

# Custom Data Type by Node Reports

In response to popular demand, DECK Monitoring has developed a new type of report that users may generate within the Reporting Center in the Admin Panel. Users may choose to generate the new type of report, or continue to generate reports in the original style. The new type of report includes several features that are not available in the original report generating tool:

- immediate access to generated reports
- ability to generate reports in .csv (spreadsheet) file format
- ability to customize reports within the Reporting Center tool

## Benefits of Custom Data Type by Node Reports

These new reports provide several advantages that some customers will find useful:

### **Send Now Feature:**

Our original reports (“Preset Reports”) are designed to provide documentation for traditional reporting needs, such as quarterly financial statements... reports are generated and emailed to recipients at designated future dates, so users have to wait at least until the following day to get any newly generated reports. When users create one of the new style reports, they will be able to send it out immediately.

### **Generate .csv File Type Reports:**

Users can now choose between two file types for the reports they generate: our traditional “Preset” reports are generated as .pdf files. Additionally, the user may now select the option for “Custom Data Type by Node Report” which will generate a .csv (spreadsheet) file type report.

### **Customize Reports Within the Reporting Center Tool:**

Our Preset reports have always accommodated custom reports... but the user has to define the desired devices and data types within the DECK application, in the analytics graphing tool (any graph formula can be designated for export by creating an analytics preset). The new style of report offers the ability to customize your report within the Reporting Center tool.

The new type of report allows users to select the type of data they want to see from a convenient menu. Users may also select the systems and devices they want included in the report.

When you visit the Reporting Center, you will click the button to “Create New Report.”

As before, you will be taken to the Create Report Page. This page now offers the option to choose report type:

The screenshot shows a form titled "Create a New Report". Below the title is a label "Report Type" and a dropdown menu. The dropdown menu is currently set to "Custom Data Type by Node Report".

- You may continue to generate reports in the original fashion by selecting “Preset Report.” The original Reporting Center features have not been altered in the Preset option. This option generates a .pdf file type document. *Please note that the “Preset” reports option does not support the same features as the new type of report, including ability to customize range and granularity as well as the “Send Now” feature.*
- ...or you may choose the new customizable report type “Custom Data Type by Node Report.” This option generates a .csv file type document.

If you choose **Custom Data Type by Node Report**, you will see a new list of fields to customize your report.

The first field is for Report Name:

The screenshot shows a form titled "Report Name". Below the title is a text input box. Below the input box is a note: "This is the title of the report which will appear on the PDF."

The next field provides a drop-down menu to choose the data type you would like for your report. Choose from an extensive list of options:

The screenshot shows a form titled "Data Type and System Nodes". It features a dropdown menu labeled "Select Data Type" with a list of options including: generation, power, speed, irradiance, temperature, humidity, current, ac voltage, demand, dc voltage, wind direction, cell temperature, cumulative generation, peak power, cumulative demand, received power, load, temperature in, and temperature out. Below the dropdown menu is an "Add" button. To the right of the dropdown menu, there is a text input field for email addresses, with a note: "al email addresses separated by commas (bill@deckmonitoring.com, nancy@deckmonitoring.com, etc)". Below the "Add" button, there is a "Range and Granularity" section with a "Start Date" field set to "05/15/2012".

After you have designated your preferred data type, the application will load a list of all monitored systems that accommodate that type of data. Click on the name of a desired system:

Selecting a system opens up a tree showing each applicable device within that system. Choose the devices you want to include in the report:

**Data Type and System Nodes**

generation ▾

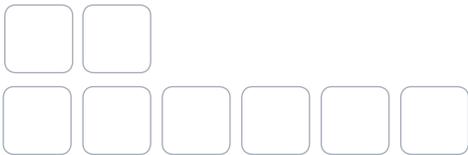
- [Punahou School](#)
- [Sustainable Centennial](#)
- [Audio Visual](#)
- [DECK Monitoring](#)
- [Denver International Airport](#)
- [SAIT - TransAlta Solar Research System](#)
- [UO Lillis Complex](#)
- [Basalt Library](#)
- [BUCRA](#)
- [College of the Sequoias](#)
- [National Grid NEDC](#)
- [Centro Fox](#)
- [Roosevelt Crossing](#)
- [Andre Agassi Preparatory Academy](#)
- [Demo System](#)

**Data Type and System Nodes**

generation ▾

- [Punahou School](#)
- [Sustainable Centennial](#)**
  - Sustainable Centennial
  - Inverters
  - Array 7
  - Array 6
  - Array 5
  - Array 4
  - Array 3
  - Array 2
  - Array 1
  - Net Demand
  - Veris H8035 Generation Meter
  - WattNode SHW Energy Meter
  - Shark 100T Demand Meter
  - Badger SHW Meter
  - Inverters
  - Solectria Inverter 1
  - Solectria Inverter 2
  - Solectria Inverter 3
- [Audio Visual](#)
- [DECK Monitoring](#)
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You may select as many devices as you would like in your report, from within one system or across multiple systems.



The next field allows the user to designate who will receive this report by email. You may choose from email addresses that are already loaded into the application, or you may add as many new recipient addresses as needed:

**Recipients**

DECK User (deckdemo@deckmonitoring.com)

demo demo (joelbirchler+custom@gmail.com)

Joeltest Test (joelbirchler+share@gmail.com)

You may enter multiple additional email addresses separated by commas (*bill@deckmonitoring.com, nancy@deckmonitoring.com, etc.*)

The last 2 fields on the page let the user choose the date range and time reporting interval for the new report. This is also where the user will designate whether they want to receive the new report immediately, or on designated dates in the future.

**Save a report**

Save a report for later. If you'd like this report to be sent out at regular intervals, choose your intervals from the checkboxes. Otherwise, just click the save button and you can modify or send this report at another time.

**daily** (generated every morning)

**weekly** (generated every Monday)

**monthly** (generated the 1st of every month)

**quarterly** (generated January 1, April 1, July 1 and October 1)

**yearly** (generated January 1)

**Send a report now**

Choose your desired range and granularity, then send your report immediately. This does not save your report for later.

Start Date

End Date

Granularity

The box on the left features the traditional interface for the DECK Reporting Center. Checking boxes on the left side will generate reports on designated dates in the future (details shown in gray type: for example, monthly reports generate automatically on the first day of each month). These options all feature pre-set granularity values:

- daily = hourly reporting
- weekly = daily reporting
- monthly = daily reporting
- quarterly = monthly reporting
- yearly = monthly reporting

Note that the soonest option to generate a report here is "daily," meaning the report will be emailed the following day.

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[Save](#)

### Send a report now

Choose your desired range and granularity, then send your report immediately. This does not save your report for later.

Start Date

End Date

Granularity

[Send Now](#)

Alternatively, the box on the right includes a button labeled "Send Now." Clicking this button allows the user to immediately email the new report to the designated recipients.

The box on the right gives the user full power to customize the report for granularity and time range:

- designate the time range for the report by completing fields for the Start Date and the End Date of the report.
- This is also where the user will designate the granularity, or time reporting interval, for the report. Options from the drop-down menu include hourly, daily, monthly, or "As Reported" (typically 15-minute intervals).

Clicking "Save" or "Send Now" will finalize your report in the Reporting Center. If you click "Save," a report will be sent on the designated date or dates in the future. If you click "Send Now," a report will immediately be sent to all designated recipients.

*Please note that the user must choose between the box on the left or the box on the right. It is not possible to check the box for "monthly" reports on the left side with the "Send Now" feature on the right. Nor is it possible to specify range and granularity on the right side and ask to have that report sent "quarterly" using the "Save" button.*

Users can return to the Report Center as often as desired to generate new reports.

