



CBC NEWSLETTER – JANUARY 2011

CBC Steering Committee Member Massachusetts -DOER Seeks Public Comment on Commercial Building Energy Rating and Labeling

The Massachusetts Department of Energy Resources (DOER) prepared and released a white paper: [An MPG Rating for Commercial Buildings: Establishing a Building Energy Asset Labeling Program in Massachusetts](#) to provide a framework for a statewide commercial building asset energy rating and labeling program and possibly inform future programs at the national level. DOER is currently requesting public comments on the White Paper through February 12, 2011. There are three ways to provide comments:

- Send written comments here: Building.Labeling@state.ma.us
- Attend a Public Meeting on Tuesday 1/18/2011 from 9AM - 11AM (EST) in Boston
- Attend the Webinar on Thursday, January 20, 2011 from 2PM - 4PM (EST)

To RSVP for the public meeting and/or webinar, please contact yaara.grinberg@state.ma.us by Thursday, January 13th, 5 p.m. (EST).

After reviewing all comments and amending the strategy as appropriate, DOER expects to move forward with the development of a commercial building labeling pilot program, in collaboration with a number of stakeholders.

CBC Named to Peer Review Committee on Upcoming Commercial Superior Energy Performance Program

The U.S. Department Of Energy recently released a Funding Opportunity Announcement (FOA) for an administrator and technical assistance provider for a new Superior Energy Performance (SEP) Certification program for industrial and commercial facilities. The CBC was named as part of a Peer Review Committee for the commercial SEP program along with the U.S. Council for Energy Efficient Manufacturing (U.S. CEEM) and other industry stakeholders to provide “guidance and input on long term direction of the program.” [Read the DOE press release.](#)

INDUSTRY NEWS

CBC Members HOK and The Weidt Group Design Affordable Net Zero Emissions Office Building

The Weidt Group announced the results of a 10-month virtual design exercise in collaboration with HOK: their integrated design team deems it is possible to create a marketable and affordable net zero emissions Class A commercial office today. The site chosen for the intended 170,735 square foot office building is located in St. Louis, Missouri. The four-season climate of the site, Missouri 's electricity costs topping the charts across the US, and St. Louis dependence on coal for 81% of its electrical fuel made this site a real challenge for the team.

The design focuses on net zero emissions and the building also features on-site renewable energy systems including solar thermal tubes and rooftop and wall-mounted photovoltaic panels. The design provides a 76% reduction of carbon emissions and is deemed marketable now at an estimated construction cost of \$223 per sq.ft. The exercise also estimates that “annual energy cost savings through the building's energy efficiency, solar thermal and photovoltaic system are \$184,567, leaving an annual energy cost of \$2,418, or 1 cent per sq.ft. at current utility rates.” Find more details on the process at netzerocourt.com.

Mary Ann Lazarus, AIA, LEED AP BD+C, firmwide director of sustainable design at HOK says: “The exciting part is that we can do this now” and she highlights that the new challenge for architects will be to “embrace the limitations presented by daylighting and energy analyses”. [View photos](#) and [download Path to Net Zero Co₂urt book](#).

DOE Releases GATEWAY Report on LED Retrofit Lamps

The U.S. Department of Energy (DOE) has published the final report from a demonstration of LED retrofit lamps installed at the InterContinental Hotel in San Francisco, California. This GATEWAY demonstration report provides an overview of project results including lighting performance, economic performance, and potential energy savings.

The lighting (wall-grazing luminaires, track lights, and recessed downlights) in the high-end hotel were retrofitted with 6W LED MR-16 or 11W LED PAR30 replacement lamps. Key findings included a 70 percent energy savings from the replacement lamps vs. the halogen lamps, a simple payback of only 1.1 years, and satisfied user feedback from the LED lighting quality. [Learn more about the DOE GATEWAY demonstration program](#) and [download the complete report](#).

Industry Events (sidebar)

[Midwest Energy Solutions Conference](#)

January 12 - 14, 2011 – Chicago, IL

[7th Technology Workshop and Industry Forum: Energy Efficient Technologies for Government Buildings](#)

January 26-28, 2011 - Las Vegas, NV

[ASHRAE 2011 Winter Conference](#)

January 29 – February 2, 2011 - Las Vegas, NV

[14th Annual EUPEC: Energy, Utility & Environment Conference](#)

January 31 - February 2, 2011 - Phoenix, AZ

[NASEO 2011 Energy Policy and Technology Outlook Conference](#)

January 31- February 3, 2011 - Washington, DC

[AIA Grassroots 2011 Leadership and Legislative Conference: Design Voices](#)

February 2 - 5, 2011 – Washington, DC

[Webcast: CALiPER Round 11 Test Results](#) (Results of LED Product Testing)

February 8, 2011

[Defense Energy Conference](#)

February 9, 2011 – Washington, DC

[2011 Great Energy Efficiency Day](#)

February 16, 2011 – Washington, DC

[International Roofing Expo](#)

February 16-18, 2011 - Las Vegas, NV

[NESEA's BuildingEnergy Conference](#)

March 8 – 11, 2011 – Boston, MA

[EE Global 2011](#)

April 12 - 14, 2011 - Brussels, Belgium

Commercial Buildings Consortium

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