

# Energy Team Newsletter

Summer 2015

[www.mass.gov/dcamm/energy](http://www.mass.gov/dcamm/energy)

## Utility Vendor Program Hits Milestone

As of Summer 2015, The Energy Team has **substantially completed 100 Utility Vendor projects!** This amounts to **roughly 25% of the 460 total buildings in that program.** This is a major milestone for the Energy Team, and thanks is clearly due to the vendors and utility companies, who are working diligently to complete the work and close-out documentation.



The Fitchburg Courthouse (left) and Dorchester Armory (right) are two of the 100+ substantially completed sites in the Simple Fix program.

## Zero Net Energy Charrette Recap



Photo of a ZNE Charrette breakout session at the Greenfield event. Sessions focused on idea and solution generation. Additional charrette events were held in Boston and Westborough.

DCAMM and DOER held three successful charrette events this summer to identify how energy projects might achieve Zero Net Energy (ZNE) status. Participants, which included DCAMM, DOER, client agencies, contractors, and consultants, contributed valuable ideas and suggestions to guide the state's approach to ZNE buildings. These charrettes built on previous task force work, which identified how to best implement ZNE retrofit projects. Goals for this series of charrettes included developing a vision for the future, defining and prioritizing actions needed to achieve ZNE, and developing the roadmap to implementing those strategies at state facilities. The lively sessions produced a number of ideas and suggestions. The charrette presentation can be found on this site: <http://bit.ly/ZNEcharrette>



COMMONWEALTH COMMITMENT  
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## Program Updates

### **RFPs (Requests For Proposals) for comprehensive energy & water upgrades issued in 2015:**

- Sheriff Department Bristol
- Holyoke Community College
- Massachusetts State House
- State Lab in Jamaica Plain
- Department of Youth Services in Westborough

### **Upcoming comprehensive energy & water RFPs:**

- Roxbury Community College
- Mass. Hospital School
- Westfield State University
- Fitchburg State University

### **Requests For Response (RFRs) issued in 2015:**

- Solar Array Inspection & Related Services

#### *Inspection and small repair of solar photovoltaics*

- Demand Response Program Administration

#### *Enrollment and management of facilities in the ISO-New England program*

- Building Energy Intelligence System

#### *Enhancement and expansion of energy management program*

## More ZNE Info

Visit the site below for an additional recap on the ZNE charrettes, written by DOER intern Mimi Kaplan:

<http://bit.ly/ZNEblog>

# Energy Team Intern Develops Life Cycle Cost Analysis Tool

Each year, top-tier graduate students are selected by the Environmental Defense Fund (EDF) to become Climate Corps fellows. Fellows are paired with host organizations who are looking to take their energy management to the next level. This summer, DCAMM's Energy Team hosted Hye Min Park, an environmental engineering graduate with project experience in Korea.

Park's primary objective at DCAMM was to research and develop a specialized energy life cycle cost analysis tool—something the team has been interested in for some time. The tool will be used in the specification of building systems that impact energy use, water use, greenhouse gas emissions, and operating costs throughout a building's life cycle. Park discussed her work at a DCAMM brown bag session on August 17, and will test her findings in a case study and final presentation.



Hye Min Park, the 2015 Environmental Defense Fund Climate Corps Fellowship intern at DCAMM

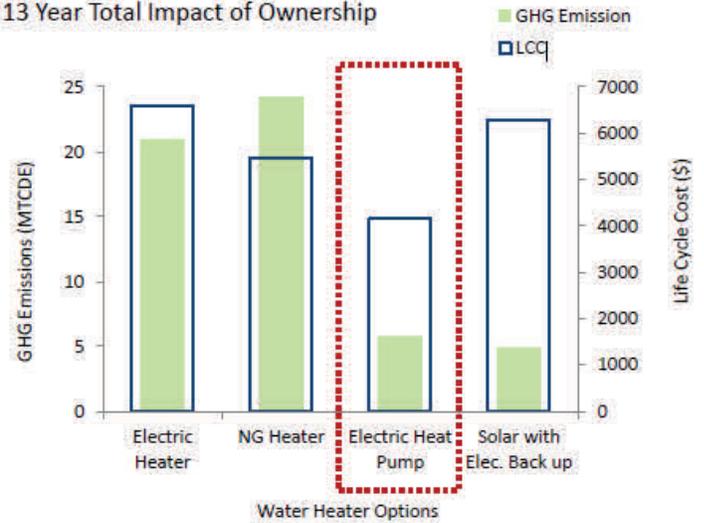
For more info on the EDF Climate Corps program, visit:

[www.edfclimatecorps.org](http://www.edfclimatecorps.org)

## LCCA EXAMPLE: Type III

Mutually exclusive design options for water heating system

13 Year Total Impact of Ownership



Example of an energy system Life Cycle Cost Analysis from Park's brown bag presentation.

## Did you know?

**Building projects over \$25,000 that affect energy are required to have a Life Cycle Cost Analysis done.**



Division of Capital Asset Management and Maintenance

**D · C · A · M · M**

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