

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

* * * * *

In the matter of the application of	)	
NORTHERN STATES POWER COMPANY	)	
for approval of interconnection procedures pursuant	)	
to R 460.920 and R 460.928.	)	Case No. U-21455
_____	)	

At the April 17, 2026 meeting of the Michigan Public Service Commission in Lansing,
Michigan.

PRESENT: Hon. Daniel C. Scripps, Chair
Hon. Katherine L. Peretick, Commissioner
Hon. Shaquila Myers, Commissioner

ORDER

On April 24, 2023, the Commission issued an order in Case No. U-20890 adopting the Interconnection and Distributed Generation Standards (MIXDG rules), which are codified at Mich Admin Code, R 460.901a *et seq.*, and became effective on April 25, 2023. The MIXDG rules include requirements for electric utilities to allow interconnection of limited-exporting or non-exporting distributed energy resources (DERs). Mich Admin Code, R 460.980(4) (Rule 80(4)), reads, in pertinent part:

An electric utility shall allow interconnection of limited-export or non-exporting DERs according to this subrule. If a DER uses any configuration or operating mode in this subrule to limit the export of electrical power across the point of common coupling, then the capacity must be only the amount capable of being exported, not including any inadvertent export. To prevent impacts on system safety and reliability, any inadvertent export from a DER must comply with the limits in subdivisions (e) or (f) of this subrule. The export capacity specified by the applicant in the application must be included as a limitation in the interconnection

agreement. Other means not listed in this subrule may be utilized to limit export if mutually agreed upon by the electric utility and applicant.

Also included in the MIXDG rules, Mich Admin Code, R 460.942 (Rule 42) governs the track review of non-export DERs.

On March 13, 2025, the Commission approved interconnection procedures, forms, and agreements for Northern States Power Company, a Wisconsin corporation (NSP-W) in Case No. U-21455 (March 13 order). Along with the approval, NSP-W was also granted temporary waivers from the provisions of Rule 42 and Rule 80(4) based on the fact that the limited supervisory control and data acquisition (SCADA) capabilities and power relays in its distribution system prevent the company from performing sufficient monitoring of the potentially unsafe operating conditions caused by limited-export and non-export DERs interconnected on feeders served by substations. March 13 order, pp. 7-10, 15. The grant of the temporary waivers was conditioned upon the company complying with the Commission Staff's (Staff's) request to meet with NSP-W's distribution engineers. *Id.*, p. 10. The company fulfilled this request on August 4, 2025, when the Commission's Interconnection & Distributed Energy Resource section met with NSP-W's electric distribution engineer to discuss non-export and limited-export track reviews.

On October 27, 2025, NSP-W filed an application in Case No. U-21987 requesting *ex parte* approval of an extension of the temporary waivers from the non-export track review requirements of Rule 42 and the limited-export and non-export DER requirements of Rule 80(4) that has since been withdrawn. In the application filed in that docket, NSP-W averred that its limited SCADA capabilities and power relays in its distribution system continue to prevent the company from performing the required monitoring. *See*, March 13 order, pp. 7-8. However, after the August 4, 2025 meeting, NSP-W revised its interconnection procedures to reflect current system capabilities and feedback from the Staff. Thereafter, NSP-W withdrew the application for an extension of the

two waivers filed in Case No. U-21987, and on January 27, 2026, NSP-W submitted a letter to the instant docket with a copy of the company's proposed revised interconnection procedures. NSP-W states that the proposed revised procedures reflect the expiration of the above-described waivers granted in the March 13 order. *See*, January 27, 2026 letter and attachment.

In its proposed procedures, NSP-W has revised Sections 11 and 12 of its current procedures to remove language referencing the previously granted waivers and add language regarding new requirements for limited-export and non-export projects where applicable. In light of its limited SCADA capabilities and power relays that do not extend to the grid edge, for limited-export projects the company now requires that the customer utilize hard derated inverters or inverters that limit setting access to the end user. These inverters will allow manufacturers to remotely adjust settings to meet NSP-W's limited-export requirements and will prohibit customers from changing settings. NSP-W has finalized its list of approved inverter models and shared it with the Staff, and will make it available to customers upon request. For non-export projects, the company now requires relays for reverse power flow detection for large behind-the-meter (BTM) DER applications.

The Commission finds that NSP-W has updated its interconnection procedures to align with Rules 42 and 80(4). The revised procedures reflect the company's current operational limitations while maintaining appropriate protections for the distribution system. Specifically, the Commission finds that the use of hard derated inverters or inverters with restricted end-user access for limited-export projects provides a reasonable mechanism to ensure compliance while real-time monitoring capabilities are not yet fully developed. In addition, the requirement for reverse power flow detection relays for larger non-export BTM DER installations provides an appropriate safeguard against unintended export conditions. The Commission finds that NSP-W's revised

interconnection procedures reasonably address the operational limitations identified by the company while maintaining protections for system safety and reliability. The Commission encourages NSP-W to continue evaluating inverter-based controls and settings that could enable non-export and limited-export functionality without the need for external relaying or inverter derating. Incorporating the advancements in inverter standards and capabilities could allow more customers to access non-export and limited-export configurations while continuing to maintain system safety and reliability. Accordingly, NSP-W is encouraged to investigate and incorporate these approaches into its interconnection procedures where appropriate.

The Commission approves NSP-W's January 27, 2026 revised interconnection procedures as filed.

THEREFORE, IT IS ORDERED that:

A. Northern States Power Company's revised interconnection procedures are approved as filed on January 27, 2026 in Case No. U-21455. Within 30 days of the date of this order, Northern States Power Company shall file in this docket a clean version of the revised interconnection procedures reflecting the revisions approved in this order.

B. Northern States Power Company shall implement the approved revised interconnection procedures consistent with the findings in this order.

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

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26. To comply with the Michigan Rules of Court's requirement to notify the Commission of an appeal, appellants shall send required notices to both the Commission's Executive Secretary and to the Commission's Legal Counsel.

Electronic notifications should be sent to the Executive Secretary at LARA-MPSC-Edockets@michigan.gov and to the Michigan Department of Attorney General - Public Service Division at SheaC1@michigan.gov. In lieu of electronic submissions, paper copies of such notifications may be sent to the Executive Secretary and the Attorney General - Public Service Division at 7109 W. Saginaw Hwy., Lansing, MI 48917.

MICHIGAN PUBLIC SERVICE COMMISSION

Daniel C. Scripps, Chair

Katherine L. Peretick, Commissioner

Shaquila Myers, Commissioner

By its action of April 17, 2026.

Lisa Felice, Executive Secretary

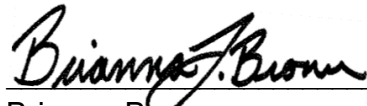
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STATE OF MICHIGAN)

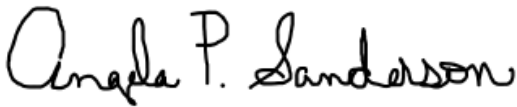
Case No. U-21455

County of Ingham)

Brianna Brown being duly sworn, deposes and says that on April 17, 2026 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 17th day of April 2026.



Angela P. Sanderson
Notary Public, Shiawassee County, Michigan
As acting in Eaton County
My Commission Expires: May 21, 2030

Service List for Case: U-21455

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