

Accelerated Energy Program Newsletter

April - May 2014



PROGRAM UPDATES:

AEP Progress (through April 2014):

Underway: 421 sites
Completed: 114 sites
Remaining: 165 sites

- **Four proposals received** on March 17 for Energy Design-Build project at Essex County Sheriff facilities in Lawrence and Middleton.
- **Request For Proposals (RFP) issued** for Energy Design-Build project at Middlesex Community College in Bedford on March 27.

Innovative technologies enable facilities to participate in state's Demand Response program

Demand Response (DR) is a program which helps electricity customers monitor and manage their usage. The program compensates large electricity users that either reduce their consumption by 100 kilowatts within 30 minutes notice, or deliver permanent relief to the grid during peak usage periods.

The ISO New England regional grid operator administers the program for the state, which ensures the electric grid remains stable and that blackouts are prevented. DCAMM has contracted with Constellation Energy to enroll agencies in the program and to provide all necessary paperwork.

Through several current and planned AEP projects, the Commonwealth is investing in innovative technologies to help facilities participate in the program:

Plymouth County Correctional Facility:

A combined heat and power plant (CHP) is being installed onsite to reduce peak power demand at the site. NSTAR is providing incentives that maximizes the project's cost-effectiveness.

Essex County Sheriff's Department:

Part of the current AEP project includes replacing the current antiquated switchgear with a remote transfer station to enable the facility's participation during the summer and winter.



DCAMM partners with Constellation to assist facilities with participation in ISO New England's Demand Response program, ensuring the stability of an overtaxed electric grid.



Plymouth County Correctional Facility (pictured) is one of many AEP facilities which will benefit from the energy-reducing program.

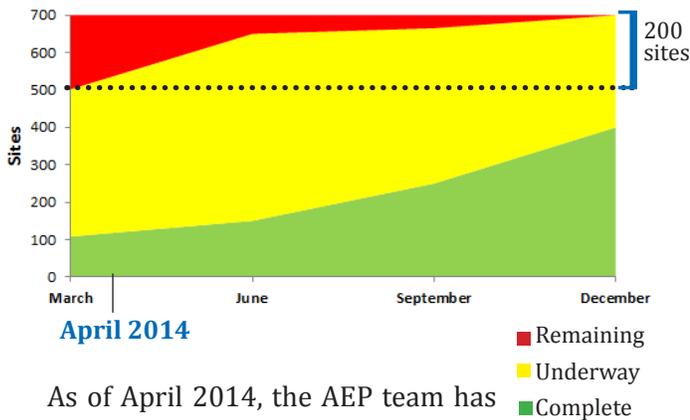
Massachusetts Information Technology Center (MITC) - Chelsea:

A planned installation of an uninterruptible emergency power supply seeks to reduce demand by over 3,700 kW in the summer and 2,800 kW in the winter. Upon completion in 2017, ***demand reductions are expected to produce \$600,000 in customer revenue for the program.***

If your facility is not enrolled in the program, contact Dave Lewis for more information at: dave.lewis@state.ma.us or 617-727-4030 x31472

UNDER 200 TO GO!

Expected AEP Site Status Progress As of April 2014



April 2014

As of April 2014, the AEP team has initiated or completed **535 out of the 700 total sites!** With only 165 sites remaining to initiate, the AEP is well on its way to achieving the goal of having all 700 sites initiated or completed by December 31, 2014!

Did you know?

The wind turbines at NCCI Gardner generate **\$0.25 in electricity with each revolution!**



The two Vestas 1.65 MW turbines have generated **\$60,000 in excess electricity revenue in one month!** Gardner uses the excess revenue to pay the electric bills at another DOC facility.

USGBC Releases 2013 LEED Data

The U.S. Green Building Council has recognized the states that lead the movement for healthier, high-performing buildings with its ranking of the *Top 10 States for LEED*. The list ranks states based on their per-capita square footage of commercial and institutional space certified in 2013. **Massachusetts placed fourth on this year's list**, certifying 101 projects at 2.09 square feet per resident. DCAMM alone certified three projects in 2013!

Rank	State	Projects Certified in 2013	Sq. Ft. LEED Certified in 2013 (million)	Sq. Ft. LEED Certified Per Capita
1	IL	171	29.4	2.29
2	MD	119	12.6	2.2
3	VA	160	16.8	2.11
4	MA	101	13.6	2.09
5	NY (tie)	259	37.8	1.95
5	CA (tie)	595	72.7	1.95
6	OR	47	6.9	1.83
7	NC	133	17.1	1.8
8	CO	124	8.8	1.77
9	HI	17	2.3	1.71
10	MN	51	8.2	1.55

courtesy USGBC, Green Building Report

For more information on the AEP, contact:

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