

Sustainability Dashboard Overview



U.S. DEPARTMENT OF
ENERGY



Isabelle Heilman
FIMS Training June 2023

- Overview of Sustainability Reporting at DOE
- How Collected Data is Used
- Sustainability Dashboard Demo

- The Department of Energy (DOE) is required by federal laws and regulations to meet specific sustainability goals ([42 USC 8258](#)).
- The Sustainability Performance Division (SPD) is responsible for tracking and reporting on DOE's progress toward these goals.
- The SPD uses the Sustainability Dashboard to collect data from DOE sites and report on Department-wide progress.

Statutes

Energy Independence and Security Act of 2007

– [EISA 2007](#)

Energy Policy Act of 2005

– [EPAct 2005](#)

Energy Policy Act of 1992

– [EPAct 1992](#)

National Energy Conservation Policy Act of 1987

– [NECPA 1987](#)

Department of Energy Orders

DOE 436.1A

- As stated by [DOE Order 436.1A](#), *Departmental Sustainability*, DOE must:
 - *The Department must measure and report the performance of sustainability activities across all DOE elements.*
 - *Prepare and update plans and reports required by Federal laws, regulations, and EOs in accordance with Federal instructions from CEQ and OMB.*
- Reporting requirements are also listed in [DOE Order 430.1C](#) and [DOE Order 413.3B](#)

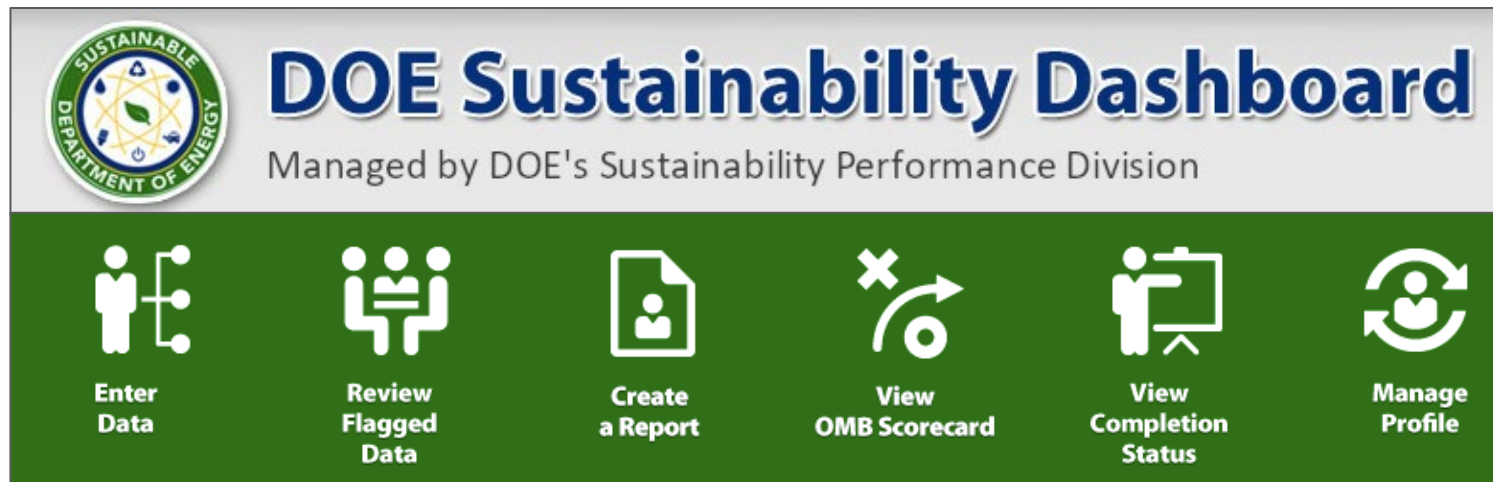
The data collected in the Sustainability Dashboard is used to write reports for stakeholders such as OMB, CEQ, Congress, and the public. The annual products that are created using data from the Dashboard are:

- **Annual Energy Management Report**
 - OMB Scorecard
- **Strategic Sustainability Plan**
 - Buildings Strategic Plan, Carbon Pollution-Free Electricity Plan, and Zero Emission Vehicles Plan
- **Climate Adaptation and Resilience Plan**

The DOE Sustainability Dashboard



The DOE Sustainability Dashboard (Dashboard), is the primary tool for collecting sustainability related data at DOE. Prior to the Dashboard, an Excel workbook called the Consolidated Energy Data Report (CEDR) was used.



Accessible at: <https://sustainabilitydashboard.doe.gov/>
[DOE Sustainability Dashboard User Guide](#) and [Quick Start Guide](#)

- Development on the Dashboard began in 2011.
- The first reporting cycle using the Dashboard was 2016.
- SPD continuously makes modifications and adds enhancements to the Dashboard for new reporting requirements.
- *Coming soon:* Dashboard Advisory Council and making the Dashboard code open source for other agency use.

User Roles and Privileges

User Role	General Description	General Rights
Site User	Site level personnel with sustainability data reporting responsibilities. May be involved with one or many data categories (e.g., a site may have multiple Site Users, with separate responsibilities for energy, water, waste, etc.).	<input checked="" type="checkbox"/> Read/View <input checked="" type="checkbox"/> Write/Enter Data <input type="checkbox"/> Approve/Reject
Site Manager	Site level personnel who oversee sustainability reporting for their site. Site manager reviews (approves/rejects) data sets submitted by Site Users and subsequently submits data sets for Site Office review. The Site Manager may also have sustainability data reporting responsibilities.	<input checked="" type="checkbox"/> Read/View <input checked="" type="checkbox"/> Write/Enter Data <input checked="" type="checkbox"/> Approve/Reject
Site Office	Site Office personnel responsible for overseeing the Management and Operation (M&O) contract for a site and approving data sets prior to submission to HQ.	<input checked="" type="checkbox"/> Read/View <input type="checkbox"/> Write/Enter Data <input checked="" type="checkbox"/> Approve/Reject
DOE HQ	DOE HQ personnel, typically with responsibilities of overseeing and managing sustainability activities.	<input checked="" type="checkbox"/> Read/View <input type="checkbox"/> Write/Enter Data <input checked="" type="checkbox"/> Approve/Reject

User Responsibilities

Primary Responsibility	Data Category
Facility Management	Energy, Water, On-Site Renewable Generation Systems, Purchased Clean & Renewable Energy, Resilience Questionnaire, Policy Tracker
Facility Asset Management	Facility Goal Category, Sustainable Buildings, Facility Metering Status, EISA S432 – Benchmarking, EISA S432 – Evaluations, New/Major Renovation Building Design
Fleet & Vehicle Management	Fleet Vehicle Fuel, Fleet Vehicle Mileage, Non-Fleet Vehicles and Equipment Fuel, Policy Tracker
Fleet Inventory Management	Fleet Vehicle Inventory
Fugitives & Refrigerants	Fugitives & Refrigerants
Travel & Commute	Air Travel, Ground Travel, Commute, Policy Tracker
Waste Management	Municipal Solid Waste, Waste Diversion, Wastewater Treatment, Policy Tracker
Data Centers & Electronics	Electronics Acquisition, Electronics Operations, Electronics End-of-Life, Policy Tracker
Procurement & Training	Efficiency & Conservation Measures, Appropriations/Direct Obligations, Training & Education, Policy Tracker

The Sustainability Dashboard



Enter
Data

- Data can be entered manually or uploaded via an Excel template.
- Data in some categories, such as the Fleet related categories, are uploaded to the Dashboard on behalf of the sites (see “Data Uploads”).
 - The data entry options for these categories are disabled, but you can still view the data.

Data Entry Home

Site: Demo Site

Facilities

Energy



Water



On-Site Renewable Generation Systems



Purchased Clean & Renewable Energy



Facility Goal Category



Vehicles & Equipment

Non-Fleet Vehicles & Equipment Fuel



Fugitives & Refrigerants



Fleet Vehicles Fuel



Fleet Vehicles Inventory



Fleet Vehicles Mileage



Manual
data entry



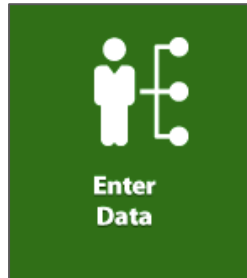
Upload the
completed template



Download
the template



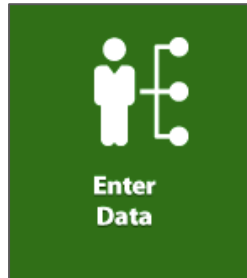
Data category is
“view only”



Data Uploads

Facilities Information Management System (FIMS)

- Data imported from FIMS: basic facility information such as property name, program, square footage, ownership, excess status, and outgrant status.
- The “FIMS Building Report” on the Dashboard provides an overview of asset inventory changes (new or deleted) and updates to remaining assets, such as changes in facility names, gross/rentable sq. ft., and excess status. You can access the report on the Dashboard on the Facility Goal Category page.



Data Uploads

Federal Automotive Statistical Tool (FAST)

- FAST is a Web-based data collection tool for the Federal government's fleet of motor vehicles.
- FAST contains data on the operation, management, funding, and compliance of DOE's vehicle fleet with a variety of requirements.
- Data imported from FAST: fleet inventory, fuel, mileage, and costs.
- Access FAST [here](#).



Data Uploads

ENERGY STAR Portfolio Manager

- Portfolio Manager is an online tool used to measure and track energy and water consumption, as well as greenhouse gas emissions.
- Portfolio Manager can be used to benchmark the water and energy use of a single building or an entire site or campus.
- Data imported to the Dashboard from Portfolio Manager:
Benchmarking data

Dashboard Demo



U.S. DEPARTMENT OF
ENERGY



DOE Sustainability Dashboard

Managed by DOE's Sustainability Performance Division



Data ▾

Reports ▾

Resources ▾

Awards

Administration

Monday, May 22, 2023

Log in ▾ Register

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

Notification Center

You have flagged data. Please review.

IMPORTANT DATES

09/29/2023: Water Management Plan

<https://sustainabilitydashboard.doe.gov>



Questions?

Sustainability Performance Division

www.sustainability.energy.gov

sustainability@hq.doe.gov