



## Project Highlight

# Arizona State University, AZ

AMERESCO 

## ASU Sets Goal to Become Climate Neutral by 2025

### Technology Type:

Combined Heat and Power | Dashboard Software System | Energy Efficiency | Infrastructure Modernization | Photovoltaic Systems | Solar Thermal System | Thermal Energy Storage

### Facility Size

**21.7M** square feet (4 campuses, 1 research park, 438 buildings)

### Annual kWh Savings

**98.5M** kWh

### Annual CO<sub>2</sub> Savings

**77,247** metric tons

### Annual Energy Savings

**\$8,000,000**



### Summary

Arizona State University (ASU) partnered with Ameresco<sup>1</sup> on multi-year, multi-phased, all-encompassing projects to improve the University's energy consumption and infrastructure without additional capital outlay. As part of a broader commitment of attaining institutional sustainability, ASU selected Ameresco as its strategic business partner to become climate neutral by 2025.



## Solution

Since the beginning of our partnership, Ameresco's responsibilities have included detailed facility and energy analysis, and the design and construction management of facility and infrastructure upgrades. Implemented projects include, but are not limited to:

- 8 MW Combined Heat and Power Facility
- Energy Conservation Measures
- Solar Photovoltaic Systems



“By working together on projects related to energy retrofits in buildings, biogas and bioenergy, microgrid management, innovative transportation systems and perhaps even geothermal energy, Ameresco and RMI will help us bring our ambitions to fruition. It's an exciting time to be a Sun Devil.”

Nick Brown,  
*Director of University Sustainability Practices, ASU  
Senior Sustainability Scientist, Global Institute of Sustainability*



## Benefits

Through this partnership, ASU has achieved an annual cost savings of over \$8 million, saving 98.5 gigawatt hours of electricity, 1.4 million therms of natural gas, significantly reducing its annual energy usage, and reducing its carbon footprint by over 77,247 metric tons of CO<sub>2</sub> annually—equivalent to 23 percent of the University's total carbon footprint.

<sup>1</sup> The project originally was awarded to APS Energy Services, Inc., which Ameresco acquired in August 2011 and now operates as part of its southwest region. References to Ameresco in this case study includes APS Energy Services, Inc., as acquired and now operated by Ameresco.

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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