



CASE STUDY

## REED COLLEGE, OR

TECHNOLOGY TYPE

**CENTRAL PLANT UPGRADES  
ENERGY EFFICIENCY  
ENERGY SAVINGS PERFORMANCE CONTRACT  
INTERIOR LIGHTING AND CONTROLS  
WATER EFFICIENCY**

FACILITY SIZE

**960,000+**  
SQ FT  
(45 BUILDINGS)

PROJECT SIZE

**\$5.4**  
MILLION

ANNUAL CO<sub>2</sub> 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.



## SERVICES PROVIDED

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*

## CUSTOMER 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 CO<sub>2</sub> 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

For the full story, visit: [ameresco.com](http://ameresco.com)