

ASHRAE Sustainable Footprint Project

Accueil Bonneau Homeless Shelter

ASHRAE Montreal 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
www.ashrae-mtl.org

Project Description

Students from Polytechnique de Montréal and members of the Montreal Chapter joined with contractors, suppliers, manufacturers and a consulting engineering firm to improve the quality of life for local homeless.

A new solar power system and wastewater heat recovery device will provide about one-third of Accueil Bonneau's hot water needs. The shelter will save \$3,600 on its gas bill, as well as produce 12.2 fewer tonnes of CO². Over the lifespan of the equipment, Accueil Bonneau will save \$65,000, or more than three times the ASHRAE donation.

"This motivating project allowed the students in question to experience a very real aspect of an engineer's work," Michaël Kummert, assistant professor in the Department of Mechanical Engineering, Polytechnique de Montréal, said. "The stages of a normal project design and implementation process were undertaken with great success, and above all, with great professionalism."

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