



Project Highlight

Reed College, OR



Reed College's Carbon Offset is Equivalent to Annually Removing 273 Cars from the Road

Technology Type:

Central Plant Upgrades | Energy Efficiency |
Energy Savings Performance Contract |
Interior Lighting and Controls | Water Efficiency

Facility Size

960,000+ square feet
(45 buildings)

Project Size

\$5,400,000

Annual CO₂ Reduction

1,277 metric tons

Annual Energy Savings

\$250,000+



Summary

Following their centennial celebration, Reed College was driven to minimize their environmental impact and energy use. They set out to improve the livability of the building environments on their urban campus. Efficiency upgrades were made to the boiler plant and physical plant, as well as many educational and residential buildings across the campus.



Solution

Ameresco worked diligently with the college to identify and implement upgrades that would specifically meet their institutional priorities. This \$5.4 million, campus-wide efficiency project provided an opportunity to reduce the college's energy use and maximize equipment life.

- Replaced the aging system with new steam boilers at the boiler plant
- Installed campus-wide steam meters and integrated with new campus energy dashboard
- Installed complete controls and energy management systems at three buildings
- Completed campus-wide lighting upgrades (interior, exterior, and parking lots)
- Replaced campus-wide water fixtures, including toilets and shower heads

“The various facility enhancements represent real cost savings, provide improved environmental conditions, and represent our most significant achievement in sustainable campus energy management.”

Townsend Angell
*Director of Facilities Operations,
Reed College*



Benefits

The comprehensive energy solutions provided by Ameresco included various mechanical, control, lighting, and plumbing system retrofits and replacements, throughout the urban campus in southeast Portland, OR. These upgrades greatly improved comfort and visibility on campus while providing substantial energy savings.

- Reduced emissions by 1,277 metric tons of CO₂ equivalent, equal to 273 passenger vehicles driven for one year
- Received over \$344,000 in utility incentives from the Energy Trust of Oregon
- Saving over \$250,000 in annual energy costs

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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