

Energy Efficient Buildings Hub Activities and Accomplishments Brief
July 1, 2013

The Energy Efficient Buildings (EEB) Hub has undergone regular and ongoing review with involvement from the U.S. Department of Energy (DOE). The following is a summary of the EEB Hub's performance since its inception, as well as selected accomplishments supporting that benchmarks and milestones were consistently met.

Technical Performance

The technical work of the EEB Hub is organized into 32 projects aimed at producing eight deliverables during its first five-year term. Each year the EEB Hub prepares a scope of work and budget with annual deliverables and quarterly milestones for each project which is approved by the DOE. **Since inception of the Hub in February 2011, all quarterly milestones and annual deliverables have been completed on time and within budget.**

Management Performance

An external DOE panel of experts comprehensively reviews the EEB Hub annually. The Hub also undergoes comprehensive internal Strategic Management Reviews twice per year and is also reviewed twice annually by the EEB Hub Advisory Board comprised of the Hub's own panel of independent experts. **While no major management deficiencies have been identified through any of these reviews, the Hub management team has incorporated many suggestions from these reviews to strengthen the operations of the Hub.** The DOE Office of Inspector General has also audited the EEB Hub. The report on this audit has not yet been released.

Selected Accomplishments

- Initiated a successful process for adoption of enhanced data access services for building owners from energy utilities. The successful strategy and process is now being turned into a case study and webinar series by DOE and is in part the basis for a new DOE program intended to engage regulators and utilities nationally on data access issues.
- Ten integrated retrofit demonstration projects underway leveraging \$180 million of private investment, in which integrated HVAC, envelope, glazing, shading, lighting, and control technologies that can reduce energy use by up to 30% are demonstrated. One of these projects was featured in the White House's Better Buildings Case Competition.
- Served as technical advisor for the City of Philadelphia's successful mandatory building benchmarking and disclosure legislative effort. Executed MOU with the City of Philadelphia to serve as a key implementation partner for benchmarking and disclosure through which the Hub serves as the key analyst of the benchmarked data, provides education and outreach to building owners and is developing a benchmarking certification program to help improve data quality.
- Demonstrated a new energy audit tool in 20 buildings that reduces the time required to conduct audits and make retrofit recommendations by a factor of ten while increasing consistency and improving accuracy. Slated for market deployment in January 2014.
- Launched a retuning training and certification program for building operators in partnership with DOE, NIST, and PNNL which achieves 10% reduction in energy use.
- Developed roadmap of key workforce credentials in the energy efficient building energy sector in cooperation with DOE as a national template for training programs.