

project profile



Guaranteed Energy Upgrades

Innovative lighting technologies and a performance contract backed by American Recovery and Reinvestment Act funding is saving the City of Antioch, Calif., more than \$540,000 annually through reduced maintenance costs and energy consumption.

Honeywell

City-Wide Lighting Retrofit

The Customer

The City of Antioch, Calif.

- Antioch is situated in the East Bay region of San Francisco and is one of the oldest cities in the state; it has a population of more than 100,000 residents.

The Problem

- Antioch needed to upgrade its park and street lights, as a significant portion of its operating budget was spent on maintaining the fixtures.
- The local utility charged the city \$1.30 per light pole, per month to maintain the 8,700 lights, regardless of how long they were used.
- The city also paid for the cost of new fixtures, which consumed several hundred thousand dollars of the annual maintenance budget.
- Lighting quality in some public areas created a potential safety issue.

Honeywell Solution

- The city turned to Honeywell, its energy services consultant since 1997, to design and deliver a project to upgrade all park and street lights, as well as fixtures in seven public buildings.
- Honeywell helped the city secure a \$600,000 Energy Efficiency and Conservation Block Grant – through the American Recovery and Reinvestment Act – to decrease financing costs.
- The company also helped identify utility incentives for installing more efficient lighting and negotiate new maintenance rates.
- The savings from the project, guaranteed by a 10-year performance contract with Honeywell, will pay for the work.

Key Technologies

- High-efficiency induction lighting across the city, which generates light without the filaments or electrodes found in traditional fixtures.
 - With an average rated life of 100,000 hours, the lighting is helping decrease maintenance, as well as reducing energy consumption, and improving color and illumination.
- Lighting retrofits in facilities, such as the water treatment plant, police department and city hall further reduce energy costs and emissions.



“By using stimulus funds and working within our budget constraints, Honeywell helped us undertake an unprecedented lighting retrofit project. The work gave a boost to the local job market. And it set the city on a path to meet our long-term energy goals without having to tap taxpayers.”

—James Davis, Mayor of Antioch

Guaranteed Impact

The city has seen significant energy and operational savings as a result of the project:

One of the largest projects of its kind in the United States, the lighting improvements created work for local contractors and are expected to save more than \$540,000 each year.

Expenses
\$540,000 ↓

The city reduced its annual energy consumption by 2.6 million kilowatt-hours, enough electricity to power more than 240 homes.

Consumption
2.6 million
kw/hours ↓

The upgrades also reduced carbon emissions by approximately 1,800 tons, equivalent to removing 310 cars from the road or planting 350 acres of trees.

Carbon Emissions
1,800 tons ↓


Honeywell Building Solutions

Honeywell

1985 Douglas Drive North
Golden Valley, MN 55422-3992

1-800-345-6770, ext. 605

www.honeywell.com

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