

Riverside Hotel Boise, Idaho

363 kW

Natural Gas

Fast Facts:

Location: Boise, ID

Generating Capacity: 363 kW

Heat Recovery: Space, hot water, laundry and pool heating

Environmental Benefits: Offsets 2,194 metric tons of CO₂ annually



About the Site:

The 304,000 square foot full amenity Riverside Hotel features 300 spacious guest rooms, 15 large meeting rooms, two restaurants, two bars, a fitness center, as well as an outdoor heated pool, hot tub, and splash pad. The hotel sits on 14 acres of gardens as it winds along the scenic Boise River Greenbelt, a 25-mile paved trail that follows the Boise River.



Application

The CHP project resulted in substantial avoided equipment replacement costs including two-domestic hot water boilers plus separate laundry, and pool and spa boilers. Thermal needs of the facility are met by the 180°F water provided through engine water jacket heat recovery plus a backup boiler with a modulating burner.

The CHP project operates at full output to meet summer peak electrical loads and follows electrical loads during the winter. No electrical energy is sold to the local utility due to low avoided costs and the need for additional expensive interconnection equipment.



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