



CLEAN AIR & CLEAN ENERGY
ARE GOOD BUSINESS

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**OAQDA Approves \$10.5 Million in Financing for Energy Efficiency, Conservation Project
at Lakeland Community College**

Energy improvements to cut annual utility usage by 68 percent, reduce emissions

Columbus – Lakeland Community College was approved for Qualified Energy Conservation Bond (QECB) financing for the installation of new energy efficiency and conservation systems by the Ohio Air Quality Development Authority (OAQDA) a recent meeting.

The project will be located at the college's Lake County Campus in Kirtland. This major energy conservation project includes:

- Electrical upgrades to include interior/exterior lighting and controls
- Mechanical upgrades and HVAC upgrades Including,
 - Dedicated Outdoor Air Systems
 - Variable Refrigerant Flow
 - Geothermal
 - Building-Automation System
- Building envelope R-30 roof replacement and window reglazing or replacement
- Water efficiency

Significant reduction in emissions is the equivalent of the carbon dioxide produced by 80,041 gallons of gasoline consumed, 149 passenger vehicles, or the emissions of 107 residential homes' annual energy use. Projected annual energy savings are 744,917 Kwh of electricity as well as 3,479 MCF of natural gas. An added benefit will be a reduction in annual water consumption by 321 Mgal.

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In addition to the projected annual energy savings of 68 percent, greenhouse gas emissions will be reduced by 54.7 percent. The College's energy conservation construction program scope totals \$10.2 million and will result in an annual utility savings of approximately \$90,000 with an estimated measured annual reduction in energy consumption of 6,090 MMBtu and a reduction in greenhouse gas emissions of 377.2 metric tons GHG CO2 equivalent.

"Lakeland Community College as a public institution is socially responsible to make the world better than when we arrived here. The College strongly believes that taking a proactive approach to managing energy and reducing greenhouse gas emissions significantly supports accomplishing that goal. Our opportunity to partner with the OAQDA and its team members created a significant benefit to these efforts." Dr. Morris W. Beverage, Jr., Lakeland president, said.

"As OAQDA continues its efforts to help Ohio's state and local governments and public universities in cutting their utility costs, conserving energy and reducing the emission of hazardous substances into our environment, we are pleased to add a public institution of higher education to our list of funded projects. This project also enables OAQDA to further its mission of fostering and preserving clean air in Ohio," said Chadwick Smith, OAQDA executive director.

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The Ohio Air Quality Development Authority (OAQDA) is a non-regulatory government agency created to help Ohio businesses comply with clean air regulations. Since its creation in 1970, the Authority has provided technical and financial help to hundreds of large and small Ohio businesses, awarding more than \$8 billion to finance air quality projects. For more information about OAQDA and its services, please visit its web site at www.ohioairquality.org.