

Summary of Data Requirements for Distributed Generation (DG) Web-Based Data System

The Data Integrator project team is working with NYSERDA to collect and integrate detailed data from their portfolio of DG projects. The types of data we are looking for include:

1. **Detailed system performance data** automatically collected at regular intervals (e.g., 15-minutes or hourly) by a datalogger or control system. The required data includes generator power output, fuel input, facility power use, and heat recovery rates. This data should be supplied to us in an electronic format (ASCII, xls, etc) and can be transferred to us automatically (automated emails, FTP, etc) or manually (by email). We can automatically receive data as often as once per day.

This data will be entered into an on-line database that will allow users to track, evaluate and compare the performance of all NYSERDA-funded DG sites.

Detailed System Performance Data and Supporting Information

- Data can be supplied to us in any consistent electronic file format. Suggested formats include csv, txt, ASCII, etc. The files should include time and date stamped records that are consistently delimited or in a fixed format. Each file should be provided with a unique filename that corresponds to the sitename and the data it contains (e.g., Smith_unit2_May05.dat).
- A list of the measured values or data points that is included in each data file. The list should include the corresponding column/row in the file, the data point name, a description, the engineering units of the measurement (e.g., kWh per interval, avg kW, etc), and the sensor/instrument used to take the reading. The list should indicate if the reading is an average or sum over the interval or a sample.
- A simple schematic of the DG system that shows the location of each data point in the system.

A more detailed description of the monitoring requirements are given in the separate document (www.cdhenergy.com/data_int/Monitoring_Data_Collection_Std.pdf).

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