414 Nicollet Mall
Minneapolis, MN 55401

June 1, 2022

—VIA ELECTRONIC FILING—
PUBLIC DOCUMENT
NOT PUBLIC INFORMATION EXCISED

Mr. Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, Minnesota 55101-2147

RE: RENEWABLE ENERGY OBLIGATION (REO)-RENEWABLE ENERGY STANDARD (RES) AND SOLAR ENERGY STANDARDS (SES) COMPLIANCE REPORT

COMMISSION CONSIDERATION AND DETERMINATION ON COMPLIANCE WITH RENEWABLE ENERGY STANDARDS
DOCKET NO. E999/M-22-85

RENEWABLE ENERGY CERTIFICATE RETIREMENT AND SOLAR ENERGY STANDARDS REPORTING FOR COMPLIANCE YEAR 2021
DOCKET NO. E999/PR-22-12

GREEN PRICING VERIFICATION FILING PROCESS
DOCKET NO. E999/PR-02-1240

Dear Mr. Seuffert:

Northern States Power Company, doing business as Xcel Energy, submits the attached compliance report to fulfill the verification and filing requirements for the Renewable Energy Standards (RES), Renewable Energy Credit (REC) retirement, and Green Pricing REC retirement required by Minn. Stat. § 216B.1691, Subd. 3. The Company also submits the 2021 Annual Report as required by the Minnesota Public Utilities Commission in an Order dated January 29, 2021 in Docket Nos. E-999/M-20-464 and E-999/M-13-542, Solar Energy Standards (SES).

We have provided the required information in the attached Excel spreadsheet templates. Attachment A contains RES, Green Pricing, and SES Retail Sales; RES,

Green Pricing, and SES REC Retirements; Biennial Compliance Requirements; and REC Purchases and Sales.

REC Retirement

By May 1, 2022, the Company retired approximately 8.6 million RECs, representing 30 percent of annual retail sales for calendar year 2021, using the Midwest Renewable Energy Tracking System (M-RETS). The Company is therefore in compliance with the Minnesota RES requirements identified in Minn. Stat. § 216B.1691 subd. 2(a) and the Commission's March 19, 2010 Order in Docket No. E999/CI-03-869.

In addition, by May 1, 2022, the Company retired approximately 618,000 RECs for our Green Pricing Programs. Approximately 441,000 RECs were retired for the Windsource Program, approximately 167,000 RECs were retired for Renewable*Connect, and approximately 10,000 RECs were retired for the Renewable*Connect Government Program. Details of the Company's Green Pricing Program REC retirements are included in Attachment A.3.

The required information specified in the Commission's April 17, 2014 NOTICE and the May 28, 2013 ORDER FINDING UTILITIES IN COMPLIANCE WITH MINN. STAT. § 216B.1691 AND MODIFYING BIENNIAL REPORTING PROCEDURES in Docket No. E999/M-12-958, including the RES calculations, the RECs retired and the names of the M-RETS retirement sub-accounts, is provided in Attachment A.

As noted in Attachment A.7, the Company purchased 227,740 RECs for our Windsource program.

Biennial REO-RES Compliance

Attachment A.6 to this report provides the Company's forecasted retail sales data for 2022-2025, projected generation data for this reporting period, other state RES or Objectives to which the utility is subject, actions taken to address the RES requirements, and a discussion of potential obstacles to meeting our requirements and solutions to the same.

Certified Renewable Percentage

The Company began offering the Certified Renewable Percentage (CRP) to our customers in 2019 for calendar year 2018.

Each year, the Company calculates the CRP for the preceding year, after all program participation, REC sales, REC retirements for the RES, trade margin sales, and all other data points that affect the CRP are available. After the annual CRP is calculated, the Company then retires the additional RECs to match the amount of renewable energy delivered to customers.

The 2021 CRP is calculated at 34.3 percent. The increase over the previous year is due largely to additional wind resources brought online in 2021. We estimate that the CRP will continue to increase each year as new renewable resources continue to come online. The 2021 CRP is higher than the RES obligation and therefore the Company plans to retire additional RECs for the 2021 CRP beyond what is required for the RES.

Below is an overview of the MN CRP from 2018 to 2021. The 2019 and 2020 CRPs are currently in the process of third-party verification and the Company plans to verify the 2021 CRP in Summer 2022. The 2019, 2020, and 2021 CRPs are subject to change as an outcome of the verification process.

Year	CRP Percent
2018	26.6
2019	23.3
2020	31.8
2021	34.3

Renewable*Connect Government Program

The security and privacy of customer data, including energy usage data, is a key concern for the Company. As a matter of course, the Company generally does not publicly disclose energy usage data related to an individual customer.

In previous years of the REO/RES REC filing, the customer participating in the Renewable*Connect Government Program has requested certain information related to its energy usage be considered Non-Public, but the Department of Commerce has requested the information be submitted publicly. In advance of this year's Compliance filing, the Company reached out to this customer asking if the information that it normally considers Non-Public could be submitted publicly for this year's 2021 REO/RES REC filing. The customer consented to the Company submitting the information as Public information. Notwithstanding this one-time

consent, the Company reserves the right to submit similar information as Non-Public in the future.

Summary of ongoing efforts to obtain solar energy, including a brief summary of the anticipated mix of project sizes for SES compliance.

For purposes of this Section, Solar Energy Standard (SES) compliance means the requirement set forth in Minn. Stat. § 216B.1691, Subd. 2f, whereby Xcel Energy, by the end of 2020, needs to generate or procure sufficient electricity generated by solar energy so that at least 1.5 percent of the Company's total retail electric sales in Minnesota is generated by solar energy. The additional requirement in Subd. 2f regarding the 10 percent solar carve-out requirement from systems of 40 kW (AC) or less is addressed below.

The Company has developed a large portfolio of resources and programs to provide renewable options to residential and commercial customers. Since the passage of the SES under the 2013 Energy Omnibus Bill, we have grown our utility portfolio of solar resources to expand access of solar benefits to all customers while achieving compliance in reporting year 2021. The Company expects to accumulate and exceed the amount of solar RECs (SRECs) required to satisfy the MN SES compliance requirements beginning in 2020 and continue well beyond 2034. SRECs accumulated in the REC bank beyond what is needed for compliance requirements, will be applied towards the MN state RPS obligations to avoid any REC expirations.

Progress towards the 10% carve-out for systems 40 kW_{ac} or less, including the method by which the utility will meet the carve-out.

A subset of programs from the section above can be used towards our 10 percent small solar carve out. Table 1 describes these impacts. These are further detailed in this section.

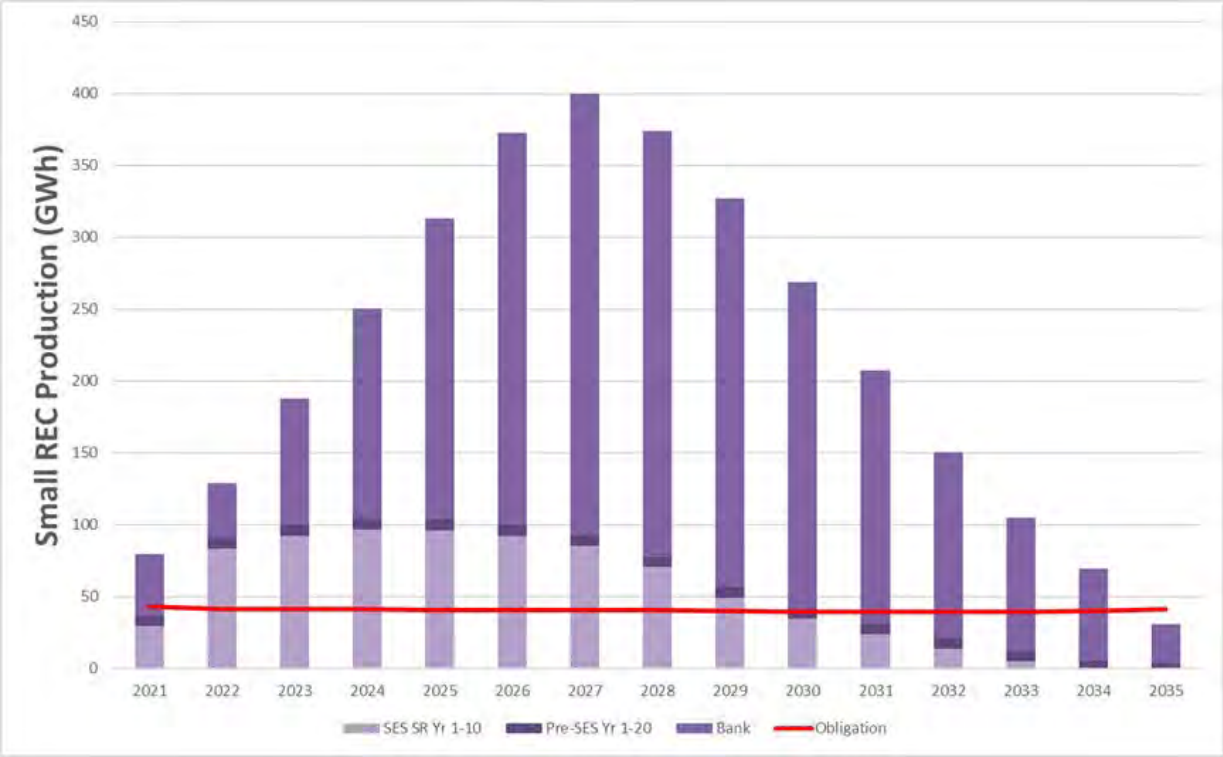
Table 1: Small Solar Carve Out – Programs

Program Name	Size	Years Available
Solar*Rewards (First Generation)	**≤40 kW (DC)***	**2010 – August 2014**
Solar*Rewards (Second Generation)	**≤ 20 kW (DC)* ≤ 40 kW (DC)***	**August 2014 – May 2018 June 2018 – May 2019**
Solar*Rewards (Third Generation)	**≤ 40 kW (AC)**	**June 2019 - 2024**
Solar*Rewards for Schools	**≤ 40 kW (AC) >40 kW – 1 MW**	**May 2022 – June 2027**
Made in Minnesota	**≤40 kW**	**2014 – 2017**

*Energy produced in DC goes through an inverter to get converted to AC. In this process there is energy loss, meaning that DC output results in a lower AC output.

Graph 1 below represents our current projection for REC compliance with the 10 percent small solar carve out. This chart shows the Company may be in compliance with the small solar carve out through 2034. However, this representation uses program assumptions, discussed below, and thus has embedded risk that the actual results could be significantly different than the forecast. The Company cannot predict what the installation rate will be for small rooftop solar.

Graph 1
Small SREC Production with Solar*Rewards
Program Extension through 2024



The chart above assumes 100 percent of Solar*Rewards funds are allocated based on estimated solar system performance and that of these projects, 75 percent of them are completed each year for the Solar*Rewards program through 2024. If actual solar installations are lower than forecasted levels, the Company may not be able to meet the small solar carve-out requirements through 2034 as projected in the chart above.

With the prospect that the Solar*Rewards program may be extended in future years, the Company believes it will have sufficient small-solar RECs to meet our obligations

without a buy-back option. If, at some time, it appears that the Company will not have sufficient RECs to meet its obligations, it may revisit the REC buy-back option.

Also, the above analysis is based on the understanding that the nameplate capacity for purposes of this statute is measured in alternating current (AC). This is consistent with the definition of capacity in Minn. Stat. § 216B.164, Subd. 2a.(c), as well as how capacity is used or interpreted under the following statutes: Minn. Stat. §§ 216B.1611, Subd.2(a), and Subd.3a(a)(1); 216B.1613; 216B.164, and Subd. 4c; 216B.1641 (b).

Discussion on the utilities' efforts to reach, by 2030, the energy goal that ten percent of the retail electric sales in Minnesota be generated by solar energy.

The 10 percent by 2030 goal is an energy goal of the state of Minnesota. We understand this question to be evaluating our current efforts to reach our proportional share of the state's energy goal.

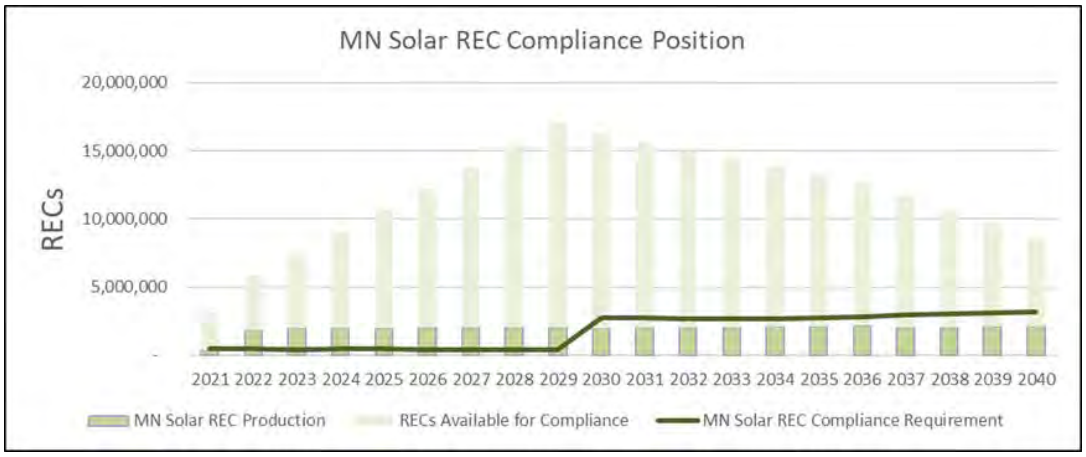
As shown in Graph 2 below, the Company forecasts that existing solar resources alone will not be sufficient to meet the 10 percent by 2030 goal. However, the Company has also proposed to add substantial amounts of solar generation to our portfolio in the coming years in our recently approved 2020-2034 Integrated Resource Plan.[1] In the Commission's Order approving the plan, it authorized the Company to procure approximately 900 MW of solar capacity coming online by the end of 2025, incremental to the proposed 460 MW solar generating facility near the Company's current Sherburne County coal generating facility's site.[2] Our plan also includes additional solar capacity build out, to replace and reuse interconnection made available when Sherco 1 and A.S. King coal units retire in the latter half of the 2020s. This capacity will provide substantial solar generation to our system and would contribute toward meeting the 10 percent SES goal into the future; in fact, by 2030, we expect over 10 percent of our generation to come from solar resources. As always, we will continually review the need for additional solar resources in our future resource plans, in order to achieve the goal long-term.

We note that there is currently significant supply chain uncertainty surrounding a recent decision by the U.S. Department of Commerce to accept an antidumping and countervailing duty trade complaint levied against solar components imported from four southeast Asian countries. In the near term, specific projects may be delayed beyond their originally envisioned timelines. However, at this time, we do not expect

[1] Docket No. E002/RP-19-368.
[2] Docket No. E002/M-20-891.

this investigation to negatively impact our long-term goals to add solar capacity to our system.

Graph 2



Attachment A contains certain portions that have been designated as Trade Secret information pursuant to Minnesota Statute § 13.37, subd. 1(b). In particular, the information designated as Trade Secret relates to specific Purchase Power Agreements (PPAs). The terms of the Commission approved PPAs require that this information be non-public. Other information marked as trade secret relates to specific production from specific customer facilities. Further, this is considered to be "non-public data" pursuant to Minn. Stat. §13.02, Subd.9, and is also "Trade Secret" information pursuant to Minn. Stat. §13.37, subd. 1(b) as it derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. In general, we publicly show the names of the Renewable*Connect resources because they are already publicly disclosed and therefore their identity is public, but their actual production is non-public. The names of the Windsource facilities have similarly already been publicly identified along with their capacities, but the actual production from each is not public. The smaller wind facilities generally are our retail customers and Minnesota regulations prohibit us from disclosing a customer name alone; therefore, we have treated as non-public the customer names along with their M-RETS ID that would otherwise identify them. Where we have biomass plants, because we have fewer than 15, we have treated as nonpublic the name and RECs of each. We note that the number of RECs retired from specific solar gardens is publicly provided because our solar garden tariff at tariff sheet 9-78 specifically authorizes us to make garden generation data public for each. Other REC retirement data for smaller facilities has been aggregated and de-identified.

Pursuant to Minn. Stat. § 216.17, subd. 3, we have electronically filed this document and served copies on all parties on the attached service list. If you have any questions about this information, please contact me at bria.e.shea@xcelenergy.com, or Pamela Gibbs at pamela.k.gibbs@xcelenergy.com or (612) 330-2889.

Sincerely,

/s/

BRIA E. SHEA
REGIONAL VICE PRESIDENT, REGULATORY POLICY

Attachments
c: Service Lists

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Renewable Energy Certificate Retirement Report for
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85 **Attachment 1**
Minnesota Department of Commerce: Docket No. E999/PR-02-1240 Reporting Period: **January 1, 2021 - December 31, 2021**

Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs

Report Year	2021	Date Submitted	June 1, 2022

FILING UTILITY INFORMATION		CONTACT INFORMATION	
Company ID #	85	Contact Name	Pamela Gibbs
Company Name	Xcel Energy	Contact Title	Regulatory Case Specialist
Street Address Line 1	414 Nicollet Mall	Contact Telephone	612-330-2889
Street Address Line 2		Contact E-Mail	pamela.k.gibbs@xcelenergy.com
City	Minneapolis	COMMENTS/NOTES	
State	MN		
Zip Code	55401		

Filing for **RENEWABLE ENERGY STANDARDS** on behalf of:

Utility Name	Utility Name	Utility Name	Utility Name
Northern States Power Company - Minnesota			

Filing for **GREEN PRICING PROGRAMS** on behalf of:

Utility Name	Utility Name	Utility Name	Utility Name
Northern States Power Company - Minnesota			

Filing for **SOLAR ENERGY STANDARD** on behalf of:

Utility Name	Utility Name	Utility Name	Utility Name
Northern States Power Company - Minnesota			

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Renewable Energy Certificate Retirement Report for
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85 **Attachment 2**
Minnesota Department of Commerce: Docket No. E999/PR-02-1240 Reporting Period: **January 1, 2021 - December 31, 2021**

Total Retail Sales to Minnesota Customers and
Renewable Energy Certificates Required to be Retired for RENEWABLE ENERGY STANDARD Compliance

Retail Sales Total	28,810,844
RES Percentage Obligation	30%
RECs Required to be Retired	8,643,254
Actual RECs Retired	8,643,254

Enter current reporting year data.

Utility ID #	Utility	Retail Sales Amount (MWh)	Notes
85	Xcel Energy (NSP-MN)	28,810,844	

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Renewable Energy Certificate Retirement Report for
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85 — **Attachment 3**
Minnesota Department of Commerce: Docket No. E999/PR-02-1240 — Reporting Period: **January 1, 2021 - December 31, 2021**

GREEN PRICING Program Sales

TOTAL **GREEN PRICING** Sales (MWh)	618,333
RECS retired for **GREEN PRICING** programs	0

List the cumulative retail sales of green pricing electricity, including utility-managed community solar, and the number of customers as of December 31, 2021.

Utility ID # (on Worksheet 1)	Utility Name	Program Name	No. of Program Customers	Program Sales (MWh)	Retail Rate ($/kWh)	Notes - Per kWh
85	Xcel Energy (NSP-MN)	Windsource Minnesota	76,439	440,555	$0.0353	Windsource rate per kWh
85	Xcel Energy (NSP-MN)	Renewable * Connect	1,035	11,118	$0.03647	2021 Month-to-Month Rate
85	Xcel Energy (NSP-MN)	Renewable * Connect	1,111	60,508	$0.03345	2021 5-year rate
85	Xcel Energy (NSP-MN)	Renewable * Connect	656	95,847	$0.03295	2021 10-year rate
85	Xcel Energy (NSP-MN)	Renewable * Connect Government	1	10,305	$0.03295	2021 Rate
85	Xcel Energy (NSP-MN)	Community Solar Gardens				No sales because company receives all RECs and subscribers do not get CSG energy

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85
Minnesota Department of Commerce: Docket No. E999/PR-02-1240

Attachment 4
Reporting Period: **January 1, 2021 - December 31, 2021**

SES Retail Sales and
Solar Renewable Energy Certificates Required to be Retired for SOLAR ENERGY STANDARD Compliance

Retail Sales Total (MWh)	28,810,844
SES Excluded Retail Sales (MWh)	130,872
SES Retail Sales Obligation (MWh)	28,679,972
SES Total Percentage Obligation	1.50%
SES Small Scale obligation	0.15%
Non-Small Scale obligation	1.35%
Total SRECs Required to be Retired	430,200
Small SRECs to be retired	43,020
Non-Small Scale to be retired	387,180
Total Actual RECs Retired	430,200
Total actual small SRECs retired	43,020
Total actual non-Small Scale retired	387,180

Additional SES Reporting

Projected SES compliance for the current plus three (3) upcoming years. Include banked RECs.

Year	Actual/Projected MN retail sales (MWh) minus SES exempt sales	SES Total Req (MWh)	SES Small Scale Req (MWh)	SES Non-Small Scale Req (MWh)	Projected Total SRECs (MWh)	Projected SRECs 40 kW or less (MWh)	Projected SRECs greater than 40 kW (MWh)	Projected Total Surplus/ (Deficit) (MWh)	Projected SREC Surplus/(Deficit) 40 kW or less (MWh)	Projected SREC Surplus/(Deficit) greater than 40 kW (MWh)
2021	28,810,844	432,163	43,216	388,946	1,970,703	36,223	1,934,480	1,538,540	(6,993)	1,545,534
2022	28,310,524	424,658	42,466	382,192	2,037,774	98,000	1,939,774	1,613,116	55,534	1,557,582
2023	28,260,253	423,904	42,390	381,513	2,176,430	113,000	2,063,430	1,752,526	70,610	1,681,917
2024	28,296,449	424,447	42,445	382,002	2,199,617	116,000	2,083,617	1,775,171	73,555	1,701,615

Annual solar generation on the utilities' system for the previous calendar year

	Number of Facilities on Utility System	Capacity (MW)	Number registered in M-RETS	Capacity registered in M-RETS	SRECs Generated (2021)
40 kW or less	7,495	82	60	26.11	36,756
Generation from CSGs	881	826	881	826.29	1,419,215
Greater than 40 kW	69	4.05	37	271.31	514,732

Renewable Energy Certificate Retirement Report for
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85 — **Attachment 5**
Minnesota Department of Commerce: Docket No. E999/PR-02-1240 — Reporting Period: **January 1, 2021 - December 31, 2021**

Renewable Energy Certificate Retirements for Renewable Energy Standards and Green Pricing Programs

Renewable Energy Standard REC Retirement Account Name:	NSP-MN RES Retirement-2021 / 4407E181-EFF7
Renewable Energy Standard REC Retirement Account Name:	NSP-MN SES Retirement-2021 / C256DDB6-872A
Green Pricing REC Retirement Account Name:	MN Renewable Connect 2021 / 3FA86168-25E4
Green Pricing REC Retirement Account Name:	NSP-MN Windsource Retirement-2021 / 3896023C-6BC8

	Total RECs or SRECs		8,643,254	0	43,020	387,180	1 REC = 1 MWh
MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for **RENEWABLE ENERGY STANDARD** compliance	RECs retired for **GREEN PRICING** programs	SRECs retired for Small Scale **SOLAR ENERGY STANDARD** compliance	SRECs retired for Non-small scale **SOLAR ENERGY STANDARD** compliance	NOTES
[NOT PUBLIC DATA BEGINS				[NOT PUBLIC DATA BEGINS			
	North Star Solar PV - North Star Solar PV	Solar					MN Renewable*Connect 2021
	Odell Wind Farm - Odell Wind Farm	Wind					MN Renewable*Connect 2021
	North Star Solar PV - North Star Solar PV	Solar					MN Renewable*Connect Government 2021
	Odell Wind Farm - Odell Wind Farm	Wind					MN Renewable*Connect Government 2021
	Black Oak Wind, LLC - BOGWF	Wind					MN Windsource
	Boeve Windfarm - Boeve Windfarm	Wind					MN Windsource
	Border Winds Wind Farm - Border Wind	Wind					MN Windsource
	Buffalo Ridge I - Buffalo Ridge I	Wind					MN Windsource
	Buffalo Ridge II - Buffalo Ridge II	Wind					MN Windsource
	Cisco Wind Energy - Cisco Wind Energy	Wind					MN Windsource
	Courtenay Wind Farm - Courtenay Wind Farm	Wind					MN Windsource
	Elm Creek 2 - Elm Creek 2	Wind					MN Windsource
	JJN Windfarm - JJN Windfarm	Wind					MN Windsource
	K-Brink Wind Farm - K-Brink Wind Farm	Wind					MN Windsource
	McNeilus Group - McNeilus Group	Wind					MN Windsource
	Moraine II - Moraine II	Wind					MN Windsource
	Red Pine Wind Project, LLC	Wind					MN Windsource
	Rugby - Rugby	Wind					MN Windsource
	West Ridge - West Ridge	Wind					MN Windsource
	Windcurrent Farms - Windcurrent Farms	Wind					MN Windsource
NOT PUBLIC DATA ENDS]				NOT PUBLIC DATA ENDS]			
M627	SRMN2010-J-01 - SRMN2010-J-01	Solar			1,936		
M714	SRMN2011-01 - SRMN2011-01	Solar			1,136		
M737	SRMN2011-02 - SRMN2011-02	Solar			1,276		
M882	SRMN2011-03 - SRMN2011-03	Solar			94		
M766	SRMN2012-01 - SRMN2012-01	Solar			1,008		
M786	SRMN2012-02 - SRMN2012-02	Solar			1,461		
M797	SRMN2012-03 - SRMN2012-03	Solar			1,799		
M836	SRMN2012-04 - SRMN2012-04	Solar			175		
M881	SRMN2013-01 - SRMN2013-01	Solar			1,576		
M883	SRMN2013-02 - SRMN2013-02	Solar			1,680		
M931	SRMN2013-I-01 - SRMN2013-I-01	Solar			337		
M934	SRMN2013-J-01 - SRMN2013-J-01	Solar			46		
M936	SRMN2014-01 - SRMN2014-01	Solar			608		
M937	SRMN2014-I-01 - SRMN2014-I-01	Solar			1,589		
M938	SRMN2014-I-02 - SRMN2014-I-02	Solar			1,304		
M988	SRMN2014-I-03 - SRMN2014-I-03	Solar			623		
M939	SRMN2014-J-01 - SRMN2014-J-01	Solar			1,030		
M940	SRMN2014-J-02 - SRMN2014-J-02	Solar			1,147		
M949	SRMN2014-J-03 - SRMN2014-J-03	Solar			1,054		
M1061	SRMN2014-J-04 - SRMN2014-J-04	Solar			47		
M968	SRMN2015-I-01 - SRMN2015-I-01	Solar			1,533		
M1060	SRMN2015-I-02 - SRMN2015-I-02	Solar			1,311		
M1405	SRMN2015-I-03	Solar			444		
M969	SRMN2015-J-01 - SRMN2015-J-01	Solar			1,120		
M989	SRMN2015-J-02 - SRMN2015-J-02	Solar			993		
M1000	SRMN2015-J-03 - SRMN2015-J-03	Solar			1,071		
M1058	SRMN2015-J-04 - SRMN2015-J-04	Solar			998		
M1059	SRMN2016-I-01 - SRMN2016-I-01	Solar			1,271		
M1224	SRMN2016-I-02 - SRMN2016-I-02	Solar			1,080		
M1536	SRMN2016-I-03	Solar			166		
M1062	SRMN2016-J-01 - SRMN2016-J-01	Solar			1,075		
M1067	SRMN2016-J-02 - SRMN2016-J-02	Solar			1,078		
M1068	SRMN2016-J-03 - SRMN2016-J-03	Solar			1,062		
M1194	SRMN2016-J-04 - SRMN2016-J-04	Solar			1,043		
M1406	SRMN2016-J-05	Solar			588		
M1488	SRMN2017-I-01	Solar			1,488		
M1537	SRMN2017-I-02	Solar			441		
M1223	SRMN2017-J-01 - SRMN2017-J-01	Solar			1,115		
M1408	SRMN2017-J-02	Solar			1,096		
M1409	SRMN2017-J-03	Solar			1,137		
M1410	SRMN2017-J-04	Solar			1,072		
M1539	SRMN2017-J-05	Solar			1,032		
M1540	SRMN2017-J-06	Solar			173		
M2025	SRMN2018-I-02	Solar			38		
M1541	SRMN2018-J-01	Solar			660		
M1955	SRMN2018-J-03	Solar			4		
M2026	SRMN2018-J-05	Solar			5		
[NOT PUBLIC DATA BEGINS							
		Solar				14,740	
		Solar				10,282	
		Solar				7,095	
		Solar				10,036	
		Solar				10,787	
		Solar				8,794	
		Solar				6,475	
		Solar				6,593	

PUBLIC DOCUMENT
NOT PUBLIC DATA HAS BEEN EXCISED

Renewable Energy Certificate Retirement Report for
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for **RENEWABLE ENERGY STANDARD** compliance	RECs retired for **GREEN PRICING** programs	SRECs retired for Small Scale **SOLAR ENERGY STANDARD** compliance	SRECs retired for Non-small scale **SOLAR ENERGY STANDARD** compliance	NOTES
		Solar				11,448	
		Solar				5,555	
		Solar				5,858	
		Solar				17,136	
		Solar				7,116	
		Solar				15,051	
		Solar				9,677	
		Solar				12,563	
	NOT PUBLIC DATA ENDS]						
M1157	Blue Lake Wastewater Treatment (WWTP)Solar Project - Blue Lake Wastewater Treatn	Solar				641	
M1170	CHS Field - CHS Field Solar Arrays	Solar				35	
M1202	Court International LLC - Court International LLC	Solar				182	
M630	FreEner-g-2010-01 - FreEner-g-2010-01	Solar				68	
M1005	Hutchinson Wastewater Treatment Facility - Hutchinson WWTF Solar	Solar				180	
M1065	Marshall Solar Energy - Marshall Solar Energy	Solar				89,172	
M655	MCC - Solar	Solar				285	
M730	Merrick Solar - Merrick Solar	Solar				43	
M1036	Minneapolis /St. Paul International Airport - T1 Blue Ramp Solar	Solar				8	
M738	MNRDF_DNR - MNRDF_DNR	Solar				49	
M1064	North Star Solar PV - North Star Solar PV	Solar				135,240	
M1072	Parade Ice Garden - Parade Ice Garden	Solar				46	
M962	School Sisters of Notre Dame Solar Park - School Sisters of Notre Dame Solar Park	Solar				486	
M796	Slayton Solar - Slayton Solar LLC	Solar				849	
M559	St. John's Solar Farm - St. John's Solar Farm	Solar				259	
M1071	Target Midway Store - Target Midway Solar	Solar				198	
M1195	UEL Real Estate Holdings - UEL Real Estate Holdings LLC	Solar				92	
M1347	UNIVERSITY CENTRE AT 1919 LLP - UNIVERSITY CENTRE	Solar				141	
[NOT PUBLIC DATA BEGINS							
		Biogas	4,362				
		Hydroelectric Water	13,483				
		Hydroelectric Water	37,092				
		Hydroelectric Water	35,100				
		Hydroelectric Water	5,104				
		Hydroelectric Water	4,679				
		Hydroelectric Water	16,221				
		Hydroelectric Water	14,484				
		Hydroelectric Water	11,173				
		Hydroelectric Water	10,470				
		Hydroelectric Water	80,883				
		Hydroelectric Water	40,366				
		Hydroelectric Water	984				
		Hydroelectric Water	31,338				
		Hydroelectric Water	30,716				
		Hydroelectric Water	31,144				
		Hydroelectric Water	58,746				
		Hydroelectric Water	2,747				
		Hydroelectric Water	61,963				
		Hydroelectric Water	11,048				
		Hydroelectric Water	24,541				
		Hydroelectric Water	2,280				
		Hydroelectric Water	6,593				
		Hydroelectric Water	48,752				
		Hydroelectric Water	93,154				
		Hydroelectric Water	7,543				
		Hydroelectric Water	3,542				
		Hydroelectric Water	7,807				
		Hydroelectric Water	769				
		Hydroelectric Water	4,362				
		Hydroelectric Water	61,591				
		Hydroelectric Water	66,960				
	NOT PUBLIC DATA ENDS]						
M1621	330th Street West Solar Project 1	Solar	1,930				
M1622	330th Street West Solar Project 2	Solar	2,004				
M1623	330th Street West Solar Project 3	Solar	2,001				
M1624	330th Street West Solar Project 4	Solar	2,034				
M1625	330th Street West Solar Project 5	Solar	1,880				
M1359	Andromeda CSG1, LLC	Solar	2,031				
M1360	Andromeda CSG2, LLC	Solar	2,118				
M1361	Andromeda CSG3, LLC	Solar	2,165				
M1362	Andromeda CSG4, LLC	Solar	2,618				
M1363	Andromeda CSG5, LLC	Solar	2,043				
M1831	Antares CSG1, LLC	Solar	1,275				
M1832	Antares CSG2, LLC	Solar	1,260				
M1833	Antares CSG3, LLC	Solar	1,425				
M1299	Antila CSG1, LLC - Antila CSG1, LLC	Solar	2,319				
M1300	Antila CSG2, LLC - Antila CSG2, LLC	Solar	2,148				
M1880	Argo Navis CSG 3	Solar	950				
M1636	Argo Navis CSG1, LLC	Solar	1,146				
M1663	Argo Navis CSG2, LLC	Solar	1,266				
M1301	Aries CSG1, LLC - Aries CSG1, LLC	Solar	2,058				
M1302	Aries CSG2, LLC - Aries CSG2, LLC	Solar	2,041				
M1303	Aries CSG3, LLC - Aries CSG3, LLC	Solar	1,791				
M1304	Aries CSG4, LLC - Aries CSG4, LLC	Solar	1,937				
M1637	Armstrong Unit 1	Solar	1,647				
M1638	Armstrong Unit 2	Solar	1,539				
M1639	Armstrong Unit 3	Solar	1,653				
M1412	Aspen01	Solar	2,261				
M1413	Aspen02	Solar	2,064				
M1414	Aspen03	Solar	2,290				
M1415	Aspen04	Solar	2,247				
M1416	Aspen05	Solar	2,228				
[NOT PUBLIC DATA BEGINS							
		Solar	12,272				
		Solar	6,128				

PUBLIC DOCUMENT
NOT PUBLIC DATA HAS BEEN EXCISED

Renewable Energy Certificate Retirement Report for
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for **RENEWABLE ENERGY STANDARD** compliance	RECs retired for **GREEN PRICING** programs	SRECs retired for Small Scale **SOLAR ENERGY STANDARD** compliance	SRECs retired for Non-small scale **SOLAR ENERGY STANDARD** compliance	NOTES
		Solar	4,112				
		Solar	5,788				
		Solar	6,592				
		Solar	5,406				
		Solar	5,453				
		Solar	4,510				
		Solar	7,331				
		Solar	3,018				
		Solar	3,402				
		Solar	10,272				
		Solar	4,310				
		Solar	10,464				
		Solar	4,641				
		Solar	8,214				
	NOT PUBLIC DATA ENDS]						
M1339	B.R. Corcoran - Hennepin Kaat 1 - MINNESOTA SOLAR CSG 19, LLC	Solar	2,063				
M1340	B.R. Corcoran - Hennepin Kaat 2 - MINNESOTA SOLAR CSG 19, LLC	Solar	1,956				
M1341	B.R. Corcoran - Hennepin Kaat 3 - MINNESOTA SOLAR CSG 19, LLC	Solar	1,879				
M1342	B.R. Corcoran - Hennepin Kaat 4 - MINNESOTA SOLAR CSG 19, LLC	Solar	1,970				
M1343	B.R. Corcoran - Hennepin Kaat 5 - MINNESOTA SOLAR CSG 19, LLC	Solar	1,992				
M1616	Bartlett Unit 1	Solar	1,812				
M1617	Bartlett Unit 2	Solar	1,882				
M1618	Bartlett Unit 3	Solar	1,849				
M1619	Bartlett Unit 4	Solar	1,885				
M1620	Bartlett Unit 5	Solar	1,838				
M1905	Betcher CSG LLC	Solar	908				
[NOT PUBLIC DATA BEGINS							
		Solar	22				
	NOT PUBLIC DATA ENDS]						
M1321	Big Lake Holdco LLC #1 - Big Lake Holdco LLC #1	Solar	2,193				
M1322	Big Lake Holdco LLC #2 - Big Lake Holdco LLC #2	Solar	2,199				
M1323	Big Lake Holdco LLC #3 - Big Lake Holdco LLC #3	Solar	2,142				
M1324	Big Lake Holdco LLC #4 - Big Lake Holdco LLC #4	Solar	2,208				
M1325	Big Lake Holdco LLC #5 - Big Lake Holdco LLC #5	Solar	2,195				
M1761	Big Lake Solar Project 1	Solar	1,474				
M1769	Big Lake Solar Project 2	Solar	1,472				
M1770	Big Lake Solar Project 3	Solar	1,484				
M1772	Big Lake Solar Project 4	Solar	1,484				
M1773	Big Lake Solar Project 5	Solar	1,423				
M1100	Blue Lake 1 - Blue Lake 1	Solar	1,697				
M1101	Blue Lake 2 - Blue Lake 2	Solar	1,858				
M1102	Blue Lake 3 - Blue Lake 3	Solar	1,849				
[NOT PUBLIC DATA BEGINS							
		Solar	948				
	NOT PUBLIC DATA ENDS]						
M1598	Brase Unit 1	Solar	1,827				
M1599	Brase Unit 2	Solar	1,875				
M1600	Brase Unit 3	Solar	1,625				
M1601	Brase Unit 4	Solar	754				
M1053	Buhl Family CSG - Buhl Family CSG	Solar	380				
M1896	Butterfield CSG LLC	Solar	268				
M1290	Caelum CSG1, LLC - Caelum CSG1, LLC	Solar	1,968				
M1291	Caelum CSG2, LLC - Caelum CSG2, LLC	Solar	2,150				
M1369	Capella CSG1, LLC	Solar	1,904				
M1370	Capella CSG2, LLC	Solar	1,546				
M1371	Capella CSG3, LLC	Solar	1,409				
M1372	Capella CSG4, LLC	Solar	1,340				
M1373	Capella CSG5, LLC	Solar	1,323				
M1555	Carina CSG1, LLC	Solar	2,059				
M1556	Carina CSG2, LLC	Solar	1,874				
M1557	Carina CSG3, LLC	Solar	1,504				
M1558	Carina CSG4, LLC	Solar	1,823				
M1602	Carver Gladden Unit 1	Solar	1,707				
M1603	Carver Gladden Unit 2	Solar	1,703				
M1604	Carver Gladden Unit 3	Solar	1,733				
M1881	CEF Edina Community Solar, LLC	Solar	247				
M1838	CEF Shiloh Community Solar, LLC	Solar	164				
M1292	Centaurus CSG1, LLC - Centaurus CSG1, LLC	Solar	2,084				
M1293	Centaurus CSG2, LLC - Centaurus CSG2, LLC	Solar	1,927				
M1549	CF GM NES of Porter Way CSG A	Solar	1,951				
M1550	CF GM NES of Porter Way CSG B	Solar	1,955				
M1551	CF GM NES of Porter Way CSG C	Solar	1,911				
M1103	Chisago Community Solar 1, LLC - Chisago Community Solar 1	Solar	1,759				
M1104	Chisago Community Solar 2, LLC - Chisago Community Solar 2	Solar	1,782				
M1105	Chisago Community Solar 3, LLC - Chisago Community Solar 3	Solar	1,807				
M1106	Chisago Community Solar 4, LLC - Chisago Community Solar 4	Solar	1,796				
[NOT PUBLIC DATA BEGINS							
		Solar	61				
	NOT PUBLIC DATA ENDS]						
M1890	Clara City CSG 1, LLC	Solar	739				
M1781	Corvus CSG1, LLC	Solar	472				
M1780	Corvus CSG2, LLC	Solar	459				
M1779	Corvus CSG3, LLC	Solar	506				
M1778	Corvus CSG4, LLC	Solar	468				
M1777	Corvus CSG5, LLC	Solar	409				
M1640	Cottage Grove PV1	Solar	1,357				
M1641	Cottage Grove PV2	Solar	1,390				
M1642	Cottage Grove PV3	Solar	1,381				
M1643	Cottage Grove PV4	Solar	1,352				
M1644	Cottage Grove PV5	Solar	1,352				
[NOT PUBLIC DATA BEGINS							
		Solar	260				
	NOT PUBLIC DATA ENDS]						
M1374	Crater CSG1, LLC	Solar	2,161				