



CASE STUDY

ROXBURY COMMUNITY COLLEGE, MA

TECHNOLOGY TYPE

COMPREHENSIVE ENERGY AND WATER UPGRADE
ENERGY MANAGEMENT SYSTEM
GEOTHERMAL HEAT PUMP
LED LIGHTING
SOLAR

TOTAL SOLAR PANELS INSTALLED
PHOTOVOLTAIC SOLAR CANOPY

3,000

ENERGY PROJECT SIZE

\$20
MILLION

GEOTHERMAL SYSTEM CAPACITY

400
TONS

ANNUAL ENERGY SAVINGS:

\$860,000

SUMMARY

Roxbury Community College (RCC) partnered with Ameresco to address campus-wide energy upgrades, deliver energy savings, and reduce the college's carbon footprint.

SERVICES PROVIDED

RCC and Ameresco partnered on a \$20 million comprehensive energy and water project encompassing 23 energy conservation measures. Ameresco worked closely with RCC and their funders to generate a budget neutral plan.

- Installed 115 geothermic wells functioning as heating/cooling source
- Installed 400-ton capacity geothermal heat pump system
- Installed 3,000 panel solar canopy with 1 million kWh capacity



I am so pleased that this renewable energy project... is already complete, with minimal disruption to the community. This renewable solution provides tremendous strides in supporting and helping to achieve our sustainability goals.



Dr. Valerie Roberson
President, Roxbury Community College

CUSTOMER BENEFITS

Ameresco's work with RCC provided the college with clean renewable resources and energy cost savings. The generated savings allow RCC to direct more funds to other campus improvements.

- Annual emissions reduced by 5,689,934 lbs CO₂
- Interior and exterior LED lighting enhancements
- Annually save \$860,000
- Reduced college's carbon footprint

For the full story, visit: ameresco.com