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July 21, 2023

Lisa Felice  
Acting Executive Secretary  
Michigan Public Service Commission  
7109 West Saginaw Highway  
3rd Floor  
Lansing, MI 48917

Re: U-16593 – 2022 Renewable Energy Annual Report

Dear Ms. Felice:

Enclosed for electronic filing in the above-referenced matter, please find Great Lakes Energy Cooperative's Renewable Energy Annual Report for calendar year 2022.

If you have any questions, please contact me.

Sincerely,

**Dykema Gossett PLLC**

Richard J. Aaron

Renewable Energy Annual Report

*Revised February 2023*

Electric Provider: Great Lakes Energy Cooperative

Reporting Period: Calendar Year 2022

- The purpose of this annual report is to provide information regarding activities that occurred within calendar year 2022.
- 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(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 <sup>1</sup>	System Type (RES)	Nameplate Capacity (MW)	Electricity Generated (MWh)	% of Electricity generated by RE/ACE
N/A				

<sup>1</sup>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 <sup>1</sup>	Allocation Factor and Method
Deerfield Wind Farm	RES	187,744 MWh	187,744 REC	33.8%
SpartanSolar	RES	1,359 MWh	1,359 REC 1,748 IREC	36.6% 50.3%

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)(f).**

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

List the Method: either average of 2019-2021 retail sales or the 2021 weather normalized retail sales.

Average of 2019-2021 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).

2019 Retail Sales: 1,539,061 MWh  
2020 Retail Sales: 1,564,325 MWh  
2021 Retail Sales: 1,592,208 MWh  
3-year Average: 1,565,198 MWh

(B) 15% RPS Portfolio: List the energy credits used for the 15% RPS portfolio for the 2022 compliance year. This number should agree with the compliance requirement listed in the 2022 compliance subaccount in MIRECS. Take into account any energy waste reduction substitutions and limits on their use.

234,780

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

15.0%