

City of Houston Permitting Center

RETRO-COMMISSIONING

Save energy without compromising quality.

The original wooden facility was built in 1883 as the Houston Infirmary, providing medical care for railroad workers. In 1919 it was reconstructed and used as a warehouse until 1996. It sat vacant until the City of Houston purchased it in 2006 and began the LEED renovation that would become the HPC in 2011.

The 4-story 188,610 square-foot building provides a one-stop source for City of Houston permits and licenses. The air distribution and ventilation system consist of two rooftop energy recovery ventilation units with chilled and hot water coils, an enthalpy total recovery wheel and a passive dehumidification/reheat wheel providing preconditioned outside air to all floors.

Measures implemented

- Re-enable system schedules
- Building automation systems (BAS) lighting controls
- Occupancy sensors
- Discontinue hot water pump operation during summer months

Goals and challenges

- Identify opportunities for energy savings
- Estimate the economic potential
- Define an implementation scope of work for AT&T to use as a guide for the implementation phase

Solutions and results

- Identify opportunities for energy savings
- Estimate the economic potential
- Define an implementation scope of work for AT&T to use as a guide for the implementation phase

Reduced energy costs

PEAK DEMAND SAVINGS:
1.2 kW

ENERGY SAVINGS:
1,374,950 kWh/year

PROJECT COST:

\$8,850

SIMPLE PAYBACK:

**0.1
year**

ANNUAL USAGE % SAVINGS:

27%



Get started now

Contact one of our program-approved RCx agents by scanning the QR code, or contact CenterPoint Energy at EnergyEfficiency@CenterPointEnergy.com

