

Instructions

Minnesota Public Utilities Commission
Docket No. E999/PR-22-12 and Docket No. E999/M-22-85

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, 2022

For the Reporting Period:

January 1, 2021 - December 31, 2021*

*Exception for Worksheet 7: **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 (RES)
- Worksheet 3, Green Pricing Program Retail Sales (GP)
- Worksheet 4, Solar Energy Standard Retail Sales (SES)
- Worksheet 5, RES, SES, and Green Pricing Program REC Retirements
- Worksheet 6, Biennial Compliance Reporting Requirements**
- Worksheet 7, 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 Michelle Rosier, at michelle.rosier@state.mn.us or (651) 201-2212 or Trey Harsch, at trey.harsch@state.mn.us or (651) 201-2232

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, email efiling.admin@state.mn.us

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

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85	Attachment 1
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2021 - December 31, 2021
Renewable Energy Certificate Retirement Report for Renewable Energy Standards and Green Pricing Programs	

Report Year: 2021	Date Submitted: June 1, 2022
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FILING UTILITY INFORMATION		CONTACT INFORMATION	
Company ID #	87	Contact Name	Mikayla Thompson
Company Name	Otter Tail Power Company	Contact Title	Business Coordinator
Street Address Line 1	215 S. Cascade Street	Contact Telephone	218-739-8548
Street Address Line 2	PO Box 496	Contact E-Mail	mmthompson@otpc.com
City	Fergus Falls	COMMENTS/NOTES	
State	MN		
Zip Code	56538		

Filing for RENEWABLE ENERGY STANDARDS on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name

Filing for GREEN PRICING PROGRAMS on behalf of:			
Utility Name	Utility Name	Utility Name	Utility Name

Attachment 2

January 1, 2021 - December 31, 2021

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

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85

Attachment 3

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

Reporting Period: **January 1, 2021 - December 31, 2021**

GREEN PRICING Program Sales

TOTAL GREEN PRICING Sales (MWh)	1,442
RECS retired for GREEN PRICING programs	1,442

List the cumulative retail sales of green pricing electricity, including utility-managed community solar, and the number of customers as of December 31, 2021.

Utility ID # (on Worksheet 1)	Utility Name	Program Name	No. of Program Customers	Program Sales (MWh)	Retail Rate (\$/kWh)	Notes
87	Otter Tail Power Company	Tailwinds	193	1,442	0.0339	

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

**SES Retail Sales and
 Solar Renewable Energy Certificates Required to be Retired for SOLAR ENERGY STANDARD Compliance**

Retail Sales Total	2,593,158
SES Excluded Retail Sales	65,520
SES Retail Sales Obligation	2,527,638
SES Total Percentage Obligation	1.50%
SES Small Scale obligation	0.15%
Non-Small Scale obligation	1.35%
Total SRECs Required to be Retired	37,915
Small SRECs to be retired	3,792
Non-Small Scale to be retired	34,124
Total Actual RECs Retired	36,316
Total actual small SRECs retired	2,192
Total actual non-Small Scale retired	34,124

Additional SES Reporting

Projected SES compliance for the current plus three (3) upcoming years. Include banked RECs.

Year	Actual/Projected MN retail sales (MWh) minus SES exempt sales	SES Total Req (MWh)	SES Small Scale Req (MWh)	SES Non-Small Scale Req (MWh)	Projected Total SRECs (MWh)	Projected SRECs less than 40kW (MWh)	Projected SRECs greater than 40kW (MWh)	Projected Total Surplus/ (Deficit) (MWh)	Projected SREC Surplus/(Deficit) less than 40 kW (MWh)	Projected SREC Surplus/(Deficit) greater than 40 kW (MWh)
2021	2,527,638	37915	3792	34123	47276	1389	45887	9361	-2403	11764
2022	2,572,748	38591	3859	34732	57651	3859	53791	19060	0	19059
2023	2,517,079	37756	3776	33981	116563	4041	112522	78807	265	78542
2024	2,525,634	37885	3788	34096	224064	4306	219758	186179	517	185662

Annual solar generation on the utilities' system for the previous calendar year

	Number of Facilities on Utility System	Capacity	Number registered in M-RETS	Capacity registered in M-RETS	SRECs Generated
Less than 40kW	71	1.3	54	1.1	1389
Generation from eligible CSG subscriptions	0	0	0	0	0
Greater than 40kW	1	0.08	1	0.08	49.85

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

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85	Reporting Period:	Attachment 4
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	January 1, 2021 - December 31, 2021	
Renewable Energy Certificate Retirements for Renewable Energy Standards and Green Pricing Programs		

Renewable Energy Standard REC Retirement Account Name:	Minnesota RPS 2021 Compliance
Green Pricing REC Retirement Account Name:	MN 2021 Green Pricing OTP

Total RECs or SRECs		518,632	1,442	2,192	34,124	1 REC = 1 MWh
		RECs retired for RENEWABLE ENERGY STANDARD compliance	GREEN PRICING programs	SRECs retired for Small Scale SOLAR ENERGY STANDARD compliance	SRECs retired for Non-small scale SOLAR ENERGY STANDARD compliance	NOTES
MRETS ID	MRETS Generator Facility Name	Generator Fuel Type				
M539	Luverne Wind Farm - OTP - Luverne Wind Farm - OTP	Wind	92,262			
M1056	GSA, Pembina, ND Border Crossing Station - GSA, Pembina, ND Border Crossing Station	Wind	858			
M154	Langdon Wind LLC - Langdon Wind LLC	Wind	81,825			
M479	Ashtabula Wind Center - Ashtabula Wind Center	Wind	75,317			
M652	Ashtabula Wind III, LLC - Ashtabula Wind III, LLC	Wind	145,685			
M1524	D17-08	Wind	90			
M132	FPL Energy North Dakota Wind II LLC - FPL Energy North Dakota Wind II LLC	Wind	51,610			
M153	Langdon Wind Farm - Langdon Wind Farm	Wind	35,448			
M120	Dayton Hollow Hydro 1 - Dayton Hollow Hydro 1	Hydroelectric Water	4,638			
M121	Dayton Hollow Hydro 2 - Dayton Hollow Hydro 2	Hydroelectric Water	4,604			
M122	Hoot Lake Hydro - Hoot Lake Hydro	Hydroelectric Water	7,510			
M123	Wright Hydro - Wright Hydro	Hydroelectric Water	4,302			
M124	Taplin Gorge Hydro - Taplin Gorge Hydro	Hydroelectric Water	6,227			
M125	Pisgah Hydro - Pisgah Hydro	Hydroelectric Water	7,769			
M127	Bemidji Hydro 2 - Bemidji Hydro 2	Hydroelectric Water	487			
M129	Hendricks Wind I LLC - Hendricks Wind I LLC	Wind		912		
M130	Borderline Wind LLC - Borderline Wind LLC	Wind		530		
M1211	D16-06 - D16-06	Solar			24	
M1214	D17-04	Solar			69	
M1349	D17-04 - D17-04	Solar			26	
M1666	D15-02	Solar			41	
M1684	D18-03	Solar			70	
M1682	D17-14	Solar			22	
M3606	D21-05	Solar			13	
M1665	D14-07	Solar			59	
M1331	D17-03 - D17-03	Solar			36	
M3549	D21-03	Solar			12	
M1528	D16-02	Solar			137	
M3608	D20-06	Solar			37	
M1683	D18-04	Solar			163	
M1209	D16-04 - D16-04	Solar			30	
M3828	D19-08	Solar			10	
M3818	D21-08	Solar			2	
M3364	D21-01	Solar			24	
M2077	D19-01	Solar			42	
M3822	D21-07	Solar			3	
M3823	D21-12	Solar			3	
M2417	D19-07	Solar			49	
M3609	D21-02	Solar			25	
M2830	D19-05	Solar			37	
M893	D13-03 - D13-03	Solar			40	
M1210	D16-05 - D16-05	Solar			51	
M1525	D17-12	Solar			37	
M3824	D21-13	Solar			5	
M2827	D19-06	Solar			53	
M2683	D20-01	Solar			12	
M1546	D17-10	Solar			30	
M1333	D17-06 - D17-06	Solar			13	
M2786	D19-03	Solar			17	
M1532	D18-01	Solar			114	
M1527	D15-08	Solar			32	
M1526	D17-13	Solar			48	
M1334	D17-05 - D17-05	Solar			11	
M3581	D20-05	Solar			12	
M1543	D14-04	Solar			30	
M1208	D16-03 - D16-03	Solar			23	
M1685	D18-02	Solar			9	
M3607	D21-04	Solar			1	
M1212	D16-07 - D16-07	Solar			12	
M1206	D15-04 - D15-04	Solar			46	
M1272	D17-02 - D17-02	Solar			25	

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RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85	Attachment 5
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period: January 1, 2021 - December 31, 2021
Biennial Compliance reporting	
Please report the following items in compliance with the PUC May 28, 2013 Order in Docket No. E999/M-12-958	

RES
Ordering
Point

4.A. & 5.H. The year through which the utility can maintain compliance with its current renewable portfolio*

2035

*Include banked Renewable Energy Credits (RECs)

4.B. & 5.I. Projected RES 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)
2022	2,638,268	20%	527,654	2,516,451	1,988,798
2023	2,582,599	20%	516,520	658,966	2,131,244
2024	2,591,155	20%	518,231	658,966	2,271,980
2025	2,580,363	25%	516,073	658,966	2,414,874

4.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	239,320	10%	43%
SD	49,720	10%	9%

*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.

For the period, Otter Tail's energy mix meets the renewable energy mix objective and standards.

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

Otter Tail has consistently added renewable energy to its resource portfolio as part of its least cost resource planning process. The addition of the 50 MW Hoot Lake Solar project will continue this legacy.

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

While Otter Tail continued to grow its REC inventory from customer owned systems the marketplace for purchasing SRECs outside of Otter Tail's service area was non-existent. With no marketplace to purchase qualifying small SRECs to supplement the Company's other small SRECs, the Company did not meet the small-scale solar 10 percent threshold for 2021.

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

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

With the exception of the small solar portion of the solar energy standard, Otter Tail does not anticipate any obstacles to meeting the objectives and standards.

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

Facility Name	Type	Capacity (MW)	MISO Capacity Accreditation	Expected Comm'l Operation Date
Hoot Lake Solar	Solar	49.9	50%	Mid-2023

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.**

Otter Tail has consistently added renewable energy to its resource portfolio as part of its least cost resource planning process, ensuring that our customer's bills are as low as practicable.

SES Utilites Only

Ongoing efforts to meet SES objective and a brief summary of project mix for SES compliance.

Otter Tail's solar projects, including its Hoot Lake Solar project, continue to move us toward SES compliance.

Discussion on efforts to reach the 2030 goal that 10% of MN retail sales be generated by solar energy (Attch A, 14)

Otter Tail's Hoot Lake Solar project as well as our five-year action plan in our open Integrated Resource Plan, Docket No. E017-RP-21-339, include solar projects that continue to move us toward the 2030 goal.

SES - A summary of progress toward compliance with the ten percent carve out for systems under 40 kW.

Otter Tail's Annual Report on Progress in Achieving the Solar Energy Standard, filed in Docket No. E-999/M-20-464 on June 1, 2020, describes the challenges that Otter Tail faces meeting the 10 percent less than 40-kilowatt (small-scale) requirement. Otter Tail has relied on many strategies to meet the small-scale requirement which include projects in the following areas: Made in Minnesota solar, two solar projects owned by Otter Tail, Publicly Owned Property (POP) solar, purchasing qualifying small SRECs, and standard customer solar installations (non-rebated).

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RENEWABLE ENERGY STANDARDS and GREEN PRICING PROGRAMS

Minnesota Public Utilities Commission: Docket No. E999/PR-22-12 and Docket No. E999/M-22-85		Attachment 6
Minnesota Department of Commerce: Docket No. E999/PR-02-1240	Reporting Period:	January 1, 2021 - December 31, 2021
M-RETS RECs Bought and Sold		
Ordering pt. 4C requires reporting REC sales & purchases for the 2 preceding calendar years		

REC Purchases Total	10,245
REC Sales Total	0

Enter REC data for the 2 preceding calendar years.				
Wholesale REC Purchases	Wholesale REC Sales	PRICE	Type of purchase	NOTES
864		19.99		Otter Tail did not sell any MN allocated RECs
9,381		1.5		Small solar RECs (from 40 kw or smaller)
				Solar RECs (larger than 40 kw)