

AT&T
1407 Jefferson St.
Houston, TX

RETRO-COMMISSIONING

Save energy without compromising quality.

AT&T's WB3090 Central Office facility was built in the 1940s and expanded in the 1950s, for a combined total of 508,992 square feet. It is used for housing telephone and critical Internet data center equipment.

The facility is comprised of one building with 16 floors, a basement and a penthouse. The chiller plant and associated pumps are in the basement area and the cooling towers are located on the roof. Most of the building contains power rooms, switch rooms, data centers and offices. Much of the telephone equipment has been retired in place.

Measures implemented

- Scheduled air handling units (AHUs)
- Reduced space over-cooling
- Optimized supply fan performance
- Reduced outside air
- Optimized chilled water plant

Goals and challenges

The Retro-Commissioning (RCx) agent for the project was Burton Energy Group. Burton engineers conducted on-site equipment assessment and testing during the investigation phase to:

- 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

Based on Burton's findings, the AT&T team implemented measures that greatly reduced the electrical consumption and demand of the facility.

This project illustrates AT&T's dedication to best practices in energy management and its commendable efforts to reduce energy consumption by participating in the **CenterPoint Energy Commercial Retro-Commissioning Program**.

Reduced energy costs

PEAK DEMAND SAVINGS:
358.8 kW

ENERGY SAVINGS:
1,913,406 kWh/year

PROJECT COST:

\$62,470

SIMPLE PAYBACK:

0.6
year

ANNUAL USAGE % SAVINGS:

5%



Get started now

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

