The DOE Sustainability Dashboard

U.S. DEPARTMENT OF ENERGY

September 13, 2016
DOE Sustainability Performance Office

The DOE Sustainability Dashboard

The Sustainability Performance Office (SPO) launched the DOE Sustainability Dashboard (Dashboard) to serve several functions for DOE sustainability data reporting.

✓ Maintain historical data sets for each DOE site and national laboratory

✓ Collect current year data, consistent with processes established in previous year's reporting cycles

✓ Provide DOE sustainability personnel analytic tools for managing sustainability at their site or within their program

2016 Sustainability Training Schedule

Date	Time	Event
September 1st, 2016	2:00-4:00 pm EST	Dashboard Overview Presentation
September 13th, 2016	2:00-4:00 pm EST	Dashboard Overview Presentation
September 19th to December 6th	2:00-3:00 pm EST	Open Line Help Calls on Tuesdays and Thursdays
Throughout reporting cycle.		SPO will provide site or program training as needed

2016 Sustainability Reporting Schedule

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Date	Action
August 29th, 2016	Dashboard opens for FY 2016 data entry
October 3rd, 2016 to October 7th, 2016	SPO to upload locked FIMS data (basic info, EUI, metering, and GB) into Dashboard
November 1st, 2016 to December 8th, 2016	SPO to QA/QC data and work with sites to finalize FY 2016 data for December 9th entry closing of Dashboard
November 11th, 2016	FY 2016 energy and water intensity square footage snapshot and Dashboard Excluded Bldg List report generated for Self-Certification
December 9th, 2016	Dashboard closes for FY 2016 data entry
December 23rd, 2016	Dashboard snapshot for OMB/CEQ/FEMP annual reporting
February 1st, 2017	Dashboard will reopen for FY 2017 reporting

Dashboard User Account

- Using your email as your username, check to see if you already have an account created
- If you already have a Dashboard account request a password change and NOT a new account
- Sites and program can have as many accounts as needed
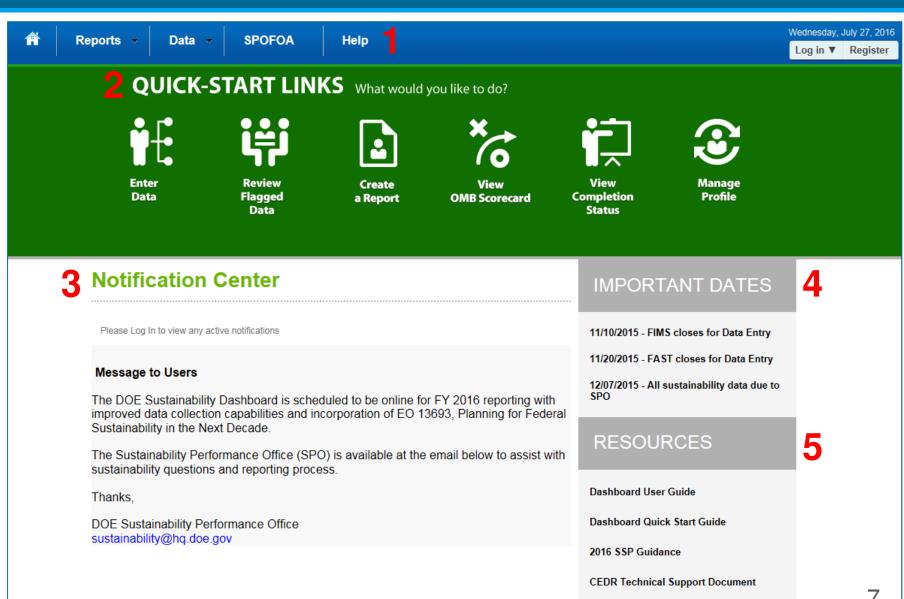- Sites should also create accounts for managers to approval final data submissions

FY 2016 Reporting Process Changes

- All data will be reported through the Dashboard

- Square footage calculations will be completed in the Dashboard with a FY 2016 snapshot date of November 11th

- Facilities should be benchmarked and release to CTS for FY 2016 by end of December to ensure weather normalization credit

- Submissions will be certified by a manager in the Dashboard or by a certification letter
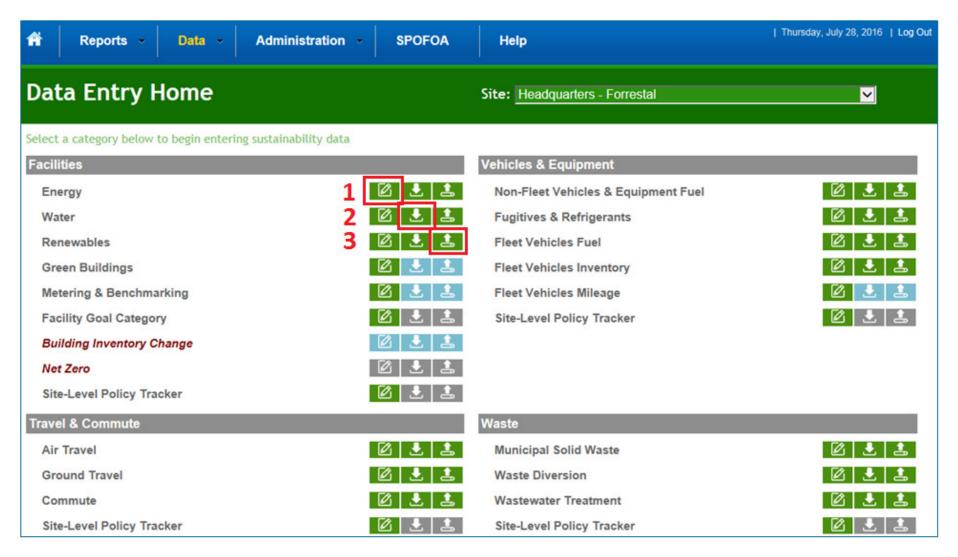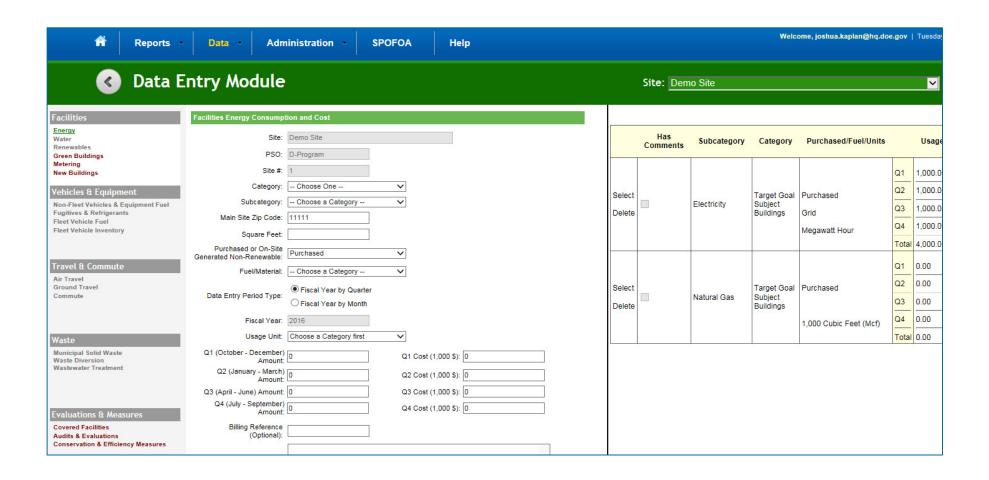
Dashboard – Home Page

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Reports ▾ Data ▾ SPOFOA Help **1**

Log in ▾ Register

2 QUICK-START LINKS What would you like to do?

Enter Data

Review Flagged Data

Create a Report

View OMB Scorecard

View Completion Status

Manage Profile

3 Notification Center

Please Log In to view any active notifications

Message to Users

The DOE Sustainability Dashboard is scheduled to be online for FY 2016 reporting with improved data collection capabilities and incorporation of EO 13693, Planning for Federal Sustainability in the Next Decade.

The Sustainability Performance Office (SPO) is available at the email below to assist with sustainability questions and reporting process.

Thanks,

DOE Sustainability Performance Office
sustainability@hq.doe.gov

IMPORTANT DATES 4

11/10/2015 - FIMS closes for Data Entry

11/20/2015 - FAST closes for Data Entry

12/07/2015 - All sustainability data due to SPO

RESOURCES 5

Dashboard User Guide

Dashboard Quick Start Guide

2016 SSP Guidance

CEDR Technical Support Document

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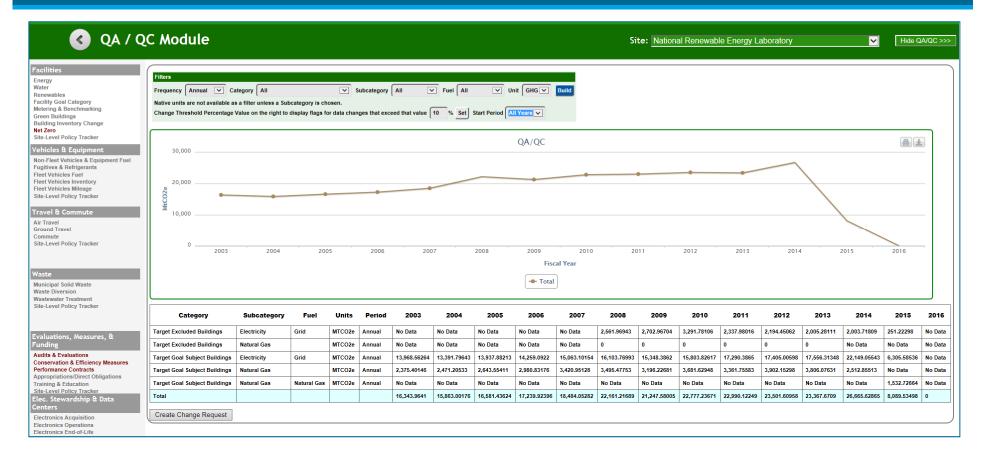# Data Entry Home Page

Dashboard - Data Entry

Dashboard – QA/QC

- Allows users to view historical data, see trends, and identify errors, anomalies or significant data variances
- The QA/QC Module is available for all Data Entry pages

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Dashboard – Minor Changes

1. Water:

    o New drop-downs for Sub-categories;

    o Upload documents field for Aquifer Recharge;

    o Description field for On-site Alternative Water Source

2. Electronics Acquisition:

    o Option to list a standard or certification other than EPEAT;

    o A description or web link for the certification is required for verification by the SPO

Dashboard – New Pages

1. Green Buildings
2. Metering & Benchmarking
3. Building Inventory Change
4. Facility Goal Category
5. Fleet Vehicle Mileage
6. Appropriations/Direct Obligations
7. Training & Education
8. Climate Resilience
9. Site-Level Policy Tracker

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- Dashboard has several newly developed pages for facility-related data that replicate FIMS fields.
  - FIMS will continue to be the primary system for basic facility characteristics and FRPP fields (HPSB). The Dashboard will be updated with this information quarterly/annually.
  - All non-FRPP fields will be removed from FIMS after the FY 2016 reporting.

- For all data points, updates will be made in FIMS until September 30th, when FIMS closes for data entry. Afterwards, from October 10th to November 10th, sites will be able to continue making updates to non-FRPP fields in the Dashboard. The Dashboard will take the Square Footage Snapshot on November 11th.
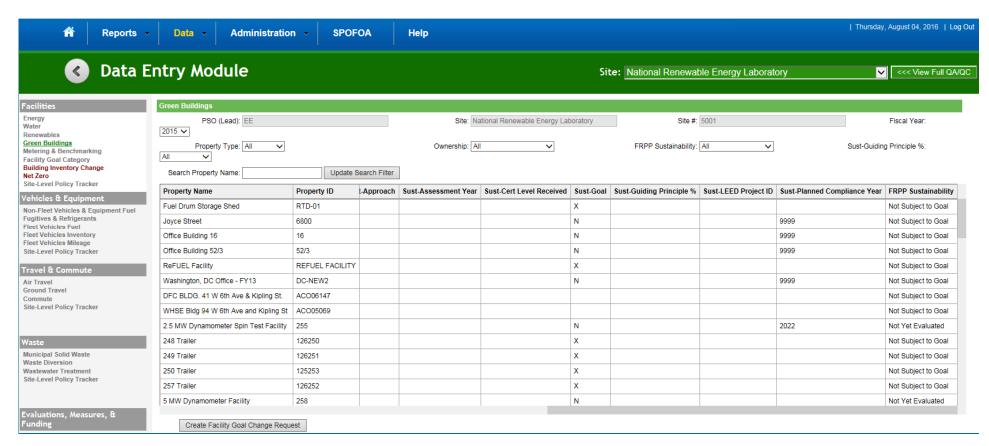
New Pages – Facility Goal Category

- Collects and maintains info on how facility square footage will be applied to the EUI, WUI, and EISA §432 goals

- Sites can update applicable fields within FIMS until mid-September when the fields will be locked. After FIMS lock, data in the Dashboard will be updated to capture inventory changes and updates made within FIMS. Any additional edits must occur in the Dashboard.

- Use filters to sort through building data. The "Edit" button allows you to edit a specific building in the table. The "Select" button brings you to the Facility Overview page.
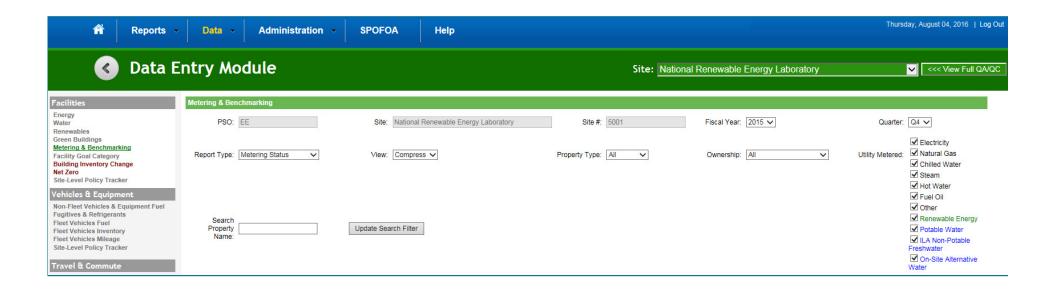
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New Pages – Green Buildings

- Allows you to view Green Buildings information as it was entered into FIMS
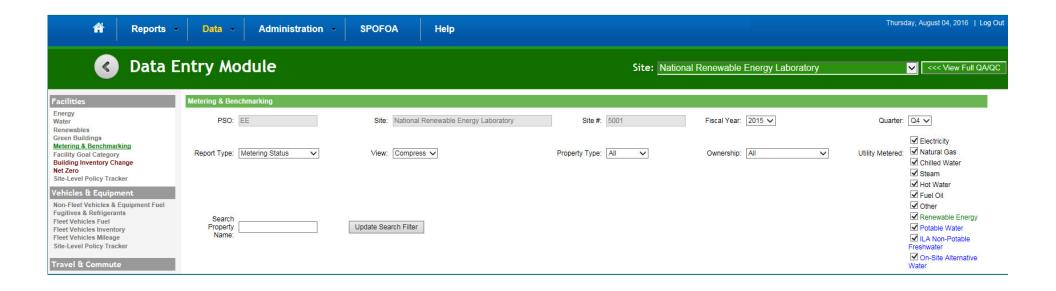- Only editable field is a description of how green building compliance is tracked

New Pages – Metering & Benchmarking

Report Type: Metering Status

- Update utility metering status for each currently metered facility
- Use the filters to sort through the building. The "Edit" button allows you to edit a specific building in the table that appears below the filters. The "Select" button brings you to the Facility Overview page.
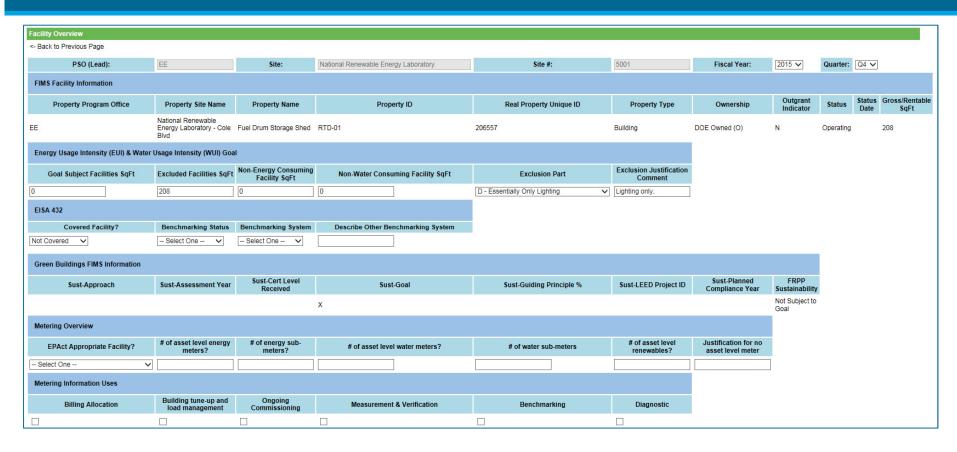
Report Type: Metering Prioritization

- Update planned meter installation data

- Use the filters to sort through the building. The "Edit" button allows you to edit a specific building in the table that appears below the filters. The "Select" button brings you to the Facility Overview page.

New Pages – Facility Overview

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Facility Overview

<- Back to Previous Page

| PSO (Lead): | EE | Site: | National Renewable Energy Laboratory | Site #: | 5001 | Fiscal Year: | 2015 ⌄ | Quarter: | Q4 ⌄ |

FIMS Facility Information

Property Program Office	Property Site Name	Property Name	Property ID	Real Property Unique ID	Property Type	Ownership	Outgrant Indicator	Status	Status Date	Gross/Rentable SqFt
EE	National Renewable Energy Laboratory - Cole Blvd	Fuel Drum Storage Shed	RTD-01	206557	Building	DOE Owned (O)	N	Operating		208

Energy Usage Intensity (EUI) & Water Usage Intensity (WUI) Goal

Goal Subject Facilities SqFt	Excluded Facilities SqFt	Non-Energy Consuming Facility SqFt	Non-Water Consuming Facility SqFt	Exclusion Part	Exclusion Justification Comment
0	208	0	0	D - Essentially Only Lighting ⌄	Lighting only.

EISA 432

Covered Facility?	Benchmarking Status	Benchmarking System	Describe Other Benchmarking System
Not Covered ⌄	-- Select One -- ⌄	-- Select One -- ⌄	

Green Buildings FIMS Information

Sust-Approach	Sust-Assessment Year	Sust-Cert Level Received	Sust-Goal	Sust-Guiding Principle %	Sust-LEED Project ID	Sust-Planned Compliance Year	FRPP Sustainability
			X				Not Subject to Goal

Metering Overview

EPAct Appropriate Facility?	# of asset level energy meters?	# of energy sub-meters?	# of asset level water meters?	# of water sub-meters	# of asset level renewables?	Justification for no asset level meter
-- Select One -- ⌄						

Metering Information Uses

Billing Allocation	Building tune-up and load management	Ongoing Commissioning	Measurement & Verification	Benchmarking	Diagnostic
☐	☐	☐	☐	☐	☐

- Appears when you "Select" a specific facility from the Facility Goal Category, Metering & Benchmarking, or Green Buildings pages
- Update or enter EUI/WUI Goal, EISA 432, Net Zero, or Metering data for chosen facility. Green Building data is pulled from FIMS.
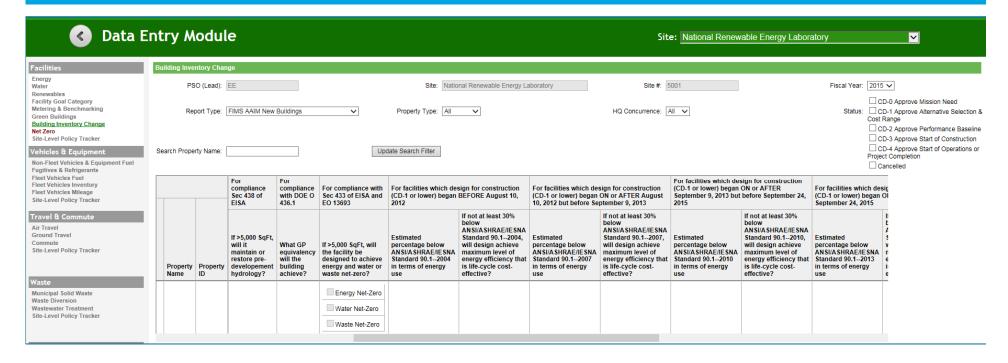
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New Pages – Facility Overview

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Metering Details

Energy

Utility Metered	Metering Status	Date Correct Function Was Verified	Functionality Status	Meter Type	Estimated Cost for Installation	Prioritization Option	Estimated Date of Installation	Utility Consumption Amount
Chilled Water	Metered-Advanced ⌄		⌄	⌄	0	⌄		TBD
Coal	Not Used ⌄		⌄	⌄	0	⌄		TBD
Electricity	Metered-Advanced ⌄		⌄	⌄	0	⌄		TBD
Fuel Oil	Not Used ⌄		⌄	⌄	0	⌄		TBD
Hot Water	Metered-Advanced ⌄		⌄	⌄	0	⌄		TBD
Natural Gas	Not Used ⌄		⌄	⌄	0	⌄		TBD
Other	Not Used ⌄		⌄	⌄	0	⌄		TBD
Steam	Not Used ⌄		⌄	⌄	0	⌄		TBD

Water

Utility Metered	Metering Status	Date Correct Function Was Verified	Functionality Status	Meter Type	Estimated Cost for Installation	Prioritization Option	Estimated Date of Installation	Utility Consumption Amount
ILA Non-Potable Freshwater	Metered-Advanced ⌄		⌄	⌄	0	⌄		TBD
Potable Water	Metered-Standard ⌄		⌄	⌄	0	⌄		TBD

Renewables

Renewable Energy System	Metering Status	Date Correct Function Was Verified	Functionality Status	Meter Type	Estimated Cost for Installation	Prioritization Option	Estimated Date of Installation	Utility Consumption Amount
STM - RFHP, STM - RSF I roof top, STM - RSF II roof top, STM - Parking Garage roof top, STM - Visitor Parking Lot	Metered-Advanced ⌄		⌄	⌄	0	⌄		TBD

- The second half of the Facility Overview page has all the metering status and prioritization data for the chosen facility
- Update or enter information in the appropriate fields

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New Pages – Building Inventory Change

- Collects data on new construction and major renovations; requirements for meeting HPSB, EPAct 2005, 30% better than ASHRAE, EISA Sec. 438 Stormwater Design, and E.O. 13693 Net-Zero Design goals

- "FIMS AAIM Facility Info" is pulled directly from FIMS and uploaded annually
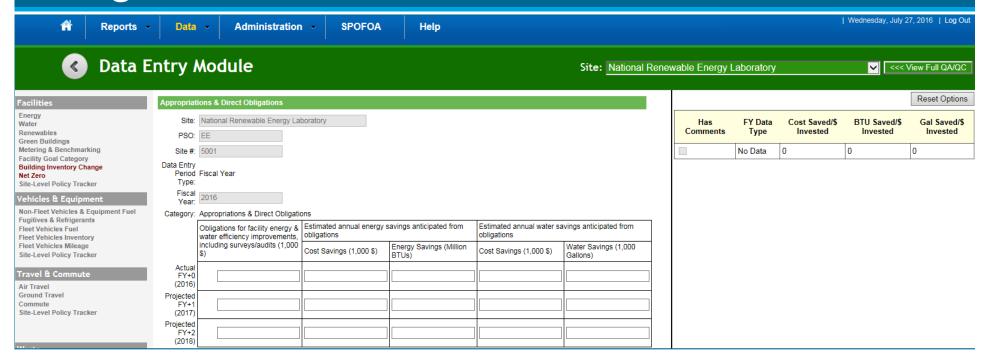
New Pages – Fleet Vehicle Mileage

- Allows site's to view/track Fleet Vehicle Mileage
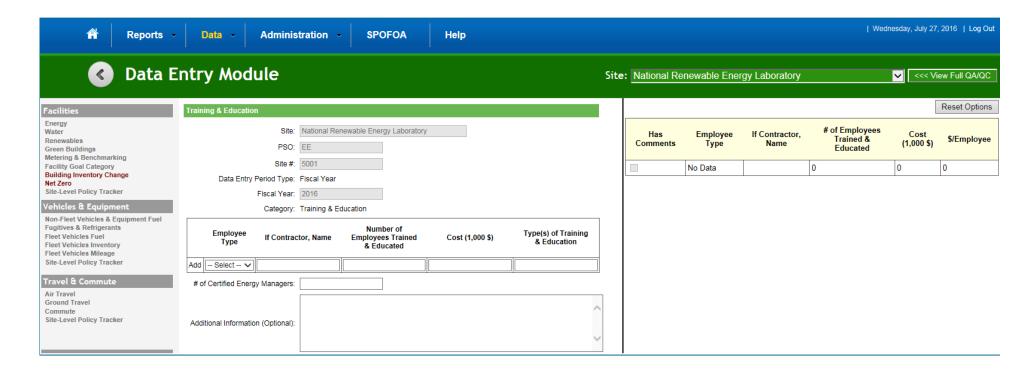- Data uploaded from FAST. No data entry in Dashboard.

New Pages – Appropriations & Direct Obligations

- Tracks appropriated and direct funded energy and water efficiency improvements along with their associated projected and actual savings as required by Eos and OMB Circular A-11
- Enter data into the appropriate fields

New Pages – Training & Education

- Covers a broad range of training related to sustainability for management and operations. This page allows you to track any training or education received by federal or contractor employees.

- Enter information into the appropriate fields

New Pages – Climate Resilience

- Fill out questionnaire in FY 2016 and update as necessary

New Pages – Site-Level Policy Tracker

- Allows sites to track sustainability related policies, procedures, or programs implemented at a site-level

In Development

- Data updates (2015 data, historical changes)
- Finalize calculations after FEMP workbook is released
- Improve QA/QC for new pages
- Improve the approval process
- Create site profile to view and manage Dashboard users

Future Dashboard Developments

- Continue to develop new pages including EISA Section 432 requirements such as Energy Conservation Measures, Audits, and Measurement & Verification

- Integrate with Portfolio Manager data to minimize reporting redundancies and potential data energy errors

- Create standard reporting and enhanced analytics (factors, tables, SSP graphics)

- Improve overall usability based on continued site, program, and user feedback

Sustainability Performance Office

Feedback and recommendations are welcome and encouraged. Please contact the SPO at the email provided below with any suggestions, issues, or problems experienced in the Dashboard.

Contact Information: Sustainability@Hq.Doe.Gov

Sustainability Resources and Links

Sustainability Performance Office (SPO) Website:

http://energy.gov/management/spo/sustainability-performance-office

DOE Sustainability Dashboard:

https://doegrit.energy.gov/SustainabilityDashboard/