

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter, on the Commission’s own motion,	)	
to establish a workgroup to conduct an	)	
electric grid integration study and to make	)	Case No. U-21251
recommendations to improve the readiness of the	)	
distribution system for distributed energy resources	)	
and electric vehicle infrastructure.	)	
_____	)	

At the December 21, 2022 meeting of the Michigan Public Service Commission in Lansing, Michigan.

PRESENT: Hon. Daniel C. Scripps, Chair  
Hon. Tremaine L. Phillips, Commissioner  
Hon. Katherine L. Peretick, Commissioner

**ORDER**

In the October 17, 2019 order in Case No. U-20645, the Commission established the MI Power Grid initiative in partnership with Governor Gretchen Whitmer (October 17 order). MI Power Grid is a multi-year, focused stakeholder initiative, established for the purpose of maximizing the benefits of the transition to clean distributed energy resources for Michigan businesses and residents. MI Power Grid’s intent is to engage utility customers and other stakeholders to assist in the integration of new clean energy technologies and the optimization of grid investments for reliable, affordable electricity service.

The October 17 order addressed the *Integrating Emerging Technologies* workstream, indicating its objective of “[e]nsuring timely and fair grid access and appropriate information

exchange to support customer-oriented solutions and reliable system operations[.]” and set forth a related work area:

Data access and privacy, including review and refinement of protocols to ensure information is available to end-use customers and appropriate third parties for use in making energy investment decisions (e.g., solar, energy efficiency) while ensuring that personally identifiable and critical energy infrastructure information is kept secure and private.

October 17 order, p. 7 (emphasis omitted).

The initial October 15, 2020 MI Power Grid Status Report suggested that the Commission consider integrating the customer data access and privacy portion of the *Integrating Emerging Technologies* work area into the customer engagement work area. 2020 MI Power Grid Status Report, Case No. U-20645, filing #U-20645-0004, p. ii. The Commission agreed with the suggestion and, in the February 18, 2021 order in Case No. U-20959, established the Customer Education and Participation workgroup and integrated the Customer Data Access and Privacy work area into this workgroup.

The second MI Power Grid Status Report, filed in Case No. U-20645 on September 30, 2021, noted that the Commission had ordered Consumers Energy Company and DTE Electric Company “to submit ‘go/no go maps’ as a first step toward hosting capacity studies in their 2021 distribution plans.” 2021 MI Power Grid Status Report, Case No. U-20645, filing #U-20645-0017, p. 21. The report also recommended that the Commission undertake a study to respond to Michigan Senate Resolution No. 143 of 2020 (SR 143), which encouraged the Commission:

“to undertake a study on reliability, interconnection, and related grid integration issues for distributed energy, including the potential growth of distributed energy systems, changes to system design and operations, and system benefits, costs, and other impacts” and to “coordinate with electric utilities and other parties on distribution circuit-level data collection, modeling, and analysis to examine and monitor the capacity for, and constraints to, interconnecting additional distributed energy resources, as well as technology and operation options to mitigate reliability impacts and maximize customer and system benefits.”

*Id.* (quoting SR 143, available at <http://legislature.mi.gov/documents/2019-2020/resolutionadopted/Senate/pdf/2020-SAR-0143.pdf> (accessed December 19, 2022)).

Accordingly, the July 7, 2022 order in Case No. U-21251 established the Distribution System Data Access workgroup as part of Phase III of the MI Power Grid effort. July 7 order, pp. 2-3. The July 7 order set forth three intentions for the workgroup’s scope. The first intention was for the Commission Staff (Staff) to work with the National Renewable Energy Laboratory (NREL) to develop a bi-directional hosting capacity study methodology which “will assist in defining the maximum amount of DG [distributed generation] systems and EV [electric vehicle] charging infrastructures that can be accommodated on a segment of the distribution system without compromising power quality and reliability or requiring additional controls or infrastructure upgrades.” *Id.*, p. 8. The second intention was for the Staff to work with NREL to identify utility and stakeholder data-related and privacy-related considerations for the purpose of exploring:

how the information gathered from the stakeholder meetings with those in the DG and EV communities can be used to improve upon existing (or help in the development of new) publicly available hosting capacity maps, and [to] better understand what data privacy and security concerns must be considered when improving upon or developing publicly available hosting capacity maps.

*Id.*, p. 9. The third intention was for the Distribution System Data Access workgroup to work “with NREL to conduct, assemble, and submit to the Michigan Senate the results of a grid integration study as requested in SR 143.” *Id.*, p. 10. The grid integration study was to include (but not be limited to) assessments of grid reliability, the potential growth of distributed energy systems, changes to the design and operations of the grid, grid system costs and benefits, and “coordinating with electric utilities to better understand how hosting capacity tools interact with the pre-application interconnection request process for DG systems and EV charging infrastructure.” *Id.*, pp. 10-11.

The July 7 order set a deadline for the final grid integration report to be filed by the Staff not later than December 31, 2022. Following recent discussions and in light of the broad and highly technical scope of these topics, the Commission finds that the deadline for the filing of the final grid integration report in this docket should be extended to June 30, 2023.

THEREFORE, IT IS ORDERED that, no later than June 30, 2023, the Commission Staff shall file in this docket a final grid integration report as summarized in this order.

The Commission reserves jurisdiction and may issue further orders as necessary.

MICHIGAN PUBLIC SERVICE COMMISSION

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Daniel C. Scripps, Chair

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Tremaine L. Phillips, Commissioner

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Katherine L. Peretick, Commissioner

By its action of December 21, 2022.

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Lisa Felice, Executive Secretary

# PROOF OF SERVICE

STATE OF MICHIGAN )

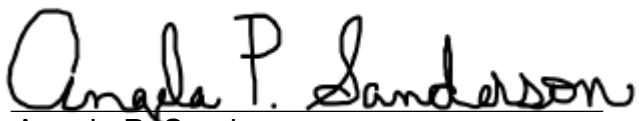
Case No. U-21251

County of Ingham )

Brianna Brown being duly sworn, deposes and says that on December 21, 2022 A.D. she electronically notified the attached list of this **Commission Order via e-mail transmission**, to the persons as shown on the attached service list (Listserv Distribution List).

  
Brianna Brown

Subscribed and sworn to before me  
this 21<sup>st</sup> day of December 2022.



Angela P. Sanderson  
Notary Public, Shiawassee County, Michigan  
As acting in Eaton County  
My Commission Expires: May 21, 2024

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