

Accelerated Energy Program Newsletter

June / July 2013



Leading By Example (LBE) & AEP Meeting - Mass. Maritime
AEP Deputy Director Jenna Ide and Leading By Example Director Eric Friedman introduce AEP updates at the Joint LBE/AEP meeting on July 24th at Mass. Maritime Academy in Bourne.

PROGRAM UPDATES

- **AEP Progress:** Projects initiated at 309 sites; 151 have completed audits.
- **19 additional military sites** audited by new utility vendors: Energy Conservation Inc. and Paquette Electric Co.
- **Request For Information (RFI) issued** on June 28 for pilot anaerobic digestion installations at MCI Shirley, MCI Norfolk, and UMass Amherst Wastewater Treatment Plant.
- **“Toward Zero Net Energy” initiative** underway at Holyoke Community College to evaluate energy conservation measures (ECMs) to reduce energy at the college by 40% or more.

GOVERNOR CELEBRATES LANDMARK ENERGY POLICIES

Governor Patrick honors the anniversary of the passage of key pieces of energy legislation



Governor Deval Patrick (far right) spoke at Mass. Maritime Academy along with (L-R) President & CEO of Beaumont Solar Company, Phil Cavallo; former Secretary of Energy and Environmental Affairs (EEA), Ian Bowles; and current EEA Secretary, Rick Sullivan.

CELEBRATED “GREEN” LEGISLATION

- *Green Communities Act*
- *Global Warming Solutions Act*
- *Green Jobs Act*
- *Massachusetts Oceans Act*

Governor Deval Patrick visited Massachusetts Maritime Academy on July 24 to celebrate the fifth anniversary of the passage of four acts of legislation relating to environmental and energy conservation. The administration’s success on this front have led to a **11.2% decrease in the state’s greenhouse gas emissions**. Governor Patrick lauded the efforts of many state leaders, employees and stakeholders for their dedication

to clean energy and natural resource preservation, while also noting that “the time is now” to continue to address the energy realities of Massachusetts and the world: “Our climate is changing,” Patrick noted, “We have to become more resilient and show our national leaders what can be done.”

Secretary of Energy & Environmental Affairs Rick Sullivan, congratulated programs such as the AEP and Leading By Example for developing innovative ways to reduce the state’s energy use and for adding to the clean energy workforce.

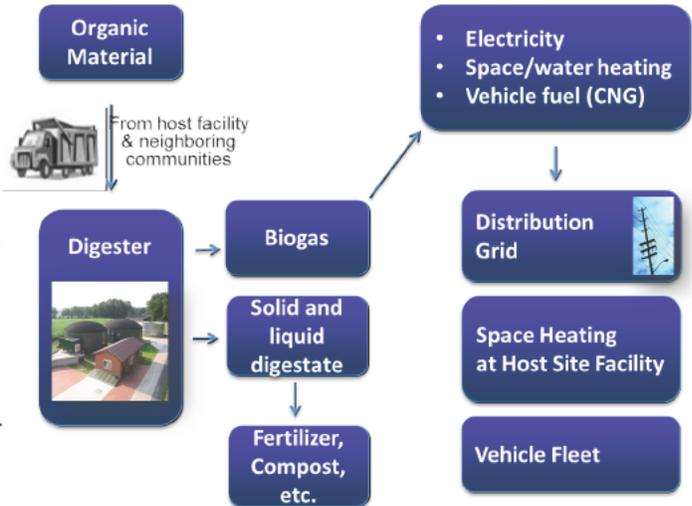
Mass. Maritime proved to be a perfect setting for the celebration of the day’s events. The campus has successfully integrated multiple alternative energy technologies during Governor Patrick’s tenure that significantly reduce the campus’ energy costs and dependence on fossil fuels, including **geothermal heating and cooling, solar photovoltaics, wind turbines, and an upcoming solar thermal installation**.

INNOVATION at DCAMM

New processes bring new approaches to DCAMM's conservation efforts

Anaerobic digestion installations will bring new methods of saving energy

DCAMM & the Department of Environmental Protection (MassDEP) are currently working with the Department of Correction and UMass Amherst on anaerobic digestion installations. This process takes food waste and breaks it down into biodegradable material in an oxygen-free environment to provide an effective way to manage waste and produce usable energy. Electricity, heating, and vehicle fuel can be produced through the process. Funding for the development of these facilities will be provided by MassDEP and DOER. This is a large part of MassDEP's proposed commercial food waste ban, scheduled to take effect by July 1, 2014.



The basics of the anaerobic digestion process.

More information on the food waste ban:
<http://bit.ly/DEPwasteban>

More information on anaerobic digestion:
<http://bit.ly/MassAD>

A Request For Information (RFI) was issued by DCAMM in June to potential proposers to design the facilities. Eight responses have been received through July. The design and installation phases are scheduled to take place in 2014. This effort represents DCAMM's first foray into the conversion of food waste to energy, and is part of the agency's continued commitment to finding new, environmentally-conscious ways of producing energy for Commonwealth facilities.

New working group investigating innovative clean energy technologies

DCAMM has created a new collaborative working group to improve energy saving efforts. The AEP Innovation Working Group is tasked with developing a process for vetting, evaluating, piloting, and procuring innovative, clean energy technologies. The group will also support efforts to bring state facilities closer to "zero net energy" usage by addressing specific challenges in meeting energy consumption savings. Even though AEP projects achieve significant energy and water savings already, this new group will look at deeper energy retrofits that have potential for reducing our state facilities' environmental impacts even further through program changes.

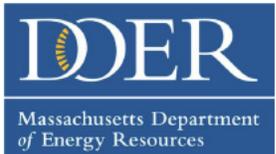
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