



Project Highlight

Northeastern University, MA

AMERESCO 

Rooftop Solar Powers University's Iconic Library as a Symbol of Sustainability

Technology Type:

Roof Mounted Solar PV

Solar System Size

332 panels

Power Capacity

158 kW DC system

Annual Carbon Reduction

~146 metric tons

Facility Size

77,000 square feet



Summary

Known as a global leader in experiential learning, Northeastern University partnered with Ameresco to improve its sustainability efforts through the completion of a rooftop solar installation at the landmark Snell Library. The rooftop solar system will offset approximately 146 metric tons of carbon emissions per year and showcases the transformative power of solar integration in urban environments. The project marks a significant milestone in the university's journey to decarbonize its Boston campus.



Solution

Working in collaboration with Northeastern's Climate Justice and Sustainability Hub, Ameresco conducted a detailed facility and energy analysis, then designed and developed the on-grid rooftop solar installation. Through planning and execution, Ameresco ensured the seamless integration of solar PV technology to power the iconic Snell Library, a building that welcomes more than two million visitors per year. The project included:

- Design, installation, and commissioning of rooftop solar PV
- 158 kW DC system
- 332 solar panels



Northeastern has made significant progress reducing the carbon intensity of our buildings. This project comes at an important time as we are developing plans to fully decarbonize our buildings and eliminate harmful emissions.

Leah Bamberger

Executive Director of Northeastern's Climate Justice & Sustainability Hub



Benefits

Through its collaboration with Ameresco, Northeastern University has achieved significant benefits, including infrastructure enhancement, carbon reduction, and a tangible representation of the university's dedication to environmental stewardship. The project's key benefits include:

- Expected annual offset of 146 metric tons of CO₂ emissions
- Alignment with the University's sustainability objectives
- Fostering a culture of environmental responsibility among students and staff on campus



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**.

