

FIELD TEST HIGHLIGHTS

BOILER ADVANCED HEAT RECOVERY SYSTEM

DESCRIPTION

Baxter BioScience's Thousand Oaks, CA facility installed an ultra-high-efficiency heat and water recovery system on a 250 hp boiler to provide a 13-15 percent energy and carbon savings along with important water conservation benefits.

This advanced technology was developed by Gas Technology Institute (GTI) with field test support from the U.S. Department of Energy and Southern California Gas Company. The ultra-high-efficiency boiler captures waste heat from the boiler's exhaust and is expected to reduce Baxter's energy use by over 4800 million BTUs per year, shaving over \$35,000 in natural gas costs, and reducing annual CO₂ emissions by over 240 metric tons.

This advanced technology also holds promise to save over 250,000 gallons of water by capturing pure water from the natural gas combustion byproduct – yielding added benefits of reducing the need for city water and water purification chemicals and discharge.

COMMERCIALIZATION STAGE

Baxter's leadership role as a new energy technology champion is helping position this technology for full commercial release by Cannon Boiler Works in 2010.

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