

Manchester City Hall - Case Study

Project Overview

The City of Manchester, with assistance from ARAMARK, a P4P Partner firm, recently invested in several energy efficiency measures at Manchester City Hall. Through equipment and control upgrades, lighting updates and other energy efficiency measures that were outlined in an Energy Reduction Plan, the city anticipates reducing the overall energy consumption of City Hall by 17%.



Cost & Savings

COSTS	
Total Project Cost	\$156,647
P4P Incentives Requested	\$46,837
Loan Contribution	\$109,810
SAVINGS	
Annual Cost Savings	\$20,352
Annual kWh Savings	98,597
Annual MMBTU Savings	710
Tons of GHG Reduced Lifetime	*1500
Simple Payback	7.7 years

* EPA Greenhouse Gas Equivalencies Calculator

Energy Efficiency Improvements

1. Convert an aging steam boiler system to a high efficiency condensing hot water system.
2. Upgrade to high efficiency lighting with occupancy controls throughout.
3. Rebalance and optimize the ventilation system, including reduction in fan speed and motor sizes.
4. Occupancy controls on air handling units to reduce ventilation when areas are unoccupied.

FOR MORE INFORMATION:

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