

Central Plant

Reliant Park
Houston, Texas

AHP personnel worked with Honeywell Building Solutions to develop an economic central plant concept for Harris County under a design-build competitive process. We were then selected for engineering design for this large thermal energy plant in part due to our past quality service to this third-party owner-operator.

The plant, located on the north side of Reliant Park parking lot (bottom center of picture), provides chilled water and heating hot water for the Astrodome, the 1.2 million-square-foot Reliant Center, and Reliant Stadium, home of the Houston Texas NFL football team, the Houston Fat Stock Show and Rodeo, and other major events.



Chilled water capacity is 19,000 tons with expansion capability to 32,000 tons. Heating hot water capacity is 170 million Btuh with expansion capability to 220 million Btuh. Underground chilled and hot water distribution piping link the plant to the facilities served.

Schedule and cost were of utmost importance; this large plant was designed in five months, on time and within budget.

Completion Date

September 2003

Construction Cost

\$24,000,000

Project Delivery Method

Design-Build