



Project Highlight

Boston Logan International Airport, MA



Airport Implements Solar Power System to Generate Renewable Power Cutting Energy Budget

Technology Type:

Renewable Energy | Solar Power | Operations & Maintenance

Total System Size

370 kW

Annual Energy Output

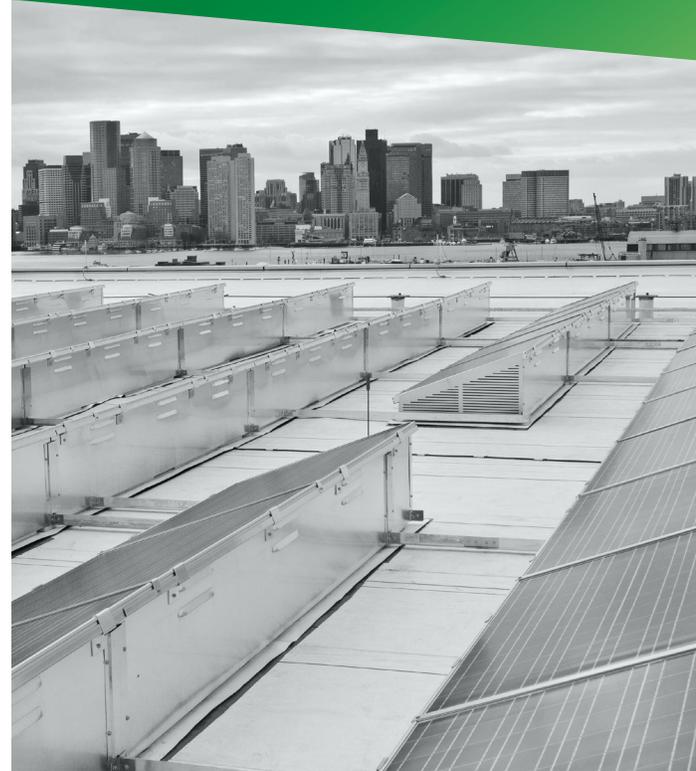
430,000 kWh

Project Financing

20 year Power Purchase Agreement

Annual CO₂ Reduction

297 metric tons



Summary

Under a 20-year Power Purchase Agreement with Ameresco, solar power systems located at Massport Logan will generate 430,000 kWh of annual electric energy. The airport will receive solar-generated electricity at a discount to their current electricity bills, thereby cutting their energy budget. In part, the discounted price was made possible by the Massachusetts Solar Stimulus Program (MaSS), which used ARRA stimulus funds to reduce the capital cost of the projects.



Solution

The design was engineered to meet original proposed design size, despite discovery of site features that were unknown at time of bid.

- Ameresco-designed custom mounting was used on the pitched roof. The design passed rigorous review by Massport engineers to ensure installation met the safety requirements of the leading international airport.
- All other major components were made in the U.S.A. Installation was completed by a certified woman-owned electrical firm.
- Installations were done on the air-side of the airport, which required the team to comply with unique security and installation regulations.

“ I applaud Ameresco, a leading energy services company, for its role in bringing clean, renewable solar power to state agencies. Federal stimulus funds are helping our agencies to lead by example, installing a total of 4 megawatts of solar capacity on more than 20 facilities and contributing to the growth of the clean energy economy in Massachusetts.”

Ian Bowles
Former Energy and
Environmental Affairs Secretary



Benefits

Upon project award in 2010 from the Massachusetts Department of Energy Resources, Ameresco installed solar PV on Terminal A of Boston Logan International Airport, the first airport terminal in the world to be LEED-Certified.

- Massachusetts Port Authority (Massport) will receive solar-generated electricity under a 20-year power purchase agreement with Ameresco.
- Through Massport’s partnership with Ameresco, Massport is expected to save the equivalent of 297 metric tons of CO₂ per year. The green benefit from this carbon reduction is roughly equal to 243 acres of U.S. forest absorbing carbon for one year.

Ameresco’s team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

