

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Plant Level Events

GADS Solar Training - Module 6

May 2024

RELIABILITY | RESILIENCE | SECURITY

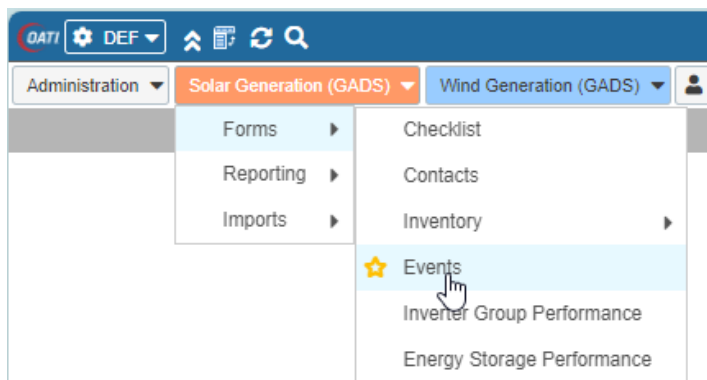


- Concepts
- Add Events
- Update
- Validations
- Export and reimport
- Events Import (Excel)
 - Append, Update, Full Replace

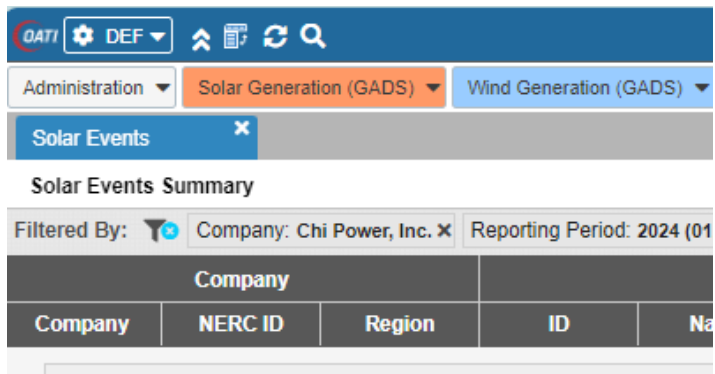
- All graphics (screen shots) in this presentation are courtesy of Open Access Technology International (OATI), Inc.

Event – User Interface

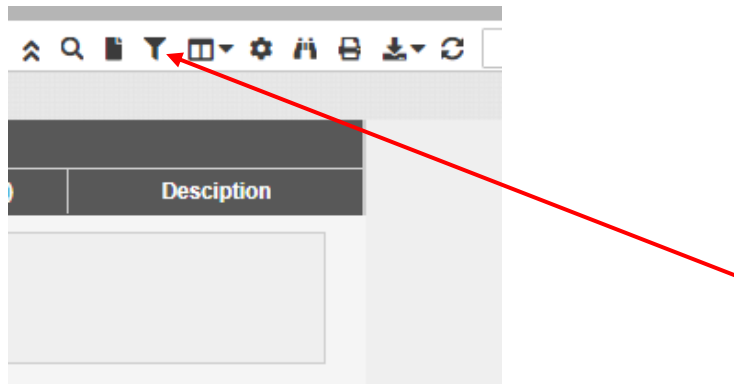
- Login to the NERC GADS OATI Wind and Solar Portal
- Click on Solar Generation (GADS)
- Hover over Forms and then click Events



- A list of events (if any) will appear



- You can edit the existing event information by clicking on an event or you can create a new event
- You may need to filter (top right of screen) for a certain company and plant before adding a new event



- Click the filter icon to select a company and plant

- Select a company from the filter and click the floppy disk icon to filter

Filtering Options

Company: NERC 3 Test (NCR9999) Auto

Plant: ALL Auto

Reporting Period: 2024 (01/01/2024 - 12/3) Auto

Quarter: ALL Auto

Month: ALL Auto

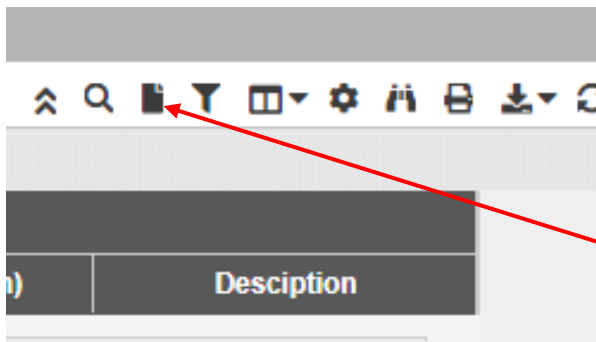
Type: ALL Auto

Event ID: Auto

Cause Code: ALL Auto

Show

- Select the new icon to create a new event



- The following screen will appear

The screenshot shows the NERC GATS interface for adding a new solar event. The top navigation bar includes 'Administration', 'Solar Generation (GADS)', 'Wind Generation (GADS)', and 'My Settings'. The main content area is titled 'Solar Event Entry' and is divided into two sections: 'General Information' and 'Event Details'. The 'General Information' section contains fields for NERC ID (NCR99997), Company (NERC 3 Test), Region (Other), Plant ID (Please select one..), and Plant Name (Please select one..). A button labeled 'Adding a New Event' is positioned below this section. The 'Event Details' section includes fields for Event ID, Event Type (Please select one..), Contributing Operating Condition (Please select one..), Primary Cause Code (Please select one..), Start Time (00:00), End Time (00:00), Potential Production Loss (MWh), and a Description (Optional) text area.

- Let's look closer at each section

- The NERC ID, company, and region are populated because this company was chosen in the filter

OATI DEF

Administration Solar Generation (GADS) Wind Generation (GADS) My Settings

Solar Events Solar Events Entry

Solar Event Entry

General Information

NERC ID: NCR99997 Plant ID: Please select one..

Company: NERC 3 Test Plant Name: Please select one..

Region: Other

- Select a plant from the picklist or select the plant name from the picklist

- This part of the screen is for event details entry

The screenshot shows a form titled "Event Details" with the following fields and callouts:

- 1**: Event ID (text input)
- 2**: Start Time (calendar icon, text input showing 00:00)
- 3**: End Time (calendar icon, text input showing 00:00)
- 4**: Event Type (dropdown menu)
- 5**: Contributing Operating Condition (dropdown menu)
- 6**: Potential Production Loss (MWh) (text input)
- 7**: Primary Cause Code (dropdown menu with a "+" sign)
- 8**: Description (Optional) (text area)

1. Enter a unique number to identify this event
2. Enter the start date and time - mm/dd/yyyy hh:mm (24-hour clock)
3. Enter the end date and time - mm/dd/yyyy hh:mm (24-hour clock)
4. Select the outage event type from the picklist
5. Select the contributing operating condition from the picklist. See table 5.3 in the GADS Wind Data Reporting Instructions.
6. Enter the estimated potential production loss in MWh.
7. Select a primary cause code from the picklist. The complete list of codes and descriptions can be found in the GADS Solar Data Reporting Instructions Appendix K.
 1. An additional cause code can be added by selecting the "+" sign next to the primary cause code selection
8. Enter a good, detailed description. Although the description is optional, NERC cannot assess problems in the industry without this input.
 - Press the save button (floppy disk icon) on the bottom left of screen when all information has been entered

Event – Excel Template

Plant Event

Plant ID	Event ID	Time Zone	Start Date/Time	End Date/Time	Event Type
1	2	3	4	5	6

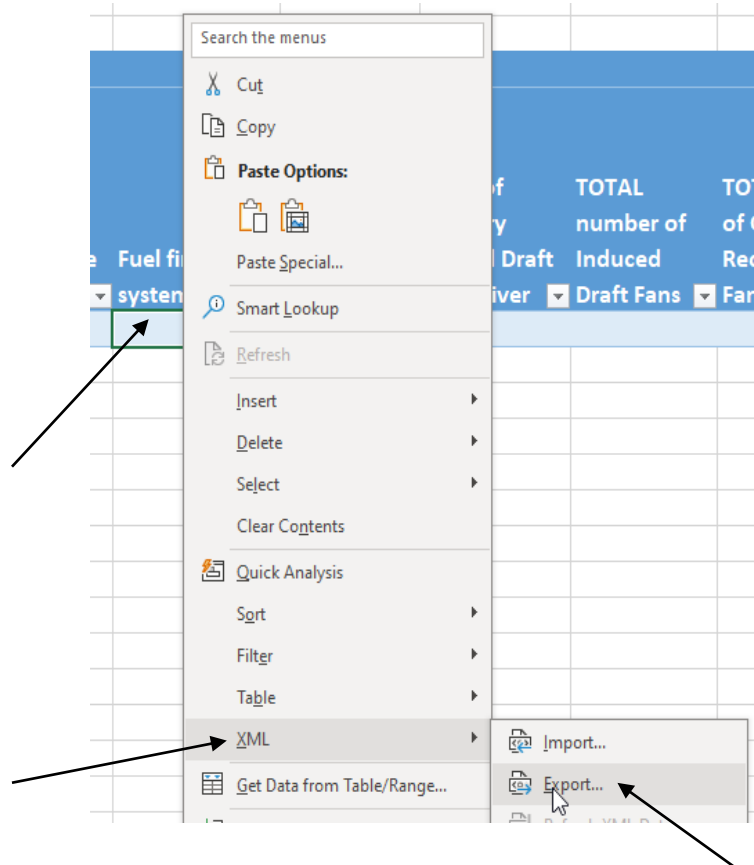
- Remember the pop-up windows provide helpful information

1. Enter the plant ID
2. Enter a unique number to identify this event
3. Select the time zone used for GADS reporting (not necessarily where the unit is located) from the picklist
4. Enter the start date and time - mm/dd/yyyy hh:mm
5. Enter the end date and time - mm/dd/yyyy hh:mm
6. Select the outage event type from the picklist
 - a) Forced outages are mandatory.
 - b) Maintenance and planned outages are optional.

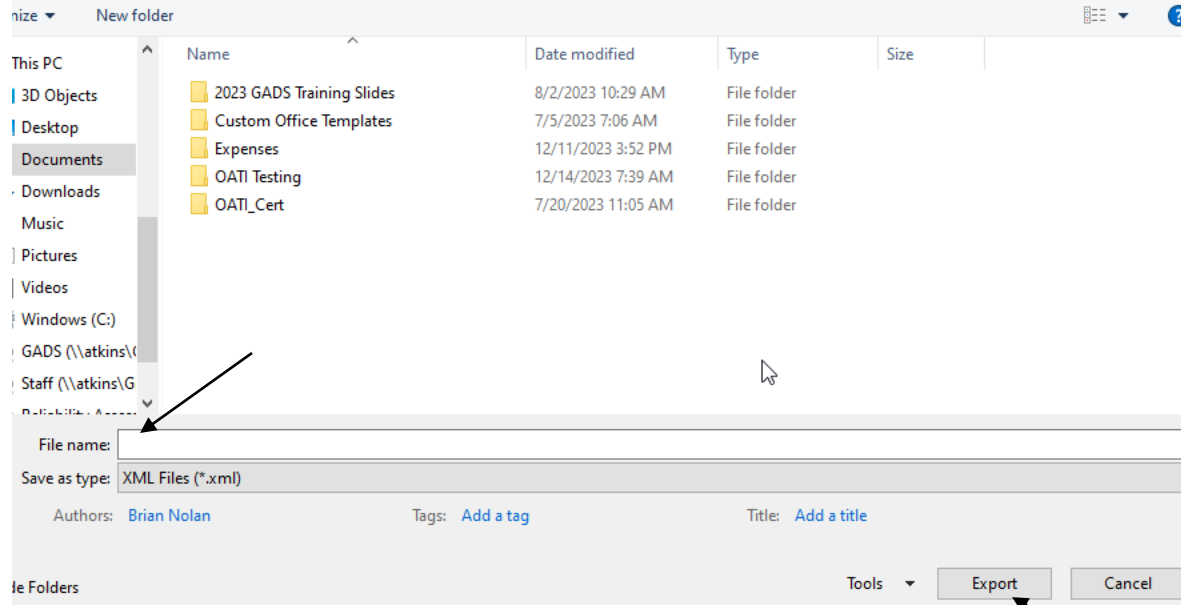
Primary Cause Code	Additional Cause Code	Contributing Operating Condition	Description	MWH Loss
1	2	3	4	5

- Remember the pop-up windows provide helpful information
1. Select a primary cause code from the picklist. The complete list of codes and descriptions can be found in the GADS Solar Data Reporting Instructions Appendix K.
 2. Select an additional cause code from the picklist if needed.
 3. Select the contributing operating condition from the picklist. See table 5.3 in the GADS Wind Data Reporting Instructions.
 4. Optional, but needed for meaningful analysis by NERC. Enter a good, detailed description.
 5. Enter the potential production loss in MWh for this event

- You are now ready to export your Event data file to OATI
- Save your Excel template to a place of your choosing
- Next create the XML file for an Event record
 - Make sure that you are on the “Event” worksheet tab
 - Right click a cell somewhere on a row of data on the “Event” worksheet
 - Select XML from the popup menu
 - Select export from the popup menu

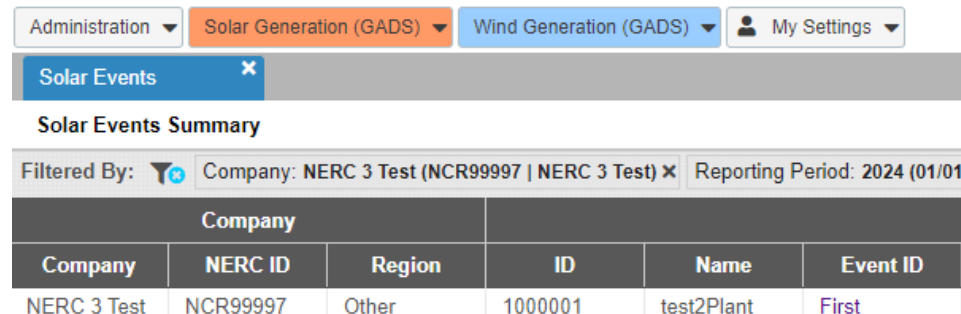
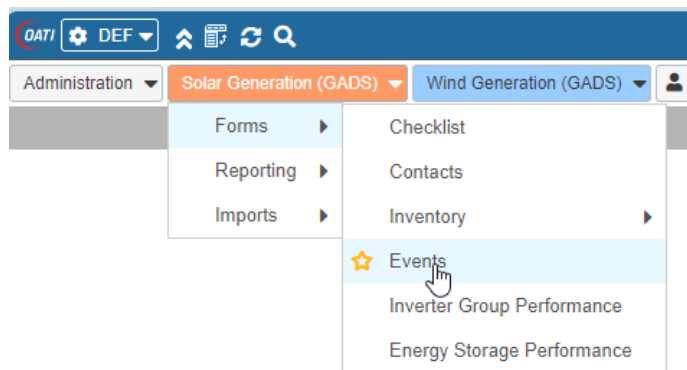


- Name the file, select where you want the file saved, and press the export button



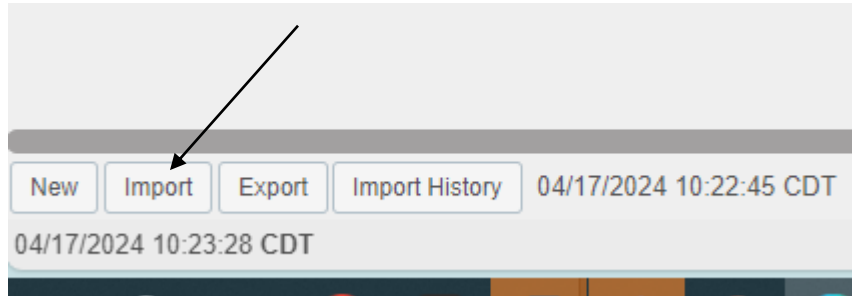
- Make note of your file name and where you saved it

- Next import the XML file into the OATI system
 - Log into the OATI Solar GADS system
 - Navigate to the appropriate menu item on the Solar interface
 - Click on SOLAR Generation (GADS) on the top menu ribbon
 - Click Forms and then Events in the dropdown menu

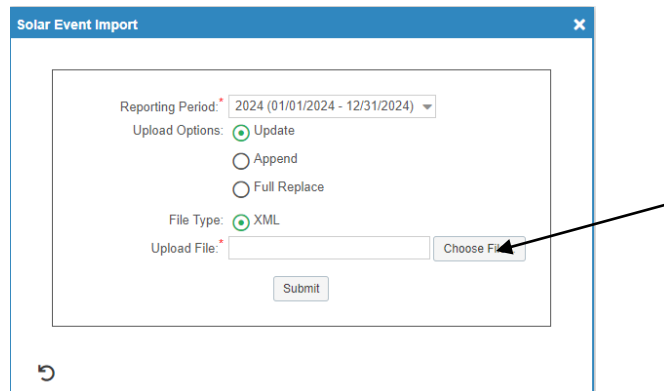


- A list of previously created Events (if any) will appear

- An Import button will appear on the bottom left of the screen

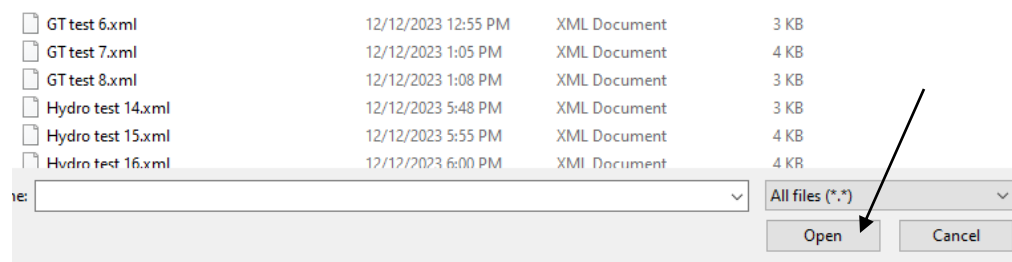


- Press the import button and the popup below will appear

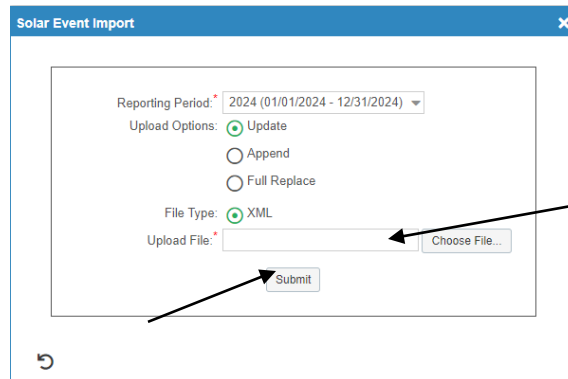


- Click the “Choose File” button on the Solar Event Import popup and navigate to where you saved your XML file

- Select the file you just created and press the “Open” button



- Click the submit button on the Solar Event Import popup shown below



File chosen in previous step will appear here

- If you correctly entered the data in your spreadsheet, your Event record(s) should load without issue and is complete.

A stylized map of North America is centered on the page. The map is divided into three horizontal sections by a prominent blue band. The top section, covering Canada, is a light purple color. The middle section, covering the United States, is the dark blue band. The bottom section, covering Mexico, is a light grey color. The text "Questions and Answers" is overlaid on the blue band in a large, bold, black font.

Questions and Answers