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Federal Energy Management Program

# High Performance Federal Buildings Database

Interagency Sustainability Working Group

January 23, 2007

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## High Performance Federal Buildings Database

[www.eere.energy.gov/femp/highperformance](http://www.eere.energy.gov/femp/highperformance)

- Sponsored by DOE – FEMP
- Based on the original DOE Building Technologies Program High Performance Buildings Database
- 1 of 8 portals to master case study database
- 34 federal case study projects, 17 LEED® certified
- Find ideas and results for building design and construction



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# Home Page View

Federal Energy Management Program: High Performance Federal Buildings - Microsoft Internet Explorer

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Address http://www.eere.energy.gov/femp/highperformance/ Go Links

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## Federal Energy Management Program

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### High Performance Federal Buildings



- Using the Database
- Search by Project Name
- Search by Owner
- Search by Location
- Search by Building Type & Size
- List All Projects
- Detailed Search

Many federal facilities have succeeded in creating high performance buildings that save energy and reduce the environmental impact on our lives. We have captured a sampling of these successes in this High Performance Federal Buildings Database, a database showcasing examples of sustainable building projects in the federal government. Use the database to examine project details or to explore some construction or retrofit ideas for your facility.



FEMP is sponsoring this federal portal to the High Performance Buildings Database. FEMP also supports the [Interagency Sustainability Working Group](#). This database contributes to the working group's purpose of exchanging information about federal agency sustainable design activities as demonstrated in these high performance federal building projects. The High Performance Buildings Database is research sponsored by the U.S. Department of Energy; it seeks to improve building performance measuring methods by collecting data on various factors that affect a building's performance, such as energy, materials, and land use. The database includes information from buildings around the world, ranging from homes and commercial interiors to large buildings and even whole campuses and neighborhoods. These may be certified "green" projects, or simply projects that have one or more notable environmental features. The information has been reviewed for consistency and presentation, but in most cases, the details have not been independently verified.

To find projects of interest, use any of the search options listed on the left or select "list all projects" to see the entire list. Each project description may or may not include details on various aspects of its design process, costs, and/or environmental performance. You can limit your search to projects that include details in a particular topic area by using the "detailed search" function.

More information about this database is available in the following areas:

- [List all 34 projects](#)
- [Using the Database](#)
- [Legal Disclaimer](#)
- [Submit a Project](#)

 Search  
[Search Help](#) [More Search Options](#)  
 EERE Information Center

The High Performance Buildings Database is provided by the U.S. Department of Energy's Building Technology Program



## MOU for Federal Leadership in High Performance and Sustainable Buildings

### GUIDING PRINCIPLES

#### II. Optimize Energy Performance Measurement and Verification.

“... Enter data and lessons learned from sustainable buildings into the High Performance Buildings Database.”



## Federal Leadership in High Performance and Sustainable Buildings

### Model Program Implementation Plan

### OFEE/ISWG Guidance for Contents and Organization

### Recommended Milestones and Deliverables for Measuring Progress

Phase 2: “... The success stories and lessons learned for at least one major building project are reported into the High Performance Federal Buildings Database (provided the agency has an applicable project to report).”



- OMB – Real Property Asset Management Plans and Scorecard
- sfGreenPRINT
- Center for the Built Environment – Occupant Indoor Environmental Quality (IEQ) Surveys
- FEMP – Building Cost and Performance Metrics: Data Collection Protocol
- Agency specific reporting

***EXISTING LITERATURE ON METRICS***

Building Cost and Performance Metrics: Data Collection Protocol

Center for the Built Environment (CBE) Post-Occupancy Surveys

*Other?*

***CURRENT ISWG ACTIVITIES ON METRICS***

ISWG Subcommittee White Paper on Standard HPSB Metrics

**Revision of Metrics for the High Performance Federal Buildings Database**

***REPORTING THAT REQUIRES METRIC GUIDANCE***

sfGreenPrint Tool tailored specifically to Federal Buildings

Agency-Specific Reporting for the MOU on Federal Leadership in HPSB

Standard inputs for OMB Real Property Asset Management Plans and Scorecard



- Proposal to enhance the Database by adding items from the FEMP *Building Cost and Performance Metrics: Data Collection Protocol*
- 3 categories:
  - Simple data point additions
  - Water data sets (similar to existing energy data sets)
  - Operational data
- With limited resources, how to prioritize?
- Are these additional data points worthwhile?
- Are we missing something else important?



- Web links
- Partners for maintaining/updating existing projects and adding new
- Database output options
- What qualifies a project for the Database?
  - Agency staff to approval to publish
  - Current: outstanding or noteworthy high performance or sustainability related features
  - Future: meets the guidelines of the MOU