

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.

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	29,161,074
RES Percentage Obligation	25%
RECs Required to be Retired	7,290,269
Actual RECs Retired	7,290,269

Enter current reporting year data.

Utility ID #	Utility	Retail Sales Amount (MWh)	Notes
85	Xcel Energy (NSP-MN)	29,161,074	

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)	509,851
RECS retired for GREEN PRICING programs	509,851

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
85	Xcel Energy (NSP-MN)	Windsorce Minnesota	64,568	326,796	\$ 0.03530	
85	Xcel Energy (NSP-MN)	Renewable * Connect	1,336	10,770	\$ 0.03599	2019 Month-to-Month Rate
85	Xcel Energy (NSP-MN)	Renewable * Connect	1,145	59,415	\$ 0.03317	2019 5-year rate
85	Xcel Energy (NSP-MN)	Renewable * Connect	654	102,679	\$ 0.03267	2019 10-year rate
85	Xcel Energy (NSP-MN)	Renewable * Connect Government	1	10,190	\$ 0.03167	2019 Rate
85	Xcel Energy (NSP-MN)	Community Solar Gardens				No sales since company receives all RECS and subscribers do not get CSG energy

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: NSP-MN RES Retirement-2019 / BBE401CB-CDBF
Green Pricing REC Retirement Account Name: MN Renewable Connect 2019 / 243E701D-A1F8
Green Pricing REC Retirement Account Name: NSP-MN WindSource Retirement-2019 / 679A7581-9BA9

Total RECs		7,290,209	509,851	1 REC = 1 MWh
RECS retired for				
RENEWABLE ENERGY				
STANDARD GREEN				
MRETS ID	MRETS Generator Facility Name	Generator Fuel Type	compliance	PRICING programs NOTES
M1064	North Star Solar PV - North Star Solar PV	Solar	2,242	MN Renewable Connect Government 2019
M1045	Odell Wind Farm (1) - Odell Wind Farm (1)	Wind	7,948	MN Renewable Connect Government 2019
M1064	North Star Solar PV - North Star Solar PV	Solar	38,030	MN Renewable Connect 2019
M1045	Odell Wind Farm (1) - Odell Wind Farm (1)	Wind	134,835	MN Renewable Connect 2019
M1051	Black Oak Wind, LLC - BOGWIF	Wind	168,000	MN WindSource 2019 / Purchased RECS
M352	Cisco Wind Energy - Cisco Wind Energy	Wind	18,466	MN WindSource 2019
M447	McNeilus Group - McNeilus Group	Wind	16,946	MN WindSource 2019
M508	Morane II - Morane II	Wind	110,319	MN WindSource 2019
M722	Oak Glen Wind Farm - OGWF	Wind	4	MN WindSource 2019 / Purchased RECS
M359	Rock County Energy - Rock County Energ	Wind	15,061	MN WindSource 2019
M677	Adams - Adams Wind	Wind	26,905	
M656	Agassiz Beach - Agassiz Beach	Wind	4,806	
M277	Apple River (Unit 1) - Apple Riv	Hydroelectric Water	3,504	
M297	Bayfront (Unit 4) - Bayfront (Unit 4)	Biomass	28,581	
M318	Bayfront (Unit 5) - Bayfront (Unit 5)	Biomass	23,094	
M831	Big Blue Wind Farm - Big Blue Wind Farm	Wind	55,202	
M278	Big Falls (Units 1-3) - Big Falls	Hydroelectric Water	32,803	
M665	Border Winds Wind Farm - Border Wind	Wind	567,712	
M459	Carleton College - Carleton College	Wind	4,152	
M279	Cedar Falls (Units 1-3) - Cedar Falls	Hydroelectric Water	46,944	
M387	Chanarabie Power Partners (1) - Chana	Wind	7,121	
M388	Chanarabie Power Partners (2) - Chana	Wind	45,339	
M320	Chippewa Falls (Unit 2) - Chippewa Falls	Hydroelectric Water	3,849	
M321	Chippewa Falls (Unit 3) - Chippewa Falls	Hydroelectric Water	3,356	
M322	Chippewa Falls (Unit 4) - Chippewa Falls	Hydroelectric Water	2,200	
M323	Chippewa Falls (Unit 5) - Chippewa Falls	Hydroelectric Water	2,961	
M324	Chippewa Falls (Unit 6) - Chippewa Falls	Hydroelectric Water	3,309	
M689	Community Wind North - North Commu	Wind	19,402	
M690	Community Wind North - North Wind Tu	Wind	32,921	
M707	Cornell (Unit 1-4) - Cornell (Unit 1-4)	Hydroelectric Water	5,390	
M1047	Courtenay Wind Farm - Courtenay Wind	Wind	612,714	
M678	Danielson - Danielson Wind Farms	Wind	25,648	
M282	Dells (Units 1-7) - Dells	Hydroelectric Water	61,029	
M351	East Ridge - East Ridge	Wind	22,076	
M353	Ewington Energy Systems - Ewington Ene	Wind	37,110	
M355	Fenton Power Partners (1) - Fenton Pow	Wind	263,847	
M356	Fenton Power Partners (2) - Fenton Pow	Wind	78,857	
M433	Fey Windfarm - Fey Windfarm	Wind	5,943	
M366	FPL Energy Mower County - FPL Energy A	Wind	201,719	
M317	French Island (Unit 1) - French Island (Un	Biomass	4,206	
M274	French Island (Unit 2) - French Island (Un	Biomass	6,432	
M742	GE Bio Gas 1, LLC - GE Bio Gas 1	Biogas	5,332	
M493	Grand Meadow Wind Farm - Grand Meas	Wind	178,357	
M577	Grant County Wind - Grant County Wind	Wind	40,319	
M885	GreenWhey Energy, Inc - GreenWhey En	Biogas	6,994	
M283	Hayward (Unit 1) - Hayward	Hydroelectric Water	130	
M484	Hibbing Public Utility - Laurentian	Biomass	118,702	
M509	Hilltop Power - Hilltop	Wind	3,796	
M284	Hokcombe (Unit 1) - Hokcombe (Unit 1)	Hydroelectric Water	8,435	
M328	Hokcombe (Unit 2) - Hokcombe (Unit 2)	Hydroelectric Water	6,377	
M329	Hokcombe (Unit 3) - Hokcombe (Unit 3)	Hydroelectric Water	56,575	
M431	Jeffers Wind 20 - Jeffers Wind 20	Wind	62,329	
M285	Jim Falls (Unit 1) - Jim Falls (Unit 1)	Hydroelectric Water	101,933	
M350	Jim Falls (Unit 2) - Jim Falls (Unit 2)	Hydroelectric Water	3,824	
M430	Jim Falls (Units 1-2) - Jim Falls (Units 2)	Hydroelectric Water	106,308	
M635	Kas Brothers Windfarm - Kas Brothers W	Wind	3,605	
M534	Koda 1 - Koda Energy	Biomass	116,087	
M286	LadySmith (Units 1-3) - LadySmith	Hydroelectric Water	2,731	
M639	Lake Benton Power Partners II (LBI) - LBI	Wind	7,028	
M728	Lake Benton Power Partners, LLC - Lake B	Wind	10,435	
M758	LCO Band of Lake Superior Chippewa Ind	Hydroelectric Water	1,113	
M447	McNeilus Group - McNeilus Group	Wind	20,618	
M287	Menomonee (Units 1-2) - Menomonee	Hydroelectric Water	31,704	
M681	Metro Wind - Metro Wind	Wind	841	
M390	MinnDakota Wind (1) - MinnDakota Winc	Wind	36,442	
M732	MinnDakota Wind (B) - MinnDakota Winc	Wind	71,067	
M291	MinnDakota Wind (D) - MinnDakota Winc	Wind	61,150	
M508	Morane II - Morane II	Wind	51,268	
M392	Morane Wind - Morane Wind	Wind	20,594	
M606	Neshonoc - Neshonoc	Hydroelectric Water	2,614	
M643	Nobles Wind Farm - Nobles Wind Farm I	Wind	208,295	
M646	Nobles Wind Farm - Nobles Wind Farm II	Wind	242,903	
M393	Norgaard North - Norgaard North	Wind	12,888	
M394	Norgaard South - Norgaard South	Wind	10,203	
M627	North Shakotan Wind - Group	Wind	25,995	
M1045	Odell Wind Farm (1) - Odell Wind Farm (1)	Wind	633,669	
M1046	Odell Wind Farm (2) - Odell Wind Farm (2)	Wind	75,439	
M636	Olsen Windfarm LLC - Olsen Windfarm	Wind	1,935	
M363	Pipestone - Pipestone	Wind	24,929	
M566	Pleasant Valley Wind Farm - Pleasant Vall	Wind	725,935	
M791	Prairie Rose Wind - Prairie Rose Wind, LL	Wind	548,798	
M275	Red Wing (Unit 1) - Red Wing (Unit 1)	Biomass	138,471	
M330	Red Wing (Unit 2) - Red Wing (Unit 2)	Biomass	117,072	
M642	Ridgewind - Ridgewind	Wind	39,368	
M288	Riverdale (Units 1-2) - Riverdale	Hydroelectric Water	3,507	
M362	Rock Ridge Power Partners - Rock Ridge F	Wind	5,152	
M658	Ruliton Ridge Wind - Group	Wind	32,270	
M706	SAF Hydro, LLC - SAF Hydro	Hydroelectric Water	30,775	
M289	Saxon Falls (Units 1-2) - Saxon Falls	Hydroelectric Water	11,362	
M389	Shane's Wind Machine - Shane's Wind M	Wind	7,095	
M364	South Ridge Power Partners - South Ridg	Wind	5,573	
M291	St. Anthony (Units 1-5) - St. Anthony	Hydroelectric Water	61,150	
M711	St. Croix Falls (Unit 1-8) - St. Croix Falls (U	Hydroelectric Water	7,449	
M368	St. Olaf College - St. Olaf College	Wind	824	
M875	St. Paul Cogeneration - St. Paul Cogenera	Biomass	478,050	
M292	Superior Falls (Units 1-2) - Superior Falls	Hydroelectric Water	3,635	
M396	Tholen Transmission Inc. (North) - Tholer	Wind	23,520	
M397	Tholen Transmission Inc. (South) - Tholer	Wind	17,197	
M293	Thornapple (Units 1-2) - Thornapple	Hydroelectric Water	9,784	
M294	Trego (Units 1-3) - Trego	Hydroelectric Water	9,802	
M561	Ulk Wind Farm - Ulk Wind Farm	Wind	7,728	
M683	Valley View - Valley View Wind	Wind	11,232	
M453	Velva Windfarm - Velva Windfarm	Wind	29,040	
M395	West Ridge - West Ridge	Wind	5,155	
M897	Western Technical College - Western Tec	Hydroelectric Water	1,041	
M295	White River (Units 1-2) - White River	Hydroelectric Water	1,285	
M276	Wilmarth (Unit 1) - Wilmarth (Unit 1)	Biomass	111,270	
M338	Wilmarth (Unit 2) - Wilmarth (Unit 2)	Biomass	90,678	
M365	Windwest Power Partners - Windwest Pow	Wind	5,545	
M721	Winona County Wind - Winona County W	Wind	119	
M712	Wisota (Unit 1-3) - Wisota (Unit 1-3)	Hydroelectric Water	5,191	
M713	Wisota (Unit 4-6) - Wisota (Unit 4-6)	Hydroelectric Water	4,358	
M625	WM Renewable Energy - Barnevill - WM	Biomass	62,542	
M626	Woodstock Municipal Wind - Woodstock	Wind	2,450	
M802	Zephyr Wind, LLC (CWS) - Zephyr Wind (Wind	15,481	
M792	Zephyr Wind, LLC (CWS) - Zephyr Wind (1	Wind	34,253	

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 2040

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)
2019	29,161,074	25%	7,290,269	8,266,386	9,539,041
2020	[PROTECTED DATA BEGINS]	30%	[PROTECTED DATA BEGINS]		
2021		30%			
2022		30%			
PROTECTED DATA ENDS]		PROTECTED DATA ENDS]			

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	856,542	12.89%	16.49%
MI	17,275	10%	0.35%
SD	212,030	10% Voluntary	5.49%
ND	0	Voluntary	5.37%

*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.

The Company's overall renewable energy mix exceeds the renewable portfolio standard (RPS) obligations for the state of Minnesota, and other states it operates in, and is sufficiently able to comply with these increasing requirements. The Company continues to increase its renewable energy mix, primarily in wind and solar, to take advantage of cost-effective resource additions and to decrease carbon emissions.

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

The portfolio of projects associated with the 2016 Wind RFP are in varying stages of construction and operation. These resources are a combined mixture of Self-Build, Build-Own-Transfers(BOT), and Power Purchased Agreement (PPAs) projects and are all expected to achieve commercial operations prior to 2021 in order to qualify for the Production Tax Credit (PTC). As cost-effective resource additions to our system, the approval of these projects continues to prove to be a reasonable and prudent way for NSP to meet and exceed its obligations under the MN Renewable Energy Standard.

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

The annual Renewable Portfolio Standard (RPS) percentage rate and overall renewable requirement for Xcel Energy has significantly increased over the past several years. At the same time, the Company has been able to take advantage of cost-effective renewable resource additions to meet and exceed its compliance obligations.

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

The Company is currently positioned to meet and exceed our compliance obligations.

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
[PROTECTED DATA BEGINS]				
Crowned Ridge Wind, LLC	Wind	200		01/10/2020
Blazing Star I	Wind	200		3/31/2020

Crowned Ridge Wind II, LLC	Wind	200		11/01/2020
Blazing Star II	Wind	200		12/31/2020
Dakota Range	Wind	200		12/31/2020
Dakota Range III	Wind	151		12/31/2020
Freeborn Wind	Wind	200		12/31/2020

PROTECTED DATA ENDS]

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.
	The Company continues to take advantage of opportunities as these are identified by the market and determined to be beneficial to the rate payer.

Minnesota Public Utilities Commission: Docket No. E999/PR-20-12, Docket No. E999/M-20-283	Attachment 6
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2018 - December 31, 2019
M-RETS RECs Bought and Sold	
Ordering pt. 4C requires reporting REC sales & purchases for the 2 preceding calendar years	

REC Purchases Total	260,260
REC Sales Total	523,899

Enter REC data for the 2 preceding calendar years.

Wholesale REC Purchases	Wholesale REC Sales	PRICE	NOTES
7,500		\$ 0.80	Windsorce Purchase
48,000		\$ 0.75	Windsorce Purchase
11,000		\$ 0.72	Windsorce Purchase
27,760		\$ 0.72	Windsorce Purchase
50,000		\$ 0.74	Windsorce Purchase
116,000		\$ 0.74	Windsorce Purchase
	1,713	\$ 0.86	Sold & Retired on Behalf of NFL
	89,673	\$ 30.00	Poultry Waste
	2,030	\$ 0.03	Biomass
	60,778	\$ 0.20	Large Hydro
	60,253	\$ 0.10	Large Hydro
	274,900	\$ 0.10	Large Hydro
	23,617	\$ 30.00	Poultry Waste
	10,935	\$ 0.15	Wind RECs