

The NERC logo consists of the letters "NERC" in a bold, black, sans-serif font. A horizontal blue bar is positioned directly beneath the letters.

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

# Reporting Requirements

## GADS Wind and Solar Training

NERC GADS Wind and Solar Team  
Training for Solar PV and Wind Plants  
April 29 – May 1, 2025

RELIABILITY | RESILIENCE | SECURITY

- **Wind** - Reporting of wind performance data is required for all Generator Owners of NERC registered entities that operate wind plants with a Total Installed Capacity of 75 MW or greater<sup>1</sup> and with a commercial date of January 1, 2005, or later for any portion of the plant. Total Installed Capacity is the combined capacity of Subgroup Installed Capacity, not including Energy Storage Capacity. Participating organizations must be prepared to commit the necessary effort to provide timely, accurate, and complete data. These reporting instructions detail the data elements collected by the GADS Wind Reporting application and have been identified by the industry as being vital to the understanding and interpretation of wind turbine performance
- **Solar** - Reporting of solar performance data is required for all NERC registered entities with a Generator Owner function/scope that operate solar generating plants with a Plant Total Installed Capacity of 20 MW or greater per plant with commercial operation that began on January 1, 2010, or later, regardless of interconnection. Plant Total Installed Capacity is the combined capacity of Inverter Group Installed Capacity, not including Energy Storage Capacity. These reporting instructions detail the data elements collected by the GADS Solar Reporting application and have been identified by the industry as being vital to the understanding and interpretation of solar generating plants' performance

- GADS data collection measures fleet performance not compliance with standards
- GADS reporting is mandatory for NERC Registered Entities with a Generator Owner (GO) function
  - Existing Registered Entities with a GO function are required to report for the generating plants that meet GADS reporting criteria, regardless of whether those plants are registered for compliance
- Current registration activities are expanding the Generator Owner function to include the registration of inverter-based resources 20MVA or greater connected at 60 kV or above (GO Category 2)
  - The registration of these entities is expected to become effective in May 2026
  - New NERC Registered Entities with a GO Category 2 function will be required to report to GADS for plants or units that meet GADS reporting criteria as defined in the GADS Section 1600 Data Request
- This GADS Section 1600 data request applies to resources on the Bulk Power System and does not intend to mandate reporting on facilities whose output is used solely for local distribution.

I have a question about GADS reporting for solar facilities between 20-75 MW that are not NERC registered entities. Is reporting for such facilities only voluntary? X Company has a handful of solar facilities with nameplate capacities between 20-75 MW, but they are not currently registered with a Generator Owner function. That will change of course in 2026 once the Category 2 Generator Owner registration initiative is completed.

If reporting is currently required for such facilities, what information do I need to provide for each facility to receive the voluntary reporting IDs?

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I was informed by our regulatory department that **X** solar plant with a 30 MW nominal plant capacity does not meet the NERC criteria to register for an NCR ID. However, according to Solar GADS DRI document, we still have to report it for 2025 Q1.

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Hi! We have a question regarding the mandatory reporting requirement that started 1/1/2025. It is stated that mandatory reporting is required for plants with a Total Installed Capacity of 20 MW or more. Does this also include non-NERC-registered sites? For example, if we have a 20MW site connected at 46kV, are we still required to report it because the site is currently not a NERC registered site?

I have a few clarifying questions regarding the requirements for reporting Solar GADs.

Example Subject Generator: > 20 MVA installed capacity, interconnected to the BES at 69 kV

Acknowledge that this project is Classified as a Category 2 generator.

## Clarifying Questions:

1. This generator must be registered with NERC by May 2026. Is that correct?
2. Once this generator registration is completed, it is subject to the reporting requirements. Is that correct?

The unregistered generator is not **required** to report GADs data in 2025 but may do so voluntarily. Is that correct?

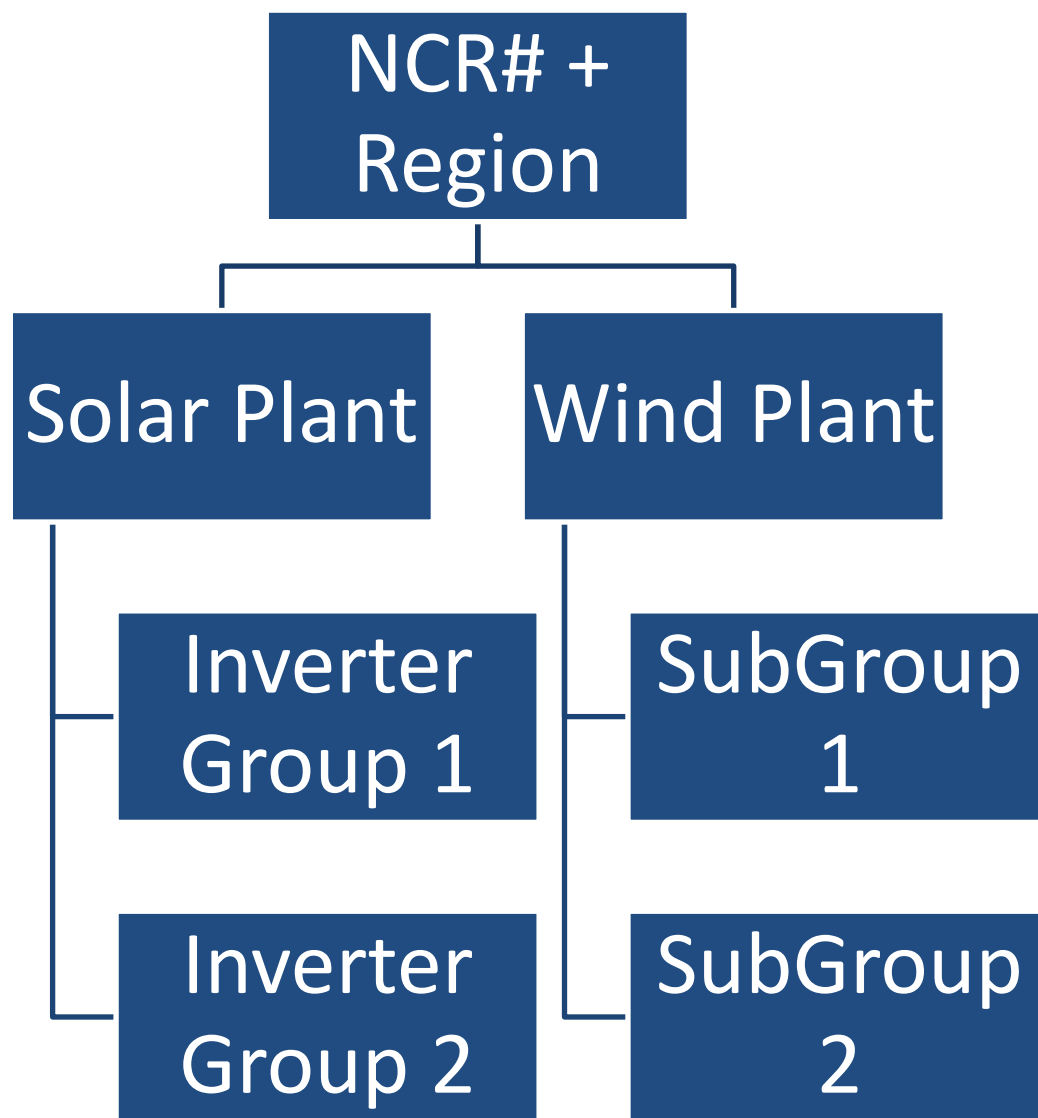
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Please allow me to introduce myself, my name is Jane Doe and I am part of the X team the current asset manager of different projects across the US owned by X. Since we are starting in the US market our expertise is really limited. Hence, could you please help us to confirm whether a 20.3 MW Someplace PV project, interconnected at 28 kV, will be required to conduct GADS reporting under the current rules or whether the following RFI will need to be completed for that project?. Based on our consultant's assessment, this project is not expected to meet the NERC Category 2 registration criteria, and therefore, GADS reporting would not be required now or in the future under the existing regulations but we would greatly appreciate your guidance on this

So, we're a little confused here. Category 1 applies to sites that are 75MW or greater and connected to 100kV and above.

So, the 20MW reporting threshold indicates that sites below 75MW will require reporting to GADS and that means sites that are not currently registered with NERC. Is that correct assumption?

We also have sites that are greater than 75MW but connected at 69kV. So, these sites are unregistered with NERC currently (it will be registered by May 2026 under Category 2). So, do we have to report for these sites as well?



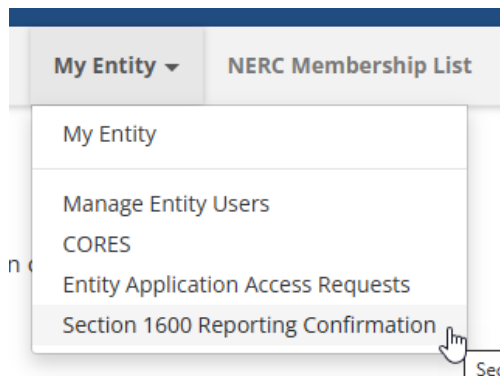
- *A Company is the combination of NCR ID and Region*
  - *The Plant is NOT the Company*
  - *Established in the system from the top down*
  - *Companies cannot 'move' to another company, Plants and groups can*
- *Users can report to GADS for several companies*



# Demonstration



<https://eroportal.nerc.net>



*This is an  
ANNUAL process!*

## Generating Availability Data System - Solar (GADS - Solar)

Generator Owners of NERC registered entities that operate solar generating plants with a Plant Total Installed Capacity of 20 MW or greater per plant with commercial operation that began on January 1, 2010 or later, for any portion of the plant, regardless of interconnection. For more information, refer to the GADS Solar Data Reporting Instructions.



### Reporting Obligations

Start Date	End Date	Region	Meets Criteria
7/2/2021	5/18/2023	WECC	
1/2/2013		NPCC	<input checked="" type="radio"/> Yes <input type="radio"/> No
5/18/2023	5/18/2023	SERC	
5/11/2023	5/16/2023	RF	

## Generating Availability Data System - Wind (GADS - Wind)

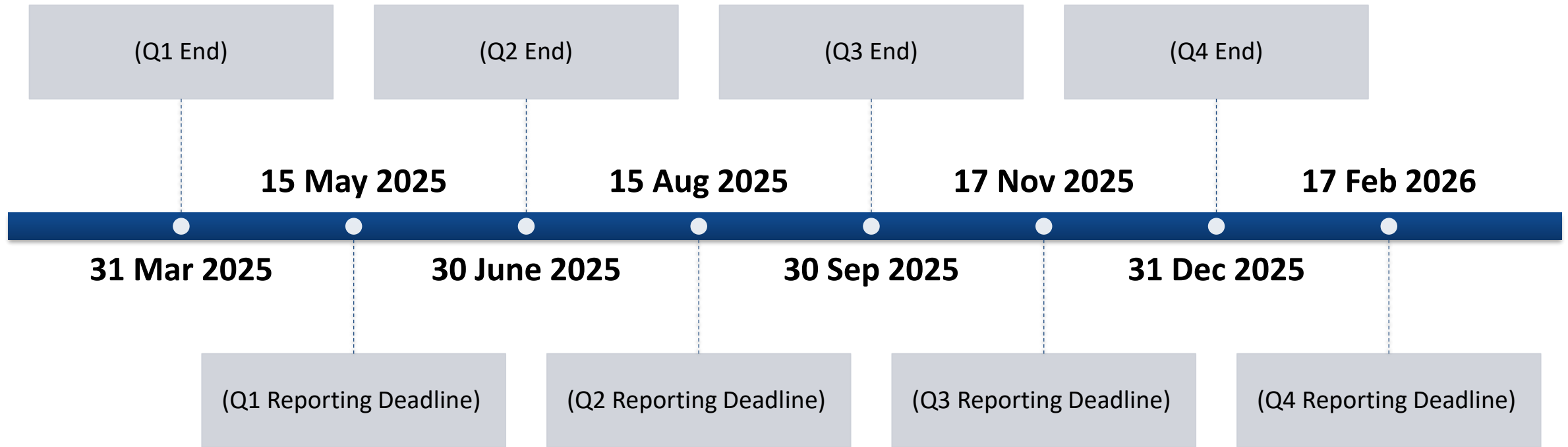
Generator Owners of NERC registered entities that operate wind plants with a Total Installed Capacity of 75 MW or greater, and with a commissioning date on or after January 1, 2005 or later for any portion of the plant. For more information, refer to the GADS Wind Data Reporting Instructions.

### Reporting Obligations

Start Date	End Date	Region	Meets Criteria
7/2/2021	5/18/2023	WECC	
1/2/2013		NPCC	<input type="radio"/> Yes <input checked="" type="radio"/> No
5/18/2023	5/18/2023	SERC	
5/11/2023	5/16/2023	RF	

# Presentation

# Reporting Timeline – Events and Performance



- Inventory (Plants, Subgroups, Inverter Groups, Storage Groups) must be entered before event and performance
- If your plant is new, performance data is due the 3rd full month after COD
  - Any day COD data is considered the first of the month for performance reporting requirements
  - For example, if your plant's COD is 4/25/2025, your first month of performance should be reported for the full month of July
- Event data is required immediately after COD
- Start early!



# Questions and Answers