

CENTRAL THERMAL ENERGY SYSTEM PLANTS

Client:
Comfort Link

Location:
Baltimore, MD

Chiller Capacities:

- Plant 2:
13,000 ton/hr
cooling capacity
- Plant 3:
16,000 ton/hr
cooling capacity

**Approximate
Installed Project
Value: \$26,000,000**



PCI was selected by Comfort Link to be the Owners Engineer for the design, construction and commissioning of two chilled water plants with ice storage and an extensive underground district chilled water supply systems.

The scope of work included:

- Negotiated land leases for chilled water piping system
- Prepared and negotiated EPC contracts for Plants 2 & 3
- Reviewed and approved engineering and construction drawings and related documents for plants 2 & 3
- Inspected and approved all construction activities (civil, structural, electrical & mechanical) for plants 2 & 3
- Inspected and witnessed performance testing on Mechanical Chillers for Plants 2 & 3
- Designed and managed installation of 5 miles of underground chilled water distribution piping and customer service connections
- Reviewed and approved engineering and construction activities for all customer connections
- Reviewed and approved engineering and construction activities for major modifications to Plant 1
- Performed hydraulic analysis of new chilled water piping system utilizing HeatMap analysis
- Developed O&M manuals for customer connections and metering stations

