

Instructions

Minnesota Public Utilities Commission
Docket No. E999/PR-21-12

Minnesota Department of Commerce
Docket No. E999/PR-02-1240

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

REC Retirement Compliance Reporting

Due: June 1st, 2021

For the Reporting Period:

January 1, 2020 - December 31, 2020*

*Exception for Worksheet 6: **Ordering pt. 4C** requires reporting REC sales & purchases for the **2 preceding calendar years**.

Instructions

Note: items in red indicate changes in reporting from previous year

Complete the following worksheets and e-file in **Excel (XLS or XLSX)** format:

- Worksheet 1, Utility Info
- Worksheet 2, Renewable Energy Standard Retail Sales
- Worksheet 3, Green Pricing Program Retail Sales
- Worksheet 4, Solar Energy Standard Retail Sales**
- Worksheet 5, RES, **SES**, GP REC Retirements
- Worksheet 6, RECs Bought and Sold During the Reporting Period

To e-file, login, or register, at: <https://www.edockets.state.mn.us/EFiling/home.jsp>

For directions on how to e-file, see: <http://www.commerce.state.mn.us/eDocFile/eFilingHelp.html>

For questions about Renewable Energy Certificate retirement or compliance with Renewable Energy Standards, contact Kelly Martone at 651-201-2245 or at kelly.martone@state.mn.us.

For questions about Green Pricing or about filling out this spreadsheet, send an email to: Clean.Energy@state.mn.us.

For questions about e-filing, contact the Regulatory Information Center:

Regulatory.Information.Center.COMM@state.mn.us

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

Minnesota Public Utilities Commission: Docket No. E999/PR-21-12	Reporting Period: January 1, 2020 - December 31, 2020	Attachment 2
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Utility: Minnesota Power Co	
Total Retail Sales to Minnesota Customers and Renewable Energy Certificate (REC) Retirement Requirements for RENEWABLE ENERGY STANDARD Compliance		

Retail Sales Total	8,436,203
RES Percentage Obligation	20%
RECs Required to be Retired	1,687,241
Actual RECs Retired	1,687,241

Enter current reporting year data.

Utility ID #	Utility	Retail Sales Amount (MWh)	Notes
68	Minnesota Power Co.	8,436,203	MN Retail Sales by reporting utility

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

Minnesota Public Utilities Commission: Docket No. E999/PR-21-12	Attachment 3
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2020 - December 31, 2020
	Utility: Minnesota Power Co
GREEN PRICING Program Sales	

TOTAL GREEN PRICING Sales (MWh)	1,324
RECS retired for GREEN PRICING programs	1,324

List the cumulative retail sales of green pricing electricity, including utility-managed community solar, and the number of customers as of December 31, 2020.						
Utility ID # <small>(on Worksheet 1)</small>	Utility Name	Program Name	No. of Program Customers	Program Sales (MWh)	Retail Rate (\$/kWh)	Notes
68	Minnesota Power Co	WindSense	124	1,324		MN Retail Sales by reporting utility

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

List the cumulative retail sales of green pricing electricity, including utility-managed community solar, and the number of customers as of December 31, 2020.

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

Retail Sales Total	7,889,945
SES Excluded Retail Sales	4999280
SES Retail Sales Obligation	2,890,666
SES Total Percentage Obligation	1.50%
SES Small Scale obligation	0.15%
Non-Small Scale obligation	1.35%
Total SRECs Required to be Retired	43,360
Small SRECs to be retired	4,336
Non-Small Scale to be retired	39,024
Total Actual RECs Retired	43,360
Total actual small SRECs retired	4,336
Total actual non-Small Scale retired	39,024

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 Resources (MWh)	Projected Small Scale Resources (MWh)	Projected Non-Small Scale Resources (MWh)	Projected Total Surplus/ (Deficit) (MWh)	Projected Surplus/ (Deficit) (MWh)	Projected Surplus/ (Deficit) (MWh)
2020	2,890,666	43,360	4,336	39,024	78347	12358	65989	34,987	8,022	26,965
2021	3,024,599	45369	4537	40832	56029	12707	43322	10660	8170	2490
2022	2,987,044	44806	4481	40325	40805	13082	27723	-4001	8601	-12602
2023	2,984,458	44767	4477	40290	57889	13613	44276	13123	9137	3986

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

As an integral part of *Energy Forward*, Minnesota Power is further diversifying its renewable energy options with solar energy generation. For example, the Company worked with the Minnesota National Guard to build a 10 MW solar energy project on the grounds of Camp Ripley near Little Falls, Minnesota, in 2016. The Camp Ripley Solar Project is the largest solar energy installation at any National Guard base in the United States, and helps meet the Department of Defense's resiliency and energy security goals. Minnesota Power is currently working on adding approximately 20 MW of additional solar generation in 2022, which would satisfy its Minnesota Solar Energy Standard ("SES") requirements and aid in the local economic recovery from the COVID-19 pandemic. In addition, Minnesota Power's SolarSense and community solar garden programs have added small scale solar resources to meet the SES's 10 percent carve out requirements for systems under 40 kW. In addition, Minnesota Power's 2021 IRP Plan proposes the addition of 200 MW of new solar resources by 2030, which is subject to Commission approval.

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RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-21-12	Reporting Period: January 1, 2020 - December 31, 2020	Attachment 5
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Utility: Minnesota Power Co	
Renewable Energy Certificate Retirements for Renewable Energy Standards and Green Pricing Programs		

Renewable Energy Standard REC Retirement Account Name:	2020 Minnesota Power MN RES/SES Compliance; 2020 Minnesota Power MN SES Small Solar Compliance
Green Pricing REC Retirement Account Name:	2020 Minnesota Power Green Pricing

Total RECs or SRECs			1,687,241	1,324	4,336	39,024	1 REC = 1 MWh
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	<u>Small Scale</u> SOLAR ENERGY STANDARD compliance	<u>Non-small scale</u> SOLAR ENERGY STANDARD compliance	
M653	Crystal Lake - Crystal Lake Wind III, LLC	Wind		1324			
M997	Aggregation: MP DG Solar <20 kW - MP I Solar				165		
M995	Made in MN DG Solar <20 kW - MiM DG Solar				74		
M1471	Made in MN DG Solar <40 kW - MiM DG Solar				669		
M996	Made in MN DG Solar >20 kW - MiM DG Solar				108		
M1473	MP DG Solar <40 kW				3320		
M1063	Camp Ripley Solar - Camp Ripley Solar	Solar				39,024	
M641	Bison Wind - Bison Wind	Wind	976596				
M648	Blanchard Hydro - Blanchard Hydro 123	Hydroelectric Water	69234				
M378	Fond Du Lac Hydro - Fond Du Lac Hydro	Hydroelectric Water	43686				
M518	Hibbard Energy Center - Hibbard 4	Biomass	2211				
M407	Knife Falls Hydro - Knife Falls Hydro	Hydroelectric Water	8247				
M302	Laurie River 1 - Laurie River 1	Hydroelectric Water	87				
M303	Laurie River 2 - Laurie River 2	Hydroelectric Water	82				
M409	Little Falls Hydro Station - Little Falls Hyd	Hydroelectric Water	18100				
M305	McArthur Falls - McArthur Falls	Hydroelectric Water	1474				
M541	Oliver Wind 12 - Oliver County Wind 12	Wind	219014				
M410	Pillager Hydro Station - Pillager Hydro	Hydroelectric Water	6965				
M304	Pine Falls - Pine Falls	Hydroelectric Water	2460				
M307	Pointe du Bois - Pointe du Bois	Hydroelectric Water	859				
M412	Prairie River Hydro Station - Prairie River	Hydroelectric Water	2541				
M414	Rapids Energy Center - Rapids Energy Ce	Hydroelectric Water	55448				
M418	Scanlon Hydro Station - Scanlon Hydro	Hydroelectric Water	5761				
M306	Slave Falls - Slave Falls	Hydroelectric Water	1689				
M419	Sylvan Hydro Station - Sylvan Hydro	Hydroelectric Water	6767				
M480	Tac Ridge Wind - Taconite Ridge Wind	Wind	37109				
M924	Thomson Hydro - Thomson Hydro	Hydroelectric Water	212006				
M310	Wing River - Wing River	Wind	2220				
M420	Winton Hydro Station - Winton Hydro	Hydroelectric Water	14685				

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Minnesota Public Utilities Commission: Docket No. E999/PR-21-12 Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2020 - December 31, 2020 Utility: Minnesota Power Co	Attachment 6
M-RETS RECs Bought and Sold Ordering pt. 4C requires reporting REC sales & purchases for the 2 preceding calendar years		

REC Purchases Total	0
REC Sales Total	0

Enter REC data for the 2 preceding calendar years.

Wholesale REC Purchases	Wholesale REC Sales	PRICE	Type of purchase	NOTES
Empty table body for data entry				