

Distributed Energy Resource (DER) Request Form



DER Form ID # (ATC use only): _____

Date Submitted: _____

Revision: _____

INSTRUCTIONS:

1. Complete the DER Request Form in its entirety. **Include proposed one-line for all projects affecting existing substations and, if available, a project area map.**
2. ATC will update the T-D queue and assign a DER ID Number and a Date Submitted when a complete DER Request Form is received if the DER is considered public information.
3. Please submit the DER Request Form to: T-DLIRFS@atcllc.com
4. ATC requests a DER Request Form when the aggregate DER is 1 MW or greater at point of interconnection. A DER Request Form submittal is also recommended for each additional 500 KW (after the previous DER BVP assessment).
5. Please refer to the Load Interconnection Guide – Distributed Energy Resources section - <https://www.atcllc.com/customer-engagement/> for additional guidance.

DER Project Name:	Substation Name:
DER Project Type*:	Other:
Requested ATC In-Service Date:	Commercial Operation Date:
Can project be listed on T-D Queue	Yes No (Confidential)

REQUESTER INFORMATION

Requester:	Phone:	Email:
Company:		
Address:		
City:	State:	Zip:
Contact:	Phone:	Email:

DER INTERCONNECTION INFORMATION

Location (attach a drawing or a map):				
Address:				
Requested ATC Point of Interconnection (e.g., Transformer/Bus reference):				
State:	City:			
One Line Diagram:				
Total Distributed Energy Resource (DER) at the interconnection point:	Existing:	MW	Proposed Additional:	MW
Will this DER potentially be bridged to other substations?	Yes	No	Uncertain	
If yes, which substation(s)?				
Will any DER facilities encroach upon ATC easements?	Yes	No	Uncertain	

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DER INTERCONNECTION INFORMATION *CONTINUED*

Is this new or modified DER subject to state regulatory interconnection requirements? Yes No Uncertain
 If Yes, attach regulatory application if available.

Date ATC response is required by to accommodate DER regulatory requirements:

Generator Information	Manufacturer:	Model:	
	Rated Output:	Watts	Volts
	Rated Power Factor:	Leading	Lagging
	Does DER meet IEEE 1547 and IEEE 1547.1 requirements? If yes, provide IEEE standard applicability (e.g. IEEE 1547-2018)	Yes	No
	Is the DER UL 1741 certified? If yes, provide UL certification (e.g. UL 1741-SB)	Yes	No
	List other certifications (or provide data sheet that lists certifications)		
	Inverter Manufacturer:	Inverter Model:	
For Solar Only:	Fixed Tilt Array	Single Axis Tracking Array	Double Axis Tracking

Will the facility enter into the MISO Market? Yes No Uncertain
 If Yes: Contact MISO Resource Integration - ResourceIntegration@misoenergy.org (651) 632-8451

ATC recommends¹ that DER generation greater than 5 MVA be modeled explicitly.

Should ATC model this DER explicitly? Yes No Uncertain
 If yes, as a generator or negative load? Generator Negative Load Uncertain

MISO requires dynamics models for generation greater than 20 MVA that is explicitly modeled. For large scale DER facilities greater than 20MVA, please provide PSS/E compatible Dynamics models in accordance with MISO MOD-032 modeling requirements. Depending on location of these new DER facilities ATC may additionally require the data owner to provide PSCAD models. ATC can work with the data owner to determine eligibility of models.

For DER greater than 5 MVA, but less than 20 MVA that is modeled dynamically, generic NERC models (NERC Reliability Guideline for DER_A Model, RG-MOD0919-1) will be used unless the data owner supplies alternate data.

For DER 5 MVA and greater, provide DER short circuit modeling information. For solar and wind DER:

Total DER MW: Total DER MVA:
 Inverter type: Solar Type3 Wind Type 4 Wind

Inverter short-circuit contribution at Point of Interconnection
 (amps at LDC distribution bus voltage, 2-3 cycles after fault): A at kV

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Will the DER protective system include provisions for separating from the transmission system for a fault on the interconnecting substation elements (as described in the Load Interconnection Guide and the Distributed Energy Resource – Protection and Insulation Coordination Guide GD-1701)? Yes No Uncertain

Will the DER have active anti-islanding detection capability? Yes No Uncertain

Will the DER anti-islanding protection apply a neutral overvoltage, direct transfer trip scheme? Yes No Uncertain

Will telemetry be provided into the requestor/LBA's EMS system? Yes No Uncertain

If other, please describe the scheme:

PROJECT DESCRIPTION

SCOPE OF THE DER PROJECT

ADDITIONAL DER PROJECT INFORMATION

¹ MISO has proposed a 5 MVA threshold (see 4/13/2020 MISO Modeling Users Group presentation).