

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Foundation

GADS Solar Training - Module 1

May 2024

RELIABILITY | RESILIENCE | SECURITY



- NERC Antitrust Guidelines:
 - NERC's policy and practice is to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition.
- Notice of Open Meeting
 - Participants are reminded that this webinar is public. The access number was posted publicly and widely distributed. Speakers on the call should keep in mind that the listening audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

- You were muted on entry. You can unmute yourself. Either jump in, raise your hand, or put a question in the chat
 - We do not ask that you save your questions until the end, but we may cut off a discussion for course completion's sake
- Interaction is critical! Don't just sit there
 - We are open to, and welcome feedback
 - You have the opportunity to make this training better
- 10 minute breaks in hours 1 and 2

- This training **IS** application training. It consists of the nuts and bolts of entering data into the OATI portal.....
- This training **IS NOT** Data Reporting Instructions (DRI) concepts training
- We will be covering
 - Using the User Interface to create, update, and verify data
 - Using the Excel templates to create, update, and verify data
- We will NOT be covering
 - What is an event
 - When to use a certain cause code and a contributing operating condition
 - How to categorize time
 - How did you come up with the 100MW and 20MW thresholds?
 - When will you collect standalone storage?
 - Does the size of standalone storage matter?

- **Modules**

- Module 1 – Foundational Information
- Module 2 – Getting Started with the new portal
- Module 3 – Plants (UI and Excel)
- Module 4 – Inverter Groups (UI and Excel)
- Module 5 – Attached Energy Storage (UI and Excel)
- Module 6 – Events - (UI and Excel)
- Module 7 – Inverter Group Performance (UI and Excel)
- Module 8 – Attached Energy Storage Performance (UI and Excel)
- Module 9 – Live demonstration (with errors!)

- The [GADS Training Page](#) has a wealth of information about GADS Solar, Conventional, and Wind
- The DRI Concepts training is [here](#) – bottom right of the page. This material was covered during multiple training sessions in the Fall of 2023.
 - Click the ‘Recording’ link for a narrated training session, or view the PowerPoint
- To Contact NERC
 - gadssolar@nerc.net
 - gads@nerc.net
- This training will be updated and improved as we gather feedback from stakeholders. Please revisit often.

- Generating Availability Data System (GADS)
 - Solar Data Reporting Instructions (DRI)
 - <https://www.nerc.com/pa/RAPA/gads/Pages/GADS-Solar-DRI.aspx>
- Who must report?
 - NERC registered entities with Generator Owner function
 - Solar plant with minimum 20 MW (100 MW in 2024), regardless of interconnection

- Accepted file formats:
 - XML or Excel-based XML templates
- Configuration Files:
 - Configuration data **MUST** be imported before Event or Performance data
 - Plant
 - Inverter Group
 - Energy Storage Group
- Performance Files
 - Inverter
 - Energy Storage
- Event Files
 - Plant

- History
 - 2018-2022 – GADS Solar Section 1600 process / board approval
 - 2023 – Application Development / Training
- Phased-in Approach
 - Year one (2024) – Plant Total Installed Capacity of 100 MW or more
 - Year two (2025) – Plant Total Installed Capacity of 20 MW or more
- First Deadline – **11/15/2024**



Reporting Deadline Timeline

- Now that you know the ***who, what, and when*** – the remaining modules dive into ***where and how***.



Questions and Answers

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