

**SUBJECT:** Approve issuance of a rebate to Round Rock ISD – Westwood High School for the installation of energy efficient equipment in an amount not to exceed \$73,451.40.

**AMOUNT & SOURCE OF FUNDING:** Funding is available in the Fiscal Year 2010-2011 Operating Budget of Austin Energy, Conservation Rebates and Incentive Fund.

**FISCAL NOTE:** There is no unanticipated fiscal impact. A fiscal note is not required.

**FOR MORE INFORMATION CONTACT:** Fred Yebra, P.E., Director, Energy Efficiency Services, at 482-5305 or Scott Jarman, Engineering Supervisor, at 482-5307.

**PRIOR COUNCIL ACTION:** N/A

**BOARD AND COMMISSION ACTION:** To be reviewed by the Electric Utility Commission on August 15, 2011 and by the Resource Management Commission on August 16, 2011.

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Austin Energy's Energy Efficiency Services requests authorization to issue a rebate to Round Rock ISD – Westwood High School in the amount of \$73,451.40 for the installation of High Efficiency Chillers, Variable Frequency Drives, NEMA Premium Motors, Transformers, High Efficiency Lighting, Lighting Controls, and High Efficiency Direct Expansion Air Conditioning equipment in accordance with the City of Austin's Commercial Rebate Program guidelines. This program is one element of Austin Energy's comprehensive Energy Resource Plan, approved in December 2003 by City Council, designed to reduce local air pollution through energy conservation, to reduce peak demand, and to assist customers in reducing electric consumption.

Westwood High School is located at 12400 Mellow Meadow Drive in Austin, Texas. The demand (kW) savings associated with the high efficiency equipment installed in this project is estimated at 203.76 kW, at a program cost of \$360.49 per kilowatt saved. The avoided kWh, estimated at 545,550 kWh per year, represents a major benefit to the local environment. This project will prevent the following air pollutants from being emitted: 328 metric tons of Carbon Dioxide (CO<sub>2</sub>), 0.21 metric tons of Sulfur Dioxide (SO<sub>2</sub>), and 0.23 metric tons of Nitrogen Oxides (NO<sub>x</sub>).

In addition to the reduced air and toxic metals pollution, the project savings are also equivalent to an estimated 735,502 vehicle miles traveled, the removal of 63 cars from our roadways, or the planting of 8,416 trees or 421 acres of forest in Austin's parks.

## RCA PROJECT FACT SHEET

Customer Name: Round Rock ISD - Westwood High School

File Number: 1201

Facility Address: 12400 Mellow Meadow Drive, Austin, TX 78750

Customer Contact: Rick Conrad, Round Rock ISD, (512) 464-5014  
Jason Fryer, O'Connell Robertson, (512) 478-7286

Estimated Rebate: \$73,451.40

Equipment Installed: High Efficiency Chillers, Variable Frequency Drives, NEMA Premium Motors, Transformers, High Efficiency Lighting, Lighting Controls, and High Efficiency Direct Expansion Air Conditioning Equipment

Demand Savings: 203.76 kW

KWh Savings: 545,550 kWh

Cost per kW: \$360.49

Estimated Project Cost: \$39,852,850.00

Estimated Completion Date: December 2010

Site Information: Westwood High School, 12400 Mellow Meadow Drive, Austin, Texas 78750

### Comments:

Westwood High School is a 324,392 square foot campus located in Northwest Austin. It has an enrollment of about 2,400 students and over 200 staff. It is one of Round Rock ISD's Exemplary Rated schools with several Gold Performance Acknowledgements for academic achievement. The current energy-efficient measures are part of construction funded by voter-approved bonds from 2006 and 2008. These bonds funded building a new administrative area, new classrooms, a new auxiliary gymnasium, conversion of the old gymnasium into a cafeteria, expansion of the library, and the construction of a new two-story classroom addition.