

Dear Borrowers:

The Energy Loan Program had a busy year in 2004. We added some new and exciting types of projects to our portfolio. We've shared a few with you in this brochure. Please take a moment to read about these interesting projects.

In January 2005, the Energy Loan Program is implementing a state-of-the-art loan program database, the result of two years of intense internal work. We believe this new system will allow us to answer questions faster and improve service to our customers.

As always, we continue to work with you on your energy conservation and renewable generation projects and are dedicated to providing you with quality assistance. Our program can help finance:

- ✓ *Energy conservation;*
- ✓ *Production of energy through renewable resources such as water, geothermal, wind, solar, waste heat and biomass;*
- ✓ *Production or use of alternate fuels; or*
- ✓ *Use of recycled materials to create new products.*

In the coming months you'll see a few changes on our Web site, as a part of the state's effort to present information in a uniform format. The address remains the same at: www.energy.state.or.us.

Thank you for your support of our program. Feel free to call us with any questions you have and pass along our brochure to a friend or associate.

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www.energy.state.or.us

Energy Loan Program

Annual Update



January 2005



**Associated General Contractors
Wilsonville**

Associated General Contractors (AGC) used its \$124,000 energy loan to upgrade the heating, ventilation and air conditioning (HVAC) system in its 1979 Wilsonville building.

The measures included variable frequency drives for two rooftop air handlers, variable air volume boxes for the remaining rooftop units and direct digital controls. Other measures included improved ductwork, reconfiguring the air distribution system layout throughout the building's four floors and commissioning the upgrades.

AGC expects these improvements to provide increased occupant comfort, better management of the HVAC system and energy savings of 24 percent of the building consumption.



**Lane Regional Air Pollution
Authority (LRAPA)
Eugene**

Truck idling is a common practice by long-haul drivers to maintain comfortable cab temperatures, run appliances and to keep the engine warm. But, idling a heavy-duty engine increases air pollution, adds to greenhouse gas emissions and consumes an average of 0.8 gallons of fuel per hour.

An alternative to idling the main engine is to run a smaller Auxiliary Power Unit (APU) that produces fewer emissions and uses from 0.1 to 0.2 gallons of diesel per hour, saving each truck up to 2,000 gallons annually.

The Lane Regional Air Pollution Authority (LRAPA) secured an \$860,000 loan to purchase and install 150 APUs to introduce and promote the technology.

LRAPA will offer a lease arrangement to truck owners, who will save about \$400 per month in fuel costs, and create a solution for energy conservation and healthier air for everyone.



**Quail Mountain
Klamath Falls**

Quail Mountain, a Pepsi-Cola bottling company, obtained a loan for \$950,000 to install the largest single solar electric system the Pacific Northwest. The firm's Klamath Falls administrative building received a 115 kW solar electric system and its warehouses in Klamath Falls and Lakeview got similar systems.

The combined rooftop systems generate 158 kW of electricity to meet an estimated 64 percent of power needs. The business uses most of the electricity generated and Pacific Power and Light, the local utility, purchases the excess output from the photovoltaic system.

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