



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](http://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](http://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](http://tecothermalenergy.com/operations/technologies)

**48 MW** combined heat and power

**8.8 million-gallon** chilled water thermal energy storage tank

## SYSTEM CAPACITY

[tecothermalenergy.com/operations](http://tecothermalenergy.com/operations)

**120,170 tons** chilled water (including thermal storage)

**980,000 lb/hr** steam

**64 MW** electricity for internal use

## SERVICE BENEFITS

[tecothermalenergy.com/benefits](http://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