

CASE STUDY:

# UNITED STEELWORKERS

Headquarters Building

## COMPREHENSIVE ENERGY EFFICIENCY

The United Steelworkers (USW) pledged to improve the efficiency of their headquarters building as part of their Pittsburgh 2030 District commitment.



### PROJECT SNAPSHOT

Working with TEN, the USW achieved a 40% reduction in building energy and water consumption, and earned LEED certification.



### CUSTOMER PROFILE

The USW proudly represents 1.2 million members and retirees who work in nearly every industry there is. The USW works for working families around the world. USW members are community, workplace and government leaders.



Major energy efficiency projects create work in the building and manufacturing industries, lower energy costs and make the world a better place for our children and grandchildren. Everyone benefits when we do the right thing.

—USW International President Leo W. Gerard supports energy efficiency

### PROJECT RESULTS

**\$203,000**

Annual Guaranteed energy savings

**\$80,000**

Rebates applied for and secured

### SUSTAINABILITY RESULTS

**Annual savings of:**

- 1,126,000 kWh Electricity
- 2,500 MCF gas
- 859,000 gallons water
- 1,326 tons projected annual CO<sub>2</sub>

### TECHNICAL COMPONENTS

- Comprehensive building energy/sustainability analysis
- Installed high-efficiency natural gas boilers and condensing units
- Installed modernized elevators
- Upgraded new emergency generator
- Implemented extensive water efficiency equipment
- Modernized HVAC control systems and variable frequency mechanical systems
- Modernized building envelope energy efficiency features
- Installed renewable solar domestic water heater system

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