

# ASHRAE Sustainable Footprint Project

## YWCA of Salt Lake City's Teen Home

ASHRAE Utah Chapter



### ASHRAE Sustainable Footprint Project

ASHRAE's Sustainable Footprint Project was launched in 2008 by the Utah Chapter. The goals of the program are to leave a legacy representing ASHRAE's commitment to sustainability and to offset the environmental impact from holding the Annual Conference. It is now customary for the Annual Conference host city to select a project with some funding provided by ASHRAE as seed money.

### Additional Information

[www.ashrae.org/community](http://www.ashrae.org/community)  
[www.utahashraesolar.tzo.com](http://www.utahashraesolar.tzo.com)

### Project Description

The warmth of the Salt Lake City sun and the generosity of ASHRAE members manifested themselves into energy savings for a local teen home. Thanks to funds and equipment donated by ASHRAE members and others, a solar water heating system was installed at the YWCA of Salt Lake City's Teen Home. More than \$15,000 in money and equipment was raised to install the system. ASHRAE provided four flat solar panels and additional storage capacity for domestic hot water use. Two small circulating pumps are powered by a small photovoltaic panel. The solar panels will replace approximately 100 decatherms of natural gas per year and reduce the carbon footprint for the home by over 10,000 lbs. of CO<sub>2</sub> annually, saving the YWCA more than \$650 a year.

"This project will help reduce their carbon footprint and their annual energy costs by using renewable energy from the sun," Presidential Member Kent Peterson said. "The project will leave our sustainability mark with the local community. This is just one example of what our members can accomplish with a passion to make the world a better place."

ASHRAE's Community Sustainability Project program is designed to share the engineering knowledge of our members to improve the world around them. The program was launched as part of the presidential theme, "Broadening ASHRAE's Horizons," of 2012–13 President Thomas E. Watson, P.E., Fellow ASHRAE, Life Member.