



CASE STUDY

TOWN OF ASHLAND, MA

TECHNOLOGY TYPE

RENEWABLE ENERGY
SOLAR PHOTOVOLTAIC

SOLAR PANELS INSTALLED

5,500

ENERGY PROJECT SIZE

1,800
kW DC

ANNUAL CO₂ EMISSIONS REDUCTION

1,632
METRIC TONS

ANNUAL ENERGY SAVINGS:

2.2 Million kWh

SUMMARY

Ameresco and the Town of Ashland partnered to evaluate and develop economic and environmentally beneficial renewable energy projects at multiple locations. As such, solar photovoltaic energy projects were installed at the Middle School Roof, the High School Parking Lot, and a capped municipal landfill. To receive the full benefits of the system, Ashland entered into a 20-year power purchase agreement (PPA) with Ameresco to design, build, finance, own, and operate the systems for the full term of the contract.



SERVICES PROVIDED

Ameresco designed, permitted, financed, built, and commissioned three separate solar systems totaling 1,800 kW DC in energy connected directly into the local electric distribution system. Ameresco secured an additional subsidy for the project via the State of Massachusetts's Solar Renewable Energy Credit (SREC) program. Ameresco will operate and maintain the system for the term of the contract to ensure optimal energy production.

- Installed 5,500 solar panels and associated inverters
- Supported town efforts to improve landfill gas collection systems

“ We were happy to have a comprehensive service partner in Ameresco to help us identify and implement a diverse set of meaningful clean energy projects in our community. These projects not only combat the continuing global impacts of climate change, but do so by virtually eliminating the Town's electric bill. ”

Michael D. Herbert
Town Manager, Town of Ashland

CUSTOMER BENEFITS

Through net metering, 100% of the energy generated is used to power town buildings and operations, offsetting total town consumption. Additionally, this project brought the town landfill back into compliance with the Massachusetts Department of Environmental Protection. The Town of Ashland is now being supplied by green renewable energy.

- Annual energy savings of 2.2 million kWh
- Annual CO₂ emissions reduction of 1,632 metric tons
- Enhanced landscaping to blend array into the natural environment and minimize the visual impact of the landfill system

For the full story, visit: ameresco.com