

Limiting Maximum Export Capability of DER Checklist

MN DIP Section 5.14.3 allows the maximum export capacity/capability¹ of DER(s) to be limited with the Area EPS Operator’s agreement. This can be done through the use of a control system, power relay(s), or other similar device settings or adjustments, which are referred to as Power Controls in the Technical Interconnection and Interoperability Requirements.² If the Export Capability of a DER is limited, the MN DIP Interconnection Application Form asks the Interconnection Customer to describe how the DER will be limited. This supplemental form will serve as the checklist for providing the Area EPS Operator with adequate assurance that the DER’s output will be limited when evaluating system impacts. The Area EPS Operator is not required by the MN DIP to use this form and may, consistent with the MN DIP, require additional information that is reasonably necessary to ensure that the Power Controls will effectively limit active power output so as to not adversely affect the safety and reliability of the Area EPS Operator’s system. The Area EPS Operator shall not unreasonably withhold its agreement to allow the Interconnection Customer to limit the maximum export capacity of its DER(s).

System Representations/Description
What Power Controls will be used to limit the export of the DER(s) at the Point of Common Coupling ? <input type="checkbox"/> Control System <input type="checkbox"/> Power Relay(s) <input type="checkbox"/> Other similar device settings or adjustments
Describe in detail how the maximum export capability of the DER will be limited:
Provide any additional detail that is necessary for the Area EPS Operator to ensure that the Power Controls will effectively limit active power output so as to not adversely affect the safety and reliability of the Area EPS Operator’s system:
For inverter-based DER (solar), are inverter settings used to limit the DER’s export capability at the Point of Common Coupling? <input type="checkbox"/> Yes <input type="checkbox"/> No
Are all of the DER system’s inverters being modified to limit export cap: <input type="checkbox"/> Yes <input type="checkbox"/> No
If no, please specify which inverters will be modified and which inverters will not:
For synchronous based DER (wind), please detail how the DER system generation capability is limited at the Point of Common Coupling:
Does the proposed DER system include ESS ? <input type="checkbox"/> Yes <input type="checkbox"/> No

¹ The term “capacity” is used in the MN DIP while the term “capability” is used in the MN DIP Interconnection Application.

² See Section 11 of the State of Minnesota Technical Interconnection and Interoperability Requirements (Approved by Commission Order on January 22, 2020) (“TIIR”).

If yes, please complete MN DIP Exhibit B – For Energy Storage.

Safeguards/Assurances

Can the Power Controls for limiting DER export capability be changed by the Interconnection Customer ?

Yes No

If no, please specify what protocols are in place to prevent the Interconnection Customer from changing the DER system's export limiting settings:

Can the ESS Control Mode(s) for the ESS be changed by the Interconnection Customer ?

Yes No

If no, please specify what protocols are in place to prevent the Interconnection Customer from changing the ESS Control Mode(s):