

project profile



Reducing expenses without sacrificing services.

Honeywell was selected as one of Florida's pre-qualified Energy Services Companies (ESCO) to implement a project for the city of Clearwater. The project was designed to reduce energy costs and increase operating efficiencies without impacting the city's ability to provide services. Phase 1 of the project began with a pilot program and after proving successful, the city chose Honeywell again to implement improvements on 23 city facilities for Phase 2.

Honeywell

Replacing aging infrastructure and inefficiencies while increasing building performance

The Customer

Clearwater, Florida

- Located west of Tampa in Pinellas County, Florida, the city of Clearwater has a population of 107,685
- Phase 1 focused on a 75,000 sq. ft. recreation complex with a performance contract of \$2.4 million. Phase 2 consisted of implementing energy saving improvements on 23 different city facilities including government buildings, parks and recreation center buildings, city hall, fire stations, the library, fleet center, municipal facilities and solid waste facilities with a performance contract of approximately \$3.5 million

The Problem

- Clearwater needed to reduce operating expenses and increase efficiencies without sacrificing services to residents
- Many city buildings had aging infrastructure and/or inefficient systems
- There was a need to improve energy efficiency, as well as the indoor air comfort level for visitors and employees

Honeywell Solution

- Honeywell provided a holistic and comprehensive view into all of the city facilities and developed a plan that delivered results and ROI
- Solutions were provided that addressed energy efficiency, indoor air quality, operations and service management, which included high efficiency HVAC upgrades, HVAC cleaning and air distribution and LED lighting upgrades
- Honeywell installed web-enabled thermostats in eight buildings that provide easy set-point control from one central location
- Building management software was introduced through the city's Ethernet network to engage in real-time monitoring, management and optimization of the city's facilities on a continual basis
- Honeywell also provides ongoing comprehensive service, maintenance and training as part of the Energy Performance Contract (EPC)



“Working in the public sector, we have a responsibility to address resident needs as timely, efficiently and safely as possible.”

*—Mike Lockwood,
Recreation Superintendent,
City of Clearwater*

Results with Impact

The city of Clearwater was able to generate cost and energy savings through their EPC.

Actual cost avoidance in year one:
\$227,000
Exceeded guarantee by 23%
Expected 15-yr energy savings:
\$1,870,815
Expected 15-yr operational savings: \$1,440,832

Phase 1 

Guaranteed cost avoidance over 15-ys:
\$6 million+
Expected 15-yr energy savings:
\$4,217,851
Expected 15-yr operational savings:
\$1,901,767

Phase 2 

Expected carbon reduction:
2,000 metric tons
Equivalent to:
400 cars off the road
11,400 trees grown for 10 years
250 homes' electrical use

Environmental Impact 

Honeywell Building Solutions

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Printed on recycled paper containing
15% post-consumer waste.



SL-53-2381
November 2011
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