planned outage:

1. Advanced notification of future planned outage sent 24-48 hours in advance of the planned outage;
2. Day of outage communication providing the date the garden is first taken offline for a specific planned outage;²
3. An optional notification if/when a planned outage has a significant change to estimated timing;³

¹ Our intent was to launch our new outage notification for CSGs on May 1, 2020. Because of the recent challenges relating to the active COVID-19 pandemic, our priority during this time is to maintain a safe and healthy workforce and to provide reliable electric (and gas) services. We acknowledge that this original target implementation date will slide as a result. We currently expect to be ready to begin providing the notices described in this filing sometime between May and September 2020 depending upon implementing IT requirements and the ability to conduct training for our Control Center staff.

² For an extended planned outage, a CSG may be disconnected and reconnected several times over a course of weeks. The outage communication will reflect only the date of the first such disconnection relating to a planned outage.

³ These notifications will be provided when a change is known or planned. No notification will be sent during emergency outages or escalated operations, further this additional notification may not be available prior to the change occurring.

4. Day of outage completion providing the actual date the garden was taken offline and the actual date it was placed back in service following completion of the planned outage.

Several details will be provided within the notifications including: switching order number, affected feeder number, categorized purpose of outage, and timing. We provide an example of one of these notifications in Attachment A. A voicemail and/or text can also be provided. We believe these options significantly advance our current notification process for planned outages and provide additional information for garden operators to share with their financiers and others concerned with the outage of their facilities. In Section IV below, we discuss how this notification proposal compares to the content of the notices requested by the Joint Commenters.

In addition, we note that these notifications will be provided during all planned outages to DER for hotline work which includes upgrades for more DER on the system as well as government mandated work, capacity upgrades, new business work, planned maintenance work and substantial outages for substation construction. This notification system is specific to planned outages affecting power producing DER, and will not be utilized for unplanned or emergency outages that affect all customers.⁴

II. Quarterly Reporting Requirements

The Commission's December 5, 2019 Order requested the Company explore the following for purposes of reporting on CSG planned outages in our future Solar*Rewards Community Quarterly Compliance Filings: each SRC that was temporarily disconnected, outage start date, outage duration (in days), and a brief description of the purpose of the outage.

We propose to include the following table in our future quarterly reporting filings:

⁴ More information on how unplanned outages and emergencies are handled companywide can be found at www.xcelenergy.com/outages.

Table 1: Solar*Rewards Quarterly Report – Planned Outage Reporting

A	B	C	D	E	F	G	H	I
SRC #	Advanced Notification Date	Outage Start Notification Date	Update Notification Date (as applicable)	Reason for change in column D, as applicable (categorized)	Actual Outage Start Date (as listed in the Outage End notification summary)	Actual Outage End and Notification Date	Estimated Outage Duration (in days)	Description of the purpose of the outage (categorized)

These details help meet stakeholder priorities and further provide a record of these outages moving forward. In Section IV below, we discuss how this reporting proposal compares to the content of the quarterly reporting requested by the Joint Commenters.

III. Efforts to Mitigate or Shorten Planned Outages

The Commission’s February 10, 2020 Notice identified two issues for comment:

- 1.) The Company’s proposal for tracking and reporting on CSG planned outages as part of its quarterly reporting; and,
- 2.) The Company’s plan to improve notification of CSG planned outages.

Notwithstanding this limited scope, Commenters also submitted comments on mitigating planned outages, which is outside the scope of topics identified in the Commission’s Notice. We recognize that the Commission may choose to exclude from its review the comments on out-of-scope issues. Therefore, we describe briefly here our efforts to mitigate planned outages.

When interconnecting distributed energy resources (DER), the Company focuses on: safety, reliability, adherence to standards, and least cost to developer interconnection. As part of this, the Company makes reasonable efforts to mitigate impacts from DER disconnections. For example, because some gardens were unable to meet certain IEEE requirements (containing common safety protocols), we began to take all CSGs offline during hotline work.⁵

Our interconnection design is also focused on least cost resources. For CSGs, garden operators and developers have consistently, since program launch, requested least cost approaches, and as a result, we always provide overhead lines in the first design unless there is a known requirement for underground (which is more costly) and study

⁵ See Compliance Report filed on January 30, 2020.

interconnection to only one feeder for any given CSG.⁶ Since DER customers must pay for all interconnection costs, any increase in cost from first design to actual interconnection will impact the business case for CSGs.

We also consider the impact of interconnection to existing DER where “reasonable efforts” can be made to minimize disconnections. For example, we had scheduled an eight week outage on a single feeder for 17 projects due to reconductoring necessary to interconnect a new CSG coming online this summer. At this location there were four additional projects in queue. To mitigate the multiple week outage of active CSGs, we reached out to MnSEIA, who in turn organized a conference call between all the developers impacted, including active gardens and those in the interconnection queue.

With the permission of the next in queue garden, the construction of the project was put on hold while we reviewed an option to put in new electrical line across the street rather than reconductoring the existing overhead line. This option, however, will not provide a “least cost” option for interconnection at this site. As a solution, the additional upgrade costs will be covered by the existing CSGs through an agreement negotiated by MnSEIA and the interested parties.

While this solution is still being reviewed, it will require development of new business rules, including: cost allocation for additional interconnection costs; whether the next in queue will agree to extending the timeline for interconnection due to the extra interconnection work involved; under what circumstances the Company would initiate coordination between parties; and, what are the impacts if our guidance is to no longer focus on least-cost interconnection design options.

We also note that Geronimo raised concern with house power (the energy needed from Xcel Energy’s system to run equipment and systems at the garden site). Geronimo indicated that there should be a way to mitigate the outage by continuing to provide house power even when the generation is shut off. Many CSGs have designed their systems for interconnection with only one disconnect switch for use by the Company. Developers can design systems to enable more than one disconnect (i.e., one for shut-off of the house power and a separate one for shut-off of the DER generation). We are prepared to review any redesigns submitted by developers; however, this would require a design that includes an additional meter and therefore, a substantial redesign for a project.

⁶ November 1, 2016 Commission Order in Docket No. E002/M-13-867.

We are open to further discussions regarding planned outage mitigations and technical solutions that may decrease or eliminate these disruptions in the future consistent with our obligation to adhere to standards and to operate a safe and reliable system. As discussed at previous stakeholder conversations, the Company is planning to schedule further stakeholder discussion and engagement regarding mitigation in June of 2020.⁷

IV. Comments by Parties

As the design of our new notification process has progressed, we were able to incorporate in the process several additional requests by our stakeholders. Notably, we have aligned with the Department's request to include changes to the actual outage from initial notice and the reason for that change. We will be able to categorize the reason for the change update. However, the solution we have identified will not provide granular case-specific details as requested by certain developers. These granular requests would require a manual process, would increase administration costs, and would be slower to implement. Our intent was to create a solution that could be implemented at a minimal cost without hiring additional full time employees to complete just this work.

The other Commenters – both Geronimo Energy and the Joint Commenters – have requested the Company add additional reporting elements, matching the proposal presented by MnSEIA.⁸ We believe our proposal strikes a balance between quickly providing additional information and maintaining the core purpose of our Control Center (whose main focus is managing the grid), and does this without additional cost to the Garden Operators. In order to reach this balance cost-effectively, we are unable to provide all of the details requested in MnSEIA's proposal.

The Commenters requested additional details in future notices for planned outages. We list their requests and our specific responses for each request below.

- *Switching Order Number:* These numbers will be included in the Company proposed planned outage notifications.
- *Plan of Work:* We will provide a general description of the outage, including the driving category of the outage that can be given by our Control Center. Because work plans are created by the design team and not by the Control

⁷ The Company is currently putting all stakeholder workgroups on hold given the evolving COVID-19 pandemic. This meeting is tentatively scheduled and will be determined to be an in-person or teleconference discussion at a later date.

⁸ See Xcel Energy's January 30, 2020 Compliance Filing, Attachment A at pages 23-24.

Center, detailed descriptions of work plans will be unavailable for the Control Center staff.

- *Entity type initiating planned outage:* This detail is redundant to “Plan of Work” and the sharing of specific details would violate customer privacy requirements. We will, however, provide a generalized category differentiating between outages required by the interconnection of additional DER, Xcel Energy Company work, or City/County work.
- *Whether the Planned Outage will cause an outage for retail service customers:* Planned outages due to hotline work are specific to DER and do not ever cause outages for other retail customers; therefore, this will not be included.
- *What reasonable efforts has Xcel Energy taken to mitigate the damages and losses to the CSG:* These efforts are similar in nature for all ongoing CSG projects and we will include a discussion on mitigation as a whole in ongoing reporting, not in individual notifications.

For quarterly reporting, Commenters requested the inclusion for each planned outage of *start date and time, outage duration in days and steps taken to mitigate the individual planned outage*. We are able to provide by feeder the start date and outage duration in days of each planned outage; but, we are unable to provide exact time of the planned outage due to operational procedures of our field crews. The specific time is not reasonably available for quarterly reporting as many outages impact more than one garden at a time. In these cases, the switch plan begins when the first CSG in line is taken offline and ends when the last CSG is put back online. Due to the popularity of this program, there are many feeders with several CSGs and therefore it may take up to a full day for these CSGs on a given feeder to be serially taken offline or serially put back online and the exact time for each such disconnection/reconnection for each CSG is not readily trackable by the Company. Developers interested in this data, however, will be able to determine the time within 15 minutes by looking at data from their production meters and this data is already available to each developer. In addition, we will also provide a narrative regarding outage mitigation for the program as a whole rather than for each planned outage as the mitigation for each outage would generally have a similar mitigation analysis.

CONCLUSION

We request that the Commission accept our implementation plans to notify Garden Operators of planned outages and adopt our quarterly reporting for planned outages in this docket. With this approach, the Company will be able to generally maintain its operational practices without increasing participation costs to Garden Operators. We are aiming to launch our new outage notification tool between May and September

2020 and will begin to provide quarterly reporting in the months following the launch of the notification tool. In addition, we will continue to have stakeholder discussions regarding our safety requirements for and future mitigation of planned outages, currently planned for June 2020.

Dated: April 3, 2020

Northern States Power Company

From: [Xcel Energy Mass Notification](#)
To: [Pomerleau, Crystal R](#)
Subject: SRC Outage Notification
Date: Thursday, February 20, 2020 1:25:55 PM
Importance: High

CAUTION EXTERNAL SENDER: Stop and consider before you click links or open attachments.

Report suspicious email using the 'Report Phishing/Spam' button in Outlook.

[Please click here to acknowledge receipt of this message](#)

This is a message to notify you that Xcel Energy will be removing CSG's from service on Feeder 12345 and Switch Plan SRC 12387 during planned work for system maintenance.

This outage is estimated to begin on 02-18-2020 and is estimated to be completed by 02-19-2020. Please note that this does not indicate that you will be out of service the entirety of this time period, our work is dictated by work crews and overall system health.

If you have questions about this outage, please contact SRCMN@xcelenergy.com.

If you are receiving this notification, you are listed as the 24-hour contact for the community solar gardens listed above – it is the responsibility of this contact to notify other interested parties.

Thank you for your cooperation.

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; or

xx by electronic filing.

Docket No.: E002/M-13-867

Dated this 3rd day of April 2020.

/s/

Lynnette Sweet
Regulatory Administrator

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_13-867_Official
Michael	Allen	michael.allen@allenergysolar.com	All Energy Solar	721 W 26th st Suite 211 Minneapolis, Minnesota 55405	Electronic Service	No	OFF_SL_13-867_Official
David	Amster Olzweski	david@mysunshare.com	SunShare, LLC	1151 Bannock St Denver, CO 80204-8020	Electronic Service	No	OFF_SL_13-867_Official
Sara	Baldwin Auck	sarab@irecusa.org	Interstate Renewable Energy Council, Inc.	PO Box 1156 Latham, NY 12110	Electronic Service	No	OFF_SL_13-867_Official
Laura	Beaton	beaton@smwlaw.com	Shute, Mihaly & Weinberger LLP	396 Hayes Street San Francisco, CA 94102	Electronic Service	No	OFF_SL_13-867_Official
Sara	Bergan	sebergan@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_13-867_Official
Kenneth	Bradley	kbradley1965@gmail.com		2837 Emerson Ave S Apt CW112 Minneapolis, MN 55408	Electronic Service	No	OFF_SL_13-867_Official
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_13-867_Official
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_13-867_Official
Gabriel	Chan	gabechan@umn.edu		301 19th Ave S Minneapolis, Minnesota 55455	Electronic Service	No	OFF_SL_13-867_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_13-867_Official
Arthur	Crowell	Crowell.arthur@yahoo.com	A Work of Art Solar	14333 Orchard Rd. Minnetonka, MN 55345	Electronic Service	No	OFF_SL_13-867_Official
Timothy	DenHerder Thomas	timothy@cooperativeenergyfutures.com	Cooperative Energy Futures	3500 Bloomington Ave. S Minneapolis, MN 55407	Electronic Service	No	OFF_SL_13-867_Official
James	Denniston	james.r.denniston@xcenergy.com	Xcel Energy Services, Inc.	414 Nicollet Mall, Fifth Floor Minneapolis, MN 55401	Electronic Service	No	OFF_SL_13-867_Official
Betsy	Engelking	betsy@geronimoenergy.com	Geronimo Energy, LLC	8400 Normandale Lake Blvd Suite 1200 Bloomington, MN 55437	Electronic Service	No	OFF_SL_13-867_Official
John	Farrell	jfarrell@ilsr.org	Institute for Local Self-Reliance	2720 E. 22nd St Institute for Local Self-Reliance Minneapolis, MN 55406	Electronic Service	No	OFF_SL_13-867_Official
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_13-867_Official
Matthew D.	Forsgren	mforsgren@greeneespel.com	GREENE ESPEL PLLP	222 S. Ninth Street, Suite 2200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_13-867_Official
Nathan	Franzen	nathan@geronimoenergy.com	Geronimo Energy, LLC	8400 Normandale Lake Blvd Suite 1200 Bloomington, MN 55437	Electronic Service	No	OFF_SL_13-867_Official

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_13-867_Official
Allen	Gleckner	gleckner@fresh-energy.org	Fresh Energy	408 St. Peter Street Ste 220 Saint Paul, Minnesota 55102	Electronic Service	No	OFF_SL_13-867_Official
Sean	Gosiewski	sean@afors.org	Alliance for Sustainability	2801 21st Ave S Ste 100 Minneapolis, MN 55407	Electronic Service	No	OFF_SL_13-867_Official
Scott	Greenbert	scott@nautilusolar.com	Nautilus Solar Energy, LLC	396 Springfield Aver, Ste 2 Summit, NJ 07901	Electronic Service	No	OFF_SL_13-867_Official
Timothy	Gulden	timothy.gulden@yahoo.com	Winona Renewable Energy, LLC	1449 Ridgewood Dr Winona, MN 55987	Electronic Service	No	OFF_SL_13-867_Official
MeLena	Hessel	MHessel@elpc.org	Environmental Law & Policy Center	35 E. Wacker Dr. Suite 1600 Chicago, IL 60601	Electronic Service	No	OFF_SL_13-867_Official
Jan	Hubbard	jan.hubbard@comcast.net		7730 Mississippi Lane Brooklyn Park, MN 55444	Electronic Service	No	OFF_SL_13-867_Official
John S.	Jaffray	jjaffray@jirpower.com	JJR Power	350 Highway 7 Suite 236 Excelsior, MN 55331	Electronic Service	No	OFF_SL_13-867_Official
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	OFF_SL_13-867_Official
Julie	Jorgensen	juliejorgensen@greenmark solar.com	Greenmark Solar	4630 Quebec Ave N New Hope, MN 55428-4973	Electronic Service	No	OFF_SL_13-867_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ralph	Kaehler	ralph.kaehler@novelenergy.biz		N/A	Electronic Service	No	OFF_SL_13-867_Official
Cliff	Kaehler	cliff.kaehler@novelenergy.biz	Novel Energy Solutions	N/A	Electronic Service	No	OFF_SL_13-867_Official
Michael	Kampmeyer	mkampmeyer@a-e-group.com	AEG Group, LLC	260 Salem Church Road Sunfish Lake, Minnesota 55118	Electronic Service	No	OFF_SL_13-867_Official
William	Kenworthy	will@votesolar.org		18 S. Michigan Ave Ste 1200 Chicago, IL 60603	Electronic Service	No	OFF_SL_13-867_Official
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_13-867_Official
Aaron	Knoll	aknoll@greeneespel.com	Greene Espel PLLP	222 South Ninth Street Suite 2200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_13-867_Official
Jon	Kramer	sundialjon@gmail.com	Sundial Solar	3209 W 76th St Edina, MN 55435	Electronic Service	No	OFF_SL_13-867_Official
Michael	Krause	michaelkrause61@yahoo.com	Kandiyo Consulting, LLC	433 S 7th Street Suite 2025 Minneapolis, Minnesota 55415	Electronic Service	No	OFF_SL_13-867_Official
Dean	Leischow	dean@sunrisenrg.com	Sunrise Energy Ventures	315 Manitoba Ave Wayzata, MN 55391	Electronic Service	No	OFF_SL_13-867_Official
Matthew	Melewski	matthew@theboutiquefirm.com	Nokomis Partners	818 W 46th Street, Suite 204 Minneapolis, MN 55419	Electronic Service	No	OFF_SL_13-867_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Thomas	Melone	Thomas.Melone@AllcoUS.com	Minnesota Go Solar LLC	222 South 9th Street Suite 1600 Minneapolis, Minnesota 55120	Electronic Service	No	OFF_SL_13-867_Official
Brian	Meloy	brian.meloy@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_13-867_Official
Marc	Miller	mmiller@soltage.com	Soltage, LLC	66 York Street, 5th Floor Jersey City, NJ 07302	Electronic Service	No	OFF_SL_13-867_Official
Marcus	Mills	Marcus@communitypowermn.org	Community Power	2720 E 22nd St Minneapolis, MN 55406	Electronic Service	No	OFF_SL_13-867_Official
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_13-867_Official
Rolf	Nordstrom	rnordstrom@gpisd.net	Great Plains Institute	2801 21ST AVE S STE 220 Minneapolis, MN 55407-1229	Electronic Service	No	OFF_SL_13-867_Official
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_13-867_Official
Eric	Pasi	ericp@ips-solar.com	IPS Solar	2670 Patton Rd Roseville, MN 55113	Electronic Service	No	OFF_SL_13-867_Official
Dan	Patry	dpatry@sunedison.com	SunEdison	600 Clipper Drive Belmont, CA 94002	Electronic Service	No	OFF_SL_13-867_Official
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_13-867_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Matthew	Pelikan	mpelikan@madellaw.com	Madel PA	800 Pence Bldg 800 Hennepin Ave Minneapolis, MN 55403	Electronic Service	No	OFF_SL_13-867_Official
Joyce	Peppin	joyce@mrea.org	Minnesota Rural Electric Association	11640 73rd Ave N Maple Grove, MN 55369	Electronic Service	No	OFF_SL_13-867_Official
Generic Notice	Residential Utilities Division	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_13-867_Official
Isabel	Ricker	ricker@fresh-energy.org	Fresh Energy	408 Saint Peter Street Suite 220 Saint Paul, MN 55102	Electronic Service	No	OFF_SL_13-867_Official
Jonathan	Roberts	jroberts@soltage.com	Soltage	66 York St 5th Floor Jersey City, NJ 07302	Electronic Service	No	OFF_SL_13-867_Official
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th Pl E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_13-867_Official
David	Shaffer	shaff081@gmail.com	Minnesota Solar Energy Industries Project	1005 Fairmount Ave Saint Paul, MN 55105	Electronic Service	No	OFF_SL_13-867_Official
Doug	Shoemaker	dougs@charter.net	Minnesota Renewable Energy	2928 5th Ave S Minneapolis, MN 55408	Electronic Service	No	OFF_SL_13-867_Official
Russ	Stark	Russ.Stark@ci.stpaul.mn.us	City of St. Paul	390 City Hall 15 West Kellogg Boulevard Saint Paul, MN 55102	Electronic Service	No	OFF_SL_13-867_Official
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_13-867_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Thomas P.	Sweeney III	tom.sweeney@easycleanenergy.com	Clean Energy Collective	P O Box 1828 Boulder, CO 80306-1828	Electronic Service	No	OFF_SL_13-867_Official
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_13-867_Official
Anna	Tobin	atobin@greeneespel.com	Greene Espel PLLP	222 South Ninth Street Suite 2200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_13-867_Official
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_13-867_Official
John	Vaughn	jvaughn@rreal.org	Rural Renewable Energy Alliance	3963 8th Street SW Backus, MN 55435	Electronic Service	No	OFF_SL_13-867_Official