



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 7<sup>th</sup> 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.

<b>Year</b>	<b>CRP Percent</b>
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<sub>ac</sub> 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.

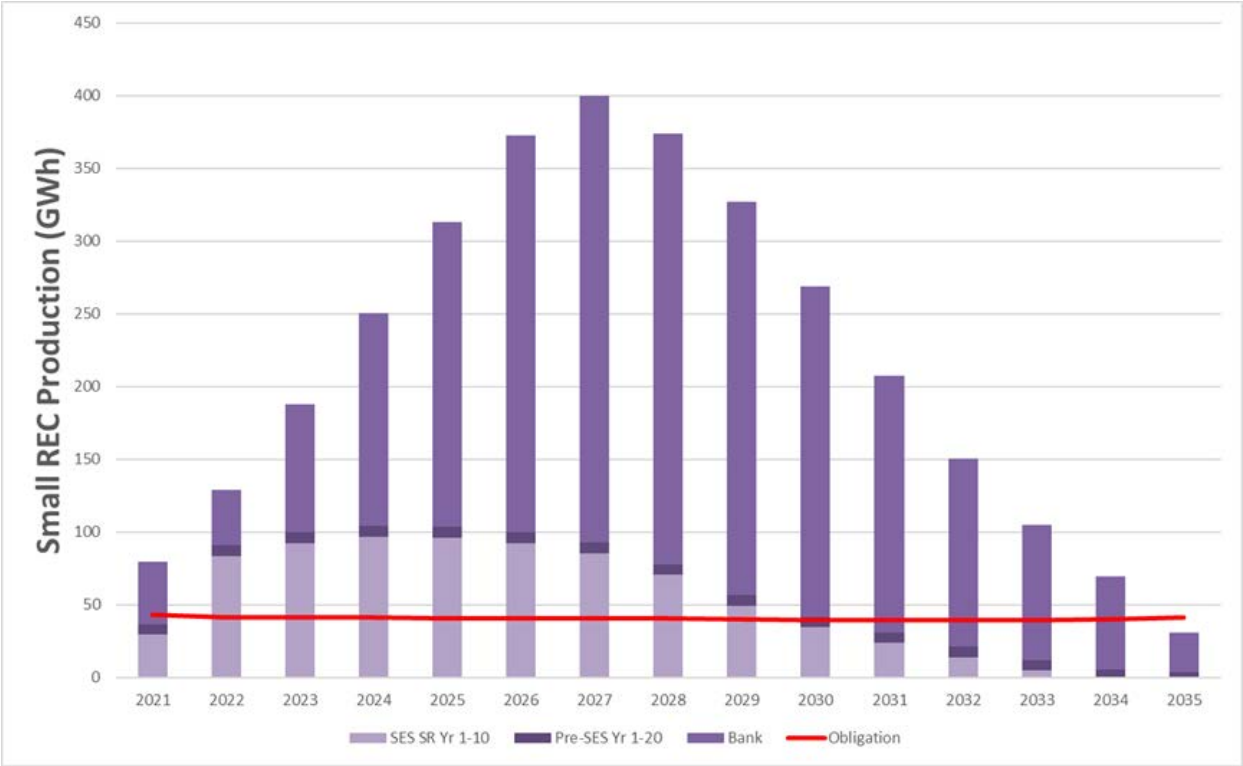
**Table 1: Small Solar Carve Out – Programs**

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.<sup>1</sup> 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.<sup>2</sup> 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

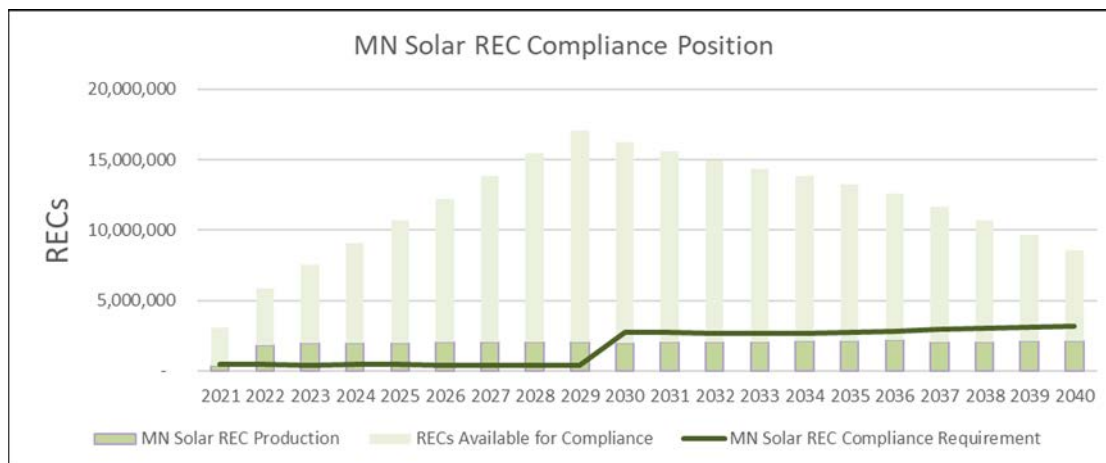
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<sup>1</sup> Docket No. E002/RP-19-368.

<sup>2</sup> 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](mailto:bria.e.shea@xcelenergy.com), or Pamela Gibbs at [pamela.k.gibbs@xcelenergy.com](mailto: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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NOT PUBLIC DATA HAS BEEN EXCISED  
Renewable Energy Certificate Retirement Report for  
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Docket Nos. E999/PR-02-1240  
E999/PR-22-12  
E999/M-22-85  
Attachment A, Page 1 of 15

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85	<b>Attachment 1</b>
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: <b>January 1, 2021 - December 31, 2021</b>
<b>Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs</b>	

Report Year: 2021	Date Submitted: June 1, 2022
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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 <b>RENEWABLE ENERGY STANDARDS</b> on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
Northern States Power Company - Minnesota			

Filing for <b>GREEN PRICING PROGRAMS</b> on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
Northern States Power Company - Minnesota			

Filing for <b>SOLAR ENERGY STANDARD</b> 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

Docket Nos. E999/PR-02-1240  
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Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85		<b>Attachment 2</b>	
Minnesota Department of Commerce: Docket No. E999/PR-02-1240		Reporting Period: <b>January 1, 2021 - December 31, 2021</b>	
<b>Total Retail Sales to Minnesota Customers and Renewable Energy Certificates Required to be Retired for RENEWABLE ENERGY STANDARD Compliance</b>			
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

Docket Nos. E999/PR-02-1240  
E999/PR-22-12  
E999/M-22-85  
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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 3

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)	WindsorSource Minnesota	76,439	440,555	\$0.0353	WindsorSource 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
						No sales because company receives all RECs and subscribers do not get CSG energy
85	Xcel Energy (NSP-MN)	Community Solar Gardens				

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

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

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

Docket Nos. E999/PR-02-1240  
E999/PR-22-12  
E999/M-22-85  
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Minnesota Department of Commerce: Docket No. E999/PR-02-1240				Reporting Period:		January 1, 2021 - December 31, 2021		Attachment 5					
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 / C256DD86-872A									
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	
				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	
MRETS ID	MRETS Generator Facility Name			Generator Fuel Type									
[NOT PUBLIC DATA BEGINS]				[NOT PUBLIC DATA BEGINS]									
[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			

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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				

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MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for	RECs retired	SRECs retired for	SRECs retired for	NOTES
			RENEWABLE ENERGY STANDARD compliance	for GREEN PRICING programs	Small Scale ENERGY STANDARD compliance	SOLAR Non-small scale SOLAR ENERGY STANDARD compliance	
		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				

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MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for	RECs retired	SRECs retired for	SRECs retired for	NOTES
			RENEWABLE ENERGY STANDARD compliance	for GREEN PRICING programs	Small Scale SOLAR ENERGY STANDARD compliance	Non-small scale SOLAR ENERGY STANDARD compliance	
M1375	Crater CSG2, LLC	Solar		2,097			
M1376	Crater CSG3, LLC	Solar		2,061			
M1628	Delphinus CSG1, LLC	Solar		1,701			
M1629	Delphinus CSG2, LLC	Solar		1,819			
M1875	DG Minnesota CSG 1, LLC	Solar		877			
M1876	DG Minnesota CSG 1, LLC	Solar		841			
M1877	DG Minnesota CSG 1, LLC	Solar		865			
M1878	DG Minnesota CSG 1, LLC	Solar		888			
M1879	DG Minnesota CSG 1, LLC	Solar		910			
M1822	DG Minnesota CSG, LLC	Solar		604			
M1823	DG Minnesota CSG, LLC	Solar		585			
M1824	DG Minnesota CSG, LLC	Solar		503			
M1825	DG Minnesota CSG, LLC	Solar		598			
M1826	DG Minnesota CSG, LLC	Solar		588			
M1817	DG Minnesota CSG, LLC	Solar		437			
M1818	DG Minnesota CSG, LLC	Solar		417			
M1819	DG Minnesota CSG, LLC	Solar		478			
M1820	DG Minnesota CSG, LLC	Solar		479			
M1821	DG Minnesota CSG, LLC	Solar		518			
M1873	DG Minnesota CSG, LLC	Solar		504			
M1874	DG Minnesota CSG, LLC	Solar		354			
M1230	Dodge Holdco LLC #1 - Dodge Holdco LLC #1	Solar		1,780			
M1231	Dodge Holdco LLC #2 - Dodge Holdco LLC #2	Solar		1,798			
M1232	Dodge Holdco LLC #3 - Dodge Holdco LLC #3	Solar		1,709			
M1233	Dodge Holdco LLC #4 - Dodge Holdco LLC #4	Solar		1,793			
M1234	Dodge Holdco LLC #5 - Dodge Holdco LLC #5	Solar		1,850			
M1417	DodgeSun CSG 1	Solar		2,413			
M1418	DodgeSun CSG 2	Solar		2,431			
M1419	DodgeSun CSG 3	Solar		2,448			
M1420	DodgeSun CSG 4	Solar		2,445			
M1421	DodgeSun CSG 5	Solar		2,440			
M1676	DragonFly Solar	Solar		195			
M1590	Dundas Solar Farm 1	Solar		1,875			
M1591	Dundas Solar Farm 2	Solar		1,893			
M1592	Dundas Solar Farm 3	Solar		1,975			
M1593	Dundas Solar Farm 4	Solar		1,882			
M1594	Dundas Solar Farm 5	Solar		1,963			
M1107	Eichtens - Eichtens 039467	Solar		1,736			
M1108	Eichtens - Eichtens 040717	Solar		1,741			
M1109	Eichtens - Eichtens 040718	Solar		1,734			
M1110	Eichtens - Eichtens 040841	Solar		1,758			
M1111	Empire 1 - Empire 1	Solar		1,901			
M1112	Empire 2 - Empire 2	Solar		2,010			
M1113	Empire 3 - Empire 3	Solar		2,130			
M1114	Empire 4 - Empire 4	Solar		2,016			
M1115	Empire 5 - Empire 5	Solar		1,983			
M1312	Equuleus Community Solar Gardens #1 - Equuleus Community Solar Gardens #1	Solar		2,385			
M1313	Equuleus Community Solar Gardens #2 - Equuleus Community Solar Gardens #2	Solar		2,409			
M1314	Equuleus Community Solar Gardens #3 - Equuleus Community Solar Gardens #3	Solar		2,081			
M1315	Equuleus Community Solar Gardens #4 - Equuleus Community Solar Gardens #4	Solar		2,409			
M1316	Equuleus Community Solar Gardens #5 - Equuleus Community Solar Gardens #5	Solar		2,188			
M1235	Farmington Holdco, LLC #1 - Farmington Holdco, LLC #1	Solar		1,814			
M1236	Farmington Holdco, LLC #2 - Farmington Holdco, LLC #2	Solar		1,855			
M1237	Farmington Holdco, LLC #3 - Farmington Holdco, LLC #3	Solar		1,890			
M1238	Farmington Holdco, LLC #4 - Farmington Holdco, LLC #4	Solar		1,850			
M1239	Farmington Holdco, LLC #5 - Farmington Holdco, LLC #5	Solar		1,862			
M1809	Foreman's Hill CSG LLC	Solar		1,074			
M1810	Foreman's Hill CSG LLC	Solar		1,086			
M1811	Foreman's Hill CSG LLC	Solar		1,112			
M1812	Foreman's Hill CSG LLC	Solar		1,113			
M1813	Foreman's Hill CSG LLC	Solar		1,099			
M1240	Forest Lake Holdco #1 - Forest Lake Holdco #1	Solar		2,031			
M1241	Forest Lake Holdco #2 - Forest Lake Holdco #2	Solar		2,064			
M1242	Forest Lake Holdco #3 - Forest Lake Holdco #3	Solar		1,676			
M1243	Forest Lake Holdco #4 - Forest Lake Holdco #4	Solar		1,750			
M1244	Forest Lake Holdco #5 - Forest Lake Holdco #5	Solar		1,708			
M1868	Fox CSG 1, LLC	Solar		816			
M1869	Fox CSG 1, LLC	Solar		816			
M1870	Fox CSG 1, LLC	Solar		813			
M1871	Fox CSG 1, LLC	Solar		811			
M1872	Fox CSG 1, LLC	Solar		800			
M630	FreEner-g-2010-01 - FreEner-g-2010-01	Solar		125			
M1294	Gemini CSG1, LLC - Gemini CSG1, LLC	Solar		2,072			
M1295	Gemini CSG2, LLC - Gemini CSG2, LLC	Solar		2,267			
M1296	Gemini CSG3, LLC - Gemini CSG3, LLC	Solar		2,307			
M1422	Gopher 1	Solar		2,002			
M1423	Gopher 2	Solar		2,056			
M1424	Gopher 3	Solar		1,979			
M1425	Gopher 4	Solar		1,791			
M1426	Gopher 5	Solar		2,050			
M1907	Greenway Solar, LLC	Solar		191			
M1658	Grimm 049571	Solar		1,654			
M1386	Hauer Unit 1	Solar		1,983			
M1387	Hauer Unit 2	Solar		2,153			
M1388	Hauer Unit 3	Solar		1,835			
M1389	Hauer Unit 4	Solar		2,126			
M1390	Hauer Unit 5	Solar		1,555			
M1904	Heyer CSG LLC	Solar		1,309			
M1427	Hickory01	Solar		2,252			
M1428	Hickory02	Solar		2,306			
M1429	Hickory03	Solar		2,291			
M1430	Hickory05	Solar		2,275			
M1431	Hickory06	Solar		2,317			
M1659	Huneke I 049242	Solar		1,576			



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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]							
		Solar	212				
[NOT PUBLIC DATA ENDS]							
M1245	Hwy 14 Holdco LLC #1 - Hwy 14 Holdco LLC #1	Solar	2,084				
M1246	Hwy 14 Holdco LLC #2 - Hwy 14 Holdco LLC #2	Solar	2,156				
M1247	Hwy 14 Holdco LLC #3 - Hwy 14 Holdco LLC #3	Solar	2,257				
M1248	Hwy 14 Holdco LLC #4 - Hwy 14 Holdco LLC #4	Solar	2,143				
M1249	Hwy 14 Holdco LLC #5 - Hwy 14 Holdco LLC #5	Solar	2,266				
M1326	IMS #1 - IMS #1	Solar	1,959				
M1327	IMS #2 - IMS #2	Solar	2,009				
M1328	IMS #3 - IMS #3	Solar	2,045				
M1329	IMS #4 - IMS #4	Solar	1,963				
M1330	IMS #5 - IMS #5	Solar	2,083				
M1559	Johnson CSG 1	Solar	2,263				
M1560	Johnson CSG 2	Solar	2,316				
M1561	Johnson CSG 3	Solar	2,286				
M1562	Johnson CSG 4	Solar	2,305				
M1563	Johnson CSG 5	Solar	1,615				
M1886	Johnson I CSG LLC	Solar	956				
M1887	Johnson II CSG LLC	Solar	702				
M1432	Kramer CSG 1	Solar	2,470				
M1433	Kramer CSG 2	Solar	2,473				
M1434	Kramer CSG 3	Solar	2,435				
M1660	Krause 049570	Solar	1,735				
M1840	Kreye01 CSG A	Solar	237				
M1841	Kreye01 CSG B	Solar	244				
M1843	Kreye01 CSG D	Solar	245				
M1844	Kreye02 CSG A	Solar	243				
M1845	Kreye02 CSG B	Solar	241				
M1846	Kreye02 CSG C	Solar	232				
M1847	Kreye02 CSG D	Solar	221				
M1842	Kreyer01 CSG C	Solar	247				
M1435	Lahr 1	Solar	1,872				
M1436	Lahr 2	Solar	2,193				
M1437	Lahr 3	Solar	2,194				
M1438	Lahr 4	Solar	2,179				
M1439	Lahr 5	Solar	2,018				
M1116	Lake Calhoun 17 - Lake Calhoun 17	Solar	2,038				
M1117	Lake Calhoun 18 - Lake Calhoun 18	Solar	2,037				
M1118	Lake Calhoun 19 - Lake Calhoun 19	Solar	2,012				
M1119	Lake Calhoun 20 - Lake Calhoun 20	Solar	2,034				
M1120	Lake Calhoun 21 - Lake Calhoun 21	Solar	2,024				
M1121	Lake Calhoun 27 - Lake Calhoun 27	Solar	2,012				
M1122	Lake Calhoun 28 - Lake Calhoun 28	Solar	2,035				
M1123	Lake Calhoun 29 - Lake Calhoun 29	Solar	2,000				
M1766	Lake Calhoun 43 LLC	Solar	865				
M1765	Lake Calhoun 44 LLC	Solar	816				
M1764	Lake Calhoun 45 LLC	Solar	858				
M1763	Lake Calhoun 47 LLC	Solar	882				
M1762	Lake Calhoun 49 LLC	Solar	807				
M1582	Lake Waconia Solar Garden	Solar	1,866				
M1583	Lake Waconia Solar IV Garden	Solar	1,866				
M1440	Lenzen Unit 1	Solar	1,851				
M1441	Lenzen Unit 2	Solar	1,907				
M1442	Lenzen Unit 3	Solar	1,770				
M1443	Lenzen Unit 4	Solar	752				
M1444	Lenzen Unit 5	Solar	1,847				
M1782	LeSun, LLC	Solar	528				
M1783	LeSun, LLC	Solar	517				
M1784	LeSun, LLC	Solar	544				
M1785	LeSun, LLC	Solar	480				
M1786	LeSun, LLC	Solar	566				
M1900	Libra Community Solar Garden, LLC	Solar	672				
M1188	Lind 1 - Lind SRC 041230	Solar	1,814				
M1189	Lind 2 - Lind SRC 041231	Solar	2,039				
M1190	Lind 3 - Lind SRC 041232	Solar	2,034				
M1191	Lind 4 - Lind SRC 041233	Solar	1,884				
M1192	Lind 5 - Lind SRC 041234	Solar	1,892				
M1650	Lindstrom CSG 1, LLC	Solar	1,864				
M1651	Lindstrom CSG 2, LLC	Solar	1,853				
M1652	Lindstrom CSG 3, LLC	Solar	1,857				
M1552	Lyra CSG1, LLC	Solar	1,918				
M1553	Lyra CSG2, LLC	Solar	1,786				
M1554	Lyra CSG3, LLC	Solar	1,812				
M1198	Mapleton CSG1 - Mapleton CSG1, LLC	Solar	2,032				
M1199	Mapleton CSG2 - Mapleton CSG2, LLC	Solar	1,947				
M1200	Mapleton CSG3 - Mapleton CSG3, LLC	Solar	1,794				
M1827	Mapleton Solar LLC	Solar	938				
M1828	Mapleton Solar LLC	Solar	901				
M1829	Mapleton Solar LLC	Solar	949				
M1830	Mapleton Solar LLC	Solar	468				
M1646	Marmas CSG 1	Solar	1,513				
M1647	Marmas CSG 2	Solar	1,560				
M1648	Marmas CSG 3	Solar	1,582				
M1649	Marmas CSG 4	Solar	1,553				
[NOT PUBLIC DATA BEGINS]							
		Solar	73,417				
[NOT PUBLIC DATA ENDS]							
M655	MCC - Solar	Solar	389				
M1584	McHattie Unit 1	Solar	1,947				
M1585	McHattie Unit 2	Solar	1,999				
M1586	McHattie Unit 3	Solar	2,027				
M1587	McHattie Unit 4	Solar	1,992				
M1445	Menke Unit 1	Solar	2,069				

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MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for	RECs retired	SRECs retired for	SRECs retired for	NOTES
			RENEWABLE ENERGY STANDARD compliance	for GREEN PRICING programs	Small Scale SOLAR ENERGY STANDARD compliance	Non-small scale SOLAR ENERGY STANDARD compliance	
M1446	Menke Unit 2	Solar		2,259			
M1447	Menke Unit 3	Solar		2,319			
M730	Merrick Solar - Merrick Solar	Solar		66			
M1396	Michael 1	Solar		2,329			
M1397	Michael 2	Solar		2,341			
M1398	Michael 3	Solar		2,342			
M1399	Michael 4	Solar		2,276			
[NOT PUBLIC DATA BEGINS]							
		Solar		3			
NOT PUBLIC DATA ENDS]							
M1834	Minnesota Solar CSG 1, LLC	Solar		203			
M1835	Minnesota Solar CSG 1, LLC	Solar		647			
M1836	Minnesota Solar CSG 1, LLC	Solar		660			
M1837	Minnesota Solar CSG 1, LLC	Solar		630			
M1383	MINNESOTA SOLAR CSG 21, LLC	Solar		1,493			
M1384	MINNESOTA SOLAR CSG 21, LLC	Solar		1,566			
M1385	MINNESOTA SOLAR CSG 21, LLC	Solar		1,618			
M1364	MINNESOTA SOLAR CSG 9, LLC	Solar		2,004			
M1365	MINNESOTA SOLAR CSG 9, LLC	Solar		1,959			
M1366	MINNESOTA SOLAR CSG 9, LLC	Solar		2,015			
M1367	MINNESOTA SOLAR CSG 9, LLC	Solar		2,012			
M1368	MINNESOTA SOLAR CSG 9, LLC	Solar		2,019			
M1588	MN Lake Unit 1	Solar		1,800			
M1589	MN Lake Unit 2	Solar		1,543			
M1790	MN Solar Community, LLC	Solar		711			
M1791	MN Solar Community, LLC	Solar		692			
M1792	MN Solar Community, LLC	Solar		967			
M1793	MN Solar Community, LLC	Solar		824			
M1794	MN Solar Community, LLC	Solar		797			
M738	MNRDF_DNR - MNRDF_DNR	Solar		76			
M1344	Montgomery W - Highlander 1 - MINNESOTA SOLAR CSG 4, LLC	Solar		1,959			
M1345	Montgomery W - Highlander 2 - MINNESOTA SOLAR CSG 4, LLC	Solar		2,004			
M1346	Montgomery W - Highlander 3 - MINNESOTA SOLAR CSG 4, LLC	Solar		2,010			
M1250	Morgan CSG1, LLC - Morgan CSG1, LLC	Solar		2,289			
M1251	Morgan CSG2, LLC - Morgan CSG2, LLC	Solar		2,288			
M1252	Morgan CSG3, LLC - Morgan CSG3, LLC	Solar		2,139			
M1797	MSC Carver01, LLC	Solar		228			
M1798	MSC Carver01, LLC	Solar		197			
M1799	MSC Carver01, LLC	Solar		241			
M1800	MSC Carver01, LLC	Solar		241			
M1801	MSC Carver02, LLC	Solar		240			
M1802	MSC Carver02, LLC	Solar		237			
M1803	MSC Carver02, LLC	Solar		241			
M1804	MSC Carver02, LLC	Solar		227			
M1849	MSC-Wash01, LLC	Solar		235			
M1848	MSC-Wash02, LLC	Solar		237			
M1850	MSC-Wash03, LLC	Solar		238			
M1851	MSC-Wash04, LLC	Solar		223			
M1852	MSC-Wash05, LLC	Solar		213			
M1853	MSC-Wash06, LLC	Solar		217			
M1854	MSC-Wash07, LLC	Solar		213			
M1855	MSC-Wash08, LLC	Solar		187			
M1856	MSC-Wash09, LLC	Solar		203			
M1857	MSC-Wash10, LLC	Solar		212			
M1858	MSC-Wash11, LLC	Solar		209			
M1859	MSC-Wash12, LLC	Solar		213			
M1860	MSC-Wash13, LLC	Solar		213			
M1861	MSC-Wash14, LLC	Solar		210			
M1862	MSC-Wash15, LLC	Solar		214			
M1863	MSC-Wash16, LLC	Solar		217			
M1864	MSC-Wash17, LLC	Solar		215			
M1865	MSC-Wash18, LLC	Solar		217			
M1866	MSC-Wash19, LLC	Solar		215			
M1867	MSC-Wash20, LLC	Solar		211			
M1317	NES - CF of Tyler CSG A - NES - CF of Tyler CSG A	Solar		424			
M1448	Nesvold 1 - 1	Solar		2,225			
M1449	Nesvold 1 - 2	Solar		2,076			
M1450	Nesvold 1 - 3	Solar		1,833			
M1451	Nesvold 1 - 4	Solar		2,033			
M1452	Nesvold 1 - 5	Solar		2,131			
M1610	New Germany Solar Garden	Solar		2,091			
[NOT PUBLIC DATA BEGINS]							
		Solar		100,341			
NOT PUBLIC DATA ENDS]							
M1124	Northfield CSG1 - Northfield CSG1	Solar		2,034			
M1125	Northfield CSG2 - Northfield CSG2	Solar		1,954			
M1126	Northfield CSG3 - Northfield CSG3	Solar		1,913			
M1127	Northfield CSG4 - Northfield CSG4	Solar		2,125			
M1128	Northfield CSG5 - Northfield CSG5	Solar		2,085			
M1453	Northfield Holdco LLC Unit 1	Solar		2,327			
M1454	Northfield Holdco LLC Unit 2	Solar		2,252			
M1455	Northfield Holdco LLC Unit 3	Solar		2,290			
M1456	Northfield Holdco LLC Unit 4	Solar		2,398			
M1457	Northfield Holdco LLC Unit 5	Solar		2,228			
M1052	Novel CSG of Faircon - Novel CSG of Faircon	Solar		144			
M1257	Novel CSG of Twin Pine Farm - Novel CSG of Twin Pine Farm	Solar		61			
M1548	Novel CSG of Vetter Farms B	Solar		50			
M1265	Novel CSG of Winona A - Novel CSG of Winona A	Solar		499			
M1891	Novel Solar Eight LLC	Solar		136			
M1897	Novel Solar Eight LLC	Solar		119			
M1898	Novel Solar Eight LLC	Solar		169			
M1635	Nystuen	Solar		1,385			
M1899	Oak Leaf Solar XI LLC	Solar		511			
M2031	OE WI Solar 2 (Ore Dock)	Solar		29			

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Renewable Energy Certificate Retirement Report for  
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MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for	RECs retired	SRECs retired for	SRECs retired for	NOTES
			RENEWABLE ENERGY STANDARD compliance	for GREEN PRICING programs	Small Scale SOLAR ENERGY STANDARD compliance	Non-small scale SOLAR ENERGY STANDARD compliance	
M1129	Orion CSG1 - Orion CSG1	Solar		1,910			
M1130	Orion CSG2 - Orion CSG2	Solar		1,733			
M1131	Orion CSG3 - Orion CSG3	Solar		1,838			
M1759	Osakis Solar LLC	Solar		953			
M1805	Osakis Solar LLC	Solar		1,015			
M1814	Osakis Solar LLC	Solar		1,008			
M1815	Osakis Solar LLC	Solar		1,020			
M1816	Osakis Solar LLC	Solar		1,046			
[NOT PUBLIC DATA BEGINS							
		Solar		42			
NOT PUBLIC DATA ENDS]							
M1133	Paynesville CSG 2 - Paynesville CSG 2	Solar		2,199			
M1134	Paynesville CSG 3 - Paynesville CSG 3	Solar		1,961			
M1135	Paynesville CSG 4 - Paynesville CSG 4	Solar		1,749			
M1136	Paynesville CSG 5 - Paynesville CSG 5	Solar		2,158			
M1132	Paynesville CSG1 - Paynesville CSG1	Solar		2,123			
M1297	Pegasus CSG1, LLC - Pegasus CSG1, LLC	Solar		2,276			
M1298	Pegasus CSG2, LLC - Pegasus CSG2, LLC	Solar		2,396			
M1253	Pine Island Holdco, LLC #1 - Pine Island Holdco, LLC #1	Solar		1,896			
M1254	Pine Island Holdco, LLC #2 - Pine Island Holdco, LLC #2	Solar		1,876			
M1255	Pine Island Holdco, LLC #3 - Pine Island Holdco, LLC #3	Solar		1,887			
M1256	Pine Island Holdco, LLC #4 - Pine Island Holdco, LLC #4	Solar		2,102			
M1377	Pollux CSG1, LLC	Solar		1,400			
M1888	Prinsburg CSG 1, LLC	Solar		696			
M1137	Red Wing SD - Red Wing SD 42423	Solar		1,769			
M1138	Red Wing SD - Red Wing SD 42425	Solar		1,803			
M1139	Red Wing SD - Red Wing SD 42426	Solar		1,829			
M1140	Red Wing SD - Red Wing SD 42427	Solar		1,816			
M1141	Red Wing SD - Red Wing SD 42428	Solar		1,843			
M1400	Richmond 1	Solar		2,179			
M1401	Richmond 2	Solar		2,227			
M1402	Richmond 3	Solar		2,209			
M1403	Richmond 4	Solar		2,182			
M1404	Richmond 5	Solar		2,181			
M1889	RJC I CSG LLC	Solar		1,220			
M1894	RJC II CSG LLC	Solar		1,473			
M1142	Rosemount CSG1 - Rosemount CSG1	Solar		2,056			
M1143	Rosemount CSG2 - Rosemount CSG2	Solar		2,008			
M1144	Rosemount CSG3 - Rosemount CSG3	Solar		2,053			
M1145	Rosemount CSG4 - Rosemount CSG4	Solar		2,059			
M1146	Rosemount CSG5 - Rosemount CSG5	Solar		2,018			
M1806	Scandia CSG LLC	Solar		476			
M1807	Scandia CSG LLC	Solar		1,035			
M1808	Scandia CSG LLC	Solar		1,038			
M1458	Scandia Trail Unit 1	Solar		2,401			
M1459	Scandia Trail Unit 2	Solar		2,417			
M1460	Scandia Trail Unit 3	Solar		2,345			
M1461	Scandia Trail Unit 4	Solar		2,336			
M1462	Scandia Trail Unit 5	Solar		2,358			
M1662	School Sisters 051877	Solar		1,403			
[NOT PUBLIC DATA BEGINS							
		Solar		594			
NOT PUBLIC DATA ENDS]							
M1614	Sherburne Community Solar Garden 1	Solar		1,640			
M1615	Sherburne Community Solar Garden 2	Solar		1,668			
M1613	Sherburne Community Solar Garden 3	Solar		1,684			
M1612	Sherburne Community Solar Garden 4	Solar		1,676			
M1611	Sherburne Community Solar Garden 5	Solar		1,668			
M796	Slayton Solar - Slayton Solar LLC	Solar		1,778			
M1630	South Street West Solar Project 1	Solar		1,697			
M1631	South Street West Solar Project 2	Solar		1,717			
M1632	South Street West Solar Project 3	Solar		1,645			
M1633	South Street West Solar Project 4	Solar		1,696			
M1634	South Street West Solar Project 5	Solar		1,646			
M1305	Spica CSG1, LLC - Spica CSG1, LLC	Solar		2,013			
M1306	Spica CSG2, LLC - Spica CSG2, LLC	Solar		2,255			
M559	St. John's Solar Farm - St. John's Solar Farm	Solar		420			
M1768	SunE Feely 1, LLC	Solar		989			
M1771	SunE Feely 1, LLC	Solar		988			
M1774	SunE Feely 1, LLC	Solar		981			
M1775	SunE Feely 1, LLC	Solar		925			
M1776	SunE Feely 1, LLC	Solar		954			
M1391	SunE Koppelman 1, LLC	Solar		2,366			
M1392	SunE Koppelman 2, LLC	Solar		2,390			
M1393	SunE Koppelman 3, LLC	Solar		2,372			
M1394	SunE Koppelman 4, LLC	Solar		2,232			
M1395	SunE Koppelman 5, LLC	Solar		2,326			
M1378	SunE Rengstorf 1, LLC	Solar		2,204			
M1379	SunE Rengstorf 2, LLC	Solar		2,184			
M1380	SunE Rengstorf 3, LLC	Solar		2,238			
M1381	SunE Rengstorf 4, LLC	Solar		2,185			
M1382	SunE Rengstorf 5, LLC	Solar		2,225			
M1653	SunE St. Cloud 1, LLC Unit 1	Solar		1,548			
M1654	SunE St. Cloud 1, LLC Unit 2	Solar		1,523			
M1655	SunE St. Cloud 1, LLC Unit 3	Solar		1,564			
M1656	SunE St. Cloud 1, LLC Unit 4	Solar		1,561			
M1657	SunE St. Cloud 1, LLC Unit 5	Solar		1,545			
M1595	SunE Stolee PV1	Solar		1,827			
M1596	SunE Stolee PV2	Solar		1,855			
M1597	SunE Stolee PV3	Solar		1,901			
M1147	Sunrise CSG 1 - Sunrise CSG 1	Solar		2,230			
M1148	Sunrise CSG 2 - Sunrise CSG 2	Solar		2,067			
M1149	Sunrise CSG 3 - Sunrise CSG 3	Solar		2,000			
M1150	Sunrise CSG 4 - Sunrise CSG 4	Solar		2,022			

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Renewable Energy Certificate Retirement Report for  
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Docket Nos. E999/PR-02-1240  
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MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for	RECs retired for	SRECs retired for	SRECs retired for	NOTES
			RENEWABLE ENERGY STANDARD compliance	GREEN PRICING programs	Small Scale SOLAR ENERGY STANDARD compliance	Non-small scale SOLAR ENERGY STANDARD compliance	
M1151	Sunrise CSG 5 - Sunrise CSG 5	Solar	2,020				
[NOT PUBLIC DATA BEGINS]							
NOT PUBLIC DATA ENDS]							
M1795	Taurus CSG 1, LLC	Solar	894				
M1796	Taurus CSG 2, LLC	Solar	652				
M1626	Taurus CSG3, LLC	Solar	1,240				
M1627	Taurus CSG4, LLC	Solar	1,205				
M1463	Taylors Falls 1	Solar	1,879				
M1464	Taylors Falls 2	Solar	1,714				
M1465	Taylors Falls 3	Solar	1,928				
M1466	Taylors Falls 4	Solar	1,903				
M1467	Taylors Falls 5	Solar	1,873				
M1569	TJ Farms Unit 1	Solar	1,409				
M1570	TJ Farms Unit 2	Solar	1,343				
M1571	TJ Farms Unit 3	Solar	1,422				
M1572	TJ Farms Unit 4	Solar	309				
[NOT PUBLIC DATA BEGINS]							
NOT PUBLIC DATA ENDS]							
M1347	UNIVERSITY CENTRE AT 1919 LLP - UNIVERSITY CENTRE	Solar	802				
M1152	Ursa CSG1 - Ursa CSG1	Solar	1,842				
M1153	Ursa CSG2 - Ursa CSG2	Solar	2,032				
M1154	Ursa CSG3 - Ursa CSG3	Solar	2,032				
M1155	Ursa CSG4 - Ursa CSG4	Solar	2,053				
M1156	Ursa CSG5 - Ursa CSG5	Solar	1,883				
M1903	USS Big Lake 1 LLC	Solar	742				
M1901	USS Dubhe Solar LLC	Solar	709				
M1906	USS Good Solar LLC	Solar	706				
M1902	USS Kasch Solar LLC	Solar	798				
M1910	USS Nillie Corn Solar LLC	Solar	456				
M1908	USS Rockpoint Solar LLC	Solar	478				
M1909	USS Solar Dawn LLC	Solar	473				
M1307	Vega CSG1, LLC - Vega CSG1, LLC	Solar	2,352				
M1308	Vega CSG2, LLC - Vega CSG2, LLC	Solar	2,172				
M1309	Vega CSG3, LLC - Vega CSG3, LLC	Solar	2,303				
M1310	Vega CSG4, LLC - Vega CSG4, LLC	Solar	2,372				
M1311	Vega CSG5, LLC - Vega CSG5, LLC	Solar	2,370				
M1573	Veseli Solar Garden	Solar	2,019				
M1574	Vetter Estate Unit 1	Solar	1,324				
M1575	Vetter Estate Unit 2	Solar	1,696				
M1576	Vetter Estate Unit 3	Solar	1,576				
M1258	Wabasha Holdco LLC #1 - Wabasha Holdco LLC #1	Solar	1,792				
M1259	Wabasha Holdco LLC #2 - Wabasha Holdco LLC #2	Solar	1,786				
M1260	Wabasha Holdco LLC #3 - Wabasha Holdco LLC #3	Solar	1,765				
M1318	Walz #1 - Walz #1	Solar	555				
M1319	Walz #2 - Walz #2	Solar	2,191				
M1320	Walz #3 - Walz #3	Solar	2,132				
M1577	WasecaSun, LLC Unit 1	Solar	2,137				
M1578	WasecaSun, LLC Unit 2	Solar	2,084				
M1579	WasecaSun, LLC Unit 3	Solar	2,135				
M1580	WasecaSun, LLC Unit 4	Solar	2,148				
M1581	WasecaSun, LLC Unit 5	Solar	2,139				
M1468	Waterford Holdco LLC Unit 3	Solar	1,564				
M1469	Waterford Holdco LLC Unit 4	Solar	2,313				
M1470	Waterford Holdco LLC Unit 5	Solar	2,247				
M1564	Waterville Community Solar Farm 1	Solar	1,785				
M1565	Waterville Community Solar Farm 2	Solar	1,762				
M1566	Waterville Community Solar Farm 3	Solar	1,779				
M1567	Waterville Community Solar Farm 4	Solar	1,730				
M1568	Waterville Community Solar Farm 5	Solar	1,791				
M1661	Webster 049585	Solar	1,078				
M1261	Webster Holdco LLC #1 - Webster Holdco LLC #1	Solar	1,853				
M1262	Webster Holdco LLC #2 - Webster Holdco LLC #2	Solar	2,067				
M1267	Webster Holdco LLC #3 - Webster Holdco LLC #3	Solar	2,030				
M1263	Webster Holdco LLC #4 - Webster Holdco LLC #4	Solar	1,832				
M1264	Webster Holdco LLC #5 - Webster Holdco LLC #5	Solar	1,856				
M1839	WGL Solar Anderson, LLC	Solar	981				
M1882	WGL Solar Barone, LLC	Solar	716				
M1883	WGL Solar Bolduan, LLC	Solar	628				
M1895	WGL Solar Cornille, LLC	Solar	886				
M1892	WGL Solar Eichthens II, LLC	Solar	787				
M1760	WGL Solar Goodhue 1, LLC	Solar	1,088				
M1767	WGL Solar Goodhue 1, LLC	Solar	1,108				
M1893	WGL Solar Guse, LLC	Solar	753				
M1885	WGL Solar Huneke II, LLC	Solar	847				
M1787	WGL Solar Red Maple 1, LLC	Solar	1,258				
M1788	WGL Solar Red Maple 1, LLC	Solar	1,312				
M1789	WGL Solar Red Maple 1, LLC	Solar	1,292				
M1884	WGL Solar Winegar, LLC	Solar	709				
M1605	Wyoming 2 PV1	Solar	1,651				
M1606	Wyoming 2 PV2	Solar	1,677				
M1607	Wyoming 2 PV3	Solar	1,742				
M1608	Wyoming 2 PV4	Solar	1,150				
M1609	Wyoming 2 PV5	Solar	1,743				
M1645	Zumbro Solar Garden	Solar	1,733				
[NOT PUBLIC DATA BEGINS]							
			55,426				
			3,914				
			115,058				
			5,210				
			265,176				
			4,025				
			87,227				

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

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MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECs retired for	RECs retired	SRECs retired for	SRECs retired for	NOTES
			RENEWABLE ENERGY STANDARD compliance	for GREEN PRICING programs	Small Scale	SOLAR Non-small scale	
		Wind	98,106				
		Wind	43,396				
		Wind	41,305				
		Wind	429,775				
		Wind	604				
		Wind	48,196				
		Wind	22,175				
		Wind	58,808				
		Wind	186,116				
		Wind	107,584				
		Wind	5,051				
		Wind	16,619				
		Wind	308,347				
		Wind	28,696				
		Wind	299,356				
		Wind	55,089				
		Wind	3,378				
		Wind	183,932				
		Wind	3,372				
		Wind	2,844				
		Wind	4,604				
		Wind	125,889				
		Wind	205,402				
		Wind	55,745				
		Wind	534				
		Wind	201,068				
		Wind	194,058				
		Wind	168,540				
		Wind	40,645				
		Wind	366,149				
		Wind	433,528				
		Wind	39,728				
		Wind	31,192				
		Wind	33,943				
		Wind	610,441				
		Wind	2,513				
		Wind	20,957				
		Wind	793,305				
		Wind	481,714				
		Wind	77,414				
		Wind	4,818				
		Wind	57,861				
		Wind	5,002				
		Wind	5,184				
		Wind	8				
		Wind	24,896				
		Wind	14,965				
		Wind	11,544				
		Wind	26,854				
		Wind	27,637				
		Wind	18,076				
		Wind	3,451				
		Wind	3,176				
		Wind	35,770				
		Wind	2,093				
		Wind	49,220				
		Wind	60,515				
NOT PUBLIC DATA ENDS							

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Renewable Energy Certificate Fund, Biennial Report for  
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

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Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85	Attachment 6
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2021 - December 31, 2021
<b>Biennial Compliance reporting</b>	
Please report the following items in compliance with the PUC May 28, 2013 Order in Docket No. E999/M-12-958	

RES Ordering Point

**4.A. & 5.H. The year through which the utility can maintain compliance with its current renewable portfolio\***

Beyond 2040

\*Include banked Renewable Energy Credits (RECs)

**4.B. & 5.I.**

**Projected RES compliance for the current plus three (3) upcoming years.**

Year	Actual/Projected MN retail sales (MWh)	RES Req.(%)	RES Req. (MWh)	Projected Resources (MWh)	Projected Surplus/ (Deficit) (MWh)
	[NOT PUBLIC DATA BEGINS]		[NOT PUBLIC DATA BEGINS]		
2022		30%			
2023		30%			
2024		30%			
2025		30%			
[NOT PUBLIC DATA ENDS]			[NOT PUBLIC DATA ENDS]		

**5.E.2 & 5.F. Identify other State Renewable Standards or Objectives to which the utility is subject, and the percentage of renewable energy allocated to meet the renewable requirements.**

State	RES Req. (MWh)	RES Req. (%)	Percent of utility's total system renewable generation apportioned to this state (%) *
WI	858,032	12.89%	16.36%
MI	20,614	15%	0.34%
SD	214,473	10% Voluntary	5.33%
ND	0	Voluntary	5.29%

\*apportionment of renewable energy should reflect each state's percentage of the utility's total system sales.

**5.E.3 (i)**

**The status of the utility's renewable energy mix relative to the objective & standards.**

The Company's overall renewable energy mix exceeds the renewable portfolio standard (RPS) obligations for the state of Minnesota, and other states it operates in, and is sufficiently able to comply with these increasing requirements. The Company continues to increase its renewable energy mix, primarily in wind and solar, to take advantage of cost-effective resource additions and to decrease carbon emissions.

**5.E.3(ii)**

**Efforts taken to meet the objective and standards**

In 2021, we added 650 MW of renewable generation capacity to our system and the Company continues to exceed our RES mandate for Minnesota. As approved in our most recent Upper Midwest Integrated Resource Plan, we will continue to add of renewable energy in the coming years.

**5.E.3(iii)**

**Obstacles encountered or anticipated in meeting the objective or standards**

The annual Renewable Portfolio Standard (RPS) percentage rate and overall renewable requirement for Xcel Energy has significantly increased over the past several years. At the same time, the Company has been able to take advantage of cost-effective renewable resource additions to meet and exceed its compliance obligations.

**5.E.3(iv)**

**Potential solutions to the obstacles**

The Company is currently positioned to meet and exceed our compliance obligations.

**5.G.**

**List any renewable generation facilities expected to become operational during the upcoming year**

Facility Name	Type	Capacity (MW)	MISO Capacity Accreditation	Expected Comm'l Operation Date
Heartland Divide Wind II, LLC	Wind	200 MW	32 MW	April 2022
Dakota Range 1&2	Wind	300 MW	49 MW	Jan 2022
Ewington (repower)	Wind	20 MW	3 MW	Sept 2022
Northern Wind (repower)	Wind	120 MW	19 MW	Dec 2022

Note: As stated in our March 7, 2022 Letter in Docket Nos. E002/M-19-33 and E002/M-21-222, we currently expect that construction of the Elk Creek solar facility and the associated commercial operation date will likely be delayed until 2024. Therefore, we have removed Elk Creek Solar LLC from this list. We will continue to update the Commission on this project.

**5.K.**

**Identify efforts taken to adequately protect against undesirable economic impacts on ratepayers, including, but not limited to keeping customer's bills and the utility's rates as low as practicable, given regulatory and other constraints.**

The Company continues to take advantage of opportunities as these are identified and determined to be beneficial to our customers.

**SES Utilities Only**

**Ongoing efforts to meet SES objective and a brief summary of project mix for SES compliance.**

See the "Summary of ongoing efforts to obtain solar energy, including a brief summary of the anticipated mix of project sizes for SES compliance" section within the Compliance Report on page 4.

**Discussion on efforts to reach the 2030 goal that 10% of MN retail sales be generated by solar energy (Attach A, 14)**

As noted in our filing, the Company already exceeds the current 1.5% requirement and we have substantial SRECs banked. We expect our REC bank to carry us through several more years of demonstrated solar compliance and provide partial fulfillment of the 10% goal. In order to increase solar generation so that we may meet the goal on an ongoing basis, the Company plans to add substantial amounts of solar generation to our portfolio in the coming years, as approved in our recent 2020-2034 Integrated Resource Plan. We will continually review the need for additional solar resources in our future resource plans, in order to achieve the goal long-term.

**SES - A summary of progress toward compliance with the ten percent carve out for systems under 40 kW.**

See the "Progress towards the 10% carve-out for systems 40 kWac or less, including the method by which the utility will meet the carve-out" section within the Compliance Report on page 4.

PUBLIC DOCUMENT  
NOT PUBLIC DATA HAS BEEN EXCISED

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

Docket Nos. E999/PR-02-1240  
E999/PR-22-12  
E999/M-22-85  
Attachment A, Page 15 of 15

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85		<b>Attachment 7</b>	
Minnesota Department of Commerce: Docket No. E999/PR-02-1240		Reporting Period: <b>January 1, 2021 - December 31, 2021</b>	
<b>M-RETS RECs Bought and Sold</b>			
Ordering pt. 4C requires reporting REC sales & purchases for the 2 preceding calendar years			
REC Purchases Total		227,740	
REC Sales Total		0	
Enter REC data for the 2 preceding calendar years.			
Wholesale REC Purchases	Wholesale REC Sales	PRICE	Type of purchase
227,740		\$4.15	For Green Pricing
MN Windsource REC Purchase			

## **CERTIFICATE OF SERVICE**

I, Christine Schwartz, hereby certify that I have this day served copies or summaries of the foregoing document on the attached list of persons.

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

xx electronic filing

**DOCKET NOS. E999/PR-02-1240**  
**E999/PR-22-12**  
**E999/M-22-85**

Dated this 1st day of June 2022

/s/

---

Christine Schwartz  
Regulatory Administrator



[illegible]

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Joe	Hoffman	ja.hoffman@smmpa.org	SMMPA	500 First Ave SW Rochester, MN 55902-3303	Electronic Service	No	OFF_SL_2-1240_Official
Nate	Jones	njones@hcpd.com	Heartland Consumers Power	PO Box 248 Madison, SD 57042	Electronic Service	No	OFF_SL_2-1240_Official
Tim	McCarthy	Tim.McCarthy@siouxvalley energy.com	Sioux Valley Southwestern Electric Cooperative, Inc. d/b/a Sioux Valley Energy	N/A	Electronic Service	No	OFF_SL_2-1240_Official
Scot	McClure	scotmcclure@alliantenergy. com	Interstate Power And Light Company	4902 N Biltmore Ln PO Box 77007 Madison, WI 537071007	Electronic Service	No	OFF_SL_2-1240_Official
John	McWilliams	John.McWilliams@Dairyland Power.com	Dairyland Power Cooperative	3200 East Ave SPO Box 817 La Crosse, WI 54601-7227	Electronic Service	No	OFF_SL_2-1240_Official
David	Niles	david.niles@avantenergy.c om	Minnesota Municipal Power Agency	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_2-1240_Official
David	Raatz	draatz@bepc.com	Basin Electric Power Cooperative	1717 East Interstate Avenue Bismarck, ND 58501	Electronic Service	No	OFF_SL_2-1240_Official
Mark	Rathbun	mrathbun@greenergy.com	Great River Energy	12300 Elm Creek Blvd Maple Grove, MN 55369	Electronic Service	No	OFF_SL_2-1240_Official
Michael	Reinertson	michael.reinertson@avante nergy.com	Avant Energy	220 S. Sixth St. Ste 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_2-1240_Official
Generic Notice	Residential Utilities Division	residential.utilities@ag.stat e.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	No	OFF_SL_2-1240_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Kay	Schraeder	kschraeder@minnkota.com	Minnkota Power	5301 32nd Ave S Grand Forks, ND 58201	Electronic Service	No	OFF_SL_2-1240_Official
J.P.	Schumacher	jps@mrenergy.com	Missouri River Energy Services	N/A	Electronic Service	No	OFF_SL_2-1240_Official
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_2-1240_Official
Trevor	Smith	trevor.smith@avantenergy.com	Avant Energy, Inc.	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_2-1240_Official
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_2-1240_Official
Michael	Volker	mvolker@eastriver.coop	East River Electric Power Coop	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_2-1240_Official

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Derek	Bertsch	derek.bertsch@mrenergy.com	Missouri River Energy Services	3724 West Avera Drive PO Box 88920 Sioux Falls, SD 57109-8920	Electronic Service	No	OFF_SL_22-12_PR-22-12
Jon	Brekke	jbrekke@grenergy.com	Great River Energy	12300 Elm Creek Boulevard  Maple Grove, MN 553694718	Electronic Service	No	OFF_SL_22-12_PR-22-12
Richard	Burud	rgburud@msn.com	Southern Minnesota Energy Cooperative	31110 Cooperative Way  Rushford, MN 55971	Electronic Service	No	OFF_SL_22-12_PR-22-12
LORI	CLOBES	lclobes@mienergy.coop	MiEnergy Cooperative	31110 COOPERATIVE WAY PO BOX 626 RUSHFORD, MN 55971	Electronic Service	No	OFF_SL_22-12_PR-22-12
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_22-12_PR-22-12
Curt	Dieren	curt.dieren@dgr.com	L&O Power Cooperative	1302 S Union St  Rock Rapids, IA 51246	Electronic Service	No	OFF_SL_22-12_PR-22-12
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_22-12_PR-22-12
Ronald J.	Franz	ronald.franz@dairylandpower.com	Dairyland Power Cooperative	3200 East Ave S PO Box 817 La Crosse, WI 546020817	Electronic Service	No	OFF_SL_22-12_PR-22-12
Joe	Hoffman	ja.hoffman@smmpa.org	SMMPA	500 First Ave SW  Rochester, MN 55902-3303	Electronic Service	No	OFF_SL_22-12_PR-22-12
Casey	Jacobson	cjacobson@bepc.com	Basin Electric Power Cooperative	1717 East Interstate Avenue  Bismarck, ND 58501	Electronic Service	No	OFF_SL_22-12_PR-22-12

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Nate	Jones	njones@hcpd.com	Heartland Consumers Power	PO Box 248 Madison, SD 57042	Electronic Service	No	OFF_SL_22-12_PR-22-12
Brian	Krambeer	bkrambeer@mienergy.coop	MiEnergy Cooperative	PO Box 626 31110 Cooperative Way Rushford, MN 55971	Electronic Service	No	OFF_SL_22-12_PR-22-12
Sara G	McGrane	smcgrane@felhaber.com	Felhaber Larson	220 S 6th St Ste 2200 Minneapolis, MN 55420	Electronic Service	No	OFF_SL_22-12_PR-22-12
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_22-12_PR-22-12
Ben	Nelson	benn@cmpasgroup.org	CMMPA	459 South Grove Street Blue Earth, MN 56013	Electronic Service	No	OFF_SL_22-12_PR-22-12
Samantha	Norris	samanthanorris@alliantenergy.com	Interstate Power and Light Company	200 1st Street SE PO Box 351 Cedar Rapids, IA 524060351	Electronic Service	No	OFF_SL_22-12_PR-22-12
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John	Richards	johnrichards@nweco.com	Northwestern Wisconsin Electric Company	104 S. Pine St. Grantsburg, WI 54840	Electronic Service	No	OFF_SL_22-12_PR-22-12
Robert K.	Sahr	bsahr@eastriver.coop	East River Electric Power Cooperative	P.O. Box 227 Madison, SD 57042	Electronic Service	No	OFF_SL_22-12_PR-22-12
Kay	Schraeder	kschraeder@minnkota.com	Minnkota Power	5301 32nd Ave S Grand Forks, ND 58201	Electronic Service	No	OFF_SL_22-12_PR-22-12

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Trevor	Smith	trevor.smith@avantenergy.com	Avant Energy, Inc.	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_22-12_PR-22-12
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7  Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_22-12_PR-22-12
Carol	Westergard	cwestergard@otpc.com	Otter Tail Power Company	215 S Cascade St  Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_22-12_PR-22-12

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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_22-85_M-22-85
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Casey	Jacobson	cjacobson@bepc.com	Basin Electric Power Cooperative	1717 East Interstate Avenue  Bismarck, ND 58501	Electronic Service	No	OFF_SL_22-85_M-22-85
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Robert K.	Sahr	bsahr@eastriver.coop	East River Electric Power Cooperative	P.O. Box 227  Madison, SD 57042	Electronic Service	No	OFF_SL_22-85_M-22-85
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J.P.	Schumacher	jps@mrenergy.com	Missouri River Energy Services	N/A	Electronic Service	No	OFF_SL_22-85_M-22-85
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Carol	Westergard	cwestergard@otpc.com	Otter Tail Power Company	215 S Cascade St Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_22-85_M-22-85
Todd	Wicklund	twicklund@bpu.org	Brainerd Public Utilities	8027 Highland Scenic Road PO Box 373 Brainerd, MN 56401	Electronic Service	No	OFF_SL_22-85_M-22-85