



U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



TOUR THE UNIVERSITY OF UTAH'S NEW CHP SYSTEM

OPTIONAL ADD-ON TO THE WESTERN INDUSTRIAL ENERGY EFFICIENCY AND CHP REGIONAL DIALOGUE MEETING, OCTOBER 29, 2013 IN SALT LAKE CITY, UTAH

The University of Utah, the flagship school in the state's higher education network, is known for its strong engineering and medical programs as well as its easy access to both outdoor and city activities. To continue its reputation as a leader in technology as well as economic and environmental sustainability, the university installed a combined heat and power (CHP) system in 2008 that cleanly and efficiently supplies more than 10 percent of the lower campus' electricity needs and all of its heating needs throughout the year.

CHP benefits the campus and its students through lower energy costs, higher reliability, reduced emissions, improved sustainability, and continued leadership in the use of advanced technology.

Join us for a behind-the-scenes tour of this system, following the Western Industrial Energy Efficiency and CHP Regional Dialogue Meeting on Tuesday, October 29, 2013, in Salt Lake City.



HOW TO REGISTER

To register for the Western Industrial Energy Efficiency and CHP Regional Dialogue Meeting, visit www.yesevents.com/we_iee_chp. The registration form includes a check box for the optional afternoon tour. Meeting and tour attendance is free. For more information about this event, contact SEE_Action@sra.com.

QUICK FACTS ON THE UNIVERSITY OF UTAH'S CHP SYSTEM

CAMPUS SIZE: 28,000 students, 1,535 acres
CHP EQUIPMENT: Solar Taurus SoLoNox gas turbine, Rentech waste heat recovery unit
CHP CAPACITY: 7.5 MW, de-rated to 6.5 MW
FUEL: Natural gas
TOTAL EFFICIENCY: 90%
CHP PROVIDES: 10% of lower campus electric load, 100% of lower campus heating load
USE OF THERMAL ENERGY: High-temperature water for building heat & domestic hot water
CHP IN OPERATION SINCE: September 2008
COST OF CHP & HEATING SYSTEM RETROFIT: \$18m
PAYBACK PERIOD: 12 years
ENVIRONMENTAL BENEFITS: 63,000 tons of CO₂ reduced annually; NO_x at only 9 ppm