



## Project Highlight

# Town of Sudbury, MA



## Solar Farm Delivers Renewable Energy to Reduce Costs and Greenhouse Gas Emissions

### Technology Type:

Power Purchase Agreement | Engineering  
Procurement | Construction Management |  
Construction Financing | Secured Long-Term  
Financing (w/3rd party) | Operations & Maintenance

### Project Size

1.5 MW

### Solar Modules

6,000

### Annual Energy Generation

1.9 million kWh

### Contract Term

20 Year Power Purchase Agreement



### Summary

Located in Middlesex County, Sudbury, MA is 24.7 square miles with a population of over 18,000. As part of Ameresco's award by the Metropolitan Area Planning Council (MAPC) for Comprehensive Energy Management Services, the Town of Sudbury and Ameresco partnered on the development of a solar photovoltaic system. Working closely with energy committee volunteers, Town Selectmen, and Town officials, Ameresco delivered a sustainable solar energy project on top of the municipality's closed capped landfill.



## Solution

Due to its quick approval with the Massachusetts Department of Environmental Protection and Eversource (formerly, NSTAR), this solar project was able to start construction within 6 months of the Power Purchase Agreement being executed. The project scope also included:

- Collaborating with town volunteers and officials
- Design and construction of the 6,000 250-watt modules
- Operating and maintaining the 1.5 MW solar farm

**This project allows Sudbury to turn the non-productive, closed landfill into an asset that will help Sudbury manage energy costs, reduce greenhouse gases and contribute to renewable energy generation in Massachusetts.**

John Drobinski  
*Board of Selectmen Chairman  
Sudbury, MA*

**This project is a great example of commitment and collaboration by state and local government personnel, public and private interests, and volunteer efforts.**

Bill Braun  
*Energy Committee Chairman  
Sudbury, MA*



## Benefits

The solar farm will generate 1.9M kWh annually for the Town of Sudbury and saves the equivalent of 1,310 metric tons of CO<sub>2</sub> per year. In addition, minimal site work was required which allowed for natural vegetation to remain. The green benefit from this carbon reduction is roughly equal to:

- 1,704 acres of U.S. forest absorbing carbon for one year
- 276 cars taken off the road for one year
- 180 households powered 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**.

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