



TRADE ALLY NETWORK^{NW}

Building Success Together

CASE STUDY

ADVANCED ROOFTOP-UNIT CONTROLS



SHOP'N KART

PROJECT-AT-A-GLANCE

EQUIPMENT INSTALLED

Rooftop Unit
supply fan controls
(Advanced Rooftop
Controls)

FINANCIAL ANALYSIS

\$7,600
PROJECT COSTS

\$3,000
INCENTIVES

ESTIMATED ANNUAL SAVINGS

19,132
ANNUAL KILOWATT
HOUR SAVINGS

A CARTFUL OF ENERGY SAVINGS

The Shop'n Kart at Yard Birds Mall provides Lewis County residents a variety of produce and products to meet all their needs. In order to provide the best shopping experience, Shop'n Kart management undertook a variety of energy efficient upgrades to make the store more comfortable for the customers and the products. Conserve Energy, LLC assisted Shop'n Kart with the upgrades, which included lighting and HVAC.

"We've done several projects with public utilities, including Lewis County PUD and Grays Harbor PUD, where we updated the existing interior and exterior lighting," said Gary McDaniel, vice president of operations, D&S Enterprises. Knowing that the HVAC systems were aging at this Shop'n Kart location,

With the installed control on the 20-ton rooftop unit, energy savings are estimated at 19,132 kWh which translates to \$957 per year.

For more information on Advanced Rooftop-unit Controls and other energy efficiency solutions, visit tradeallynetworknw.com

management decided to go beyond lighting upgrades. The existing 20-ton rooftop unit was retrofitted with an Advanced Rooftop Unit Control (ARC). An ARC is an energy-savings retrofit solution for constant volume, single-zone packaged rooftop equipment. With the installed control on the 20-ton rooftop unit, energy savings are estimated at 19,132 kWh which translates to \$957 per year. In addition to the energy savings, the incentive was also helpful in deciding to install the control. Lewis County PUD offered an incentive of \$3,000 which brought the project costs down significantly!

Rooftop units are responsible for more than 1,000 trillion BTUs per year of energy use nationwide. An ARC can reduce energy use by more than 50 percent.

**Per U.S. Department of Energy Advanced Rooftop Control (ARC) Retrofit: Field Test Results, July 2013.*



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Contact Trade Ally Network NW for more information.
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