

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

| | | |
|---|--|---|
| 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 | | |

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 2 |
| Minnesota Department of Commerce: Docket No. E999/PR-02-1240 | Reporting Period: January 1, 2021 - December 31, 2021 |
| Total Retail Sales to Minnesota Customers and Renewable Energy Certificates Required to be Retired for RENEWABLE ENERGY STANDARD Compliance | |

| | |
|-----------------------------|---------|
| Retail Sales Total | 732,511 |
| RES Percentage Obligation | 20% |
| RECs Required to be Retired | 146,503 |
| Actual RECs Retired | 146,503 |

| |
|---------------------------------------|
| Enter current reporting year data. |
|---------------------------------------|

| Utility ID # | Utility | Retail Sales Amount (MWh) | Notes |
|--------------|--|---------------------------|-------|
| 10 | BENCO Electric | 54,972 | |
| 6 | Brown County Electrical Assn | 8,299 | |
| 40 | Federated Rural Electric Assn(1) | 62,979 | |
| 41 | Freeborn Mower Cooperative Services | 254,455 | |
| 70 | Minnesota Valley Electric Cooperative | 66,504 | |
| 148 | Nobles Cooperative Electric | 22,159 | |
| 89 | Peoples Energy Cooperative | 114,075 | |
| 96 | Redwood Electric Cooperative | 34,485 | |
| 110 | Sioux Valley Energy | 17,575 | |
| 109 | South Central Electric Assn | 25,086 | |
| 114 | Steele Waseca Cooperative Electric | 28,116 | |
| 118 | MiEnergy | 43,806 | |
| | | | |
| | | | |
| 228 | (1) Village of Dundee included - 657.8 MWh | | |

| | |
|---|--|
| 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) | 1,265 |
| RECS retired for GREEN PRICING programs | 1,265 |

| 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 |
| 10 | BENCO Electric | Renewable Energy | 33 | 308 | \$0.1362 This is the blended cost. 25/100;50/50 ar |
| 6 | Brown County Electrical Assn | Green Plan | 9 | 100 | \$0.1435 This is the blended cost. 25/100;50/50 ar |
| 41 | Freeborn Mower Cooperative Services | Renewable Energy | 12 | 65 | \$0.0080 adder |
| 70 | Minnesota Valley Electric Cooperative | Green Plan | 27 | 87 | \$0.1390 This is the blended cost. 25/100;50/50 ar |
| 148 | Nobles Cooperative Electric | Living Green | 22 | 132 | \$0.1800 This is the blended cost. 25/100;50/50 ar |
| 96 | Redwood Electric Cooperative | Renewable Energy | 17 | 112 | \$0.1390 This is the blended cost. 25/100;50/50 ar |
| 110 | Sioux Valley Energy | Renewable Energy | 8 | 78 | \$0.1480 This is the blended cost. 25/100;50/50 ar |
| 109 | South Central Electric Assn | Renewable Energy | 18 | 177 | \$0.1456 This is the blended cost. 25/100;50/50 ar |
| 114 | Steele Waseca Cooperative Electric | Renewable Energy | 12 | 137 | \$0.1216 This is the blended cost. 25/100;50/50 ar |
| 118 | MiEnergy | Renewable Energy | 9 | 69 | \$0.1630 This is the blended cost. 25/100;50/50 ar |
| | | | | | |
| | | | | | |

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

| | |
|--------------------------------------|-------|
| Retail Sales Total | |
| SES Excluded Retail Sales | |
| SES Retail Sales Obligation | 0 |
| SES Total Percentage Obligation | 1.50% |
| SES Small Scale obligation | 0.15% |
| Non-Small Scale obligation | 1.35% |
| Total SRECs Required to be Retired | 0 |
| Small SRECs to be retired | 0 |
| Non-Small Scale to be retired | 0 |
| Total Actual RECs Retired | 0 |
| Total actual small SRECs retired | 0 |
| Total actual non-Small Scale retired | 0 |

EXEMPT FROM REQUIREMENT

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) |
|------|---|---------------------|------------------------------|----------------------------------|--------------------------------------|--|---|--|---|--|
| 2019 | | 0 | 0 | 0 | | | | 0 | 0 | 0 |
| 2020 | | 0 | 0 | 0 | | | | 0 | 0 | 0 |
| 2021 | | 0 | 0 | 0 | | | | 0 | 0 | 0 |
| 2022 | | 0 | 0 | 0 | | | | 0 | 0 | 0 |

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 | | | | | |
| Generation from eligible CSG subscriptions | | | | | |
| Greater than 40kW | | | | | |

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 4 |
| Minnesota Department of Commerce: Docket No. E999/PR-02-1240 | Reporting Period: 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: | 2021 Southern MN Energy RES |
| Green Pricing REC Retirement Account Name: | 2021 Southern MN Energy Green Pricing |

| Total RECs or SRECs | | | 146,503 | 1,265 | 0 | 0 | 1 REC = 1 MWh |
|---------------------|--|---------------------|--|--|--|--|---------------|
| | | | RECs retired for RENEWABLE ENERGY STANDARD compliance | RECs retired for GREEN PRICING programs | SRECs retired for <u>Small Scale</u> SOLAR ENERGY STANDARD compliance | SRECs retired for <u>Non-small scale</u> SOLAR ENERGY STANDARD compliance | NOTES |
| MRETS ID | MRETS Generator Facility Name | Generator Fuel Type | Unit Name | Fuel Type | Quantity (REC) | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 6195 | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | | 1265 | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 24626 | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 15662 | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 26670 | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 7774 | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 28528 | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 9005 | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 8418 | | |
| M558 | Whispering Willow Wind Farm-East - Wt Wind | | | | 19625 | | |

| | |
|---|--|
| 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* 2025

*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 | 750000 | 20 | 150000 | 303000 | 153000 |
| 2023 | 755000 | 20 | 151000 | 305000 | 154000 |
| 2024 | 760000 | 20 | 152000 | 307000 | 155000 |
| 2025 | 532000 | 25 | 133000 | 215000 | 82000 |

i.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 (%)* |
|-------|-------------------|--------------|---|
| None | | | |
| | | | |
| | | | |

*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.

98% wind, 2% solar received via Alliant Energy

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

Will meet

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

None

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

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 |
|---------------|------|---------------|--------------------------------|-----------------------------------|
| None | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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.

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 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 | 0 |
| REC Sales Total | 0 |

| Enter REC data for the 2 preceding calendar years. | | | | |
|--|---------------------|-------|------------------|-------|
| Wholesale REC Purchases | Wholesale REC Sales | PRICE | Type of purchase | NOTES |
| None | | | | |