



Millbury Public Housing Authority Solar Thermal Project Millbury, Massachusetts

Web: www.ADIenergy.com
E-mail: info@ADIenergy.com



SUMMARY

Contracted by the Commonwealth's Department of Housing and Community Development (DHCD), ADI is responsible for the design, bid and oversight of the installation of a solar thermal DHW system at the Millbury Housing Authority, Centerview Apartments in Millbury, MA.

Overall value: \$150,000

SERVICES

- Design/build
- Construction management
- Permitting
- Consumption usage analysis
- Commissioning
- Staff orientation and training
- Turnkey energy services
- Utility reductions
- National grid energy incentive
- Engineered solutions
- Energy reduction
- Energy conservation

MEASURES

- Solar Thermal Domestic Hot Water

UNIQUE VALUE TO CUSTOMER

The solar thermal system was designed to displace expensive electrical power which would have otherwise been used to produce domestic hot water (DHW). The system consisted of roof-mounted, flat plate solar collectors, three DHW storage tanks, pumps, controls, and metering. As a contractor under the DHCD House Doctor program, ADI was responsible for a variety of services such as: overall design, cost estimating, development of related bid documentation, and the incentive application. ADI also performed oversight of the implementation of this project.

ADI has secured over 30% of the capital cost in rebates from Massachusetts's Clean Energy Center's Commonwealth Solar Hot Water program for a project at the Millbury Housing Authority.

The Solar Hot Water program offers rebates for solar hot water in residential, commercial, non-profit, and publicly owned buildings. The rebate from this program has provided substantial financial support to move this project forward. This new system will deliver captured solar energy to the existing DHW system and offset significant dollars per year in avoided energy costs.

Although this system will not fully replace conventional electric water heaters, it will provide up to 80% of the building's total hot water needs.