



Energy Savings Performance Contracting

Saving Facility Resources

Case Study

Honeywell

City of Walla Walla Traffic Signals



Project Description:

This project replaced all of the incandescent lamps in the city-owned traffic signals and pedestrian signals to LED illumination modules. Additionally, 144 old pedestrian fixtures were replaced with LED illumination modules.

Project Completed: March 2007
Total Project Cost: \$256,096
Project Number: GA Project #2007-051 (1-1)

<i>Annual Energy Project Savings:</i>			
<i>Electrical</i>	\$38,728	kWh	569,781
<i>Natural Gas</i>	\$0	Therms	0
<i>Fuel</i>	\$0	Oil	0
<i>Water</i>	\$0	Gallons	0
		CCF	0
<i>Maintenance</i>	\$18,733		
<i>Total Avoided Costs:</i>			
Guaranteed	\$34,855	Actual	\$57,461

Funding Sources:

Utility Incentives	\$57,000
Capital	\$199,096

Project Managers:

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This project succeeded in bringing all of the City's pedestrian signals up to code. Also, installing LEDs in the traffic signals means that bulbs will run longer and more efficiently before being replaced.

*General Administration
Energy Program*

Emission Reductions:

Annual Reduction in CO2:
455,825 per year

Annual CO2 Reduction Represents:

Removing 30 cars from the road, or

Planting 62 acres of trees

Powering 42 homes

Report Details:

- Honeywell provided post installation of measurements and verification of light savings.
- Honeywell also provided training to signal technicians on installation and maintenance of the new LED modules.

Outcome:

- Electricity savings exceeded projections by 40%.

Project Benefits:

- Installed LED retrofits to traffic and pedestrian signals at 52 intersections.
- Replaced 1,629 bulbs with LEDs.

For more information: email GAEnergyTeam@ga.wa.gov
Visit our web site at <http://www.ga.wa.gov/EAS/epc/espc.htm>