

Instructions

Minnesota Public Utilities Commission
Docket No. E999/PR-20-12
Docket No. E999/M-20-283

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, 2020

For the Reporting Period:

January 1, 2019 - December 31, 2019*

*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, RES & Green Pricing REC Retirements
- Worksheet 5, Biennial Compliance Reporting**
- 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 Karen Santori at 651-539-1530 or at karen.santori@state.mn.us.

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

Minnesota Public Utilities Commission: Docket No. E999/PR-20-12, Docket No. E999/M-20-283	Attachment 1
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2019 - December 31, 2019
Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs	

Report Year: 2019	Date Submitted:
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FILING UTILITY INFORMATION		CONTACT INFORMATION	
Company ID #	121	Contact Name	Mark Rathbun
Company Name	Great River Energy	Contact Title	Manager, Renewable Resources
Street Address Line 1	12300 Elm Creek Blvd	Contact Telephone	763.445.6104
Street Address Line 2		Contact E-Mail	mrathbun@grenergy.com
City	Maple Grove	COMMENTS/NOTES	
State	MN		
Zip Code	55369		

Filing for RENEWABLE ENERGY STANDARDS on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
Agralite Cooperative	Lake Country Power	Todd Wadena Electric Coop	
Arrowhead Electric Coop, Inc	Lake Region Electric Coop	Wright-Hennepin Cooperative Electric Association	
Benco Electric Cooperative	McLeod Coop Power Assn	Willmar Municipal Utilities	
Brown Co Rural Electric Assn	Meeker Coop Light & Power Assn		
Connexus Energy	Mille Lacs Electric Coop		
Cooperative Light & Power	Minnesota Valley Electric Coop		
Crow Wing Coop Power & Light, Inc	Nobles Cooperative Electric		
Dakota Electric Assn	North Itasca Electric Co-op, Inc.		
East Central Energy	Redwood Electric Coop		
Federated Rural Electric Assn	Runestone Electric Assn		
Goodhue County Coop Electric Assn	South Central Electric Assn		
Itasca Mantrap Coop Electric Assn	Stearns Coop Electric Assn		
Kandiyohi Power Coop	Steele Waseca Coop Electric		

Filing for GREEN PRICING PROGRAMS on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
Agralite Cooperative	Kandiyohi Power Coop	Steele Waseca Coop Electric	
Arrowhead Electric Coop, Inc	Lake Country Power	Todd Wadena Electric Coop	
Benco Electric Cooperative	Lake Region Electric Coop	Wright-Hennepin Cooperative Electric Association	
Brown Co Rural Electrical Assn	McLeod Coop Power Assn		
Connexus Energy	Meeker Coop Light & Power Assn		
Cooperative Light & Power	Mille Lacs Electric Coop		
Crow Wing Coop Power & Light, Inc.	Minnesota Valley Electric Coop		
Dakota Electric Assn	Nobles Cooperative Electric		
East Central Energy	North Itasca Electric Co-op, Inc.		
Federated Rural Electric Assn	Redwood Electric Coop		
Goodhue County Coop Electric Assn	Runestone Electric Assn		
Itasca Mantrap Coop Electric Assn	South Central Electric Assn		
	Stearns Coop Electric Assn		

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

Minnesota Public Utilities Commission: Docket No. E999/PR-20-12, Docket No. E999/M-20-283	Attachment 2
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2019 - December 31, 2019
Total Retail Sales to Minnesota Customers and Renewable Energy Certificates Required to be Retired for RENEWABLE ENERGY STANDARD Compliance	

Retail Sales Total	10,550,858
RES Percentage Obligation	17%
RECs Required to be Retired	1,793,646
Actual RECs Retired	1,793,652

Enter current reporting year
data.

Utility ID #	Utility	Retail Sales Amount (MWh)	Notes
1	Agralite Cooperative	112512.1489	Retail sales are based on GRE's wholesale sales to this Fixed Oblig
4	Arrowhead Electric Coop, Inc	75,135	
10	Benco Electric Cooperative	293,952	
6	Brown Co Rural Electrical Assn	101,145	
26	Connexus Energy	1,942,537	
9	Cooperative Light & Power	102,857	
35	Crow Wing Coop Power & Light, Inc.	411,850	Retail sales are based on GRE's wholesale sales to this Fixed Oblig
15	Dakota Electric Assn	1,795,026	
16	East Central Energy	891,869	ECE retail sales amount excludes WI customer sales
40	Federated Rural Electric Assn	125,149	Retail sales are based on GRE's wholesale sales to this Fixed Oblig
43	Goodhue County Coop Electric Assn	97,370	
18	Itasca Mantrap Coop Electric Assn	196,971	
19	Kandiyohi Power Coop	134,028	Includes all sales for resale of this cooperative
14	Lake Country Power	633,235	Includes all sales for resale of this cooperative
59	Lake Region Electric Coop	386,699	
64	McLeod Coop Power Assn	159,391	
66	Meeker Coop Light & Power Assn	106,015	Retail sales are based on GRE's wholesale sales to this Fixed Oblig
21	Mille Lacs Electric Coop	205,208	
70	Minnesota Valley Electric Coop	538,225	Retail sales are based on GRE's wholesale sales to this Fixed Oblig
148	Nobles Cooperative Electric	125,643	Includes all sales for resale of this cooperative
79	North Itasca Electric Co-op, Inc.	53,021	
96	Redwood Electric Coop	21,894	Retail sales are based on GRE's wholesale sales to this Fixed Oblig
102	Runestone Electric Assn	198,471	
109	South Central Electric Assn	105,199	Retail sales are based on GRE's wholesale sales to this Fixed Oblig
113	Stearns Coop Electric Assn	487,826	
114	Steele Waseca Coop Electric	261,176	
117	Todd Wadena Electric Coop	163,820	
130	Wright-Hennepin Cooperative Electric	717,231	Retail sales are based on GRE's wholesale sales to this Fixed Oblig
161	Willmar Municipal Utilities	107,406	Retail sales are based on GRE's wholesale sales to this Municipal I

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

Utility ID #	Utility	Retail Sales Amount (MWh)	Notes
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Renewable Energy Certificate Retirement Report for
RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-20-12, Docket No. E999/M-20-283	Attachment 3
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2019 - December 31, 2019
GREEN PRICING Program Sales	

TOTAL GREEN PRICING Sales (MWh)	32,621,106
RECS retired for GREEN PRICING programs	42,091

List the cumulative retail sales of green pricing electricity, including utility-managed community solar, and the number of customers as of December 31, 2019.						
Utility ID # (on Worksheet 1)	Utility Name	Program Name	No. of Program Customers	Program Sales (MWh)	Retail Rate (\$/kWh)	Notes
1	Agralite Cooperative	Wellspring Wind	65	392,051		
4	Arrowhead Electric Coop, Inc	Wellspring Wind	79	294,996		
10	Benco Electric Cooperative	Wellspring Wind	31	177,300		
6	Brown Co Rural Electrical Assn	Wellspring Wind	59	305,600		
26	Connexus Energy	Wellspring Wind	0	3,003,828		
9	Cooperative Light & Power	Wellspring Wind	101	514,700		
35	Crow Wing Coop Power & Light, Inc.	Wellspring Wind	683	4,996,188		
15	Dakota Electric Assn	Wellspring Wind	1,262	9,067,400		
16	East Central Energy	Wellspring Wind	627	2,766,467		*Includes ECE self-supply of Haubenschild
40	Federated Rural Electric Assn	Wellspring Wind	53	267,002		
43	Goodhue County Coop Electric Assn	Wellspring Wind	38	281,015		
18	Itasca Mantrap Coop Electric Assn	Wellspring Wind	63	216,600		
19	Kandiyohi Power Coop	Wellspring Wind	85	217,200		
14	Lake Country Power	Wellspring Wind	255	1,881,800		
59	Lake Region Electric Coop	Wellspring Wind	140	593,400		
64	McLeod Coop Power Assn	Wellspring Wind	28	1,812,820		
66	Meeker Coop Light & Power Assn	Wellspring Wind	20	173,100		
21	Mille Lacs Electric Coop	Wellspring Wind	126	546,600		
70	Minnesota Valley Electric Coop	Wellspring Wind	233	469,227		
148	Nobles Cooperative Electric	Wellspring Wind	34	170,400		
79	North Itasca Electric Co-op, Inc.	Wellspring Wind	10	47,700		
96	Redwood Electric Coop	Wellspring Wind	11	23,200		
102	Runestone Electric Assn	Wellspring Wind	184	1,170,900		
109	South Central Electric Assn	Wellspring Wind	82	32,300		
113	Stearns Coop Electric Assn	Wellspring Wind	198	1,507,650		
114	Steele Waseca Coop Electric	Wellspring Wind	118	755,700		

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

Utility ID # (on Worksheet 1)	Utility Name	Program Name	No. of Program Customers	Program Sales (MWh)	Retail Rate (\$/kWh)	Notes
117	Todd Wadena Electric Coop	Wellspring Wind	47	334,804		
130	Wright-Hennepin Cooperative Electric	Wellspring Wind	34	297,956		
	GRE Members Purchase	Revolt EV	49	2,473		*Includes HQ charger energy; on behalf o
	GRE Members Lease	Revolt EV	2	30		
10	Benco Electric Cooperative	Wellspring Solar	8	44,300		
6	Brown Co Rural Electrical Assn	Wellspring Solar	2	700		
15	Dakota Electric Assn	Wellspring Solar	73	233,500		
14	Lake Country Power	Wellspring Solar	9	15,800		
79	North Itasca Electric Co-op, Inc.	Wellspring Solar	2	5,400		
102	Runestone Electric Assn	Wellspring Solar	1	1,000		

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

Minnesota Public Utilities Commission: Docket No. E999/PR-20-12, Docket No. E999/M-20-283	Attachment 4
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2019 - December 31, 2019
Renewable Energy Certificate Retirements for Renewable Energy Standards and Green Pricing Programs	

Renewable Energy Standard REC Retirement Account Name:	
Green Pricing REC Retirement Account Name:	

Total RECs		1,794,814	42,091	1 REC = 1 MWh
		RECS retired for		
		RENEWABLE ENERGY STANDARD compliance		RECS retired for GREEN PRICING programs
MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	NOTES	
M979	GRE PV HQ 2014 - GRE PV HQ 2014	Solar	301	Wellspring Solar
M226	Chandler Wind Farm - Moulton 290/ Cha	Wind	471	REVOLT EV
M301	Christoffer - Christoffer	Wind	1,817	REVOLT EV
M908	Terra-Gen/Chandler - Terra-Gen/Chandlr	Wind	215	REVOLT EV
M226	Chandler Wind Farm - Moulton 290/ Cha	Wind	6,944	Wellspring Wind
M301	Christoffer - Christoffer	Wind	10,544	Wellspring Wind
M309	G.McNeilus LLC - McNeilus Windfarm LL	Wind	15,722	Wellspring Wind
M339	HAUBENSCHILD - HAUBENSCHILD	Biomass	1,682	Wellspring Wind
M908	Terra-Gen/Chandler - Terra-Gen/Chandlr	Wind	4,395	Wellspring Wind
M578	Ashtabula II Wind, LLC - Ashtabula II Wir	Wind	144,451	
M654	Crow Lake Wind Project - Crow Lake Wi	Wind	5,864	
M1070	Dickinson Solar I - Dickinson Solar I	Solar	2,630	
M530	Elm Creek - Elm Creek	Wind	300,219	
M259	FPL Energy Burleigh Co Wind LLC - FPL	Wind	23,221	
M302	Laurie River 1 - Laurie River 1	Hydro	9,040	
M1485	Marshan Solar	Solar	341	
M305	McArthur Falls - McArthur Falls	Hydro	85,066	
M552	Next Era Energy Wilton Wind II, LLC - W	Wind	24,917	
M454	Osceola Windpower, LLC - Osceola Win	Wind	277,840	
M304	Pine Falls - Pine Falls	Hydro	120,402	
M307	Pointe du Bois - Pointe du Bois	Hydro	58,392	
M261	Prairie Star Wind Farm - High Prairie Win	Wind	322,640	
M1486	Randolph (Hampton) Solar	Solar	808	
M306	Slave Falls - Slave Falls	Hydro	81,759	
M262	Trimont Wind 1 LLC - Trimont Wind 1 LL	Wind	331,379	
M2310	Vermillion River Solar	Solar	3	
M470	Welcome Wind - Welcome Wind	Wind	5,842	
				2019 GRE 25% Goal Incremental 8% (All-Requirements Members)
M578	Ashtabula II Wind, LLC - Ashtabula II Wir	Wind		48,076
M530	Elm Creek - Elm Creek	Wind		96,797
M302	Laurie River 1 - Laurie River 1	Hydro		5,082
M305	McArthur Falls - McArthur Falls	Hydro		61,527
M454	Osceola Windpower, LLC - Osceola Win	Wind		107,161
M304	Pine Falls - Pine Falls	Hydro		81,174
M307	Pointe du Bois - Pointe du Bois	Hydro		40,367
M261	Prairie Star Wind Farm - High Prairie Win	Wind		80,789
M306	Slave Falls - Slave Falls	Hydro		61,083
M262	Trimont Wind 1 LLC - Trimont Wind 1 LL	Wind		82,863
				664,919

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

MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	RECS retired for RENEWABLE ENERGY STANDARD compliance	RECS retired for GREEN PRICING programs	NOTES

Minnesota Public Utilities Commission: Docket No. E999/PR-20-12, Docket No. E999/M-20-283	Attachment 5
Reporting Period: January 1, 2018 - December 31, 2019	
Biennial Compliance reporting	
Please report the following items in compliance with the PUC May 28, 2013 Order in Docket No. E999/M-12-958	

Ordering Point

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

*Include banked Renewable Energy Credits (RECs)

Beyond 2055

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

Year	Actual/Projected MN retail sales (MWh)	RES Req.(%)	RES Req. (MWh)	Projected Resources (MWh)	Projected Surplus/ (Deficit) (MWh)
2020	12,374,000	20%	2,474,800	9,601,667	7,126,867
2021	12,325,000	20%	2,465,000	10,048,111	7,583,111
2022	12,314,000	20%	2,462,800	10,511,423	8,048,623
2023	12,311,000	20%	2,462,200	12,542,489	10,080,289

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	3387	6.64	0.2%

1.017484 MWh to MW 38% NCF
661
0.2%

*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.

Great River Energy is in compliance with all MN & WI statutory renewable energy requirements.

5.E.3(ii) Efforts taken to meet the objective and standards

In addition to ownership and operation of a 258-kWac solar PV installation on-site in Maple Grove, Great River Energy purchases the output of 657 MW of wind resources and various small-head hydro facilities in Manitoba. Included in the wind purchase total is 200 MW of newly commissioned wind power beginning in 2020. Great River Energy met the 25% MN RES in 2017, eight years early and is committed to the corporate goal for its all-requirements members of 30% in 2020, 40% in 2025 and 50% in 2030. Great River Energy has 900 MW of additional wind purchases under development.

5.E.3(iii) Obstacles encountered or anticipated in meeting the objective or standards

Increasing costs of MISO and affected systems network transmission upgrades are proven obstacles, having reduced GRE's portfolio by 100 MWs to date. Transmission congestion and generation interconnection queue study delays create economic viability concerns and project uncertainty.

5.E.3(iv) Potential solutions to the obstacles

Great River Energy has addressed the obstacles in 5.E.3(iii) through robust resource planning processes, including risk analysis, in advance of investment decisions. Great River Energy has also mitigated future price risk by taking advantage of federal tax incentives. GRE also advocates for transmission infrastructure expansion under equitable cost allocation guidelines.

5.G. List any renewable generation facilities expected to become operational during the upcoming year

Facility Name	Type	Capacity (MW)	Cap. Factor (%)	Expected Comm'l Operation Date
Emmons Logan	Wind	200	48	1/1/2020

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.

Great River Energy has signed long-term power purchase agreements that maximize federal tax incentives. Great River Energy has also secured firm transmission service, when economic, to help offset transmission congestion impacts. Great River Energy continues to employ good planning and risk mitigation practices.

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M-RETS RECs Bought and Sold	
Ordering pt. 4C requires reporting REC sales & purchases for the 2 preceding calendar years	

REC Purchases Total	247,231
REC Sales Total	47,500

Enter REC data for the 2 preceding calendar years.				
Wholesale REC Purchases	Wholesale REC Sales	PRICE		NOTES
		20,000	TS	2018 Southern MN Energy Cooperative
		27,500	TS	2019 Southern MN Energy Cooperative
74,024		\$	-	MN Valley
95,634		\$	-	Wright-Hennepin
44,097		\$	-	Crow Wing
11,089		\$	-	Agralite
10,251		\$	-	Meeker
2,105		\$	-	Redwood
10,031		\$	-	South Central