

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

Minnesota Public Utilities Commission: Docket No. E999/PR-18-12, Docket No. E-999/M-18-78	Attachment 6
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2016 - December 31, 2017
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	1,810,000

Enter current reporting year data.			
Wholesale REC Purchases	Wholesale REC Sales	PRICE	NOTES
	100,000	\$ 0.42	2016
	100,000	\$ 0.45	2016
	200,000	\$ 0.45	2016
	200,000	\$ 0.57	2016
	50,000	\$ 2.00	2016
	60,000	\$ 2.00	2016
	50,000	\$ 0.75	2017
	50,000	\$ 0.70	2017
	200,000	\$ 0.50	2017
	100,000	\$ 0.50	2017
	100,000	\$ 0.50	2017
	200,000	\$ 0.45	2017
	100,000	\$ 0.50	2017
	200,000	\$ 0.45	2017
	100,000	\$ 0.55	2017

Instructions

Minnesota Public Utilities Commission
Docket No. E999/PR-18-12
Docket No. E-999/M-18-78

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

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

Due: June 1st, 2018

For the Reporting Period:

January 1, 2017 - December 31, 2017*

*Exception for Worksheet A.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: DG.Energy@state.mn.us

For questions about e-filing, contact Karen Santori at 651-539-1530 or at karen.santori@state.mn.us.

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Minnesota Public Utilities Commission: Docket No. E999/PR-18-12, Docket No. E-999/M-18-78	Attachment 1
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2017 - December 31, 2017
Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs	

Report Year: 2017	Date Submitted:
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FILING UTILITY INFORMATION		CONTACT INFORMATION	
Company ID #	69	Contact Name	Craig Rustad
Company Name	Minnkota Power Cooperative, Inc.	Contact Title	Accounting Manager
Street Address Line 1	5301 32nd Ave. S	Contact Telephone	701-795-4261
Street Address Line 2		Contact E-Mail	crustad@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		

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RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-18-12, Docket No. E-999/M-18-78 **Attachment 2**
 Minnesota Department of Commerce: Docket No. E999/PR-02-1240 Reporting Period: **January 1, 2017 - December 31, 2017**

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

Retail Sales Total	1,500,270
RES Percentage Obligation	17%
RECs Required to be Retired	255,046
Actual RECs Retired	255,046

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	410,464	Reflects subtraction for Minnesota WAPA sales
8	Clearwater-Polk Electric Coop	63,286	Reflects subtraction for Minnesota WAPA sales
83	North Star Electric Cooperative	95,430	Reflects subtraction for Minnesota WAPA sales
25	PKM Electric Cooperative	106,401	Reflects subtraction for Minnesota WAPA sales
94	Red Lake Electric Cooperative	110,545	Reflects subtraction for Minnesota WAPA sales
95	Red River Valley Coop Power Assoc.	105,099	Reflects subtraction for Minnesota WAPA sales
100	Roseau Electric Cooperative	134,713	Reflects subtraction for Minnesota WAPA sales
127	Wild Rice Electric Cooperative	230,662	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	24,563	
28	Baudette Municipal Utilities	20,432	
170	Fosston Municipal Utilities	16,950	Reflects subtraction for Minnesota WAPA sales
46	Halstad Municipal Utilities	2,996	Reflects subtraction for Minnesota WAPA sales
47	Hawley Public Utilities	10,920	Reflects subtraction for Minnesota WAPA sales
101	Roseau Municipal Utilities	36,897	
222	City of Stephen Utilities	1,938	Reflects subtraction for Minnesota WAPA sales
115	Thief River Falls Municipal Utilities	66,401	Reflects subtraction for Minnesota WAPA sales
124	City of Warren Water and Light	6,260	Reflects subtraction for Minnesota WAPA sales
77	Warroad Municipal Utilities	56,313	

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Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2017 - December 31, 2017
GREEN PRICING Program Sales	

TOTAL GREEN PRICING Sales (MWh)	1,273
RECS retired for GREEN PRICING programs	1,273

List the cumulative retail sales of green pricing electricity, including utility-managed community solar, and the number of customers as of December 31, 2017.						
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	52	284	0.007516	
8	Clearwater-Polk Electric Cooperative	Infinity Wind	43	98	0.007990	
83	North Star Electric Cooperative	Infinity Wind	24	121	0.007762	
25	PKM Electric Cooperative	Infinity Wind	5	51	0.007575	
94	Red Lake Electric Cooperative	Infinity Wind	18	58	0.008105	
95	Red River Valley Coop. Power Assoc.	Infinity Wind	36	90	0.008079	
100	Roseau Electric Cooperative	Infinity Wind	17	52	0.007312	
127	Wild Rice Electric Cooperative	Infinity Wind	66	301	0.007963	
147	Bagley Public Utilities	Infinity Wind	12	89	0.007719	
170	Fosston Municipal Utilities	Infinity Wind	0	0	0.007699	
46	Halstad Municipal Utilities	Infinity Wind	2	14	0.008285	
47	Hawley Public Utilities	Infinity Wind	8	30	0.008090	
115	Thief River Falls Municipal Utilities	Infinity Wind	7	42	0.008026	
77	Warroad Municipal Utilities	Infinity Wind	9	43	0.006851	

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Minnesota Public Utilities Commission: Docket No. E999/PR-18-12, Docket No. E-999/M-18-78	Attachment 4
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2017 - December 31, 2017
Renewable Energy Certificate Retirements for Renewable Energy Standards and Green Pricing Programs	

Renewable Energy Standard REC Retirement Account Name:	Minnesota 2017 RES
Green Pricing REC Retirement Account Name:	Minnesota 2017 Green Pricing

Total RECs			255,046	1,273	1 REC = 1 MWh
		RECS retired for RENEWABLE ENERGY STANDARD		RECS retired for GREEN PRICING programs	
MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	compliance		NOTES
M201	Langdon Wind	Wind	102,865		
M475	Langdon Wind II	Wind	65,381		
M1193	Oliver Wind III	Wind	82,640		
M361	Fargo Landfill	Municipal Solid Waste	4,160		
M200	Petersburg Wind	Wind		1,273	

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Minnesota Public Utilities Commission: Docket No. E999/PR-18-12, Docket No. E-999/M-18-78 **Attachment 5**
 Minnesota Department of Commerce: Docket No. E999/PR-02-1240 Reporting Period: **January 1, 2016 - December 31, 2017**

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)

2025

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)
2017	1,500,270	17%	255,046	1,754,152	1,499,106
2018	1,605,979	17%	273,016	1,698,045	1,425,029
2019	1,634,675	17%	277,895	1,754,053	1,476,158
2020	1,651,680	20%	330,336	1,827,246	1,496,910

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 (%)*
ND	214762	10%	57%

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

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5.E.3 (i) The status of the utility's renewable energy mix relative to the objective & standards.

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

		<u>kW</u>	<u>Vintage</u>
Langdon, ND	Wind PPA	139,500	2008
Ashtabula, ND	Wind PPA	148,500	2009
Ashtabula II, ND	Wind PPA	69,000	2009
Oliver III, ND	Wind PPA	99,000	2016
Subtotal		456,000	
Infinity - Valley City	Wind	900	2002
Infinity - Petersburg	Wind	900	2002
Fargo Landfill, ND	Biomass	800	2009
Polk Co. Solid Waste, MN	Biomass	400	2009
		459,000	

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 2008-2017.

<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

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

Minnkota has not encountered any obstacles in meeting the Minnesota Renewable Energy Standard. As of December 31, 2017, 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.

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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)	Cap. Factor (%)	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.