Renewable Energy Annual Report

Revised February 2021

Electric Provider:
Reporting Period: Calendar Year 2020

- 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 2020.
- 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-16619

b. Summary of actions taken during reporting period

-Completed Construction of NextEra Wind (Pegasus – 68 MW) in July 2020. -Completed Construction of Part 1 of Ranger/Assembly Solar (10MW) in November 2020. -Started construction on Part 2 of Ranger/Assembly Solar (70MW – COD Q3 2021). -Renewed PPA with EDL for three landfill gas generators (Granger Wood Rd 1&2, Granger Grand River) -Continued in planning for 25 MW Solar w/NextEra (2 projects) in BWL's service territory, part of which will be a brownfield project on a former Type III landfill used for disposal of coal ash (COD 2022). -Achieved stated goal of 30% clean energy by 12/31/20.

Section 51(2)(a).

Within this section, list the combined total number of vintage 2020 renewable energy credits and incentive credits, generated or purchased 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 2020).**

Credits From	Combined Renewable Energy Credits and Incentive Credits 2020 Vintage Only
Generated (Intra-Account Transfer, only "Issued" in the Action column)	498
Purchased (Inter-Account Transfer, only "Confirm" or "Forward Transfer" in the Action column)	359,722
Total Credits	360,220

"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.

The MWh of electricity acquired for Beebe 1b and Tower Kleber do not match the MIRECs generation input. Per contractual agreement with Tower Kleber and Beebe 1b, the financial reporting may not reflect the actual meter reads at the generator or the information entered in MIRECS. The MWh above reflect BWL accounting system values based on actual settlements. MWh received from Assembly Solar includes testing and start up energy generated before the start of the PPA.

Within this section, list the type of and number of vintage 2020 energy credits sold, traded or otherwise transferred during the reporting period.

	Combined Renewable Energy Credits and Incentive Credits 2020 Vintage Only
Sold, traded or otherwise transferred	1,224

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 (2020) 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**
Moores Park Hydro	RES	0.5	0	N/A
Cedar Street Solar	RES	0.054	21.54	100%
REO Town Solar	RES	0.013	17.9	100%
Cedar St Solar Expansion	RES	0.104	119.6	100%
Delta Solar I	RES	8.1	14,431.38	100%
Delta Solar IIa	RES	12.0	21,063.59	100%
Delta Solar IIb	RES	3.9	6,719.95	100%

[1]System 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
Tower-Kleber Hydro	RES	8,378	RECs – 8379 IRECs – 787	100%
Granger Electric Company/EDL – Grand River #1, Wood Rd # 1&2	RES	73,234	RECs – 73,212 IRECs – 6,828	100%
Beebe Wind 1b - Exelon Generation LLC	RES	54,684	REC - 54,699	38% - 19.2 MW of 50.4 MW
NextEra Energy – Pegasus Wind	RES	83,217	REC – 83,216	100%
D.E Shaw Renewable Investment LLC – Assembly Solar 1	RES	466	REC – 148 IREC - 30	100%

[1]Distinguish 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?
NA						

[1]System 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 2020
$14,769,134

Forecast of total expenditures for the remaining plan period of 2021-2029
$119,593,320

Total Expenditures: ICC + Transfer Cost

Total Transfer Cost for 2020 (if any)
$12,885,253

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

Total ICC for 2020
$1,883,881

Forecast of the ICC for the remaining plan period (2021-2029)	Monthly residential surcharge ($3 or less)
$3,063,005	$0

Capital Expenditures for 2020 (if any)
$0

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 2017-2019 retail sales or the 2019 weather normalized retail sales.

Average of 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).

Average of 17-19 = 2,078,143; 2017 = 2,096,597; 2018 = 2,119,742; 2019 = 2,018,091

(B) Compliance: List the energy credits used for compliance for the 2020 compliance year. This number should agree with the compliance requirement listed in the 2020 compliance subaccount in MIRECS. Take into account any energy waste reduction substitutions and limits on their use.

259,743

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

12.5%

Does the “energy credits used for compliance for the 2020 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 2021 generation are included?

N/A

To be used for 2021 Compliance Year

Similar to (A) from Section 51(2)(f) above.

List the sales in MWh based upon the same method selected above. Sales should either be the average of 2018-2020 retail sales or the 2020 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).

Average of 18-20 = 2,039,360; 2018 = 2,119,742; 2019 = 2,018,091; 2020 = 1,980,247