

## 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](mailto: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](mailto:Clean.Energy@state.mn.us).

For questions about e-filing, contact Karen Santori at 651-539-1530 or at [karen.santori@state.mn.us](mailto: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	<b>Attachment 1</b>
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2019 - December 31, 2019
<b>Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs</b>	

Report Year	2019	Date Submitted	
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FILING UTILITY INFORMATION		CONTACT INFORMATION	
Company ID #	68	Contact Name	David Moeller
Company Name	Minnesota Power Co	Contact Title	Senior Attorney & Director of Regulatory
Street Address Line 1	30 W Superior St	Contact Telephone	218-723-3963 Ext. 2
Street Address Line 2		Contact E-Mail	<a href="mailto:dmoeller@allele.com">dmoeller@allele.com</a>
City	Duluth	COMMENTS/NOTES	
State	Minnesota		
Zip Code	55802		

Filing for <b>RENEWABLE ENERGY STANDARDS</b> on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
Minnesota Power Co.			
Aitkin Public Utilities	Pierz Utilities		
Biwabik Public Utilities	Proctor Public Utilities		
Brainerd Public Utilities (contract ended J	City of Randall Electric		
Buhl Public Utilities	City of Two Harbors		
City of Ely - Ely Utilities Commission	Virginia Dept. of Public Utilities		
Gilbert Water & Light			
Grand Rapids Public Utilities Commission			
Hibbing Public Utilities Commission			
Keewatin Public Utilities			
Nashauk Public Utilities			
Mountain Iron Water & Light Dept			

Filing for <b>GREEN PRICING PROGRAMS</b> on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
Minnesota Power Co.			

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	9,676,563
RES Percentage Obligation	17%
RECs Required to be Retired	1,645,016
Actual RECs Retired	1,645,016

Enter current reporting year  
 data.

Utility ID #	Utility	Retail Sales Amount (MWh)	Notes
68	Minnesota Power Co.	9,676,563	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-20-12, Docket No. E999/M-20-283	<b>Attachment 3</b>
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: <b>January 1, 2019 - December 31, 2019</b>
<b>GREEN PRICING Program Sales</b>	

TOTAL GREEN PRICING Sales (MWh)	329
RECS retired for GREEN PRICING programs	329

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 # <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	86	329		MN Retail Sales by reporting utility

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

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	<b>Attachment 4</b>
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: <b>January 1, 2019 - December 31, 2019</b>
<b>Renewable Energy Certificate Retirements for Renewable Energy Standards and Green Pricing Programs</b>	

Renewable Energy Standard REC Retirement Account Name:	2019 Minnesota Power MN REO/RES Compliance
Green Pricing REC Retirement Account Name:	2019 Minnesota Power Green Pricing

Total RECs		1,645,016	329	1 REC = 1 MWh
		RECS retired for		
		RENEWABLE ENERGY STANDARD compliance	RECS retired for GREEN PRICING programs	NOTES
MRETS ID	MRETS Generator Facility Name	Generator Fuel Type		
M653	Crystal Lake - Crystal Lake Wind III, LLC	Wind		329
M641	Bison Wind - Bison Wind		819,196	
M648	Blanchard Hydro - Blanchard Hydro 123		74,150	
M378	Fond Du Lac Hydro - Fond Du Lac Hydro		45,029	
M518	Hibbard Energy Center - Hibbard 4		6,643	
M407	Knife Falls Hydro - Knife Falls Hydro		9,919	
M303	Laurie River 2 - Laurie River 2		184	
M409	Little Falls Hydro Station - Little Falls Hydro		24,050	
M305	McArthur Falls - McArthur Falls		1,924	
M541	Oliver Wind 12 - Oliver County Wind 12		217,397	
M410	Pillager Hydro Station - Pillager Hydro		7,063	
M304	Pine Falls - Pine Falls		2,247	
M307	Pointe du Bois - Pointe du Bois		1,258	
M412	Prairie River Hydro Station - Prairie River Hydro		2,892	
M414	Rapids Energy Center - Rapids Energy Center Hydro		62,672	
M418	Scanlon Hydro Station - Scanlon Hydro		6,783	
M306	Slave Falls - Slave Falls		1,684	
M419	Sylvan Hydro Station - Sylvan Hydro		7,703	
M480	Tac Ridge Wind - Taconite Ridge Wind		28,426	
M924	Thomson Hydro - Thomson Hydro		305,100	
M310	Wing River - Wing River		2,972	
M420	Winton Hydro Station - Winton Hydro		17,724	

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 <b>RENEWABLE ENERGY STANDARD</b> compliance	RECS retired for <b>GREEN PRICING</b> programs	NOTES

Minnesota Public Utilities Commission: Docket No. E999/PR-20-12, Docket No. E999/M-20-283	<b>Attachment 5</b>
Reporting Period: <b>January 1, 2018 - December 31, 2019</b>	
<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	

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)

2053
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**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	9,774,421	20%	1,954,884	12,239,162	10,284,278
2021	9,754,550	20%	1,950,910	13,962,985	11,765,889
2022	9,945,936	20%	1,989,187	15,416,809	12,915,980
2023	10,128,590	20%	2,025,718	16,559,469	14,035,131

**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 (%)*

\*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.**

Completed Projects:  
Oliver 1 Wind  
A 50.6 MW wind facility comprised of twenty-two 2.3 MW Siemens SWT-2.3-93 turbines located near Center, North Dakota. This facility was built by NextEra Energy Resources and began commercial operation in December 2006. Minnesota Power has a 25-year PPA with NextEra Energy Resources for all energy, capacity and renewable attributes from Oliver 1 (Docket No. E015/M-05-975).

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

eligible renewable energy supply. In 2019, the renewable portion of Minnesota Power's retail energy supply is approximately 25 percent of its projected 2025 retail and wholesale electric sales. With the addition of Nobles 2 Wind Project and Oliver 1&2 Repower Project in 2020, the renewable portion of Minnesota Power's retail energy supply increases to 50 percent of its projected 2025 retail and wholesale electric sales. The Company has exceeded current compliance with the RES and is well positioned to comply with the standard for 2025 and beyond.

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

the key is to search for potential solutions to these obstacles. Obstacles and potential solutions encountered in the planning process include:  
Hydro  
Minnesota Power knows of no new large hydro project sites in Minnesota. Even if sites existed, hydro development is realistically limited to expansions at existing impoundments due to anticipated resistance to the construction of new dams. There is obtainable and

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

See above section Obstacles encountered or anticipated in meeting the objective or standards

**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.**

effective wind energy into its supply mix and maximizes other existing renewable resources. Current and planned projects, in addition to a sufficient bank of RECs, will enable Minnesota Power to meet the RES incremental percentage requirements, while being afforded the necessary time to evaluate market conditions and advancements in renewable energy technology. With a significant amount of wind energy in its energy mix, Minnesota Power is continually evaluating other renewable energy resources such as biomass, solar, and battery storage.



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Minnesota Public Utilities Commission: Docket No. E999/PR-20-12, Docket No. E999/M-20-283	<b>Attachment 6</b>
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: <b>January 1, 2018 - December 31, 2019</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	0
REC Sales Total	0

Enter REC data for the 2 preceding calendar years.

Wholesale REC Purchases	Wholesale REC Sales	PRICE	NOTES