



ENERGY SOLUTIONS DISTRICT COOLING

HOUSTON – UNION STATION PLANT 2007

Quick Facts

Union Station Plant 1401 Rusk Avenue (between Austin / LaBranch and Rusk / Capital)

Began construction April 1998 began providing service to Minute Maid Park April 1999

Plant Size 60,000 square feet

Plant capacity at full build out 35,000 tons

Distribution system capacity 80,000 tons

Distribution piping 4.5 miles of chilled water piping

Current installed capacity 19,165 tons

Planned Expansion Beginning first quarter 2008

Chillers

York Electric Centrifugal 3 @ 2,000 tons of chilled water each

**York Rotary Screw Compressors 3 @ 2,555 tons of chilled water
or
2,005 tons of ice building capacity**

Thermal Storage Tank Ice on coil (external melt)

Current installed capacity 44,000 ton hours

Full build out capacity 88,000 ton hours

Power Supply Two separate feeds from Polk Street Substation on automatic rollover from two separate transmission lines

**System Reliability 100% since operation began in August 1999
No unplanned outages**

**System Availability 99.99% since operation began
One system wide maintenance outage of 6 hours**