Minnesota Public Utilities Commission DOCKET NO. E999/PR-16-12 DOCKET NO. E999/PR-16-83

Minnesota Department of Commerce DOCKET NO. E999/PR-02-1240

Renewable Energy Certificate Retirement Report for RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS Attachment A: REC Retirement Compliance Reporting

For the Reporting Period:

January 1, 2015 - December 31, 2015*

*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

Due: June 1st, 2016

Complete the following worksheets and e-file in **Excel (XLS or XLSX)** format: Worksheet A.1, Utility Info Worksheet A.2, Renewable Energy Standard Retail Sales Worksheet A.3, Green Pricing Program Retail Sales Worksheet A.4, RES & Green Pricing REC Retirements Worksheet A.5, Biennial Compliance Reporting Worksheet A.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: <u>http://www.commerce.state.mn.us/eDocFile/eFilingHelp.html</u>

For questions about Renewable Energy Certificate retirement or compliance with Renewable Energy Standards, contact Susan Mackenzie at 651-201-2241 or at susan.mackenzie@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 .

Yellow cells - Information provided by utility Pink cells - Calculated data Green cells - Headers and instructions Blue cells - Lists of codes Minnesota Public Utilities Commission DOCKET NO. E999/PR-16-12 DOCKET NO. E999/PR-16-83

Minnesota Department of Commerce DOCKET NO. E999/PR-02-1240

Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs for the Reporting Period:

2015					
FILING UTILITY INFORMATION					
3001					
Minnesota Municipal Power Agency					
c/o Avant Energy					
220 South Sixth Street, Suite 1300					
Minneapolis					
MN					
55402					

January 1, 2015 - December 31, 2015

DATE SUBMITTED	May 31, 2016
CONTACT	INFORMATION
CONTACT NAME	Trevor J. Smith
CONTACT TITLE	Energy Accountant
CONTACT TELEPHONE	612-252-6543
CONTACT E-MAIL	Trevor.Smith@AvantEnergy.com

COMMENTS/NOTES

FILING FOR RENEWABLE ENERGY STANDARDS ON BEHALF OF:		1	
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 GREEN PRICING PROGRAMS 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			

Attachment A.1

PUBLIC DOCUMENT -TRADE SECRET DATA HAS BEEN EXCISED

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Total Retail Sales to Minnesota Customers and Renewable Energy Certificates Required to be Retired for RENEWABLE ENERGY STANDARD Compliance for the Reporting Period:

January 1, 2015 - December 31, 2015

		Ret	ail Sales Total	1,434,696
		RES Percenta	age Obligation	12%
		RECs Required to be Retired		172,164
		Actual RECs Retired		172,164
		Enter current reporting year data.		
*UTILITY		RETAIL SALES AMOUNT		
ID # 53	UTILITY City of Anoka	(MWh) 271,674	NOTES	
142	City of Arlington	16,194		
205	Brownton Municipal Light & Power	4,579		
32	City of Buffalo	112,851		
34	City of Chaska	345,579		
37 61	East Grand Forks Water & Light Dept. Le Sueur Municipal Utilities		See Note 2	
61 82	City of North St. Paul	94,021 71,487		
24	City of Olivia	8.320	See Note 2	
107	Shakopee Public Utilities	407,205		
128	City of Winthrop	17,056		
No. to a c				
Notes:	l ales information provided by member cit	ies. See also Note 2		
2. Purchas	es some wholesale power from WAPA.	Retail sales adjusted by		
3. Actual R	ECs retired based on Estimated Retail	Sales. See Attachment C.		
-				

Attachment A.2

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

*UTILITY ID #	UTILITY	RETAIL SALES AMOUNT (MWh)	NOTES

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

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GREEN PRICING Program Sales for the Reporting Period:

January 1, 2015 - December 31, 2015

TOTAL GREEN PRICING Sales (MWh)	2,653
RECS retired for GREEN PRICING programs	2,653

.ist the cumulative retail sales of green pricing electricity, including utility-managed community solar where the utility retires RECs on behalf of customers, and the number of customers as of December 31, 2015.					
Jtility ID #s on last worksheet	501 01, 2010.				
				PROGRAM SALES	
*UTILITY ID #	UTILITY NAME	PROGRAM NAME		(MWh)	NOTES
53	City of Anoka	Green Energy	190	775	
53	City of Anoka	Clean Energy	31	40	
142	City of Arlington	Green Energy	15	47	
142	City of Arlington	Clean Energy	9	55	
205	Brownton Municipal Light & Power	Green Energy	0	0	
32	City of Buffalo	Green Energy	35	425	
32	City of Buffalo	Clean Energy	1	0	
34	City of Chaska	Green Energy	119	42	
37	East Grand Forks Water & Light Dept.	Green Energy	63	340	
37	East Grand Forks Water & Light Dept.	Clean Energy	4	11	
61	Le Sueur Municipal Utilities	Green Energy	23	119	
82	City of North St. Paul	Green Energy	92	55	
82	City of North St. Paul	Clean Energy	5	2	
24	City of Olivia	Green Energy	31	301	
107	Shakopee Public Utilities	Green Energy	111	262	
128	City of Winthrop	Green Energy	17	175	
128	City of Winthrop	Clean Energy	3	4	
ustomer count information provided by m	ember cities.				

Attachment A.3

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

		PROGRAM NAME	NO. OF	PROGRAM SALES	
			PROGRAM	SALES	
*UTILITY ID #	UTILITY NAME	PROGRAM NAME	CUSTOMERS	(MWh)	NOTES

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Renewable Energy Certificate Retirements for Renewable Energy Standards and Green Pricing Programs for the Reporting Period: January 1, 2015 - December 31, 2015

	Renewable Energy Standard REC Retirement Account Name:		2015 MM	IPA MN RES REC
	Green Pricing REC Retirement Account Name:		2015 MMP	A MN Green Pricing
MRETS ID	MRETS Generator Facility Name	RECS retired for RENEWABLE ENERGY STANDARD compliance	RECS retired for GREEN PRICING programs	NOTES
	Total RECs	172,164	2,653	1 REC = 1 MWh
M680	Hastings Lock and Dam 2 - Hastings Lock and Dam 2	11,014	1,486	
	Hometown Wind Aggregation - HTW_AGG_1	11,014	330	
M746	Hometown Wind Aggregation - HTW_AGG_2	5	837	
M468	Hennepin Energy Recovery Center - Hennepin Energy Recovery Center	99,388		
M302	Laurie River 1 - Laurie River 1	263		
	Laurie River 2 - Laurie River 2	251		
M305	McArthur Falls - McArthur Falls	4,786		
	Oak Glen Wind Farm - OGWF	12,239		
M304	Pine Falls - Pine Falls Reinte du Rein - Reinte du Rein	7,697		
	Pointe du Bois - Pointe du Bois Slave Falls - Slave Falls	5,318 6,203		
M679	St. Cloud Hydroelectric Facility - St. Cloud Hydroelectric Facility	25,000		
11107 0		20,000		

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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)

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

X	actual/projected MN retail sales	RES	RES Req.	Projected Resources	Projected Surplus/ (Deficit)
Year	(MWh)	Req.(%)	(MWh)	(MWh)	(MWh)
2015	1,434,696	12%	172,164	na	na
2016	1,501,978	17%	255,336	1,038,780	783,443
2017	1,513,377	17%	257,274	1,228,871	971,597
2018	1,592,224	17%	270,678	1,417,024	1,146,346

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 Reg. (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 and wind renewable energy sources.

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 are projected to deliver 78 MW to MMPA starting in Qtr 4 of 2016 and an additional 7.25 MW in Qtr 4 of 2017. 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

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

2020

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

Facility Name	type	Capacity (MW)	Cap. Factor (%)	Expected Comm'l Operation Date
Black Oak Getty Wind Farm	Wind	78	44%	Qtr 4 2016
Buffalo Solar	Solar	7.25 AC	22%	Qtr 4 2017

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.

Attachment A.6

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PUBLIC DOCUMENT -TRADE SECRET DATA HAS BEEN EXCISED

January 1, 2014 - December 31, 2015

M-RETS RECs Bought and Sold During the Reporting Period:

REC Purchases Total	0		
REC Sales Total	0		
Enter current reporting year data.			
Wholesale REC Purchases [TRADE SECRET DATA BEGINS	Wholesale REC Sales	PRICE	NOTES
L			
[TRADE SECRET DATA BEGINS			

