



Peachtree City Conserves Resources and Maximizes Use of Tax Payer Dollars

City Receives Trane Energy Efficiency Leader Award



Two years ago, the City of Peachtree City undertook a significant project to replace its aging infrastructure and reduce energy consumption in city-owned buildings, including City Hall.

Today, the city is not only recognizing an improvement of the physical environment of its buildings, but seeing significant energy savings with no increase in capital funding as well. In fact, the project is saving \$120,000 based on today's utility rates and eliminating 812 tons of carbon dioxide emissions annually.

Receiving an award for energy leadership

In recognition of the importance of these upgrades and Peachtree City's commitment to energy efficiency and the reduction of its environmental footprint, the city has earned the **"Trane Energy Efficiency Leader in Municipal Government Award"** for its sustainable energy and operational efficiency improvements. Steve Miclette, business leader for the Trane commercial systems business in Georgia, presented the award to Bernard McMullen, city manager, and the mayor and council.

Steps to success

The city developed a customized plan to address key infrastructure needs, including mechanical and comfort issues at City Hall due to aging equipment and an aging pool heater at the Kedron Fieldhouse and Aquatic Center. The customized approach prioritized infrastructure needs and developed a budget neutral solution to address them.

The project used performance contracting, which assures energy and operating cost savings to fund full renovations in 16 buildings and multiple parks and recreation facilities. Renovations included installation of high efficiency lighting, water savings fixtures, including low-flow faucets and commodes, building automation systems including automatic light shut-offs, building envelope and insulation improvements, and a high efficiency heating and air conditioning system.

The project guaranteed energy savings of 877,266 kWh per year, the equivalent of removing 114 cars from our roads every year or recycling 215 tons of waste. The first full year following renovations showed an energy savings of over 1,000,000 kWh, which is 10 percent above the predicted savings.

In addition to the savings in electricity, the project has saved 18,448 therms of natural gas and 1.2 million gallons of water.

"Under the old system, employees at City Hall would be too hot in the winter and too cold in the summer," said Bernard McMullen, city manager. City Hall underwent a comprehensive redesign of heating and air conditioning systems to address these comfort issues and aging infrastructure. Tom Corbett, public works director, verified that the comfort issues have been resolved at City Hall, noting that they have not received a single complaint related to a reduction in comfort from employees or patrons of the various facilities.

