

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter, on the Commission's own motion,)
regarding the regulatory reviews, revisions,)
determinations, and/or approvals necessary for)
the CITY OF CHARLEVOIX to fully comply with)
Public Act 295 of 2008)
_____)

Case No. U-16601

SUBMITTAL OF RENEWABLE ENERGY ANNUAL REPORT

In accordance with the Michigan Public Service Commission's Order issued March 29, 2018, the City of Charlevoix hereby submits the attached Renewable Energy Annual Report for 2018.

Respectfully submitted,

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Dated: June 28, 2019

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Renewable Energy Annual Report

Revised June 2019

Electric Provider: **City of Charlevoix**

Reporting Period: Calendar Year 2018

- 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 2018, not simply activity regarding energy credits with the vintage of 2018.
- 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-16601

- b. Summary of actions taken during reporting period

As in previous years, Charlevoix obtained all of their required energy credits from the Landfill Gas Project (Granger and North American Natural Resources (NANR) Projects). The 2017 Annual Report was submitted on June 30th, 2018 and subsequently approved by the MPSC.

Section 51(2)(a).

Within this section, list the number of energy credits obtained and, if bundled credits, the MWh of electricity generated or otherwise acquired during the reporting period, including those credits transferred from ones 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 2018).

Credits From	Renewable Energy Credits	Incentive Credits	MWh Electricity Generated/Acquired
Generated (Intra-Account Transfer, only "Issued" in the Action column)	-	-	-
Purchased (Inter-Account Transfer, only "Confirm" or "Forward Transfer" in the Action column)	2017 Vintage: 3,927 2016 Vintage: 635	2017 Vintage: 363 2016 Vintage: 396	2017: 3,927 2016: 635
Total Credits	4,562	759	4,562

"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 2018 Compliance sub-account reports shows 2018 REC requirement fulfillment, the table above from Section 51(2)(a) shows only activity that occurred in 2018, which only included the 2016 and 2017 vintage RECs with "Confirm" or "Forward Transfer" within the Action column of the Inter-Account Transfer section of the My Credit Transfers MIRECS page. Charlevoix fulfilled the 2018 Compliance requirement through a REC transfer that occurred in June 2019.

Within this section, list the type of and number of energy credits sold, traded or otherwise transferred during the reporting period.

	Renewable Energy Credits	Incentive Credits
Sold, traded or otherwise transferred	-	-
Expired (not in compliance sub-account)	-	-

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 (2018) 2) transferor (the company) and 3) action (“confirm”).

To get a count of energy credits that have expired during a reporting year and that are not within the compliance sub-account use the report titled My Sub-Accounts, filter by 1) active tab, 2) Michigan eligibility (“no”) and 3) the end date for the reporting year (between 1/1/2018 and 12/31/2018).

Section 51(2)(b).

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 Name¹	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
Landfill Gas Project – Granger	RES	4,239	4,239 RECs 389 iRECs	Percentage – 4.07%
Landfill Gas Project - NANR	RES	919	919 RECs 86 iRECs	Percentage – 4.07%
-	-	-	-	-

Differences between MWh and Energy Credit values due to credit rounding

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)(c).

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?
Solar	Solar	-	0.40	5/1/2020	1/1/2021	No
Solar	Solar	-	0.50	12/1/2020	1/1/2022	No
-	-	-	-	-	-	-

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

Dates may be forecast.

Section 51(2)(d).

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 2018
\$480,577

Forecast of total expenditures for the remaining plan period of 2019-2029
\$9,930,749

Total Expenditures: ICC + Transfer Cost

Total Transfer Cost for 2018 (if any)
\$511,649

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

Total ICC for 2018
\$(27,350)

Forecast of the ICC for the remaining plan period (2019-2029)	Monthly residential surcharge (\$3 or less)
\$4,496,980	-

Capital Expenditures for 2018 (if any)
-

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

Section 51(2)(e).

Compliance: List the energy credits used for compliance for the 2018 compliance year. This number should agree with the compliance requirement listed in the 2018 compliance subaccount in MIRECS. Take into account any energy optimization or advanced cleaner energy credit substitutions and limits on their use.

Required: 5,966 Used for 2018 Compliance: 5,966
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Does the “energy credits used for compliance for the 2018 compliance year” figure above include any credits representing energy generated within 120 days after the start of the next calendar year? Yes/No.

No

If yes, how many credits from 2019 generation are included?

N/A

To be used for 2019 Compliance Year

List the sales in MWh based upon the same method selected above. Sales should either be the average of 2016-2018 retail sales or the 2018 weather normalized retail sales. **Please show the calculation of this figure (including listing the sales of each year if the three-year average method is used).**

2016 Retail Sales: 58,076 MWh 2017 Retail Sales: 56,900 MWh 2018 Retail Sales: 58,391 MWh Three-Year Average Retail Sales: 57,789 MWh
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