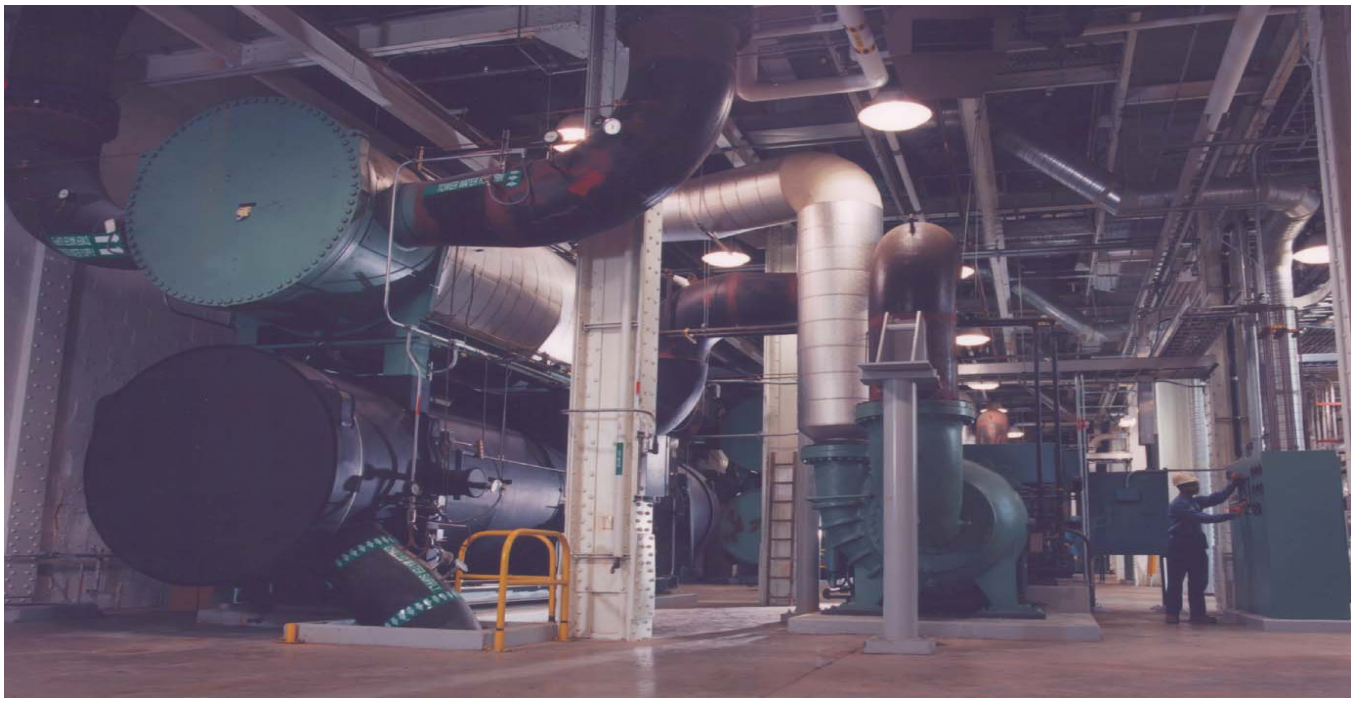
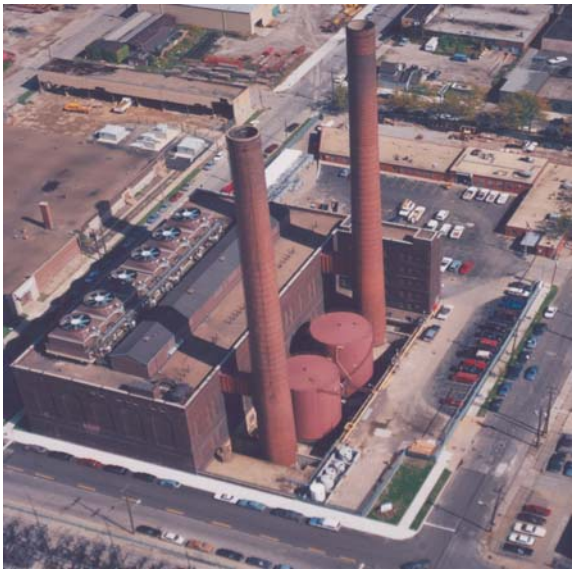


Cleveland Energy Resources
Cleveland, Ohio

Fink Roberts & Petrie, Inc. provided the structural engineering services for this project in downtown Cleveland, Ohio. The plant provides air conditioning for industrial and commercial customers. The central chilled water plant is built within the old coal handling section of the district heating plant. Cooling towers are located on the roof on a raised platform basin.

The present central plant consists of two 5000-ton electric motor driven primary chilled water pumps, two variable volume electric secondary chilled water pumps, two three-cell cooling towers, and two constant speed electric drive condenser water pumps. Provisions have been made for some of the future equipment to be steam driven.



Chemical water treatment systems were installed for both the chilled water and condenser water circuits. The system is designed such that ultimate capacity can be increased to 25,000 tons. The chilled water distribution system consists of approximately 9,000 feet of 48, 42, 36 30 and 24 inch direct-buried ductile iron pipe. The distribution system is routed throughout the downtown streets of Cleveland.