



# Leading By Example Awards

Presented by the Commonwealth of Massachusetts:  
Executive Office of Energy and Environmental Affairs, Ian Bowles, Secretary  
Executive Office of Administration and Finance, Leslie Kirwan, Secretary  
Operational Services Division, Ellen Bickelman, State Purchasing Agent  
Department of Environmental Protection, Laurie Burt, Commissioner

*The Leading by Example Awards recognize outstanding efforts in implementing sustainable practices among the Commonwealth's state agencies, public institutions of higher education, and municipalities.*



## Massachusetts Water Resources Authority (MWRA)

The methane generated from the sludge digestion process (digester gas) is collected and used in MWRA's Deer Island Treatment Plant on-site power plant to create steam supply hot water and heat for the facility. The steam is also run through a steam turbine generator that produces electricity. Using digester gas in the boilers satisfies plant heat demand for all but the few coldest months of the year and results in avoided fuel oil purchases of over \$8 million annually. The digester gas derived electricity output reduces approximately \$2.4 million annually in electricity purchases.

*Photo Caption: Deer Island's iconic Wastewater Treatment "eggs" generate enough renewable energy to sell back to the grid, helping the state reach it's renewable portfolio standard.*

## Department of Correction (DOC)

The Department of Correction has implemented numerous projects and process improvements designed to reduce dependency on oil and minimize greenhouse gas emissions. Comprehensive energy efficiency efforts, on site power generation, renewable energy projects, and expanded recycling programs have resulted in a much more efficient operation, lower operating costs and energy consumption, significantly less waste generation, and overall benefits to the environment.

*Photo Caption: DOC's commitment to the environment and to renewable energy has driven the agency to install Solar Photovoltaic Panels and Combined Heat and Power technology in its facilities.*



## Cape Cod Community College

Cape Cod Community College President Kathleen Schatzberg proudly shows off the clippers as Congressman William Delahunt (L) and Mark Thompson (R), representing the Lorusso Family, lift the ends of an orange power cord that was sliced in half to celebrate the opening of the College's Lyndon P. Lorusso Applied Technology Building last year. The building is the first LEED Certified (GOLD) state funded building in Massachusetts, and became the basis for a complete change in state policy that today sets LEED certification standards as the foundation for all state building projects.

*Photo Caption: The "Cord-Cutting" of Cape Cod Community College's LEED certified Lorusso Applied Technology Building.*

## Bridgewater State College

Bridgewater State College built state government's 3rd LEED certified Green Building this year, Crimson Hall, while also undergoing a comprehensive energy conservation project that will reduce the College's energy and water costs by 30 percent (nearly \$1,000,000 annually), and reduce its greenhouse gas footprint by 32%. New recycling measures at Bridgewater State have increased its recycling rate over 40%, and the College's Center for Sustainability regularly brings together faculty from 9 departments to collaborate on campus planning, recycling, community outreach and social justice.

*Photo Caption: Crimson Hall is Massachusetts State Government's third LEED certified Green Building, opening as an upper-class dorm this Fall.*



## City of Boston

In April 2007, Mayor Thomas M. Menino issued an Executive Order Relative to Climate Action, which outlined policies designed to move Boston aggressively toward its long-term greenhouse gas (GHG) reduction goal of 80% below 1990 levels by 2050. This comprehensive strategy includes green building initiatives that, for example, require all new municipal construction to be certified LEED Silver by the U.S. Green Building Council and integrate LEED standards into the city's zoning regulations for large private developments.

*Photo Caption: Mayor Menino discusses a photovoltaic installation with students at Boston Arts Academy in Boston, MA.*

## Town of Andover

The Town of Andover boasts one of the highest non-"Pay As You Throw" recycling rates in the state (45%), as well as offering Town-funded hazardous waste and CRT collection programs, and encouraging "zero-waste days" which direct usable items to local charities with volunteer help. This past year, Andover has also implemented an energy tracking system to better identify areas of wasted energy use across all town facilities and schools, as well as implementing various energy savings initiatives which saved the town \$432,000 in FY06 compared to a projected deficit.

*Photo Caption: One Andover resident's commitment to recycling.*

