

PROGRAM UPDATES:

- **AEP Progress (September 30, 2013):**
Underway: 275 sites
Substantially Complete: 76 sites
Remaining: 349 sites
- **\$25.7 million contract** awarded to NORESKO for energy and water efficiency upgrades at McCormack and Lindemann buildings.
- **Berkshire House of Correction** \$3.5 million Energy Design-Build contract awarded to Millenium Builders.

STATE OFFICIALS RECOGNIZE ENERGY WORK

Various events highlight the Commonwealth's ongoing conservation efforts

Wall Experiment Station achieved first state-owned LEED-Platinum certification



Representatives at the event included DOER Leading By Example Program Director Eric Friedman (third from left) and DCAMM Director of Energy Hope Davis (third from right)

Patrick Administration officials and state representatives gathered in Lawrence on September 26th to celebrate the Commonwealth's first state-owned LEED Platinum-certified facility. The new \$30 million facility at the William X. Wall Experiment Station in Lawrence was completed in 2011.

Some of the installed conservation measures included a 52.5 kW solar PV system for on-site energy production and the use of rain garden technology for stormwater management. **The building is designed to reduce energy use by 21% over the LEED baseline and save more than \$50,000 annually!**

DCAMM partnered with MassDEP to transform the lab into a state-of-the-art facility. The 35,000 square-foot building houses the state's primary drinking water analysis operation.

Visit to DCR facilities highlights AEP energy retrofits at recreational sites

Officials from DCAMM, DOER, and the Department of Conservation and Recreation (DCR) toured Bradley Palmer State Park in Topsfield and Halibut Point State Park in Rockport on September 27th. The visit highlighted the collaboration of state agencies to achieve energy savings at a variety of facilities in support of the AEP. DCR Commissioner Jack Murray noted, "As the steward of more than 450,000 acres of land across the Commonwealth, our facilities have a variety of energy needs."

Upgrades at these state parks are part of the AEP's Simple Fix program, where DCAMM contracts directly with utility vendors for audit and construction services at smaller sites. DCR facilities represent the majority of the 475 Simple Fix sites included in the AEP.

AEP projects at Bradley Palmer and Halibut Point State Parks will provide:

- New lighting and controls.
- Programmable thermostats.
- Weather-stripping.
- Water fixture upgrades.
- Upgraded insulation.

Estimated annual savings:

- Bradley Palmer: **\$9,000**
- Halibut Point: **\$2,200**

TOWARD ZERO NET ENERGY

DCAMM & DOER host day-long workshop to encourage deeper energy retrofits

On September 13th, DCAMM and DOER hosted a charette to identify strategies and challenges to implementing Toward Zero Net Energy Building (ZNEB) retrofits at facilities. DCAMM is attempting to meet this challenge based on findings from a 2009 ZNEB task force spearheaded by DOER. This task force, made up of energy and building industry professionals, concluded that even though zero net energy performance may not be feasible for all state buildings, the state's objective should be to "reduce energy loads to the minimum practical level."

The 75 attendees at the September charette represented a diverse range of stakeholders from various AEP partner organizations including facility managers, utility providers, contractors, designers, DCAMM energy and construction project managers, and DOER.

The day featured break-out sessions with groups that tackled issues of implementing ZNE principles for DCAMM projects and what strategies stakeholders can use to address the challenges of these projects. The groups then reported out on strategies that can be incorporated either immediately or in the longer term. Overall, the process provided a good framework for DCAMM to move toward achieving increased energy savings for the Commonwealth.



Participants at the ZNEB Charette engaged in active discussions throughout the day's working sessions and presented their findings back to the larger group.

Charette conclusions summary:

- Define ZNE goals and align with existing conditions
- Incorporate innovative solutions
- Establish integrated processes
- Assign the "right team" at the onset of projects
- Get buy in from all decision makers early
- Time retrofits to match equipment life cycles
- Manage post-project operations more effectively

Full charette report will be made available on the AEP website with finalized conclusions.



Holyoke Community College

DCAMM's pilot Toward Zero Net Energy project is underway at the campus to identify an additional 20-30% of energy cost savings on top of energy conservation measures already being studied that are expected to save 10-15% in costs.

For more information on the AEP, contact:

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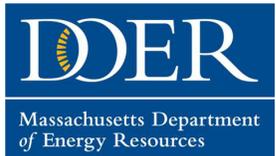
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