



414 Nicollet Mall
Minneapolis, MN 55401

February 14, 2025

—Via Electronic Filing—

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

RE: BIENNIUM AND 2024 LEGISLATIVE REPORT
DOCKET NOS. E002/M-00-1583, E002/M-03-1883, E002/M-07-675 AND
E002/M-12-1278

Dear Mr. Seuffert:

Northern States Power Company, doing business as Xcel Energy, submits the enclosed Biennial Report pursuant to the Minnesota Public Utilities Commission's April 20, 2001 Order and the 2024 Annual Report to the Minnesota State Legislature pursuant to Minn Stat. § 116C.779.

Consistent with last year, the Company provides a streamlined and more organized report due to the fewer number of active RDF grant projects currently in progress (Cycle 4 projects remain). The reformatted report provides historical and trending data for the RDF account. For this reason, and because the Company provides significant information about the status of the RDF in its annual rate rider and the quarterly reports about the ongoing grant funded projects, the Company believes that providing one concise document rather than individual Biennial and Legislative reports provides useful information for both the Commission and the Legislature.

We have electronically filed this document with the Minnesota Public Utilities Commission and a copy provided to the Chairs and Ranking Minority Members of

the legislative committees with jurisdiction over energy policy on projects funded by the RDA and copies have been served on the parties on the attached service list.

If you have any questions regarding this filing, please contact me at gail.baranko@xcelenergy.com or (612) 330-6935.

Sincerely,

/s/

GAIL BARANKO
MANAGER, REGULATORY ADMINISTRATION

Enclosures

cc: Service Lists

Rep. Patty Acomb

Rep. Chris Swedzinski

Sen. Nick Frentz

Sen. Andrew Mathews

Xcel Energy
Renewable Development Fund (RDF)

**Annual Report to the Minnesota State Legislature
and Minnesota Public Utilities Commission**

February 14, 2025

I. BACKGROUND

The Renewable Development Fund (RDF) program was first authorized by the Minnesota Legislature in 1994 alongside legislation regarding the Prairie Island nuclear generating plant in Red Wing, Minnesota. As a condition of storing spent nuclear fuel in dry casks at Prairie Island, the RDF statute required Xcel Energy to transfer \$500,000 per year for each dry cask containing spent fuel to a renewable energy fund, totaling \$9 million annually. In 2003, the statute was amended to extend the lifespan of nuclear-waste storage at Prairie Island, increasing the annual transfer to a fixed sum of \$16 million. In 2007, another amendment added a further assessment for dry casks stored at our nuclear generating plant in Monticello, Minnesota. Over the years, the annual amount set aside for RDF funding has increased as the Company has added more dry cask storage at both its Prairie Island and Monticello nuclear generating plants.

While the Renewable Development Fund Statute, Minn. Stat. § 116C.779, has been amended several times since its creation, 2017 Minnesota Session Laws Chapter 94, Article 10, Section 3 (the 2017 Legislation) made significant changes to the RDF program. These changes include:

- The creation of a new Renewable Development Account (RDA) in the special revenue fund in the state treasury, administered by the commissioner of management and budget (MMB). Previously, the funds were known as the RDF and administered by Xcel Energy.
- Changes to the purposes for which RDA funds can be spent in future funding cycles.
- The establishment of a new RDA advisory group, while the existing RDF advisory group remains for oversight over the RDF's prior funding cycles.
- Changes to the process for soliciting, selecting, and awarding RDA funds in future funding cycles.
- Changes in reporting requirements, mandating the RDA advisory group to submit an annual report on the projects funded by the RDA for the prior year and all previous years. Previously, these reports were submitted by Xcel Energy.

- A requirement that the Commissioner of Management and Budget report to the legislature on the availability of funds in and obligations of the RDA.

Essentially, the 2017 Legislation created two types of programs under the statute—the new RDA, funded by the annual transfer to the MMB (less the current legislative mandates) and the legacy RDF grants, which continue to be referred to as the RDF.

Under Minn. Stat. § 116C.779 subdiv. 1(p), the RDA advisory group is required to report to the chairs and ranking minority members of the legislative committees with jurisdiction over energy policy on projects funded by the RDA. This advisory group was supposed to include, among others, representatives of the public utility and its ratepayers, as well as at least one representative of the Prairie Island Indian community appointed by that community’s tribal council. However, the 2017 legislation did not specify which entity is responsible for creating the RDA advisory group, and as a result, the group has not been established.

Given Xcel Energy’s familiarity with the projects funded under the legacy RDF, its ongoing obligation for annual reporting to the Minnesota Public Utilities Commission, and the absence of an established RDA advisory group, Xcel Energy is submitting this report on behalf of the RDA advisory group. However, since the RDA advisory group was never established, Xcel Energy notes that it only provides information about its administration of RDA funds and has not consulted with the proposed advisory group representatives about the contents of this report.

II. FINANCIAL IMPACT OF THE RDF AND RDA

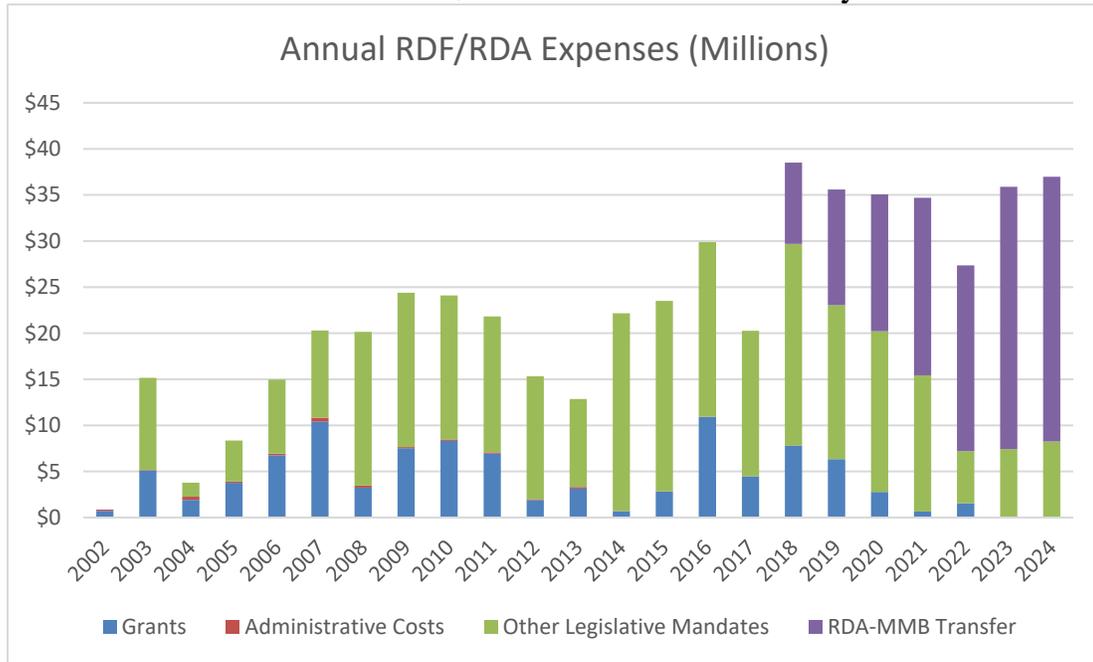
Under Minn. Stat. § 116C.779 subdiv (1)(c), (d) and (e), Xcel Energy must annually transfer \$500,000 to the RDA for each cask at its Prairie Island nuclear generating plant and \$350,000 for each cast at its Monticello nuclear plant. However, the Company can withhold RDF payments for ongoing legislative programs previously enacted. In 2024, because of the number of casks at Prairie Island and Monticello, the total cask obligation for RDA and RDF purposes amounted to \$36.5 million. Since inception, a cumulative total of \$567.45 million has been set-aside for RDA or RDF purposes. The 2023 Legislation updated Minn. Stat. § 116C.779 subdiv (1)(c), reducing the total amount transferred annually reduced by \$3,750,000.

The costs of the RDA and RDF are recovered from Xcel Energy’s customers through an adjustable surcharge on their monthly electricity bills, known as a rate rider. Each year, on October 1, Xcel Energy submits an RDF summary report to the Public Utilities Commission. This report includes a proposed RDF rate rider charge for the

upcoming year, an annual financial report summarizing the RDF program’s past expenses, and a two-year expense forecast. In 2024, the RDF charge was \$0.001385 per kWh, or \$0.83 per month for the average residential customer using 600 kWh.

While Minn. Stat. §116C.779 subdiv. (1)(j) specifies purposes for which these funds may be spent, a decreasing amount has been spent on grants furthering these purposes. As can be seen in the chart below and detailed in **Attachment A**, the majority of the funds set aside under this program have gone to various legislative mandates. The Company’s transfer to the MMB for funding the RDA constitutes an increasing share of the annual payment, with only a small amount spent on the administration of the RDA and RDF.

Figure 1
Annual RDF/RDA Costs for Recovery



III. LEGISLATIVE MANDATES

A. Solar*Rewards

Minnesota’s Solar Energy Standards, established by Minn. Stat. § 116C.7792, directed the Company to establish a performance-based solar energy incentive program funded entirely by RDA funds. In 2013, Xcel Energy filed a program proposal with the Department of Commerce to approve the Solar*Rewards program, which provides

production incentives for qualifying solar energy systems.¹ The Solar*Rewards program launched on August 4, 2014. Since then, Minn. Stat. § 116C.7792 has been extended several times, with the program now running through 2035.

The Solar*Rewards program offers incentives for PV systems of a maximum total nameplate capacity of 40 kW alternating current. While appropriations were established, incentives are paid out over a 10-year period. Since this program's inception using RDF/RDA funding in 2014, 89.1 MW² of solar has been installed (roughly 9,434 systems).

B. Solar*Rewards For Schools

With the adoption of Minn. Stat. § 216C.376, the Company was directed to establish a solar for schools program for school districts and/or state college or universities. In October of 2021, Xcel Energy filed a program proposal with the Department of Commerce to approve the Solar*Rewards for Schools program. This program encourages schools to install and operate new solar energy systems by providing financial incentives for new on-site systems with a total aggregate nameplate capacity not exceeding the lesser of one (1) megawatt alternating current or 120 percent of the average annual electric energy consumption of the school building. The program was launched on May 2, 2022.

In May 2023, Minnesota Legislation repealed Minn. Stat. § 216C.376. Consequently, the Company filed a request with the Department of Commerce to administratively close the Solar for Schools program to new applications. This meant stopping the acceptance of new applications while continuing to process existing applications that already have been allocated incentives. The Deputy Commissioner's August 23, 2023 Decision in Docket No. E002/M-13-1015 confirmed this path forward:

*Approves Xcel's proposal to administratively close the Xcel Energy Solar*Rewards for Schools program as found on tariff sheets 9-100 to 9-112, to stop accepting new applications, and to stop processing previously submitted applications that have not already been allocated incentives but allow Xcel to continue to process the remaining Solar*Rewards for Schools applications that have already been allocated incentives.*

Since the program launched in 2022, the Solar*Rewards for Schools program has allocated approximately \$2.6 million in incentives to ten eligible schools before the

¹ Docket No. E,G002/CIP-13-1015.

² As the result of a data clean-up effort, the Company discovered some early Solar*Rewards systems that were largely oversized. The data has been corrected within our system, and the installed capacity has been updating accordingly. This number may reflect a smaller number than previously reported.

new legislation repealed the statutory basis for this program. Most of these projects were installed and became operational in 2023. The Company will continue to pay production incentives for these projects through their 10-year contracts. Additionally, the Company will maintain systems and tools to track and report on Solar for Schools for the Department of Commerce.

In 2022, the Company withheld \$8,000,000 from the transfer made under the RDA per Minn. Stat. § 216C.376 to provide financial assistance to schools and cover administrative costs for operating the program.³ The Company has allocated \$2,582,836 in incentives for nine applications moving through interconnection (one application withdrew since filing the 2024 Compliance report)⁴. Most of these projects are operational. The Company also projected an annual expenditure of \$15,000 for program administration over the duration of the 10-year contracts. The remaining funds (approximately \$5.2 million) were transferred to the RDA in January 2024. In the future, any remaining administration or incentive dollars not incurred will also be transferred to the RDA.

Our 2024 RDF Rider included the recovery of costs anticipated to be incurred in 2024.

IV. COMPANY TRANSFER TO THE MMB FOR THE RDA

Under the 2017 Legislation, Minn. Stat. § 116C.779, subdiv. 1(b)-(d), the Company is required to transfer its annual funding obligation for the storage of dry casks at the Prairie Island and Monticello nuclear power plants to the RDA, after deducting the amount necessary to pay its legislative obligations. In 2024, the Company's obligation for the storage of dry casks located at Prairie Island and Monticello was \$37 million (before deductions).

Minn. Stat. § 116C.779 mandates that the MMB administer the RDA account and provide a written report by February 1 each year to the chairs and ranking minority members of the senate and house committees with jurisdiction over energy policy and finance. This report details the availability of RDA funds in and obligations of the RDA. The Company defers to the MMB's report on those issues.

The 2017 Legislation does not designate an entity to “manage” the RDA, but the MMB is responsible for its administration. The legislation also seems to envision a new RDA advisory group, potentially with a different composition than the legacy

³ See 116C.779, subdivision 1, paragraph (e) and 2021 1st Special Session Laws, Chapter 4, Article 8, Section 24, subd. 5.

RDF advisory group (described below), to handle the preparation of requests for proposals and make funding recommendations to the Company. However, the process outlined in this legislation lacks certain critical details and has internal inconsistencies. As of now, an RDA advisory group has not been established.

V. LEGACY RDF GRANT PROGRAM

The 2017 Legislation struck a provision that referenced the Company’s management of the RDF. However, Xcel Energy continues to be responsible for the day-to-day administration of the legacy RDF, in accordance with Minnesota Public Utilities Commission precedent. A seven-member advisory group, representing various stakeholder interests, assists Xcel Energy in administering the remaining legacy RDF grants. Further details about the members of the RDF advisory group can be found in **Attachment B**.

For informational purposes, **Attachment C** includes a complete list of projects that have been awarded RDF grants prior to the enactment of the 2017 legislation. As Table 1 below shows, 80 legacy RDF projects have been completed, and one is still active.

**Table 1
Summary of Project Status**

Type	Completed	Active as of 12/31/2024	Total
Energy Production	25	1	26
Research	52	0	52
Higher Education Block Grant	3	0	3
Total	80	1	81

Conclusion

Xcel Energy appreciates the opportunity to provide this report, which summarizes the projects funded by the RDA and includes information about the projects funded by the RDF for informational purposes, through 2024.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Cask Fee Revenue	4,500,000	6,000,000	7,000,000	8,500,000	16,000,000	16,000,000	16,000,000	16,000,000	16,000,000	19,500,000	19,500,000	19,500,000	19,500,000	19,500,000	22,750,000	24,250,000	25,250,000	25,600,000	25,600,000	32,500,000	32,500,000	34,000,000	34,000,000	35,500,000	35,500,000
Solar Rebates	-	-	-	-	-	-	-	-	-	-	-	-	382,541	1,808,050	2,119,059	3,686,335	3,950,536	3,513,790	2,149,212	1,650,546	447,620	43,157	-	-	-
Solar Rewards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55,503	66,743	523,430	594,055	725,654	2,409,068	3,419,232	4,381,683	5,625,966	7,295,953
DOC Solar Incentive Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,021,295	12,014,671	12,073,296	11,868,026	-	-	-	-	-	-
Fibrominn/Benson Power	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,000,000	6,500,000	6,500,000	3,000,000	-	-
Laurentian Energy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,600,000	6,800,000	6,800,000	6,800,000	-	-
DEED 21st Century Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000,000	-	-	-	-	-
OES Program Support	-	-	-	-	-	-	-	-	-	-	675,000	987,500	312,500	-	-	-	-	-	-	-	-	-	-	-	-
IREE Program Support	-	-	-	-	-	-	-	-	-	-	2,500,000	5,000,000	5,000,000	2,500,000	-	-	-	-	-	-	-	-	-	-	-
Solar Energy Standard Exemption	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excelsior	-	-	-	-	-	-	2,000,000	2,000,000	1,707,182	390,776	3,171,035	731,007	-	-	-	-	-	-	-	77,123	39,210	55,651	35,752	19,697	30,710
Next Gen Incent	-	-	-	-	-	-	-	-	3,812,511	7,625,000	3,812,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCA REPI Pay	-	-	-	-	-	-	-	-	(4,000,000)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AURI	-	-	-	-	-	-	150,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U of M	-	-	-	-	10,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Administrative Costs	-	-	-	154,574	53,350	342,320	135,366	188,682	431,952	225,705	118,052	147,234	139,629	101,533	178,458	24,781	15,741	25,343	17,051	956	-	-	-	-	-
Transfer to RDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,817,885	12,556,510	14,852,115	19,259,667	20,159,757	28,468,278
DOC State Incentive Support (REPI)																									
Wind	-	-	-	-	37,785	1,478,867	2,561,136	3,541,356	5,364,843	4,876,695	5,509,788	5,461,793	5,578,659	6,027,256	5,648,214	4,780,993	3,496,069	1,719,730	400,116	82,508	-	-	-	-	-
Biogas & Hydro	-	-	-	-	-	34,144	42,298	62,426	36,085	36,823	292,335	392,045	522,260	523,737	462,556	380,557	1,156,891	1,111,489	769,190	757,897	516,297	614,139	565,593	-	-
1st Wind	-	-	-	-	-	-	1,706,992	4,411,999	4,268,408	4,135,176	3,955,365	3,778,190	2,933,087	2,466,897	1,302,132	535,384	-	-	-	-	-	-	-	-	-
REPI (15+16+17 =)	-	-	-	-	-	1,513,011	4,310,426	8,015,781	9,669,336	9,048,693	9,757,488	9,632,028	9,034,006	9,017,890	7,412,902	5,696,934	4,652,960	2,831,219	1,169,306	840,405	516,297	614,139	565,593	-	-
Cycle 1 - 4 Payments	-	-	-	715,901	5,104,353	1,917,256	1,761,907	4,753,411	8,677,031	2,847,851	4,362,038	7,595,376	6,943,768	1,902,837	3,142,992	680,843	2,809,764	10,917,325	4,464,752	7,793,971	6,330,850	2,774,641	650,575	1,550,952	100,027

RDF advisory group as of December 31, 2024

- Vacancy
Minnesota Division of Energy Resources
Representing Residential Customers
- (deceased) Vacancy
Health Partners
Representing Commercial and Industrial Customers
- Heather Westra
Representing Prairie Island Indian Community
- Vacancy
NSP-Minnesota
Representing NSP-Minnesota
- Tami Gunderzik, Senior Manager Product Portfolio
NSP-Minnesota
Representing NSP-Minnesota
- Lester Shen, Senior Research Engineer
MN Center for Energy and Environment
- Ben Gerber
MRETS
Representing environmental community

RDF Administration

- Gail Baranko, Program Manager
- Pamela Gibbs, Grant Administrator

Project Name	Contract	Project End Date	Status	Type	Cycle	Resource	Project Description	RDF Award (Grant Amount)	Grant Funds Disbursed
CENTRAL REGION									
University of Minnesota (Dairy)	RD4-2	2/28/20	complete	RD	4	Solar/Wind	Model a "net-zero" energy dairy parlor at the West Central Research and Outreach Center by integrating 20 kW wind and 54 kW solar with storage.	\$982,408	\$656,396
City of Hutchinson	EP4-41	6/1/16	complete	EP	4	Solar	Installed 400 kW photovoltaic fixed-tilt array on a capped municipal landfill and use the power at the adjacent wastewater treatment facility.	\$958,369	\$958,369
Best Power Int'l (St. John's Expansion)	EP4-6	3/16/15	complete	EP	4	Solar	Installed a 182 kW photovoltaic fixed-tilt array at St. John's solar farm for a side-by-side comparison with the existing 400 kW single-axis tracking array.	\$172,213	\$172,213
Best Power Int'l (St. John's)	EP3-3	5/8/10	complete	EP	3	Solar	Installed a 400 kW photovoltaic facility at St. John's University to demonstrate commercial viability of solar power in Minnesota.	\$1,994,480	\$1,994,480
University of Minnesota (Biomass)	RD3-23	8/1/11	complete	RD	3	Biomass	Evaluated economic and technical issues related to biomass fuel and integrated gasification combined cycle technology.	\$819,159	\$729,717
University of North Dakota (Digester)	RD3-68	4/30/12	complete	RD	3	Biomass	Field demonstration of a hydrogen sulfide reduction process at the anaerobic digester on the 1,000-acre Haubenschild Dairy Farm.	\$970,558	\$970,480
Minnesota Valley Alfalfa Producers	RD3-69	7/15/15	complete	RD	3	Biomass	Researching application of kinetic disintegration technology to produce biomass pellets from feedstocks with varying levels of moisture.	\$1,000,000	\$825,489
Energy Performance Systems	RD-50	2/19/13	complete	RD	2	Biomass	Built and demonstrated equipment for an integrated system to supply farm grown trees as a biomass feedstock to a power plant.	\$957,929	\$957,929
Blattner and Sons	BW-06	12/15/02	complete	RD	1	Wind	Developed a platform that would climb the tower to eliminate that need for crane to construct very tall wind turbines.	\$68,470	\$62,346
Economic Benefits for West Central Region								\$7,923,586	\$7,327,419
NORTH REGION									
University of Minnesota (Torrefaction)	RD4-11	9/30/2021	complete	RD	4	Biomass	Demonstrate a prototypic torrefaction bioconversion process and distributed electric generation.	\$1,899,499	\$1,765,541
West Central Telephone Assoc.	RD3-58	5/12/10	complete	RD	3	Wind/Solar	Designed and tested configurations and specifications of a hybrid wind/solar power system for distributed generation in remote locations.	\$137,000	\$137,000
University of North Dakota (Liquifaction)	RD3-66	4/10/12	complete	RD	3	Biomass	Designed and demonstrated a mobile biomass liquefaction system that can utilize high moisture wood waste.	\$999,065	\$998,697
Mesaba/Excelsior Energy	EP-43	6/24/10	complete	EP	2	Innovative	To design the basis of a base load Integrated Gasification Combined-Cycle (IGCC) power generation facility.	\$10,000,000	\$10,000,000
CMEC	EP-44	3/12/11	complete	EP	2	Biomass	Designed 959-kW gasification plant to utilize distillers grains and local biomass. Refractory issues prevented completion of the facility.	\$2,000,000	\$400,000
University of Florida	RD-34	5/16/09	complete	RD	2	Biomass	Demonstrated two-stage anaerobic digester at American Crystal Sugar in Moorhead, MN to generate methane for conversion to electricity.	\$999,995	\$996,875
Gas Technology Institute	RD-38	10/12/07	complete	RD	2	Biomass	Developed a method to extract hydrogen from biomass gasification using membrane separation technologies.	\$861,860	\$861,860
Region 5 Development Commission	EP4-44	7/9/19	complete	EP	4	Solar	Install not more than 1,493 kw of direct-current (kwdc) solar capacity at two public schools and multiple community college campuses in Crow Wing and Todd Counties. It will include roof and ground mount photovoltaic (PV) arrays. Electric storage and EV charging stations that total 144 kW storage capacity will be installed at a minimum of two locations.	\$1,993,659	\$1,993,659
Economic Benefits for Northeast Region								\$18,891,078	\$15,159,973
STATEWIDE									
Bergey Windpower Company	EP4-24	6/30/21	complete	EP	4	Solar	Install 500 kW small wind capacity in the jurisdictions of Benton, Lincoln, Meeker, Murray, Nobles, Pipestone, and Stearns counties by constructing 50 distributed 10 kW microturbines.	\$1,106,600	\$155,000
Minnesota State Colleges & Universities	HE4-1	5/31/20	complete	HE	4	All	Created a research program to stimulate the development of renewable electric energy technologies within Minnesota.	\$5,500,000	\$5,500,000
MN DNR	EP3 - 13	3/12/13	complete	EP	3	Solar	Installed 114 kW of solar photovoltaic generation at various state parks and developed a renewable energy strategy for future DNR facilities.	\$894,000	\$878,966
Economic Benefits for Statewide Projects								\$7,500,600	\$6,533,966
SOUTHEAST REGION									
Coaltec Energy USA	RD3 - 77	4/22/18	complete	RD	3	Biomass	Demonstrated the feasibility of biomass gasification on a commercial turkey farm to generate electricity and heat.	\$1,000,000	\$850,000
Dragonfly Solar	EP4-29	5/8/18	complete	EP	4	Solar	Install a fixed-tilt 997.5 kW solar array within the footprint of several existing wind farms.	\$1,650,000	\$1,650,000
City of Red Wing	RD4-8	8/6/22	complete	RD	4	Biomass	Research will provide operational and performance data to improve the cost effectiveness and reduce potential environmental contaminants in the processing of refuse derived fuels.	\$1,999,500	\$1,999,500

Diamond K	EP-51	5/18/14	complete	EP	2	Biomass	Installed a 300 kW of biomass generated and anaerobic digester at the Diamond K Dairy in Winona County, Minnesota.	\$936,530	\$936,530
AnAerobics, Inc	AB-07	6/3/03	complete	EP	1	Biomass	Was to install a 1.7 MW genset and study removal of hydrogen sulfide created during anaerobic digestion but had site control issues.	\$1,300,000	\$1,100,000
Economic Benefits for Southeast Region								\$6,886,030	\$6,536,030
SOUTHWEST REGION									
Best Power Int'l (School Sisters)	EP4-5	10/28/15	complete	EP	4	Solar	Installed a 849 kW solar facility at the Mankato campus of the Central Pacific Province of the School Sisters of Notre Dame.	\$900,000	\$900,000
Outland Renewable Energy	EP3-10	4/1/13	complete	EP	3	Solar	Installed 2 MW photovoltaic facility near Slayton, MN to demonstrate the benefits of utility scale use of photovoltaics in Minnesota.	\$2,000,000	\$2,000,000
Xcel Energy	RD3-12	12/19/11	complete	RD	3	Wind	Installed a 1.0 MW sodium sulfur battery adjacent a wind farm to validate the value of energy storage for greater wind energy penetration.	\$1,000,000	\$1,000,000
Hilltop	EP-26	3/2/09	complete	EP	2	Wind	Installed a 1.5 MW General Electric wind turbine in Lyon County with 100 percent of the electricity sold to Xcel Energy.	\$1,200,000	\$1,200,000
St. Olaf	EP-39	4/30/07	complete	EP	2	Wind	Installed a 1.65 MW Micon wind turbine on campus.	\$1,500,000	\$1,500,000
Rural Advantage	RD-27	4/12/09	complete	RD	2	Biomass	Demonstrated the commercial production of Miscanthus as a biomass fuel for electric generation.	\$318,800	\$318,800
Ag. Utilization Research Institute	RD-69	9/8/08	complete	RD	2	Biomass	Conducted a feasibility study to couple bio-diesel and wind generation systems to "firm" wind power.	\$760,000	\$760,000
Project Resource Corp	AW-03	5/31/06	complete	EP	1	Wind	Installed 5.4 MW of wind energy with a new landowner investment model that limits development risk of community shareholders.	\$900,000	\$900,000
Pipestone Jasper School	AW-10	12/31/04	complete	EP	1	Wind	Installed a 900 kW wind turbine adjacent to the Pipestone-Jasper Public High School.	\$752,835	\$752,835
Economic Benefits for Southwest Region								\$9,331,635	\$9,331,635
METRO REGION									
Crown Hydro	AH-01	9/1/18	Terminated	EP	1	Hydro	Install 3.2 MW of hydroelectric capacity on the Mississippi River in downtown Minneapolis.	\$5,100,000	\$1,538,591
Innovative Power Systems	EP4-11	4/12/18	complete	EP	4	Solar	Install 967 kW of solar capacity at four sites within the Innovative Energy Corridor.	\$1,850,000	\$1,850,000
Metropolitan Airports Commission	EP4-13	6/10/16	complete	EP	4	Solar	Installed a 1.471 MW fixed-tilt solar facility on the Blue parking ramp at Terminal One of MPS airport.	\$2,022,507	\$2,022,507
Minnesota Renewable Energy Society	EP4-15	11/30/22	current	EP	4	Solar	Install both a rural and urban solar garden totaling 1.0 MW of photovoltaic capacity to observe differences in subscriber interest.	\$2,454,125	\$1,221,780
Target Corporation	EP4-20	10/1/17	complete	EP	4	Solar	Install a 350 kW roof-mounted, fixed-tilt photovoltaic facility on the Target Superstore.	\$583,513	\$583,513
Minneapolis Park & Rec. Board	EP4-22	7/15/18	complete	EP	4	Solar	Install 200 kW of PV capacity at seven locations within the Minneapolis park system to demonstrate the effectiveness of alternative solar designs.	\$969,741	\$969,741
City of St. Paul	EP4-34	10/27/17	complete	EP	4	Solar	Install a 105 kW fixed-tilt photovoltaic facility at CHS Field.	\$555,750	\$555,750
Universisty of Minnesota (Gasification)	RD4-1	12/31/21	complete	RD	4	Biomass	Development and fabrication of a gasification method based on microwave heating for distributed generation of electricity from biomass and at the site of biomass generation.	\$999,999	\$758,690
Universisty of Minnesota (Noise)	RD4-12	11/5/19	complete	RD	4	Wind	Research the sources and quality of wind turbine sound and the thresholds of potential health impacts on humans.	\$625,102	\$625,102
University of Minnesota (VWS)	RD4-13	6/2/20	complete	RD	4	Wind	Augment the predictive capabilities of the Virtual Wind Simulator by adding an aeroelastic model and integrating advanced turbine control algorithms.	\$1,391,684	\$1,201,889
Barr Engineering	RD4-14	3/4/19	complete	RD	4	Wind	Develop portable sensors to assess the health and life expectancy of wind turbine towers and foundations.	\$161,081	\$147,309
University of St. Thomas	HE4-2	12/12/19	complete	RD	4	Solar/Wind	Install a 0.25 MW peak, multi-purpose microgrid in Chisago City to establish an Engineering Senior Design Clinic for microgrid research and testing.	\$2,157,215	\$2,157,215
University of Minnesota (REMF)	HE4-3	2/20/20	complete	RD	4	All	Create Renewable Electricity for Minnesota's Future ("REMF") which will fund and support research in renewable electric energy generation.	\$3,000,000	\$3,000,000
Oak Leaf Energy	EP4-48	10/26/16	complete	EP	4	Solar	Installed a 1,000 kW fixed-tilt photovoltaic facility at the Blue Lake Wastewater Treatment Plant.	\$2,000,000	\$2,000,000
Merrick	EP3-2	12/22/08	complete	EP	3	Solar	Installed a roof-mounted 100 kW solar photovoltaic facility on a non-profit adult day training and habilitation center.	\$735,000	\$735,000
City of Minneapolis	EP3-11	1/15/13	complete	EP	3	Solar	Installed a 600 kW photovoltaic facility on the Minneapolis Convention Center.	\$2,000,000	\$2,000,000
freEner-g	EP3- 12	2/17/11	complete	EP	3	Solar	Installed 280 kW photovoltaic capacity through a leasing and service package for residential and small businesses.	\$1,488,922	\$1,488,922

Project Name	Contract	Project End Date	Status	Type	Cycle	Resource	Project Description	RDF Award	Grant Funds Disbursed
Aurora St. Anthony Limited , LLC	EP4-42	8/30/19	complete	EP	4	Solar	Development of a high-density solar energy system as part of redevelopment of Old Home Milk Dairy property. Aurora and primary project partner (St. Paul Housing Group) are proposing to construct and operate a roof-mounted solar energy project totaling 252 kilowatts using tenK solar 410 watt panels.	\$239,994	\$239,994
								Funding	
								RDF Award	Grant Funds Disbursed
University of Minnesota (Koda)	RD3-1	1/22/15	complete	RD	3	Biomass	Development of a production, pre-processing and delivery system for biomass feedstock's from prairie and grasslands.	\$992,989	\$976,743
SarTec Corporation	RD3-2	7/11/11	complete	RD	3	Biofuel	Researched the growth of algae fed on CO2 from flue gas and extracted the algae oils for conversion into a marketable biodiesel product.	\$350,000	\$350,000
Bepex International	RD3-4	7/28/11	complete	RD	3	Biomass	Demonstrated torrefaction and densification as processes to reduce transportation and storage costs associated with biomass feedstock.	\$924,671	\$924,671
University of Minnesota (Nanocrystals)	RD3- 25	12/26/11	complete	RD	3	Solar	Developed techniques for controlling microstructures of hydrogenated silicon and improving the grain size of microcrystalline silicon PV films.	\$732,032	\$732,032
University of Minnesota (Cropping)	RD3-28	9/22/13	complete	RD	3	Biomass	Developed guidelines for accurate management of biomass removal and maintenance of soil quality.	\$979,082	\$979,048
University of Minnesota (Wind)	RD3-42	8/7/13	complete	RD	3	Wind	Developed and tested a Virtual Wind Simulator to provide accurate wind turbulence predictions.	\$999,999	\$999,598
Lower St. Anthony Falls	EP-34	1/31/12	complete	EP	2	Hydro	Restored 9.176 MW hydroelectric generating capacity at the Lower St. Anthony Falls by using run-of-river technology.	\$2,000,000	\$2,000,000
University of Minnesota	RD-29	9/24/08	complete	RD	2	Biomass	Researched operation of turbo-generators using biomass-derived oils.	\$299,284	\$299,284
University of Minnesota	RD-56	4/16/08	complete	RD	2	Biomass	Developed model to evaluate options to optimize combustion and electricity generation in ethanol plants.	\$858,363	\$803,246
Windlogics	RD-57	11/11/08	complete	RD	2	Wind	Defined, designed, built and demonstrated a complete wind power forecasting system.	\$997,000	\$997,000
Center for Energy Environment	RD-94	10/12/07	complete	RD	2	Biomass	Developed two web-based programs for planning and development of biomass resources in Minnesota.	\$397,500	\$397,500
MN Dept. of Commerce	AS-05	9/1/08	complete	EP	1	Solar	Provided rebates of up to \$8,000 for small photovoltaic installations that are wired into the electrical grid.	\$1,150,000	\$1,150,000
Science Museum	AS-06	12/31/03	complete	EP	1	Solar	Installed a 9 kW solar roof to demonstrate a Zero Energy Building for the Minnesota Science Museum.	\$100,000	\$100,000
Sebesta Blomberg	BB-03	9/30/03	complete	RD	1	Biomass	Examined the feasibility of a gasification system using the byproducts of an ethanol facility to provide heat and power.	\$738,654	\$738,654
Energy Performance Systems	BB-06	12/15/02	complete	RD	1	Biomass	Conversion design of the NSP Granite Falls coal-fired facility to a biomass system capable of utilizing whole trees.	\$266,508	\$257,247
University of Minnesota	CW-06	12/31/06	complete	RD	1	Wind	Designed a flywheel battery system to enhance the ability to dispatch wind energy with inertial storage.	\$654,309	\$654,309
Economic Benefits for Metro Region								\$40,775,024	\$35,455,335
OUT OF STATE									
InterPhases Solar	RD4-7	2/28/21	complete	RD	4	Solar	Development commerical production process of a thin-film technology by combining all the electrodeposition processes into a single manufacturing process.	\$1,000,000	\$1,000,000
Northern Plains Power Tech.	RD3-21	11/11/12	complete	RD	3	Solar	Developed a loss-of-mains detection based on harmonic signature and synchrophasor data.	\$493,608	\$493,608
InterPhases Solar	RD3-53	7/20/12	complete	RD	3	Solar	Demonstrated a manufacturing process to produce lightweight, thin-film solar cells.	\$1,000,000	\$1,000,000
University of North Dakota	RD3-71	3/23/12	complete	RD	3	Biomass	Demonstrated a thermally integrated biomass gasification systems with a 30 kW low-Btu gas turbine.	\$999,728	\$999,438
Energy Conversion Devices	RD-22	10/12/07	complete	RD	2	Biomass	Researched processes to reform bio-ethanol and bio-methanol into hydrogen for use in a fuel cell or gas turbine to generate electricity.	\$900,000	\$900,000
Coaltec	RD-26	1/12/07	complete	RD	2	Biomass	Studied handling, performance and emissions to assess feasibility of poultry waste as a sustainable feedstock for a fixed-bed gasifier.	\$450,000	\$450,000
Production Specialties	RD-72	11/16/09	complete	RD	2	Biomass	Investigated a technology to selectively remove hydrogen sulfide (H2S) from biogas without generating a waste stream.	\$228,735	\$228,735
Interphases Solar	RD-78	10/14/08	complete	RD	2	Solar	Developed a concept to manufacture flexible photovoltaic modules in a continuous roll-to-roll electro-deposition process.	\$1,000,000	\$1,000,000
Global Energy Concepts	RD-87	5/7/09	complete	RD	2	Wind	Analyzed and developed advanced methods for reducing uncertainty in wind power estimates.	\$370,000	\$370,000
NREL - Inkjet Solar Cells	RD-93	11/11/08	complete	RD	2	Solar	Designed and developed a thin-film solar cell that will use a direct-write inkjet printing process.	\$1,000,000	\$949,005
NREL-Low Band Gap-Solar	RD-107	12/9/08	complete	RD	2	Solar	Overcome limitations in organic-based solar cells by developing low band gap (red light absorbing) materials.	\$1,000,000	\$944,452

Iowa State University	RD-110	7/12/07	complete	RD	2	Biomass	Performance testing of a particulate filtration clean-up system for the producer gas from a biomass gasifier.	\$405,000	\$98,343
University of ND - Cofiring	BB-09	3/31/05	complete	RD	1	Biomass	Measured operational and component impacts of co-firing biomass with coal in an indirect fired combined-cycle pulverized-coal furnace.	\$444,478	\$444,443
Community Power Corp.	BB-10	3/24/05	complete	RD	1	Biomass	Designed, developed, and tested a centrifugal filter capable of removing sub micron particles and aerosols from a hot producer bio-gas stream.	\$638,635	\$548,692
University of ND - SCR Performance	BB-12	6/30/06	complete	RD	1	Biomass	Examined the rates and mechanisms of catalyst deactivation within the emissions from a biomass co-fired utility boiler.	\$60,000	\$59,973
Colorado School of Mines	CB-07	12/31/07	complete	RD	1	Biomass	Developed a fuel cell prototype for use in ambient or high temperatures.	\$1,116,742	\$1,116,742
University of ND - SOFC	CB-08	10/31/07	complete	RD	1	Biomass	Incorporated solid oxide fuel cells (SOFCs) and gasification into one integrated system to produce electricity.	\$1,250,142	\$1,250,142
NREL	CS-05	7/9/07	complete	RD	1	Solar	Design and develop of solutions and techniques to use an inkjet printing process for the manufacturing of thin-film solar cells.	\$934,628	\$924,757
Global Energy Concepts	CW-02	10/1/03	complete	RD	1	Wind	Translated the effects of a turbine's rotating flexible blades into a linear model for use in wind turbine design software.	\$75,000	\$73,239
University of Florida	RD4-5	12/31/21	complete	RD	4	Biomass	3 year research project to demonstrate biogasification of organic wastes. Mobile, self contained flexible design, pilot scale digester will be constructed and operated at two sites in western MN.	\$1,109,538	\$978,552
Economic Benefits for Out of State Area								\$14,476,234	\$12,851,569

CERTIFICATE OF SERVICE

I, Joshua DePauw, 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 NO. **E002/M-00-1583**
 E002/M-03-1883
 E002/M-07-675
 E002/M-12-1278

Dated this 14th day of February 2025

/s/

Joshua DePauw
Regulatory Administrator

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
1	Steven J.	Almos	salmos.wn@bsm.com	Bay State Milling Company		55 Franklin Street Winona MN, 55987 United States	Paper Service		No	0-15831
2	Janet	Anderson	jcainstp@icloud.com	-		1799 Sargent St. Paul MN, 55105 United States	Electronic Service		No	0-15831
3	John	Bailey	bailey@ilsr.org	Institute For Local Self-Reliance		1313 5th St SE Ste 303 Minneapolis MN, 55414 United States	Electronic Service		No	0-15831
4	Barb	Bischoff	barb.bischoff@nngco.com	Northern Natural Gas Co.		CORP HQ, 714 1111 So. 103rd Street Omaha NE, 68124-1000 United States	Electronic Service		No	0-15831
5	Edna C	Brazaitis	ednab@mac.com	Friends of the Riverfront		PO Box 580545 Minneapolis MN, 55458-0545 United States	Electronic Service		No	0-15831
6	Generic	Commerce Attorneys	commerce.attorneys@ag.state.mn.us		Office of the Attorney General - Department of Commerce	445 Minnesota Street Suite 1400 St. Paul MN, 55101 United States	Electronic Service		Yes	0-15831
7	George	Crocker	gwillc@nawo.org	North American Water Office		5093 Keats Avenue Lake Elmo MN, 55042 United States	Electronic Service		No	0-15831
8	Lisa	Daniels	lisadaniels@windustry.org	Windustry		201 Ridgewood Ave Minneapolis MN, 55403 United States	Electronic Service		No	0-15831
9	Executive	Director		Onanegozie RC&D		42290 Ginger Ave. Harris MN, 55032-3361 United States	Paper Service		No	0-15831
10	John R.	Dunlop, P.E.	jdunlop@resminn.com	Renewable Energy Services		Suite 300 448 Morgan Ave. S. Minneapolis MN, 55405-2030 United States	Electronic Service		No	0-15831
11	Sharon	Ferguson	sharon.ferguson@state.mn.us		Department of Commerce	85 7th Place E Ste 280 Saint Paul MN, 55101-2198 United States	Electronic Service		Yes	0-15831
12	Doug	Fredrickson				400 County Road 50 Avon MN, 56310 United States	Paper Service		No	0-15831
13	Gary	Gillet		University Of Minnesota		Suite 450 200 Oak Street SE Minneapolis MN, 55455-2070 United States	Paper Service		No	0-15831

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
14	Andy	Herring		Colorado School Of Mines		1500 Illinois Street Golden CO, 80401 United States	Paper Service		No	0-15831
15	KDV c/o Mary	Hoffman	mhoffman@kdv.com	Crown Hydro LLC		3800 American Blvd W Suite 1000 Bloomington MN, 55431-4420 United States	Electronic Service		No	0-15831
16	Jerry	Horgan		Pipestone-Jasper Public Sch Dist #2689		1401 Seventh Street SW Pipestone MN, 56164-1877 United States	Paper Service		No	0-15831
17	Cindy	Jepsen	ccjepsen@capitolresourcemn.com	Capitol Resources		Box 254 Marine On St. Croix MN, 55047 United States	Electronic Service		No	0-15831
18	John	Johnson		Stewart Energy Products		22739 Highway 212 E. P.O. Box 219 Stewart MN, 55385 United States	Paper Service		No	0-15831
19	Richard	Mattocks		Environomics		2517 Rte. 44, 11-221 Salt Point NY, 12578 United States	Paper Service		No	0-15831
20	Clark	McDonald				504 - 20Th Street North Benson MN, 56215 United States	Paper Service		No	0-15831
21	David	Planting		Archer Daniels Midland		400 West Erie Rd. Marshall MN, 56258 United States	Paper Service		No	0-15831
22	Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	1400 BRM Tower 445 Minnesota St St. Paul MN, 55101-2131 United States	Electronic Service		Yes	0-15831
23	Christine	Schwartz	regulatory.records@xcelenergy.com	Xcel Energy		414 Nicollet Mall FL 7 Minneapolis MN, 55401-1993 United States	Electronic Service		No	0-15831
24	Dean	Sedgwick	sedgwick@itascapower.com	Itasca Power Company		PO Box 455 Spring Lake MN, 56680 United States	Electronic Service		No	0-15831
25	Will	Seuffert	will.seuffert@state.mn.us		Public Utilities Commission	121 7th PI E Ste 350 Saint Paul MN, 55101 United States	Electronic Service		Yes	0-15831
26	Scott	Vreeland		Seward Neighborhood Group		2437 - 33Rd Avenue South Minneapolis MN, 55406 United States	Paper Service		No	0-15831

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
27	Heather	Westra	heather.westra@piic.org	Prairie Island Indian Community		5636 Sturgeon Lake Rd Welch MN, 55089 United States	Electronic Service		No	0-15831
28	Paul	White	paul.white@prcwind.com	Project Resources Corp./Tamarac Line LLC/Ridgewind		618 2nd Ave SE Minneapolis MN, 55414 United States	Electronic Service		No	0-15831
29	Robyn	Woeste	robynwoeste@alliantenergy.com	Interstate Power and Light Company		200 First St SE Cedar Rapids IA, 52401 United States	Electronic Service		No	0-15831

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1	Steven J.	Almos	salmos.wn@bsm.com	Bay State Milling Company		55 Franklin Street Winona MN, 55987 United States	Paper Service		No	03-18831
2	James J.	Bertrand	james.bertrand@stinson.com	STINSON LLP		50 S 6th St Ste 2600 Minneapolis MN, 55402 United States	Electronic Service		No	03-18831
3	Generic	Commerce Attorneys	commerce.attorneys@ag.state.mn.us		Office of the Attorney General - Department of Commerce	445 Minnesota Street Suite 1400 St. Paul MN, 55101 United States	Electronic Service		Yes	03-18831
4	John R.	Dunlop, P.E.	jdunlop@resminn.com	Renewable Energy Services		Suite 300 448 Morgan Ave. S. Minneapolis MN, 55405-2030 United States	Electronic Service		No	03-18831
5	Sharon	Ferguson	sharon.ferguson@state.mn.us		Department of Commerce	85 7th Place E Ste 280 Saint Paul MN, 55101-2198 United States	Electronic Service		Yes	03-18831
6	Gary	Gillet		University Of Minnesota		Suite 450 200 Oak Street SE Minneapolis MN, 55455-2070 United States	Paper Service		No	03-18831
7	Cindy	Jepsen	ccjepsen@capitolresource.mn.com	Capitol Resources		Box 254 Marine On St. Croix MN, 55047 United States	Electronic Service		No	03-18831
8	John	Johnson		Stewart Energy Products		22739 Highway 212 E. P.O. Box 219 Stewart MN, 55385 United States	Paper Service		No	03-18831
9	Renee	Landwehr		Clean Power Markets, Inc.		303 Monroe St Little Chute WI, 54140-1722 United States	Paper Service		No	03-18831
10	Patrick	Mulloy		Mulloy Environmental Services, Inc.		3636 Garfield Ave. S. Minneapolis MN, 55409 United States	Paper Service		No	03-18831
11	Rolf	Nordstrom	rnordstrom@gpisd.net	Great Plains Institute		2801 21ST AVE S STE 220 Minneapolis MN, 55407-1229 United States	Electronic Service		No	03-18831
12	Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	1400 BRM Tower 445 Minnesota St St. Paul MN, 55101-2131 United States	Electronic Service		Yes	03-18831
13	Keith A.	Schimmel	cengr@bci.net	Technology Matrix Corporation		P.O. Box 11236 Syracuse NY, 13218 United States	Paper Service		No	03-18831

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14	Christine	Schwartz	regulatory.records@xcelenergy.com	Xcel Energy		414 Nicollet Mall FL 7 Minneapolis MN, 55401-1993 United States	Electronic Service		No	03-18831
15	Dean	Sedgwick	sedgwick@itascapower.com	Itasca Power Company		PO Box 455 Spring Lake MN, 56680 United States	Electronic Service		No	03-18831
16	Will	Seuffert	will.seuffert@state.mn.us		Public Utilities Commission	121 7th PI E Ste 350 Saint Paul MN, 55101 United States	Electronic Service		Yes	03-18831
17	Byron E.	Starns	byron.starns@stinson.com	STINSON LLP		50 S 6th St Ste 2600 Minneapolis MN, 55402 United States	Electronic Service		No	03-18831
18	Heather	Westra	heather.westra@pic.org	Prairie Island Indian Community		5636 Sturgeon Lake Rd Welch MN, 55089 United States	Electronic Service		No	03-18831

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1	Steven J.	Almos	salmos.wn@bsm.com	Bay State Milling Company		55 Franklin Street Winona MN, 55987 United States	Paper Service		No	7-6751
2	James J.	Bertrand	james.bertrand@stinson.com	STINSON LLP		50 S 6th St Ste 2600 Minneapolis MN, 55402 United States	Electronic Service		No	7-6751
3	Generic	Commerce Attorneys	commerce.attorneys@ag.state.mn.us		Office of the Attorney General - Department of Commerce	445 Minnesota Street Suite 1400 St. Paul MN, 55101 United States	Electronic Service		Yes	7-6751
4	John R.	Dunlop, P.E.	jdunlop@resminn.com	Renewable Energy Services		Suite 300 448 Morgan Ave. S. Minneapolis MN, 55405-2030 United States	Electronic Service		No	7-6751
5	Sharon	Ferguson	sharon.ferguson@state.mn.us		Department of Commerce	85 7th Place E Ste 280 Saint Paul MN, 55101-2198 United States	Electronic Service		Yes	7-6751
6	Gary	Gillet		University Of Minnesota		Suite 450 200 Oak Street SE Minneapolis MN, 55455-2070 United States	Paper Service		No	7-6751
7	Cindy	Jepsen	ccjepsen@capitolresource.mn.com	Capitol Resources		Box 254 Marine On St. Croix MN, 55047 United States	Electronic Service		No	7-6751
8	John	Johnson		Stewart Energy Products		22739 Highway 212 E. P.O. Box 219 Stewart MN, 55385 United States	Paper Service		No	7-6751
9	Timothy M.	Kelley	timothy.kelley@stinson.com	STINSON LLP		50 S 6th St Ste 2600 Minneapolis MN, 55402 United States	Electronic Service		No	7-6751
10	Renee	Landwehr		Clean Power Markets, Inc.		303 Monroe St Little Chute WI, 54140-1722 United States	Paper Service		No	7-6751
11	Patrick	Mulloy		Mulloy Environmental Services, Inc.		3636 Garfield Ave. S. Minneapolis MN, 55409 United States	Paper Service		No	7-6751
12	Rolf	Nordstrom	rnordstrom@gpisd.net	Great Plains Institute		2801 21ST AVE S STE 220 Minneapolis MN, 55407-1229 United States	Electronic Service		No	7-6751
13	Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	1400 BRM Tower 445 Minnesota St St. Paul MN, 55101-2131 United States	Electronic Service		Yes	7-6751

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
14	Keith A.	Schimmel	cengr@bci.net	Technology Matrix Corporation		P.O. Box 11236 Syracuse NY, 13218 United States	Paper Service		No	7-6751
15	Christine	Schwartz	regulatory.records@xcelenergy.com	Xcel Energy		414 Nicollet Mall FL 7 Minneapolis MN, 55401- 1993 United States	Electronic Service		No	7-6751
16	Dean	Sedgwick	sedgwick@itascapower.com	Itasca Power Company		PO Box 455 Spring Lake MN, 56680 United States	Electronic Service		No	7-6751
17	Will	Seuffert	will.seuffert@state.mn.us		Public Utilities Commission	121 7th PI E Ste 350 Saint Paul MN, 55101 United States	Electronic Service		Yes	7-6751
18	Byron E.	Starns	byron.starns@stinson.com	STINSON LLP		50 S 6th St Ste 2600 Minneapolis MN, 55402 United States	Electronic Service		No	7-6751
19	Heather	Westra	heather.westra@pic.org	Prairie Island Indian Community		5636 Sturgeon Lake Rd Welch MN, 55089 United States	Electronic Service		No	7-6751

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
1	Mara	Ascheman	mara.k.ascheman@xcelenergy.com	Xcel Energy		414 Nicollet Mall Fl 5 Minneapolis MN, 55401 United States	Electronic Service		No	12-1278Official
2	Generic	Commerce Attorneys	commerce.attorneys@ag.state.mn.us		Office of the Attorney General - Department of Commerce	445 Minnesota Street Suite 1400 St. Paul MN, 55101 United States	Electronic Service		Yes	12-1278Official
3	Sharon	Ferguson	sharon.ferguson@state.mn.us		Department of Commerce	85 7th Place E Ste 280 Saint Paul MN, 55101-2198 United States	Electronic Service		No	12-1278Official
4	Cheryal Lee	Hills	chills@regionfive.org	Region Five Development Commission		200 First Street NE Suite 2 Staples MN, 56479 United States	Electronic Service		No	12-1278Official
5	Lisa	Hondros	lhondros@gmail.com			171 East Island Ave Minneapolis MN, 55401 United States	Electronic Service		No	12-1278Official
6	Kevin	McKoskey	awards@umn.edu	Regents of the University of MN		450 McNamara 200 Oak Street SE Minneapolis MN, 55455 United States	Electronic Service		No	12-1278Official
7	Thomas	Melone	thomas.melone@allcous.com	Minnesota Go Solar LLC		222 South 9th Street Suite 1600 Minneapolis MN, 55120 United States	Electronic Service		No	12-1278Official
8	Robert	Messerich	b.messerich@gmail.com	Dragonfly Solar, LLC		10583 202nd St West Lakeville MN, 55044 United States	Electronic Service		No	12-1278Official
9	Alan	Muller	alan@greendel.org	Energy & Environmental Consulting		1110 West Avenue Red Wing MN, 55066 United States	Electronic Service		No	12-1278Official
10	Jeffrey C	Paulson	jeff.jcplaw@comcast.net	Paulson Law Office, Ltd.		4445 W 77th Street Suite 224 Edina MN, 55435 United States	Electronic Service		No	12-1278Official
11	Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us		Office of the Attorney General - Residential Utilities Division	1400 BRM Tower 445 Minnesota St St. Paul MN, 55101-2131 United States	Electronic Service		Yes	12-1278Official
12	Christine	Schwartz	regulatory.records@xcelenergy.com	Xcel Energy		414 Nicollet Mall FL 7 Minneapolis MN, 55401-1993 United States	Electronic Service		No	12-1278Official
13	Will	Seuffert	will.seuffert@state.mn.us		Public Utilities Commission	121 7th Pl E Ste 350 Saint Paul	Electronic Service		Yes	12-1278Official

#	First Name	Last Name	Email	Organization	Agency	Address	Delivery Method	Alternate Delivery Method	View Trade Secret	Service List Name
						MN, 55101 United States				
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