

# SYNERGY WILLAMETTE VALLEY

HIGHLIGHTS FROM ENERGY TRUST OF OREGON

## RENEWABLE POWER ENERGIZES NEW CONCEPT IN VETERAN CARE

A new healthcare complex developed for the skilled nursing care of military veterans is designed to save energy and improve resident health and comfort. The Edward C. Allworth Veterans Home meets the standards of the State Energy Efficiency Design, SEED, program, which directs state agencies to include cost-effective energy conservation measures in new and renovated public buildings.

Located in Lebanon, the 133,000-square-foot veterans home features a 336-panel rooftop solar electric system spread across eight residential buildings on the 12-acre campus. The 85.7-kilowatt hour solar electric system is estimated to generate 93,000 kWh of energy annually. While the solar electricity generated will help offset energy costs, investments in energy-efficient lighting, heating and cooling systems and kitchen appliances are projected to save more than 32,000 kWh of electricity and 48,000 therms of natural gas annually. Energy Trust of Oregon provided \$114,109 in cash incentives toward the energy-saving investments.

## GIFT AND FLOWER SHOP SHINES WITH LEDs

Village Blossoms and Gifts put an extra sheen on merchandise when it upgraded its 2,800-square-foot retail shop with LED lighting. "Small business owners have to be smart about finding ways to save on expenses," said Marianne Fox, owner of Village Blossoms and Gifts in Albany. LEDs are perfect for retail businesses because of their energy savings, cooler temperature, long life and better color rendering.

Energy Trust provided \$930 in cash incentives for the lighting upgrades. "Watching our overhead isn't only about the cost of making upgrades, but the time involved in getting them done takes focus away from our primary business. Programs that help us make these improvements quickly and efficiently make a difference," said Fox. In addition, the 57 new LED lights are estimated to save \$650 and 8,000 kilowatt hours of energy annually.

## CABINET DOOR MAKER CHIPS AWAY AT ENERGY WASTE

Sawdust, a byproduct of Brentwood Corporation's wood products manufacturing, adds debris and airborne dust particles to the shop floor if not effectively managed with industrial-sized dust collectors. Rather than invest energy-intensive equipment, Brentwood installed an on-demand ventilation system to control dust, eliminating the need for new collection equipment and saving the plant an estimated \$86,000 in annual energy costs. The ventilation system improves the capability and efficiency of the plant's existing dust collectors, senses when airflow is needed and uses a series of automated gates to direct capacity to other workstations.

Energy Trust provided more than \$257,600 in cash incentives, covering nearly 50 percent of the project's upfront cost. The new system is estimated to save more than 1.3 million kilowatt hours of electricity annually.



## DAIRY COWS HELP POWER THE GRID

Forest Glen Oaks, a third-generation family-owned dairy farm in Yamhill County, runs three related lines of business: production of certified organic milk from 2,000 registered Jersey cows, an internationally recognized breeding program featuring prized Jersey bulls, and the production and sale of renewable electricity derived from dairy waste.

Forest Glen Oaks uses anaerobic digestion to transform the dairy waste to energy-rich biomethane, used to fuel a co-generation engine that produces heat and renewable electricity. In addition to improving air quality and reducing greenhouse gases, collecting and processing the dairy waste can help protect water quality. The facility produces approximately 3.1 million kilowatt hours of electricity annually, enough to power nearly 300 average Oregon homes for a year.



## TRADE ALLY OF THE MONTH: AMBASSADOR FIREPLACES

Located in Springfield, Ambassador Fireplaces offer gas fireplace and water heating equipment installations to Lane County residents. With a staff of seven, the family-owned business has been an Energy Trust trade ally since 2009.

"I became a trade ally because I wanted to set myself apart as the fireplace guy who emphasizes efficiency for my customers," said Matthew Clement, owner of Ambassador Fireplaces.

Performing more than 50 projects per year in Energy Trust service territory, the company has become best known for its fireplace installations. According to Clement, Energy Trust incentives are a huge help in encouraging customers to consider energy efficiency when making decisions.



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