



tecothermalenergy.com

Mission: Provide reliable and economical thermal services to the institutions of the Texas Medical Center.

Vision: Be **the energy behind what's next** at the Texas Medical Center

The need: Institutions on the Texas Medical Center campus—the largest medical complex in the world—offer high-quality patient care, provide unparalleled educational opportunities and conduct groundbreaking life-science research. They need the most reliable and efficient chilled-water and steam service possible—and TECO is committed to providing it.

What TECO does: TECO pipes chilled water and steam from its energy plants to customer buildings. Customers use TECO's chilled water for space cooling, cold rooms and refrigeration and TECO's steam to meet space heating, dehumidification, humidification, sterilization, kitchen, sanitary and research requirements. As a result, customers do not need their own chillers and boilers.

History: The district energy system serving the Texas Medical Center campus started operation in 1969—50 years ago—under the ownership of Houston Natural Gas Co. Not-for-profit TECO acquired the system from the gas company in 1978. (tecothermalenergy.com/about/history)

Location: 1615 Braeswood Boulevard on the campus of the Texas Medical Center in Houston, Texas. Paul G. Bell Jr. Energy Plant (Central Plant) houses majority of TECO's chillers and boilers and serves as its administrative base. TECO also owns and operates the South Main Plant, a satellite facility.

Customers: 50 buildings totaling 22.7 million sq ft owned by 16 institutions on Texas Medical Center campus, including top cancer center in the U.S.—The University of Texas MD Anderson Cancer Center. (tecothermalenergy.com/customers)

“Thermal Energy Corporation is a treasure, cooling and heating our campus buildings to help us sustain life. It is a cornerstone of how the Texas Medical Center operates. It is truly that important.”

William F. McKeon, President and Chief Executive Officer, Texas Medical Center

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High-resolution images provided upon request.

THE FACTS

KEY TECHNOLOGIES

tecothermalenergy.com/operations/technologies

48 MW combined heat and power

8.8 million-gallon chilled water thermal energy storage tank

SYSTEM CAPACITY

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120,170 tons chilled water (including thermal storage)

980,000 lb/hr steam

64 MW electricity for internal use

SERVICE BENEFITS

tecothermalenergy.com/benefits

Energy efficient

Environmentally responsible

Economically sound

Reliable and resilient

OUTSTANDING FEATURES

Selected 2019's #1 district energy system in the world by International District Energy Association

Largest district cooling system in North America

Home to tallest chilled-water storage tank in North America

100% reliable service for past 26 years (including providing uninterrupted service during 2017's Hurricane Harvey)

Celebrating the system's 50th anniversary in 2019