



News Release

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Improvements to Lakeland Electric Administration Building Tighten Spigot on Maintenance Costs, Increase Energy Efficiency

—City Receives Trane Energy Efficiency Leader Award—

Lakeland, Fla. (April 16, 2009) — Lakeland city leaders recently completed infrastructure improvements that make the Lakeland Electric administration building more comfortable, energy efficient and environmentally responsible.

Lakeland Electric and the City of Lakeland are working toward the goal of earning the U.S. Green Building Council's Leadership in Energy and Environmental Design™ (LEED) certification for Existing Buildings (EB), certifying it as a high-performance green building. The initial steps have been taken with a LEED EB project number already assigned. The improvements significantly increase energy and operating efficiency, reduce maintenance costs and save taxpayers money.

The infrastructure improvements will generate projected cost savings of over \$90,000 the first year with a full return on investment in nine to 10 years. The city projects a return on energy savings of more than \$2.3 million over 20 years.

Lakeland Will Receive Award for Energy Leadership

To recognize these upgrades and Lakeland's commitment to energy efficiency and environmental stewardship, the city is earning the "**Trane Energy Efficiency Leader in Municipal Government Award**" for its sustainable energy and operational efficiency improvements.

Details of the award presentation:

- Doug Cohn, chief executive officer from the Trane office in Tampa, Fla., will present the award to the Lakeland mayor and city commission as well as Lakeland Electric staff who worked to complete the project.
- Monday, April 20 at 1 pm at the Utility Commission meeting in the city commission chambers at Lakeland City Hall

Creating a Customized Solution

Built in 1989, the 10-story Lakeland Electric administration building faced aging infrastructure, inefficient and decentralized systems controls and high energy and maintenance costs. To prioritize infrastructure needs, the city started with an energy audit of the existing systems in the building.

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Based on the results, they developed two models of the building: a baseline model and an energy conservation model. A comparison of the two models enabled leaders to prioritize components of the retrofit. They then created a customized solution based on the most significant energy savings and return on investment.

The renovations improved reliability, productivity and efficiency throughout the building. Improvements included installing a high efficiency chilled water system with variable flow water pumps to reduce energy use while maximizing system efficiency.

Other improvements included upgrading air handling systems for more efficient performance and upgrading lighting in the parking garage. Leaders also added a building automation system to centralize control and to monitor the heating, ventilation and air conditioning system. This reduced both energy and maintenance costs.

“In these tight budgetary times, it was ideal that we could achieve significant utility cost reductions through systems replacement, renovation and upgrades,” said Richard Baker, facilities manager for City of Lakeland Public Works, Facilities Maintenance. “Best of all, these upgrades enable us to save taxpayer money while working toward the goal of LEED certification for our building.”

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About Trane

Trane, a business of Ingersoll Rand - the world leader in creating and sustaining safe, comfortable and energy efficient environments - improves the performance of homes and buildings around the world. Trane solutions optimize indoor environments with a broad portfolio of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced controls for homes and commercial buildings. For more information, visit www.Trane.com.

For more information, reporters may contact: Melinda Paulson, (651) 407-3974, mpaulson@trane.com or Perri Richman, (732) 980-6386, prichman@trane.com