

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	<b>Attachment 1</b>
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2017 - December 31, 2017
<b>Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs</b>	

Report Year	2017	Date Submitted	May 30, 2018
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FILING UTILITY INFORMATION		CONTACT INFORMATION	
Company ID #	3001	Contact Name	Trevor J. Smith
Company Name	Minnesota Municipal Power Agency	Contact Title	Accounting Manager
Street Address Line 1	c/o Avant Energy	Contact Telephone	612-252-6543
Street Address Line 2	220 South Sixth Street, Suite 1300	Contact E-Mail	Trevor.Smith@AvantEnergy.com
City	Minneapolis	COMMENTS/NOTES	
State	MN		
Zip Code	55402		

Filing for <b>RENEWABLE ENERGY STANDARDS</b> on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
City of Anoka			
City of Arlington			
Brownton Municipal Light & Power			
City of Buffalo			
City of Chaska			
East Grand Forks Water & Light Dept.			
Le Sueur Municipal Utilities			
City of North St. Paul			
City of Olivia			
Shakopee Public Utilities			
City of Winthrop			

Filing for <b>GREEN PRICING PROGRAMS</b> on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name
City of Anoka			
City of Arlington			
Brownton Municipal Light & Power			
City of Buffalo			
City of Chaska			
East Grand Forks Water & Light Dept.			
Le Sueur Municipal Utilities			
City of North St. Paul			
City of Olivia			
Shakopee Public Utilities			
City of Winthrop			

Minnesota Public Utilities Commission: Docket No. E999/PR-18-12, Docket No. E-999/M-18-78	<b>Attachment 2</b>
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: <b>January 1, 2017 - December 31, 2017</b>
<b>Total Retail Sales to Minnesota Customers and Renewable Energy Certificates Required to be Retired for RENEWABLE ENERGY STANDARD Compliance</b>	

Retail Sales Total	1,449,662
RES Percentage Obligation	17%
RECs Required to be Retired	246,443
Actual RECs Retired	246,443

Enter current reporting year  
data.

Utility ID #	Utility	Retail Sales Amount (MWh)	Notes
53	City of Anoka	263,418	
142	City of Arlington	16,031	
205	Brownton Municipal Light & Power	4,559	
32	City of Buffalo	110,739	
34	City of Chaska	348,251	
37	East Grand Forks Water & Light Dept.	87,716	See Note 2
61	Le Sueur Municipal Utilities	93,339	
82	City of North St. Paul	69,793	
24	City of Olivia	6,714	See Note 2
107	Shakopee Public Utilities	431,927	
128	City of Winthrop	17,175	

Notes:

1. Retail sales information provided by member cities. See also Note 2.
2. Purchases some wholesale power from WAPA. Retail sales adjusted by
3. Actual RECs retired based on Estimated Retail Sales. See cover letter attachment.

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Minnesota Public Utilities Commission: Docket No. E999/PR-18-12, Docket No. E-999/M-18-78	<b>Attachment 3</b>
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: <b>January 1, 2017 - December 31, 2017</b>
<b>GREEN PRICING Program Sales</b>	

TOTAL GREEN PRICING Sales (MWh)	6,046
RECS retired for GREEN PRICING programs	6,046

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
53	City of Anoka	Green Energy	6	32		
53	City of Anoka	Clean Energy	193	1,001		
142	City of Arlington	Green Energy	1	11		
142	City of Arlington	Clean Energy	54	335		
205	Brownton Municipal Light & Power	Clean Energy	14	78		
32	City of Buffalo	Green Energy	1	22		
32	City of Buffalo	Clean Energy	79	140		
34	City of Chaska	Clean Energy	439	448		
37	East Grand Forks Water & Light Dept.	Green Energy	2	23		
37	East Grand Forks Water & Light Dept.	Clean Energy	89	211		
61	Le Sueur Municipal Utilities	Clean Energy	30	2,010		
82	City of North St. Paul	Green Energy	1	21		
82	City of North St. Paul	Clean Energy	188	610		
24	City of Olivia	Green Energy	3	9		
24	City of Olivia	Clean Energy	29	152		
107	Shakopee Public Utilities	Green Energy	100	194		
128	City of Winthrop	Clean Energy	18	749		

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

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

Total RECs		246,443	6,046	1 REC = 1 MWh	
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
M679	St. Cloud Hydroelectric Facility - St. Cloud Hydroelectric Facility	Hydroelectric Water		390	
M680	Hastings Lock and Dam 2 - Hastings Lock and Dam 2	Hydroelectric Water	7,102	5,398	
M879	Hometown BioEnergy - HTBE_1&2	Biogas	2,195		
M880	Hometown BioEnergy - HTBE_3&4	Biogas	2,084		
M745	Hometown Wind Aggregation - HTW_AGG_1	Wind	69	258	
M746	Hometown Wind Aggregation - HTW_AGG_2	Wind	822		
M302	Laurie River 1 - Laurie River 1	Hydroelectric Water	2,575		
M303	Laurie River 2 - Laurie River 2	Hydroelectric Water	2,643		
M305	McArthur Falls - McArthur Falls	Hydroelectric Water	59,425		
M722	Oak Glen Wind Farm - OGWF	Wind	63,015		
M304	Pine Falls - Pine Falls	Hydroelectric Water	82,992		
M307	Pointe du Bois - Pointe du Bois	Hydroelectric Water	23,521		

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

2020

**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	1,449,662.42	17%	246,443.00	na	na
2018	1,588,126.74	17%	269,982.00	1,429,669	1,159,687
2019	1,834,803.15	17%	311,917.00	1,625,487	1,313,570
2020	1,854,444.31	20%	370,889.00	2,378,553	2,007,664

**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.**

MMPA is in full compliance with the Minnesota REO-RES statute, Minn. Stat. §216B.1691 and provides a mix of renewable energy from biomass, hydro, solar and wind renewable energy sources.

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

MMPA developed the 1.92 MW Hometown WindPower Project which came into service in March 2010, the 44 MW Oak Glen Wind Farm Project which came into service in October 2011, and the 8 MW Hometown BioEnergy which came into service in December 2013. MMPA also signed two (2) PPAs that total 85.25 MW. These PPAs deliver 78 MW and 7.25 MW to MMPA. With current inventory, resources and contracted market purchases, MMPA projects that it can maintain compliance beyond 2020.

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

MMPA has not encountered any obstacles in meeting the Minnesota Renewable Energy Objective or Standard.

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

N/A

**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.**

MMPA's PPA contracts are long-term where the terms of these contracts, including the price, are locked in. MMPA also finances its owned generation using tax free municipal bonds and, on a long-term basis, to again lock in low interest rates for a period of 20 years or more. This long-term approach controls costs and minimizes volatility.

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Minnesota Public Utilities Commission: Docket No. E999/PR-18-12, Docket No. E-999/M-18-78		<b>Attachment 6</b>
		PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period:	<b>January 1, 2016 - December 31, 2017</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 current reporting year data.			
Wholesale REC Purchases	Wholesale REC Sales	PRICE	NOTES
[TRADE SECRET DATA BEGINS]			
[TRADE SECRET DATA ENDS]			