

Architectural Heritage Foundation

BACKGROUND

The Architectural Heritage Foundation (AHF) is a Boston-based organization that has been actively working to preserve historical buildings in New England for over forty years. AHF has core values centered on preservation and has worked on a range of development projects in Massachusetts. With funding from the American Reinvestment and Recovery Act, the AHF continued its work in architectural sustainability with three deep energy retrofits of historical buildings in Waltham, Ashfield/Conway, and Ipswich. Deep energy retrofits are renovations of buildings that achieve at least 50 percent energy reduction; these three historic projects aim to save even more.



FUNDING

The Department of Energy Resources (DOER) allocated \$650,000 in Federal stimulus funds through a High Performance Building Grant (HPG) to these projects. These allocated funds allowed the AHF and developers to leverage donations from several other donors and sources. Projects were managed by AHF in partnership with Historic New England and the Trustees of Reservations.

HPB Spotlight

The DOER provided over \$15 million in Federal stimulus funds through 10 High Performance Building Grants to projects that will deliver dramatic savings, create hundreds of jobs, and demonstrate replicable solutions to common energy challenges.

PROJECT DETAILS

Originally built in 1793, the **Lyman Estate in Waltham** installed an energy efficient boiler, storm windows, weather stripping, and insulation in the attic. The energy retrofits at the 18th century **Bullitt Reservation in Ashfield and Conway** were focused on making the building a 'passive' structure that would use almost no fossil fuel energy. **Appleton Farms in Ipswich** is the oldest continuously run farm in the country and the renovations included new exterior insulation, solar thermal hot water systems, and efficient air source heat pumps. Each of these projects will provide valuable information for future efficiency renovations of historic buildings and older houses throughout Massachusetts.



Left Photo: Workers at Appleton Farms.

Right Photo: New energy efficient lights being installed at the Bullitt Reservation.

AT A GLANCE:

- Each of the three historic buildings will decrease their energy usage by at least 50%
- These retrofits will provide valuable information for future renovations of older properties across the country
- 100% of demolition and construction waste was recycled or reused at Appleton Farms

The American Reinvestment and Recovery Act of 2009 invested nearly \$70 million into energy efficiency and clean energy programs managed by the Department of Energy Resources in Massachusetts. These funds are being put to work to create jobs, spur innovation, and ensure the development of clean, sustainable energy sources right here in the Commonwealth.



