

Renewable Energy Annual Report

Revised February 2022

Electric Provider: **City of Stephenson**

Reporting Period: Calendar Year 2021

- Section 51(1) of 2008 PA 295, as amended by 2016 PA 342, requires the filing of this document with the Michigan Public Service Commission.
- The purpose of this annual report is to provide information regarding activities that occurred within calendar year 2021.
- Many of the requested figures are available from MIRECS reports; names of which are noted within this template. If your figures agree with those within MIRECS, you may submit the MIRECS report as an attachment to this annual report. If your figures differ from those within MIRECS, please explain any discrepancies. Staff from the MPSC and MIRECS Administrator, APX, Inc., are available to help reconcile.

Section 51(1).

Within this section, list and describe actions taken by the electric provider to comply with the renewable energy standards.

- a. Filings to the Commission (case numbers)

U-16633

- b. Summary of actions taken during reporting period

Stephenson obtains RECs from their wholesale supplier Wisconsin Public Service. Wisconsin Public Service provides RECS to the city as needed. The 2020 Annual Report was submitted on June 30th, 2021 and subsequently approved by the MPSC.

Section 51(2)(a).

Within this section, list the combined total number of vintage 2021 renewable energy credits and incentive credits generated, and renewable energy credits purchased by vintage during the reporting period, including those credits transferred from a wholesale electric supplier. This data may be found in the MIRECS report titled: My Credit Transfers using the transfer tabs indicated below and filtering the report by date (**only activity occurring in 2021**).

Credits	Combined Renewable Energy Credits and Incentive Credits
Generated (Intra-Account Transfer, only "Issued" in the Action column)	-
Purchased (Inter-Account Transfer, only "Confirm" or "Forward Transfer" in the Action column)	2020 Vintage: 520
Total Credits	520

"Issued" within the Action column refers to an account holder accepting the generation data after which energy credits are created. "Confirm" within the Action column refers to both the transferee and transferor agreeing to the non-recurring transfer. "Forward Transfer" within the Action column indicates a recurring transfer of which subsequent transfers of credits do not need to be accepted by both parties.

Explain any differences between the data provided and MIRECS reports.

MIRECS 2021 Compliance sub-account reports shows 2021 REC requirement fulfillment, the table above from Section 51(2)(a) shows only activity that occurred in 2021, which only included the 2020 vintage RECs with "Confirm" or "Forward Transfer" within the Action column of the Inter-Account Transfer section of the My Credit Transfers MIRECS page. Stephenson fulfilled the 2021 Compliance requirement through a REC transfer that occurred in 2019-2020.

Within this section, list the type of and number of energy credits sold, traded or otherwise transferred during the reporting period (**only activity occurring in 2021**).

	Combined Renewable Energy Credits and Incentive Credits
Sold, traded or otherwise transferred	-

To get a count of energy credits that have been sold, traded or otherwise transferred data may be found in the MIRECS report titled: My credit transfers; inter-account transfer; filter by 1) year (2021) 2) transferor (the company) and 3) action ("confirm").

Section 51(2)(c).

Within this section, list each renewable energy system (RES) owned, operated or controlled by the electric provider. List the capacity of each system, the amount of electricity generated by each system and the percentage of electricity which was generated from renewable energy (RE).

System Name ¹	System Type (RES)	Nameplate Capacity (MW)	Electricity Generated (MWh)	% of Electricity generated by RE/ ACE
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

¹System name should agree with the project name listed within MIRECS. This data may be found in the Project Management module within MIRECS.

Within this section, list the renewable energy system (RES) the electric provider is purchasing energy credits from. These include purchase power agreements. However, unbundled (credit only) purchases do not need to be listed here. Projects (generators) serving multijurisdictional electric providers should be listed here.

System Name	System Type (RES)	Electricity Purchased (MWh)	Energy Credits Purchased ¹	Allocation Factor and Method
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

¹Distinguish between different types of credits (REC).

Allocation Factor and Method: For use if 100% of system output is not purchased. For instance, a system selling to multiple parties: list how the energy and credits are allocated – if by percentage, list the percentage as well.

Allocation Factor and Method: If used by multijurisdictional electric providers please include which percentage of energy and credits are to be distributed to Michigan (list allocation method as well, for example: system load).

Section 51(2)(d).

Within this section, list whether, during the reporting period, the electric provider entered into a contract for, began construction on, continued construction of, acquired, or placed into operation a renewable energy (RE) system.

System Name ¹	Resource (technology, RE)		Nameplate Capacity (MW)	Construction start date or acquisition date	Commercial operation date	Owned by electric provider?
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

¹System name should agree with the project name listed within MIRECS.

Dates may be forecast.

Section 51(2)(e).

Within this section, list the expenditures incurred during the reporting period to comply with the renewable energy standards or the forecasted expenditures for the remaining plan period. Also, electric providers with an approved or planned renewable energy surcharge (as per Section 45), list the incremental cost of compliance (ICC) incurred during the reporting period.

Total Costs to Comply with Renewable Energy Standard in 2021

Forecast of total expenditures for the remaining plan period of 2022-2029

Total Expenditures: ICC + Transfer Cost

Total Transfer Cost for 2021 (if any)

Transfer Cost: The component of renewable energy and capacity revenue recovered from PSCR clause.

Total ICC for 2021

Note: City chose to use Cost of RECs method to calculate the ICC

Forecast of the ICC for the remaining plan period (2022-2029)	Monthly residential surcharge (\$3 or less)

Capital Expenditures for 2021 (if any)

Capital Expenditure: An investment in a renewable energy capital asset.

Section 51(2)(f).

Within this section, list the method and the retail sales in MWh for the reporting period.

List the Method: either average of 2018-2020 retail sales or the 2020 weather normalized retail sales.

Average of 2018-2020 Retail Sales

The method chosen should be consistent with the method approved in the initial plan case from 2017. All sales are retail (net of wholesale).

(A) List the sales in MWh based on the method selected above. Please show the calculation of this figure (including listing the sales of each year if the three-year average method is used).

2018 Retail Sales: 6,331 MWh
2019 Retail Sales: 6,280 MWh
2020 Retail Sales: 6,148 MWh
Three-Year Average Retail Sales: 6,253 MWh

(B) Compliance: List the energy credits used for compliance for the 2021 compliance year. This number should agree with the compliance requirement listed in the 2021 compliance subaccount in MIRECS. Take into account any energy waste reduction substitutions and limits on their use.

Used for 2021 Compliance: 938

Calculate the renewable energy percentage. Figure above divided by sales in MWh above (B divided by A).

$938 / 6,253 = 15\%$
