



CASE STUDY

BOSTON HOUSING AUTHORITY, MA

TECHNOLOGY TYPE

ENERGY PERFORMANCE CONTRACT
GUARANTEED ENERGY SAVINGS

FACILITY SIZE

3.8
MILLION SQ FT
(4,300 UNITS)

ESPC ENERGY PROJECT SIZE

\$66.7
MILLION

REDUCTION OF GAS AND WATER USAGE

30+
PERCENT

ESPC ANNUAL ENERGY SAVINGS:

\$4,800,000

AMERESCO 

SUMMARY

The Boston Housing Authority (BHA) is the largest landlord in Boston and the largest public housing authority in New England, housing approximately 10 percent of the city's residents through its programs. Ameresco was selected from a field of competitors to develop and implement a comprehensive energy and water performance contract for the BHA. The project was one of the first in the nation to be approved by HUD for a 20 year EPC term.



SERVICES PROVIDED

Ameresco oversaw design, managed construction, provided a savings guarantee for the project term, and is currently providing monitoring and verification of savings services. The BHA project was constructed on time and on budget during the three year construction period, and it was the first PHA EPC to be built under a Project Labor Agreement (PLA) with the local trade unions.

“ Projects like this prove that low-income housing can also be energy-efficient housing. We’re excited to be moving forward with green technology and upgrading our residents’ homes at the same time. ”

Bill McGonagle
Administrator, Boston Housing Authority

CUSTOMER BENEFITS

Partnering with Ameresco, BHA was able to implement 17 energy efficiency measures that have resulted in significant energy and water savings for the BHA. As part of the PLA, Ameresco implemented a comprehensive resident work opportunity program to encourage tenants to seek training and apprenticeship skill opportunities with the local construction trades.

- \$4.8 annual Energy Savings; \$119 million predicted over 20 year term
- Upgrades to 4,300 units in 13 developments
- Electrical, Mechanical, Water and Operational Upgrades
- Enhanced living and working conditions, with a 37% reduction in water consumption, 36% decrease in natural gas, and 4% reduction in electrical usage annually.
- Saves the equivalent of 26 million pounds of CO2 per year
- Ongoing performance site inspections over the term of the 20-year contract
- Web-based Energy Management System

For the full story, visit: ameresco.com