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A River of Energy Solutions

Taming the River of EISA 432 Data with FEMP's Web-Based CTS

Chris Tremper– Federal Energy Management Program

Agenda

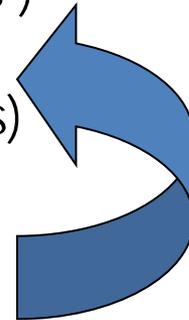
- EISA's Facility Energy Management Approach
 - Framework
 - Guidance
 - Reporting/Disclosure
- Findings as of June 30, 2011
 - Covered Facilities
 - Facility Energy Managers
 - Comprehensive Evaluations
- EISA 432 Compliance Tracking System (CTS)
 - User Interface Screens/Data Elements
 - Bulk Data Upload Capability
 - Reports
 - Help Resources

FEMP facilitates the Federal Government's Implementation of sound, cost-effective energy management and investment practices to enhance the nation's energy security and environmental stewardship.



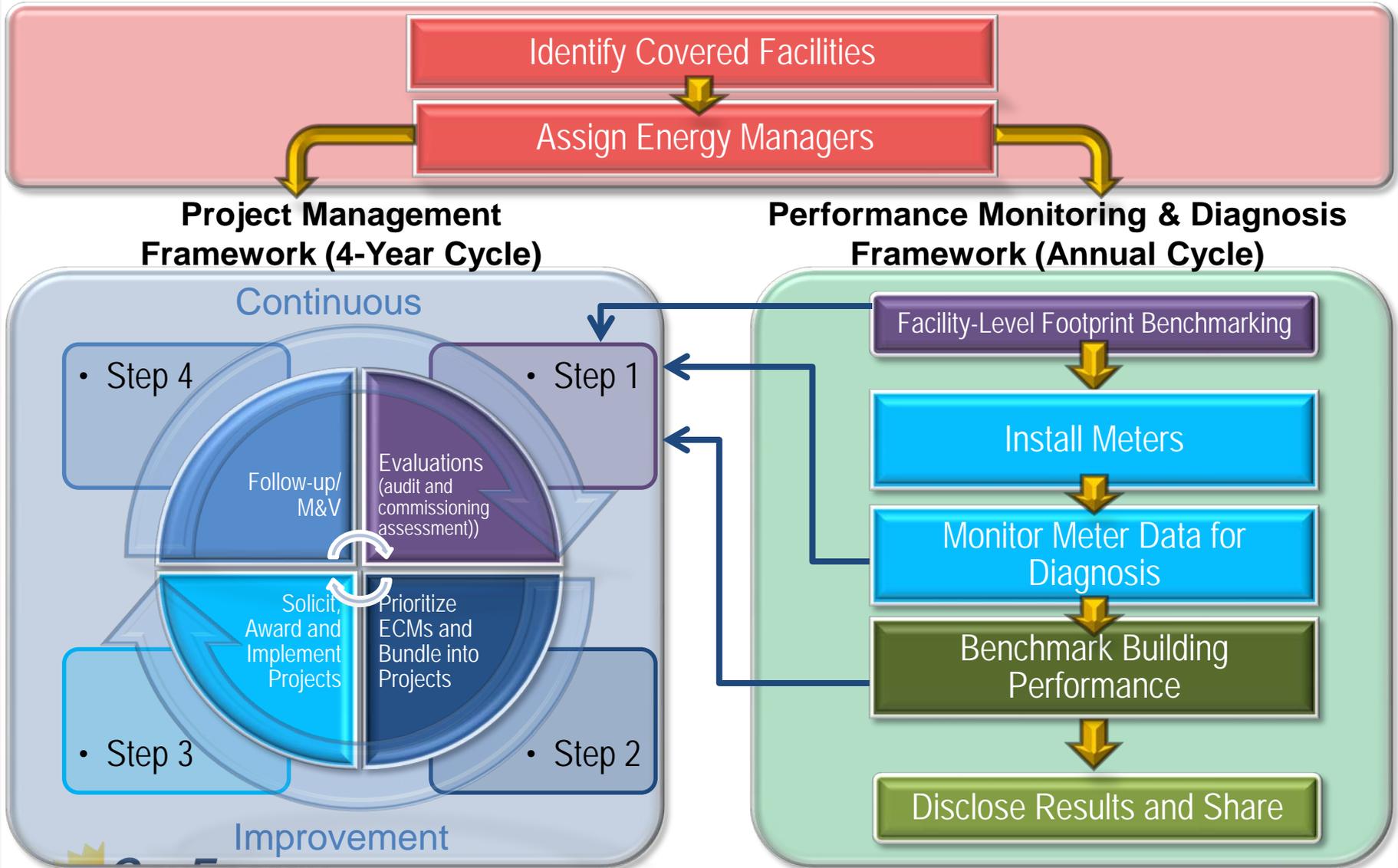
EISA's Framework for Federal Facility Management

- Agencies must identify “covered facilities” that constitute at least 75% of energy use
- Each facility must have a designated energy manager responsible for:
 - Benchmarking metered buildings (that are, or part of, “facilities”)
 - Completing comprehensive energy/water evaluations (audits) (approx. 25% of facilities each year; each facility every 4 years)
 - Implementing identified ECMs; (bundling permitted)
 - Following up on implemented ECMs (as part of quadrennial evaluation)
- Web-based Compliance Tracking System (CTS) to certify compliance, track agency progress in implementing the mandates
 - Agencies tailor reporting into CTS according to their management approach
 - Upload from centrally-managed systems or entered by facility managers bottom-up
 - Reports will be available to Congress, industry, and the public
 - Agencies may exempt facility-level data from disclosure for national security purposes



Overall EISA Facility Management Approach

BASIC STEPS FOR EISA PROJECT MANAGEMENT AND PERFORMANCE MONITORING



DOE Guidance, OMB Role & Financing Authority

- DOE Guidance/Decisions:
 - Guidelines and Criteria for Energy and Water Evaluations in Covered Facilities:
http://www1.eere.energy.gov/femp/pdfs/eisa_s432_guidelines.pdf
 - Guidelines on designating covered facilities, assigning energy managers
 - Requirements for comprehensive evaluations
 - Interim reporting guidance for evaluation findings
 - Building Energy Use Benchmarking Guidance:
http://www1.eere.energy.gov/femp/pdfs/eisa432_guidance.pdf
 - *Draft* Guidance for the Implementation and Follow-up of Identified Energy and Water Efficiency Measures in Covered Facilities
http://www1.eere.energy.gov/femp/pdfs/draft_EISA_project_guidance.pdf
- OMB Sustainability/Energy scorecards incorporate requirements of Section 432
- Authorizes agencies to use appropriations, private financing, or a combination to comply with its requirements
 - ESPCs, UESCs for evaluations/project implementation
 - Contracted resource efficiency managers

EISA Sect. 432 Reporting/Disclosure Milestones

- Dates for CTS Data Submittal/Reporting Out:
 - March 31, 2011 (target): Facility Characteristic data (FY10 energy use, square footage, energy manager assignments)
 - June 30, 2011: Evaluation Findings (potential ECMs, investment, savings)
 - November 30, 2011: Building Benchmarking data (Upload from ENERGY STAR Portfolio Manager)
 - December 15, 2011: Implemented Project data (awarded ECMs, investment, savings, follow-up M&V)
- Timeline for public disclosure of EISA 432 data in CTS
 - March 17, 2011: Limited public website launched
 - Reports limited to rolled-up Gov't-wide data; no agency-specific or facility-level data
 - 4th Qtr, FY11: Release of final implementation guidance
 - 1st Qtr, FY12: Receipt of agency requests for non-disclosure of facility-level data for national security purposes
 - 2nd Qtr, FY12: Release of agency-specific and facility-level data on publically-available CTS web-based interface

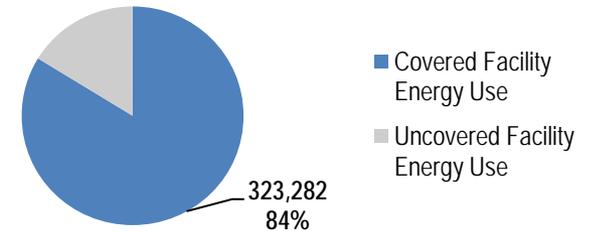
Federal EISA 432 Covered Facilities

Facility Energy Use for All Agencies (FY 2010)

Total Facility Energy Use (Billion BTU)	385,860
Covered Facility Energy Use (Billion BTU)	323,282
Uncovered Facility Energy Use (Billion BTU)	62,578
% of Covered Facility Energy Use	83.8%

Sec. 432 f(2) (B) COVERED FACILITIES- The Secretary shall develop criteria, after consultation with affected agencies, energy efficiency advocates, and energy and utility service providers, that cover, at a minimum, Federal facilities, including central utility plants and distribution systems and other energy intensive operations, that constitute at least 75 percent of facility energy use at each agency.

Facility Energy Use for All Agencies

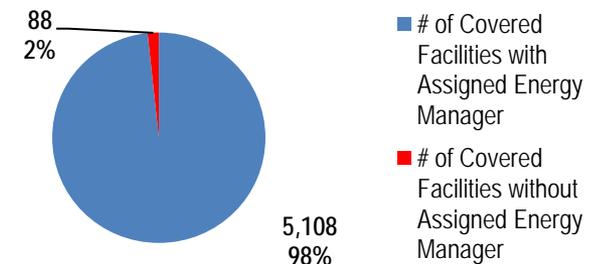


Covered Facilities with Assigned Energy Manager (FY 2010)

Total # of Covered Facilities	5,196
# of Covered Facility w/ Assigned Energy Manager	5,108
# of Covered Facility w/out Assigned Energy Manager	88
% of Covered Facilities with Assigned Energy Manager	98.3%

Sec. 432 f (2) (A) IN GENERAL- Each Federal agency shall designate an energy manager responsible for implementing this subsection and reducing energy use at each facility that meets criteria under subparagraph (B).

Covered Facilities with Assigned Energy Manager



Designated Covered Facilities (July 2011)

- Number of covered facilities: **5,196**
 - Many are multi-building installations
- Energy use of designated covered facilities
 - **323 trillion Btu**
 - 84% of facility energy use (Target: 75%)
- Square footage of designated covered facilities
 - **2.8 billion square feet**
 - 88% of facility square footage (total 3.2 billion)
- Energy intensity of covered facilities
 - **116,288 Btu/square foot**

Facility Energy Managers

- Responsible for ensuring compliance by the facility, may include:
 - contractor of a facility,
 - part-time employee of a facility, and
 - individual who is responsible for multiple facilities
- Must meet the definition of “trained energy manager” from EPACT 1992
- Agency may determine own limits of responsibility of facility energy manager
 - *Example from the U.S. Army, Energy Regulation 420-1, Chapter 23: “1 manager/5 million square feet of space”*

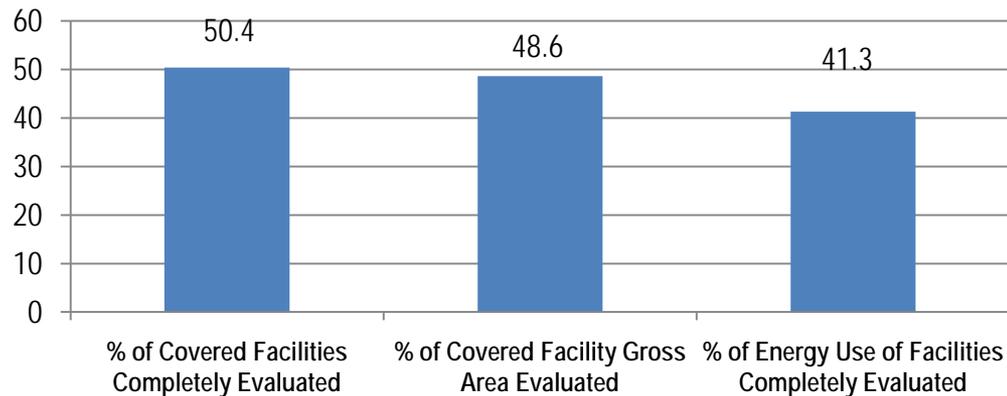
Comprehensive Energy and Water Evaluations

- Evaluations have two components:
 - Retro/re-commissioning assessment
 - Energy and water audit to identify potential projects
 - ECM categories
 - Est. implementation cost
 - Annual energy/water savings, cost savings (life-cycle savings optional)
- Evaluate each covered facility within four years
 - “approximately” 25% per year

Federal-Wide Progress: Comprehensive Evaluations

Covered Facility Evaluation Progress as of 7/31/2011

as of July 2011	# of Covered Facilities	Covered Facility Gross Square Feet (Thou.)	Covered Facility Energy Use (Billion Btu)
Evaluated:	2,618	1,350,621	133,668
Total:	5,196	2,780,436	323,282
Percent Evaluated:	50.4%	48.6%	41.3%

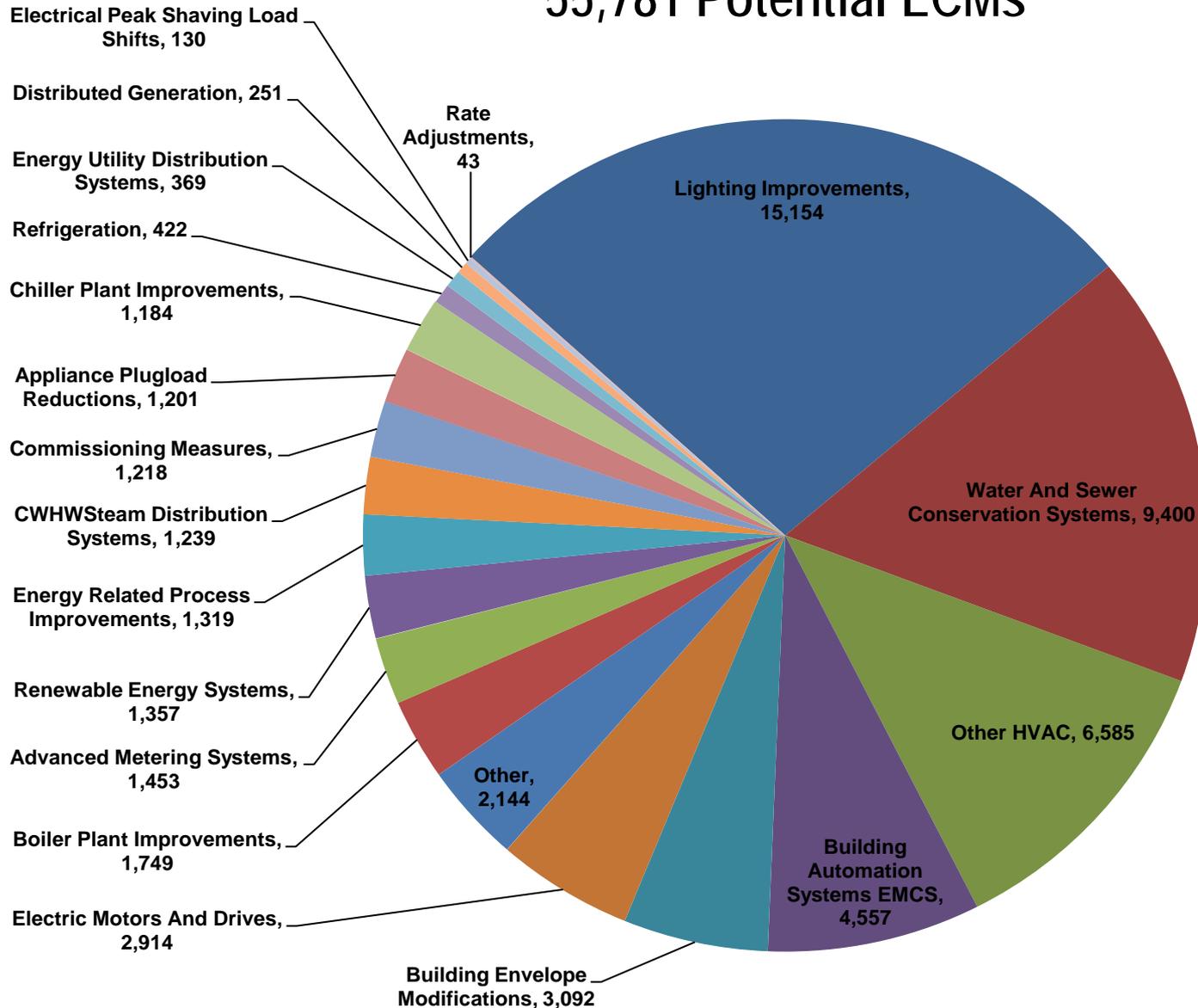


Total Potential Annual Saving For All Agencies as of 7/31/2011

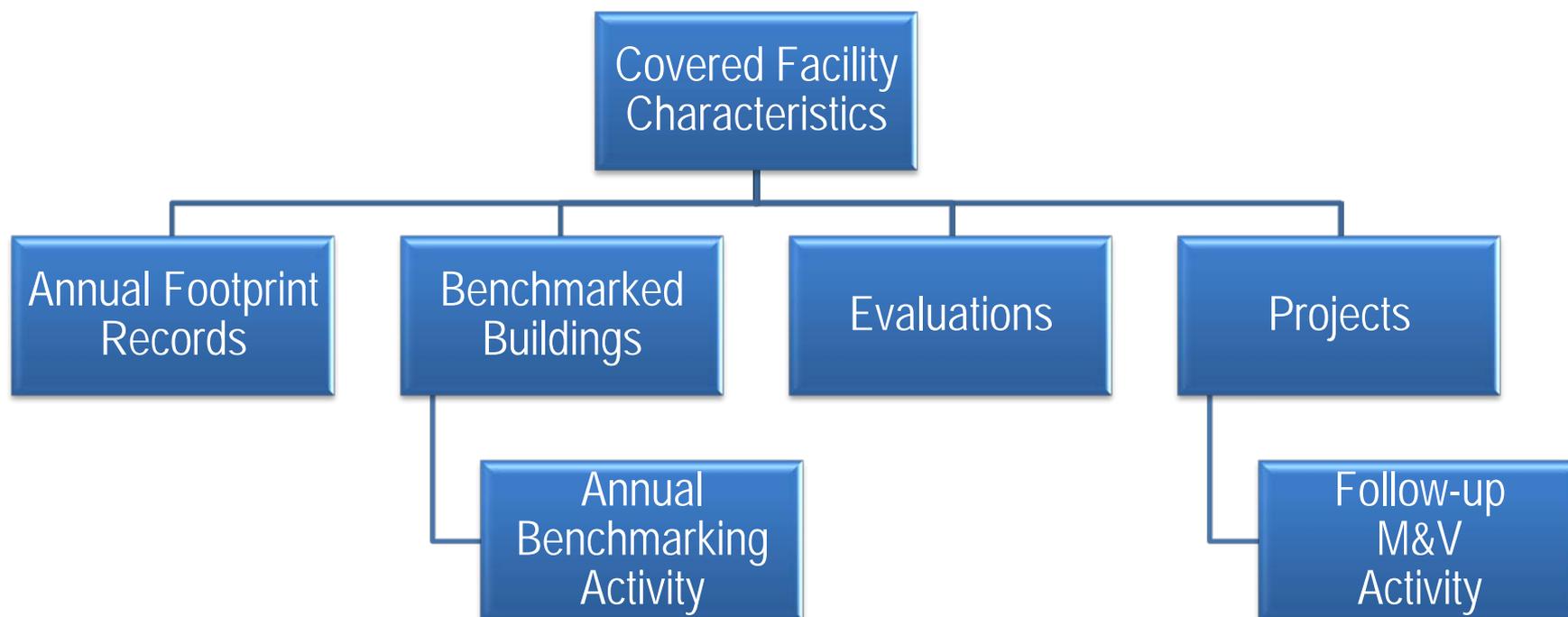
Total Potential Annual Energy Saving (Billion Btu):	121,927
Total Potential Annual Water Saving (Thousand Gallons):	18,367,655
Total Potential Annual Cost Saving (Million Dollars):	\$750
Total Estimated Cost Of Implementation (Million Dollars):	\$6,793

Note: The values listed represent the upper bound of potential investment and savings. Not all identified ECMs may be cost effective or in the interest of the agency to implement.

55,781 Potential ECMs



Compliance Tracking System (CTS) Data Structure



EISA 432 Compliance Tracking System

Logged in as: Karen Curran (GSA-AA)

[Home](#) | [Covered Facilities](#) | [Reports](#) | [Uploads](#) | [User Profile](#) | [Administration](#) | [Help](#) | [Logout](#) |

v2.7.0

Welcome to EISA 432 CTS Homepage

The **Compliance Tracking System (CTS)** is a Web-based data collection and reporting system for Federal facilities mandated by Section 432 of the Energy Independence and Security Act of 2007 (EISA). The EISA Section 432 CTS accepts required Federal agency reporting on:

- Designation and locations of covered facilities;
- Annual footprint data for covered facilities;
- Assigned energy managers;
- Findings of comprehensive evaluations completed at covered facilities;
- Estimated cost and savings for identified energy and water efficiency measures (ECMs);
- Implementation of ECMs in covered facilities;
- Follow-up status on implemented ECMs including measured savings and persistence of savings; and
- Benchmarking information of metered covered facilities.

Guidance Documents

[Building Energy Use Benchmarking Guidance \(15 April 2010\)](#)

[Draft Implementation Guidance](#)

[Facility Energy Management Guidelines and Criteria for Energy and Water Evaluations in Covered Facilities \(25 November 2008\)](#)

User Notifications

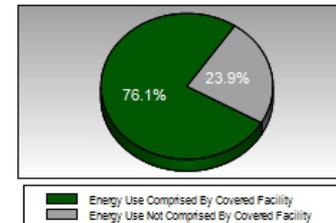
[Your password will be expired in 171 day\(s\).](#)

[There are 0 request\(s\) awaiting for your approval/renewal](#)

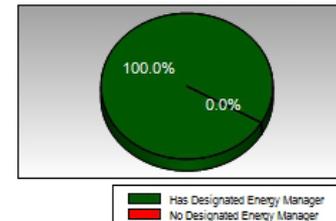
Summary Graphs 2010

GSA

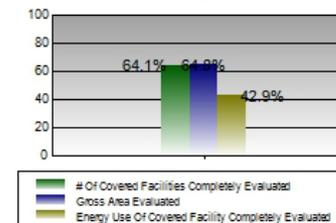
Energy Use Comprised By Covered Facility



Covered Facilities with Designated Energy Manager



Comprehensive Covered Facility Evaluation Progress



EISA 432 Compliance Tracking System

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Covered Facilities GSA/01 - Region 1

[Add Facility](#)

Filter Records

Agency: Include inactive records:

Select sub-agencies: Select all sub-agencies:

(Hold down the "Control" key to select multiple records)

- GSA/01 - Region 1
- GSA/02 - Region 2
- GSA/03 - Region 3
- GSA/04 - Region 4
- GSA/05 - Region 5

Total Records Displayed: 6 [Apply](#) [Clear](#)

Agency ▲ ▼	Agency Designated Covered Facility ID ▲ ▼	Facility Name ▲ ▼	Facility Detail	Annual Footprint	Benchmarked Buildings	Evaluations	Projects	Status
GSA-01	CT0053ZZ	AA RIBICOFF FB &CTHS	Detail	List	List	List	List	Active
GSA-01	MA0050ZZ	BOSTON NEWCH	Detail	List	List	List	List	Active
GSA-01	MA0013ZZ	J W MCCORMACK PO&CT	Detail	List	List	List	List	Active
GSA-01	MA0131ZZ	JFK federal building	Detail	List	List	List	List	Active
GSA-01	MA0153ZZ	THOMAS P ONEILLJR	Detail	List	List	List	List	Active
GSA-01	NH0038ZZ	WB RUDMAN CTHS	Detail	List	List	List	List	Active

Facility Detail | Annual Footprint | Benchmarked Buildings | Evaluations | Projects

Covered Facility Detail

Fields marked with * are required

Facility Characteristics

* Agency Name
* Facility Name
* Agency Designated Covered Facility ID
* CTS Facility ID
* Activation Date
Last Completed Evaluation

Facility Location

* City
* State
* Zip Code

Designated Facility Energy Manager

FEM Unique ID:
Facility Energy Manager

GSA/01 - AA RIBICOFF FB &CTHS

- Facility Detail
- Annual Footprint
- Benchmarked Buildings
- Evaluations
- Projects

Covered Facility Annual Footprint

Fiscal Year ▲▼	Gross Square Footage (Thou. Sq Ft)	Total Annual Energy Use (Million Btu)	Total Annual Water Use (Thou. Gallons)	Annual Footprint Detail	
2008	391.6	23,217.0		Detail	Delete
2009	391.6	23,465.2		Detail	Delete
2010	391.6	24,460.9	1,380.6	Detail	Delete

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- Facility Detail
- Annual Footprint
- Benchmarked Buildings
- Evaluations
- Projects

Covered Facility Annual Footprint 2010

[Edit](#)

Fields marked with * are required

Annual Data

- * Gross Square Feet (Thou. Sq Ft)
- Number of Buildings Metered for Electricity
- * Total Annual Energy Use (Million Btu)
- Total Annual Water Use (Thou. Gallons)

Exemptions

- Energy Intensity Reduction Goal
- Water Intensity Goal
- Public Disclosure

Reason for Public Disclosure Exemption

Comments

GSA/01 - AA RIBICOFF FB &CTHS

- Facility Detail
- Annual Footprint**
- Benchmarked Buildings
- Evaluations
- Projects

Covered Facility Annual Footprint 2010

Fields marked with * are required

Annual Data

- * Gross Square Feet (Thou. Sq Ft)
- Number of Buildings Metered for Electricity
- * Total Annual Energy Use (Million Btu)
- Total Annual Water Use (Thou. Gallons)

Exemptions

- Energy Intensity Reduction Goal
- Water Intensity Goal
- Public Disclosure

Reason for Public Disclosure Exemption

Comments

Save

Cancel

GSA/01 - AA RIBICOFF FB & CTHS

[Facility Detail](#)

[Annual Footprint](#)

[Benchmarked Buildings](#)

[Evaluations](#)

[Projects](#)

Benchmarked Buildings

[Add Benchmarked Building](#)

Benchmarked Building Name ▲ ▼	RPUI ▲ ▼	Benchmarked Building Detail	Year Last Benchmarked	Benchmarking Activity	
CT0053ZZ - AA RIBICOFF FB & CTHS	CT0053ZZ	Detail	2010	List	Delete

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[Facility Detail](#) | [Annual Footprint](#) | [Benchmarked Buildings](#) | [Evaluations](#) | [Projects](#)

Benchmarked Building Detail | [Benchmarking Activity](#)



Benchmarked Building Detail

Fields marked with * are required

Building Characteristics

* Building Name
* Real Property Unique Identifier
Building Location
* City
* State
* Zip Code

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[Facility Detail](#) | [Annual Footprint](#) | [Benchmarked Buildings](#) | [Evaluations](#) | [Projects](#)

CT0053ZZ - AA RIBICOFF FB & CTHS

[Benchmarked Building Detail](#) | [Benchmarking Activity](#)

Benchmarking Activity

[Add Benchmarking Activity](#)

Activity Year ▲ ▼	Benchmarking System Description ▲ ▼	Energy Star Rating ▲ ▼	Benchmarking Activity Detail
2010	ENERGY STAR Portfolio Manager	88	Detail Delete

 Valid Yes/No = indicates missing required data in the record

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GSA/01 - AA RIBICOFF FB & CTHS

- Facility Detail
- Annual Footprint
- Benchmarked Buildings
- Evaluations
- Projects

CT0053ZZ - AA RIBICOFF FB & CTHS

- Benchmarked Building Detail
- Benchmarking Activity

Benchmarking Activity Detail

Edit

Fields marked with * are required

Benchmarking

- * Activity Year (yyyy)
- * Benchmarking System

Building Characteristics

- * Real Property Unique Identifier
- * Building Type
- * Total Floor Space (Gross Sq Ft)

Annual Benchmarking Metrics

- * Annual Energy Use (site delivered) (Million Btu)
- * Annual Energy Use (source) (Million Btu)
- * Annual Energy Intensity (site delivered) (Btu/GSF)
- * Annual Energy Intensity (source) (Btu/GSF)
- * Annual Weather-normalized Energy Intensity (site delivered) (Btu/GSF)
- * Annual Weather-normalized Energy Intensity (source) (Btu/GSF)
- Energy Star Rating (if available) (1-100)
- Annual Water Consumption (Thou. Gallons)
- Green House Gas Emissions (MT CO2e)
- Guiding Principles Complete

Comments

GSA/01 - AA RIBICOFF FB &CTHS

- Facility Detail
- Annual Footprint
- Benchmarked Buildings
- Evaluations**
- Projects

Evaluations

[Add Evaluation](#)

Evaluation Name 	Evaluation Completion Date 	Status	Evaluated Square Footage (Thou. Sq Ft)	Evaluation Detail	
CT0053ZZ - 2011 EISA Audit	06/22/2011	Completed	391.6	Detail	Delete

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[Facility Detail](#) |
 [Annual Footprint](#) |
 [Benchmarked Buildings](#) |
 [Evaluations](#) |
 [Projects](#)

Evaluation Detail

Last Completed Evaluation: 06/22/2011

[Edit](#)

Fields marked with * are required

* Evaluation Name	<input type="text" value="CT0053ZZ - 2011 EISA Audit"/>
* Evaluation Completion Date	<input type="text" value="06/22/2011"/> (mm/dd/yyyy)
* Retro/Re-Commissioning Assessment	<input type="text" value="Yes"/>
* Gross Evaluated Square Footage	<input type="text" value="391.6"/> (Thou. Sq Ft)
* Est. Implementation Cost of Measure(s)	<input type="text" value="\$350,642"/> (Dollars)

Estimated Annual Data

* Energy Savings	<input type="text" value="2,263.0"/> (Million Btu)
* Energy Cost Savings	<input type="text" value="\$113,025"/> (Dollars)
* Water Savings	<input type="text" value="135.6"/> (Thou. Gallons)
* Water Cost Savings	<input type="text" value="\$4,268"/> (Dollars)
Other Ancillary Cost Savings	<input type="text" value="\$2,247"/> (Dollars)

Estimated LifeCycle Data

Energy Savings	<input type="text"/>	(Million Btu)
Present Value Energy Cost Savings	<input type="text"/>	(Dollars)
Water Savings	<input type="text"/>	(Thou. Gallons)
Present Value Water Cost Savings	<input type="text"/>	(Dollars)
Present Value Other Ancillary Cost Savings	<input type="text"/>	(Dollars)

Potential ECMs

Estimated LifeCycle Data

Energy Savings (Million Btu)
Present Value Energy Cost Savings (Dollars)
Water Savings (Thou. Gallons)
Present Value Water Cost Savings (Dollars)
Present Value Other Ancillary Cost Savings (Dollars)

Potential ECMS

Boiler Plant Improvements
Chiller Plant Improvements
Building Automation Systems/EMCS
Other HVAC
Lighting Improvements
Building Envelope Modifications
CW/HW/Steam Distribution Systems
Electric Motors and Drives
Refrigeration
Distributed Generation
Renewable Energy Systems
Energy/Utility Distribution Systems
Water and Sewer Conservation Systems
Electrical Peak Shaving/Load Shifts
Rate Adjustments
Energy Related Process Improvements
Advanced Metering Systems
Appliance/Plugload Reductions
Commissioning Measures
Other

Comments

GSA/01 - AA RIBICOFF FB &CTHS

- Facility Detail
- Annual Footprint
- Benchmarked Buildings
- Evaluations
- Projects**

Projects

[Add Project](#)

Project Name ▲ ▼	Project Initiation Date ▲ ▼	Project Detail	Follow-up Activity	Valid	
New Test Project	04/21/2011	Detail	List	No	Delete

Valid Yes/No = indicates missing required data in the record

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- Facility Detail
- Annual Footprint
- Benchmarked Buildings
- Evaluations
- Projects

Project Detail

[Follow-up Activity](#)

Project Detail

i = Required for project to be "Valid"

Fields marked with * are required

Edit

* Project Name

i

* Agency Designated Project ID

i

Project Status

* Project Initiation (contract awarded) (mm/dd/yyyy) **i**
 Project Implementation (substantial completion) (mm/dd/yyyy)
 Project Acceptance (equipment commissioned/O&M plan in place) (mm/dd/yyyy)

Edit

Project Implementation Cost by Funding Source

Funding Levels By Funding Type **i**

Total Project Implementation Costs (sum of above) (Dollars)

Total Financing Costs (if applicable) + (Dollars)

Total Awarded Contract Value (calculated) = (Dollars)

GSA/01 - AA RIBICOFF FB & CTHS

- Facility Detail
- Annual Footprint
- Benchmarked Buildings
- Evaluations
- Projects

Project Detail

[Follow-up Activity](#)

Project Detail

i Add at least one Funding Source

Project Implementation Cost by Funding Source

Funding Levels By Funding Type **i**

Direct (ARRA)	<input type="text"/>	(Dollars)
Direct (Centralized Capital Funding)	<input type="text"/>	(Dollars)
Decentralized Operating Budgets	<input type="text"/>	(Dollars)
Utility Energy Service Contract (UESC)	<input type="text"/>	(Dollars)
Energy Savings Performance Contract (ESPC)	<input type="text"/>	(Dollars)
Power Purchase Agreement (PPA)	<input type="text"/>	(Dollars)
Enhanced Use Lease (EUL)	<input type="text"/>	(Dollars)
Incentive Program	<input type="text"/>	(Dollars)
Other	<input type="text"/>	(Dollars)

Total Project Implementation Costs (sum of above) (Dollars)

Total Financing Costs (if applicable) + (Dollars)

Total Awarded Contract Value (calculated) = (Dollars)

Save Cancel

Edit

Project Cost Effectiveness

* LCC Net Savings (Dollars) [i](#)
Life Of Project (optional) (Years)

Edit

Estimated Energy/Water Savings [i](#)

Estimated Annual Energy Savings (Million Btu)

Estimated Savings By Fuel Type

Electricity Savings (Kwh)
Natural Gas Savings (Thou. Cu Ft)
Coal - Anthracite (Short Tons)
Coal - Bituminous (Short Tons)
Coal - Coke (Short Tons)
Distillate Fuel Oil #1 (Gallons)
Distillate Fuel Oil #2 (Gallons)
Distillate Fuel Oil #4 (Gallons)
Distillate Fuel Oil #5 (Gallons)
Distillate Fuel Oil #6 (Gallons)
Propane (Gallons)
Liquid Propane (Gallons)
District Steam (Thou. Lbs)
Chilled Water - Electric Driven (Ton Hours)
Chilled Water - Absorption (Ton Hours)
Chilled Water - Engine Driven (Ton Hours)
Kerosene (Gallons)
Diesel (Gallons)
Other (Million Btu)

Estimated Annual Water Saving (Gallons)

Estimated Annual Renewable Electricity Output (Kwh)

Estimated Annual Renewable Thermal Output (Million Btu)

Project Comments

Project Detail

[Follow-up Activity](#)

Project Detail

i Add at least one Technology Category

Energy Conservation Measures Implemented

ECM Count per Technology Category **i**

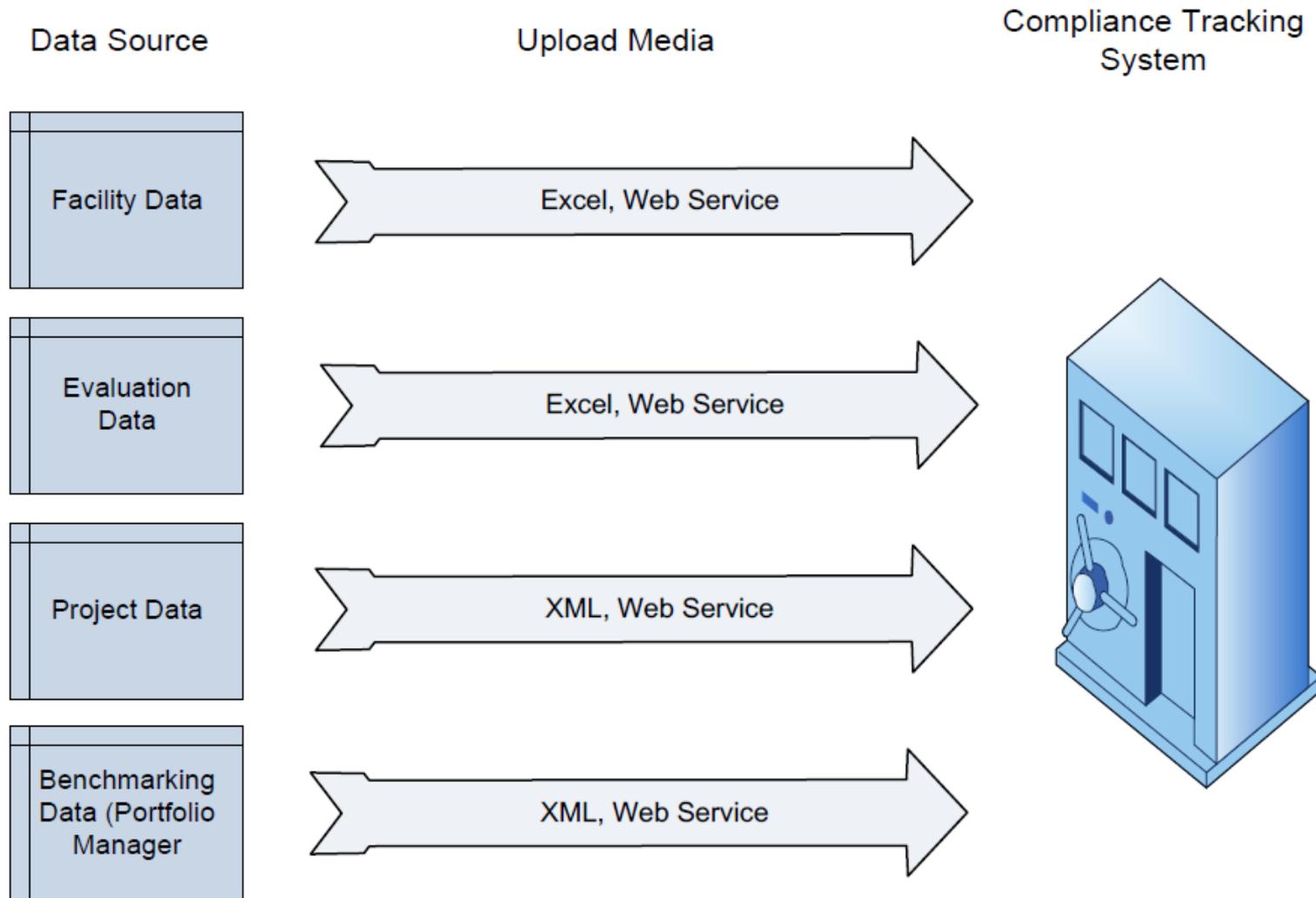
Boiler Plant Improvements	<input type="text"/>	<input type="button" value="Detail"/>
Chiller Plant Improvements	<input type="text"/>	<input type="button" value="Detail"/>
Building Automation Systems/Energy Management Control Systems (EMCS)	<input type="text"/>	<input type="button" value="Detail"/>
Heating, Ventilating, and Air Conditioning	<input type="text"/>	<input type="button" value="Detail"/>
Lighting Improvements	<input type="text"/>	<input type="button" value="Detail"/>
Building Envelope Modifications	<input type="text"/>	<input type="button" value="Detail"/>
Chilled Water, Hot Water, and Steam Distribution Systems	<input type="text"/>	<input type="button" value="Detail"/>
Electric Motors and Drives	<input type="text"/>	<input type="button" value="Detail"/>
Refrigeration	<input type="text"/>	<input type="button" value="Detail"/>
Distributed Generation	<input type="text"/>	<input type="button" value="Detail"/>
Renewable Energy Systems	<input type="text"/>	<input type="button" value="Detail"/>
Energy/Utility Distribution Systems	<input type="text"/>	<input type="button" value="Detail"/>
Water and Sewer Conservation Systems	<input type="text"/>	<input type="button" value="Detail"/>
Electrical Peak Shaving/Load Shifting	<input type="text"/>	<input type="button" value="Detail"/>
Energy Cost Reduction Through Rate Adjustments	<input type="text"/>	<input type="button" value="Detail"/>
Energy Related Process Improvements	<input type="text"/>	<input type="button" value="Detail"/>
Advanced Metering Systems	<input type="text"/>	
Appliance/Plug-load reductions	<input type="text"/>	<input type="button" value="Detail"/>
Commissioning Measures	<input type="text"/>	
Other	<input type="text"/>	

i Indicates ECM details are specified

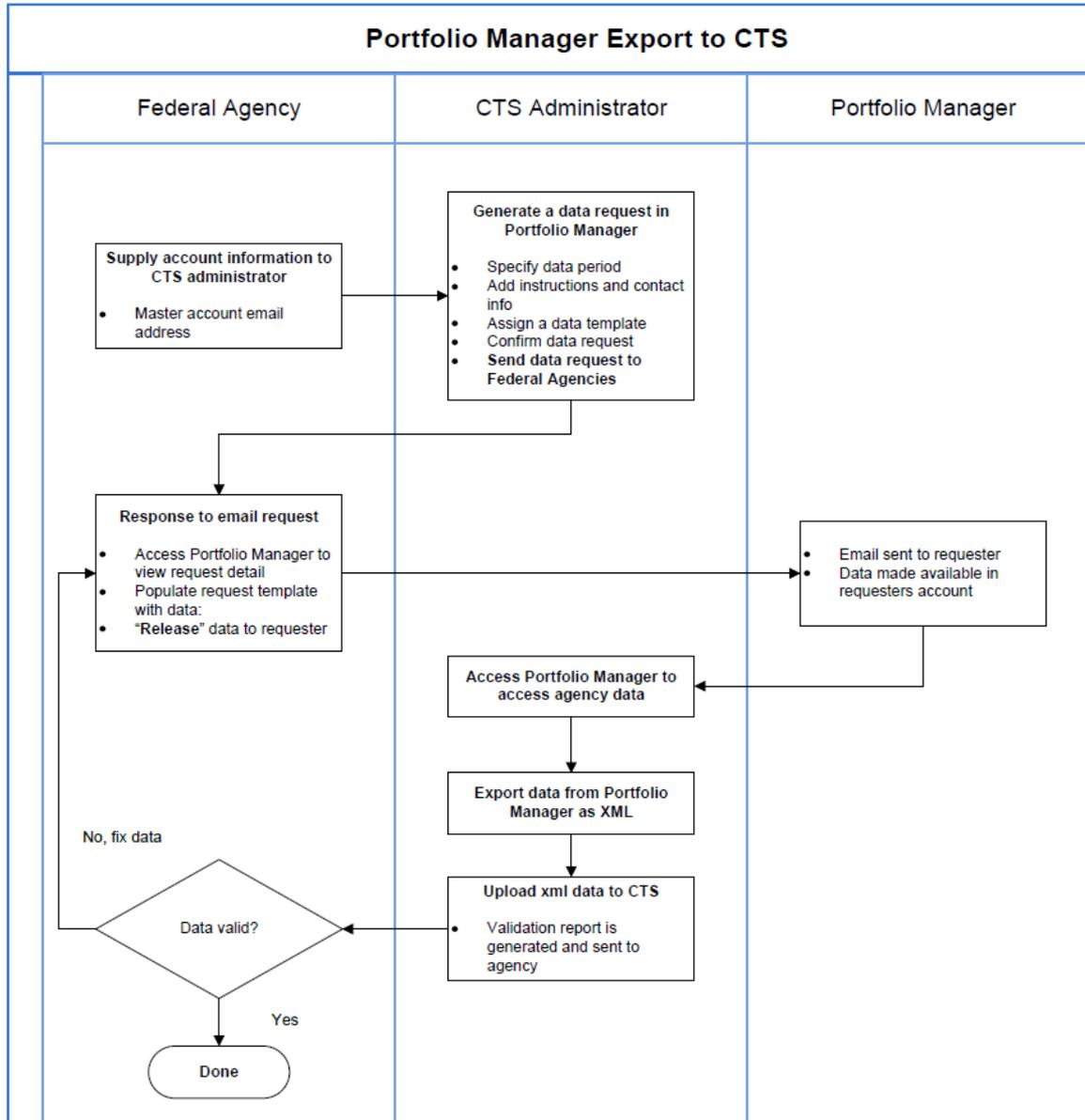
Bulk Data Upload

- Via Excel Spreadsheet
 - Facility Data, Evaluation Data only
 - Functionality currently available in CTS
- Via XML (CTS User Interface)
 - Project Data (including Follow-up activity)
 - Benchmarked Building Data (including Benchmarking data from systems other than Portfolio Manager)
 - Portfolio Manager Export Data
- Via Web Service
 - Facility, Evaluation, Project, Benchmarked Building
 - Currently available in beta release

Bulk Data Upload to CTS



Portfolio Manager Export to CTS



Welcome to EISA 432 CTS Reports

The **Compliance Tracking System** provides the following reports to track the compliance and progress of each agency under 42 U.S.C. 8253(f) *Use of Energy and Water Efficiency Measures in Federal Buildings*.

Note: Many of the reports listed below may be filtered by "Fiscal Year". Fiscal Year refers to the fiscal year of the facility annual footprint data. Data from fiscal year 2010 will be used to evaluate compliance and evaluation progress for the June 30, 2011 data call, however the fiscal year filters currently default to FY 2009 for reference purposes.

Also note that although evaluation data is **not** directly tied to a data year, the evaluation **progress** reports depend on use of facility annual footprint data to calculate the progress metrics. Thus, the "Fiscal Year" filter is available to determine progress based on a particular annual footprint fiscal year. Again, for compliance purposes, FY 2010 will be used as of June 30, 2011 to determine progress reported on the annual energy scorecard. If there is no FY 2010 facility annual footprint data available, the evaluation progress is displayed as "0".

Report data is updated at the "top" of each hour (e.g. 12:00, 1:00, etc.) This process normally takes less than 1 minute. Reports are not available during this process.

Covered Facility Reports

- Compliance Progress
 - [Covered Facility Footprint and Energy Manager Assignment \(Government-Wide\)](#)
 - [Covered Facility Footprint and Energy Manager Assignment \(by Agency\)](#)
 - [Compliance and Evaluation Progress Metrics \(by Agency\)](#)
- Facility Detail
 - [Covered Facility Characteristics](#)
 - [Facility Energy Manager](#)
 - [Covered Facility Annual Footprint](#)

Evaluation Reports

- Comprehensive Evaluation Progress
 - [Comprehensive Evaluation Progress](#)
 - [Comprehensive Evaluation Progress \(by Agency\)](#)
 - [Comprehensive Evaluation Progress \(by Sub-Agency\)](#)
 - [Comprehensive Evaluation Progress \(by Facility\)](#)
- Comprehensive Evaluation Findings
 - [Comprehensive Evaluation Findings \(by Agency\)](#)
 - [Comprehensive Evaluation Findings \(by Sub-Agency\)](#)
 - [Comprehensive Evaluation Findings \(by Facility\)](#)

Covered Facility Reports

- Compliance Progress
 - [Covered Facility Footprint and Energy Manager Assignment \(Government-Wide\)](#)
 - [Covered Facility Footprint and Energy Manager Assignment \(by Agency\)](#)
 - [Compliance and Evaluation Progress Metrics \(by Agency\)](#)
- Facility Detail
 - [Covered Facility Characteristics](#)
 - [Facility Energy Manager](#)
 - [Covered Facility Annual Footprint](#)

Evaluation Reports

- Comprehensive Evaluation Progress
 - [Comprehensive Evaluation Progress](#)
 - [Comprehensive Evaluation Progress \(by Agency\)](#)
 - [Comprehensive Evaluation Progress \(by Sub-Agency\)](#)
 - [Comprehensive Evaluation Progress \(by Facility\)](#)
- Comprehensive Evaluation Findings
 - [Comprehensive Evaluation Findings \(by Agency\)](#)
 - [Comprehensive Evaluation Findings \(by Sub-Agency\)](#)
 - [Comprehensive Evaluation Findings \(by Facility\)](#)

Implemented Project Reports

- [Implemented Projects by Calendar Year \(by Agency\)](#)
- [Implemented Projects by Fiscal Year \(by Agency\)](#)
- [Implemented Projects by Calendar Year \(by Facility\)](#)
- [Implemented Projects by Fiscal Year \(by Facility\)](#)
- [Implemented Project Follow-up Activity Detail \(by Facility\)](#)

Benchmarked Building Reports

- [Benchmarked Buildings \(by Agency\)](#)
- [Benchmarked Buildings \(by Facility\)](#)
- [Benchmarking Activity Detail \(by Facility\)](#)

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[Webmaster](#) | [Web Site Policies](#) | [Security & Privacy](#) | [USA.gov](#)

CTS Help Resources

- Currently Available from CTS Help Menu
 - CTS User Guide (PDF)
 - CTS Data Dictionary (PDF)
 - Training Presentations (PowerPoint)
 - Facility, Evaluation, Facility Management, User Administration training
 - Future: Data Upload, Implemented Projects, Benchmarked Buildings
 - Release Notes (PDF)
 - CTS Version 2.2 thru 2.7 detailed notes of system updates
- Future Enhancements
 - Context Sensitive Help - links from CTS data fields and reports
 - Collaborative Help Portal - FAQ, discussion forums, Q&A, enhancement request submission/ discussion forum

For More Information

Federal Energy Management Program:

www.eere.energy.gov/femp

EISA 432 Compliance Tracking System:

http://www1.eere.energy.gov/femp/regulations/facility_cts.html

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