

Instructions

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

Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs REC Retirement Compliance Reporting

Due: June 1st, 2022

For the Reporting Period:

January 1, 2021 - December 31, 2021*

*Exception for Worksheet 7: **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 (RES)
- Worksheet 3, Green Pricing Program Retail Sales (GP)
- Worksheet 4, Solar Energy Standard Retail Sales (SES)
- Worksheet 5, RES, SES, and Green Pricing Program REC Retirements
- Worksheet 6, Biennial Compliance Reporting Requirements**
- Worksheet 7, 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 Michelle Rosier, at michelle.rosier@state.mn.us or (651) 201-2212 or Trey Harsch, at trey.harsch@state.mn.us or (651) 201-2232

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, email efiling.admin@state.mn.us

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		

FILING UTILITY INFORMATION		CONTACT INFORMATION	
Company ID #	69	Contact Name	Kay Schraeder
Company Name	Minnkota Power Cooperative, Inc.	Contact Title	Vice President and CFO
Street Address Line 1	5301 32nd Ave. S	Contact Telephone	701-795-4266
Street Address Line 2		Contact E-Mail	kschraeder@minnkota.com
City	Grand Forks	COMMENTS/NOTES	
State	ND		
Zip Code	58201		

Filing for RENEWABLE ENERGY STANDARDS on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
Beltrami Electric Cooperative	Bagley Public Utilities		
Clearwater-Polk Electric Coop	Baudette Municipal Utilities		
North Star Electric Cooperative	Fosston Municipal Utilities		
PKM Electric Cooperative	Halstad Municipal Utilities		
Red Lake Electric Cooperative	Hawley Public Utilities		
Red River Valley Coop Power	Roseau Municipal Utilities		
Roseau Electric Cooperative	City of Stephen Utilities		
Wild Rice Electric Cooperative	Thief River Falls Municipal Utilities		
	City of Warren Water and Light		
	Warroad Municipal Utilities		

Filing for GREEN PRICING PROGRAMS on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
Beltrami Electric Cooperative	Bagley Public Utilities		
Clearwater-Polk Electric Coop	Baudette Municipal Utilities		
North Star Electric Cooperative	Fosston Municipal Utilities		
PKM Electric Cooperative	Halstad Municipal Utilities		
Red Lake Electric Cooperative	Hawley Public Utilities		
Red River Valley Coop Power	Roseau Municipal Utilities		
Roseau Electric Cooperative	City of Stephen Utilities		
Wild Rice Electric Cooperative	Thief River Falls Municipal Utilities		
	City of Warren Water and Light		
	Warroad Municipal Utilities		

Filing for SOLAR ENERGY STANDARD on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name

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	1,491,225
RES Percentage Obligation	20%
RECs Required to be Retired	298,245
Actual RECs Retired	298,245

Enter current reporting year
data.

Utility ID #	Utility	Retail Sales Amount (MWh)	Notes
69	Minnkota Power Cooperative		Minnkota is reporting on behalf of the following eight Minnesota distribution cooperatives
29	Beltrami Electric Cooperative	424,846	Reflects subtraction for Minnesota WAPA sales
8	Clearwater-Polk Electric Coop	64,306	Reflects subtraction for Minnesota WAPA sales
83	North Star Electric Cooperative	93,527	Reflects subtraction for Minnesota WAPA sales
25	PKM Electric Cooperative	97,834	Reflects subtraction for Minnesota WAPA sales
94	Red Lake Electric Cooperative	102,670	Reflects subtraction for Minnesota WAPA sales
95	Red River Valley Coop Power Assoc.	102,100	Reflects subtraction for Minnesota WAPA sales
100	Roseau Electric Cooperative	128,540	Reflects subtraction for Minnesota WAPA sales
127	Wild Rice Electric Cooperative	227,683	Reflects subtraction for Minnesota WAPA sales
3005	Northern Municipal Power Agency		Minnkota is reporting on behalf of Northern Municipal Power Agency who has the following ten Minnesota municipal participants
147	Bagley Public Utilities	23,632	
28	Baudette Municipal Utilities	19,365	
170	Fosston Municipal Utilities	14,831	Reflects subtraction for Minnesota WAPA sales
46	Halstad Municipal Utilities	2,204	Reflects subtraction for Minnesota WAPA sales
47	Hawley Public Utilities	10,968	Reflects subtraction for Minnesota WAPA sales
101	Roseau Municipal Utilities	35,685	
222	City of Stephen Utilities	942	Reflects subtraction for Minnesota WAPA sales
115	Thief River Falls Municipal Utilities	77,633	Reflects subtraction for Minnesota WAPA sales
124	City of Warren Water and Light	2,659	Reflects subtraction for Minnesota WAPA sales
77	Warroad Municipal Utilities	61,800	

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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)		1,368
RECS retired for GREEN PRICING programs	2022	1,369

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
29	Beltrami Electric Cooperative	Infinity Wind	58	479	0.07590	
8	Clearwater-Polk Electric Cooperative	Infinity Wind	40	102	0.07514	
83	North Star Electric Cooperative	Infinity Wind	21	78	0.07876	
25	PKM Electric Cooperative	Infinity Wind	5	55	0.07817	
94	Red Lake Electric Cooperative	Infinity Wind	18	62	0.08203	
95	Red River Valley Coop. Power Assoc.	Infinity Wind	28	80	0.08067	
100	Roseau Electric Cooperative	Infinity Wind	16	55	0.07514	
127	Wild Rice Electric Cooperative	Infinity Wind	56	261	0.08185	
147	Bagley Public Utilities	Infinity Wind	11	85	0.07854	
46	Halstad Municipal Utilities	Infinity Wind	2	7	0.08210	
47	Hawley Public Utilities	Infinity Wind	7	31	0.08119	
115	Thief River Falls Municipal Utilities	Infinity Wind	6	26	0.07945	
77	Warroad Municipal Utilities	Infinity Wind	9	47	0.06800	

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

Retail Sales Total	
SES Excluded Retail Sales	
SES Retail Sales Obligation	0
SES Total Percentage Obligation	1.50%
SES Small Scale obligation	0.15%
Non-Small Scale obligation	1.35%
Total SRECs Required to be Retired	0
Small SRECs to be retired	0
Non-Small Scale to be retired	0
Total Actual RECs Retired	0
Total actual small SRECs retired	0
Total actual non-Small Scale retired	0

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 less than 40kW (MWh)	Projected SRECs greater than 40kW (MWh)	Projected Total Surplus/ (Deficit) (MWh)	Projected SREC Surplus/(Deficit) less than 40 kW (MWh)	Projected SREC Surplus/(Deficit) greater than 40 kW (MWh)
2019		0	0	0				0	0	0
2020		0	0	0				0	0	0
2021		0	0	0				0	0	0
2022		0	0	0				0	0	0

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

	Number of Facilities on Utility System	Capacity	Number registered in M-RETS	Capacity registered in M-RETS	SRECs Generated
Less than 40kW					
Generation from eligible CSG subscriptions					
Greater than 40kW					

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Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85	Attachment 4
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:	Minnkota Power Cooperative for MN RPS 2021
Green Pricing REC Retirement Account Name:	Minnesota 2021 Green Pricing

Total RECs or SRECs			298,245	1,369	0	0	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 <u>Small Scale</u> SOLAR ENERGY STANDARD compliance	SRECs retired for <u>Non-small scale</u> SOLAR ENERGY STANDARD compliance	NOTES
M526	Ashtabula Wind PPA2	Wind	71,597				
M489	Ashtabula Wind	Wind	36,080				
M549	Ashtabula Wind II	Wind	75,669				
M200	Infinity Petersburg	Wind	2,564				
M199	Infinity Valley City	Wind	1,742				
M201	Langdon Wind Farm	Wind	50,444				
M475	Langdon Wind II	Wind	55,889				
M1193	Oliver Wind III	Wind	4,260	1,369			

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

Biennial Compliance reporting

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*

2045

*Include banked Renewable Energy Credits (RECs)

4.B. & 5.I. Projected RES compliance for the current plus three (3) upcoming years. Include banked REC's.

Year	Actual/Projected MN retail sales (MWh)	RES Req.(%)	RES Req. (MWh)	Projected Resources (MWh)	Projected Surplus/ (Deficit) (MWh)
2022	1,794,473	20%	358,895	1,688,753	1,329,858
2023	1,818,763	20%	363,753	1,688,753	1,325,000
2024	1,839,326	20%	367,865	1,688,753	1,320,888
2025	1,861,498	25%	465,375	1,688,753	1,223,378

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 (%)*
Not Applicable.			

*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.
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Minnkota and Northern's existing renewable resources consist of the following:

		<u>kW</u>	<u>Vintage</u>
Langdon, ND	Wind PPA	139,500	2008

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Ashtabula, ND	Wind PPA	148,500	2009
Ashtabula II, ND	Wind PPA	69,000	2009
Oliver III, ND	Wind PPA	99,300	2016
Subtotal		456,300	
Infinity - Valley City	Wind	900	2002
Infinity - Petersburg	Wind	900	2002
Fargo Landfill, ND	Biomass	800	2009
		458,600	

5.E.3(ii)

Efforts taken to meet the objective and standards

The following table depicts Minnkota and Northern's total retail sales in Minnesota and respective REC's retired for 2008-2019.

<u>Year</u>	<u>Minnkota MWhs</u>	<u>Northern MWhs</u>	<u>Total MWhs</u>	<u>MN REO/RES %</u>	<u>REC's Retired</u>
2008	1,468,508	382,398	1,850,906	1%	18,509
2009	1,493,481	377,316	1,870,797	1%	18,708
2010	1,269,592	257,180	1,526,772	7%	106,874
2011	1,284,104	257,918	1,542,022	7%	107,942
2012	1,220,416	241,074	1,461,490	12%	175,379
2013	1,358,442	259,658	1,618,100	12%	194,172
2014	1,420,940	271,776	1,692,716	12%	203,126
2015	1,279,655	254,709	1,534,364	12%	184,124
2016	1,268,644	248,879	1,517,523	17%	257,979
2017	1,256,600	243,670	1,500,270	17%	255,046
2018	1,330,536	252,625	1,583,161	17%	269,137
2019	1,344,044	246,611	1,590,655	17%	270,411
2020	1,290,768	244,791	1,535,559	20%	307,112
2021	1,241,506	249,719	1,491,225	20%	298,245

5.E.3(iii)

Obstacles encountered or anticipated in meeting the objective or standards

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Minnkota has not encountered any obstacles in meeting the Minnesota Renewable Energy Standard. As of December 31, 2021, the Minnkota and Northern joint system had wind generation that accounted for over 30% of its member's retail sales. These wind resources are sufficient to meet the renewable energy mandates in Minnesota.

5.E.3(iv)

Potential solutions to the obstacles

Not Applicable.

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

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.

Minnkota has secured long-term renewable wind purchase contracts that are sufficient to meet the Minnesota mandate requirements each year. However, this has put Minnkota in a surplus situation in the near term with its generation resources, including wind, being greater than its member load for parts of the year. Minnkota has negotiated long-term firm sales contracts with several regional utilities to sell a portion of its surplus power at higher than short-term market rates. This action has mitigated some of the undesirable economic impacts on the Minnkota/Northern joint system rate payers.

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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
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	1,530,000

Enter REC data for the 2 preceding calendar years.				
Wholesale REC Purchases	Wholesale REC Sales	PRICE	Type of purchase	NOTES
	50,000	1.05		2020
	50,000	1.1		2020
	100,000	1.25		2020
	100,000	1.3		2020
	50,000	1.5		2020
	50,000	1.25		2020
	100,000	1.32		2020
	100,000	1.4		2020
	100,000	1.45		2020
	100,000	1.7		2021
	100,000	1.75		2021
	100,000	2.05		2021
	100,000	3		2021
	430,000	3		2021