



Business Partners

Summer 2008 | A newsletter to inform customers of Roseville Electric

Lighting Upgrade Furthers CVL's Green Strategy

The phrase “win-win” may be overused, but the concept of improving a company’s operations, lowering expenses, and benefiting the environment never goes out of style. CVL Supply Chain Innovation (formerly CV Logistics) continues to do all three by searching out innovative ideas and programs. The supply chain management company with facilities in Roseville, California and Houston, Texas helps HP, Rheem, and others get products to their customers quickly, so increasing operational efficiency is part of CVL’s daily focus.

Among their most recent finds was Roseville Electric’s Two-Five-O program, offering generous rebates that covered all but \$2,800 of a lighting makeover of their 60,000 square-foot facility. What made the idea so appealing was that the changeover reduced annual electricity consumption by 90,352 kWh, which translates to an electricity bill savings of about \$9,000 per year and a complete payback in less than four months.

Equally important to the green-minded company, the retrofit reduced their greenhouse gas emission output by 25 tons per year. “We’ve always strived to be environmentally responsible,” said CVL Founder and CEO Carla Vasquez.

“The lighting retrofit allows us to further that goal, while also reducing expenses and paying for itself in a few months. You can’t beat that.”

According to Mark Husar of California Lighting Services, the company that handled the retrofit, CVL’s savings are not uncommon. “Now that the upgrade has paid for itself, CVL will basically be making money on the retrofit from this point forward.” Asked why all companies don’t take advantage of the Two-Five-0 program, Husar said, “The biggest problem we run into is that people think it’s too good to be true—but it is true.”

CVL generated its considerable savings by installing T-5 fluorescent fixtures with electronic ballasts to replace the metal halide lamps in its 60,000 square foot warehouse and offices. The new lights feature motion sensors on each warehouse fixture, lighting only those areas where people are working. In addition, the T-5s provide and maintain better light quality and lower maintenance costs by lasting much longer than their predecessors. Metal halide lamps also lose about 45 percent of their output in the first 500 hours, while the T-5s hold 95 percent of their output throughout the 20,000 hour lamp life.



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Continued on Page 2



Roseville Electric



TECH CORNER

Smart Power Strips— A Bright Idea for Saving Energy

The modern office is full of energy-using equipment—computers, printers, copiers, lights, fans, and more. Much of that equipment is left on throughout the workday and is often left on 24 hours a day, 365 days a year.

The result is wasted power, which translates directly to wasted money. Smart power strips offer a simple, easy-to-install solution to the problem by using monitors, timers, and sensors to turn off equipment when it's not being used. Best of all, we offer rebates to help you cover the cost of installing these power strips.

You can learn more about smart power strips in the business customer section of our Web site at www.roseville.ca.us/electric

A detailed explanation on the various smart power strips offered is available in the Purchasing Advisor section of our Business Energy Advisor. Rebates for these items are available on our Lighting Rebate application.

Lighting Upgrade: *continued*

CVL Marketing and Communications Manager James Cole is ecstatic with the results, “We’re saving so much money through the retrofit that we decided to join Green Roseville and buy the electricity we use from renewable resources,” said Cole. “We’re currently looking into installing solar panels, as well, and will take advantage of Roseville Electric’s PV Buydown Program if we decide to do that.”

While energy efficiency is important to CVL, the company’s environmental initiatives extend across all areas of its operations, including the services it provides to customers. CVL currently tests LCD screens, laptop batteries and laptop computers for HP to reclaim and reuse components. The company also

recently replaced the truck it uses to deliver customer products with a low-emission version that meets next generation standards.

Internally, CVL is big on recycling their cardboard, paper and palettes, as well their bottles and cans. The company no longer uses disposable dishes or flatware and provides recycling bins within easy reach of all employees. Said Cole, “Having a CEO that considers the environmental impact of each action we take keeps that awareness front and center for us all.”

To learn more about CVL visit www.thinkcvl.com. To find out how your business can take advantage of the lighting rebates available through the Two-Five-O program, visit www.roseville.ca.us/250

MYTH: Screen Savers Save Energy FACT: They Use Just as Much Energy as Any Software Program



Screen savers are designed to save your monitor from damage caused by static images leaving an indelible mark on your screen, known as “burn-in.” To reduce energy consumption, turn off your monitor when not in use or use Energy Star® models that switch inactive monitors to a power-saver mode.

Energy Efficiency: A Question of Balance



Find out more about lighting sensors and integrated control packages in the Business Advisor section of our Web site at www.roseville.ca.us/business_energy_advisor.asp

Using the words “performance” and “engineering” for buildings is a relatively new idea that owes some of its popularity to California’s Title 24 Building Efficiency Standards. Title 24 mandates all new buildings meet specific energy-efficiency levels by balancing the energy use allowed through lighting, air conditioning, window glazing, insulation and other measures. Because there’s no guesswork allowed, architects and mechanical engineers use sophisticated computer programs that enable them to determine how each new design feature or piece of equipment affects the building’s overall efficiency number, or performance.

Just as today’s cars monitor operations through sensors and onboard computers, buildings are increasingly equipped with monitoring devices that automatically adjust performance.

“Daylight sensors that adjust lighting to match conditions and occupancy sensors turn lights off when no one is present are two features we

“Many building owners... can see what’s on and where energy is being consumed and make adjustments that lower use.”

commonly install,” said Jeremy Grosser of Rex Moore Electric. “It’s amazing how much energy a little thing like a daylight or occupancy sensor can save.”

Sensors are a low-cost item just about everyone can afford. More sophisticated systems take building performance to a much higher level by integrating building systems into a single software package. Said Grosser, “Many building owners install integrated systems that allow them to view their buildings remotely. They can see what’s on and where energy is being consumed and make adjustments that lower use.”

Market Conditions Stimulate Green Building

Just as high gasoline prices have spurred on hybrid automobile sales, the slowing real estate market is creating a new breed of commercial building tenants, buyers and developers. In a market that has shifted heavily to the buyers’ side, today’s prospective tenants and owners are more sophisticated and are becoming far choosier, especially when it comes to energy efficiency.

According to Richard Sambucetti, AIA, an architect at Borges Architectural Group, “We’re seeing a philosophical shift that’s being fueled, in part, by increased competition. Developers know their buildings must be marketable and with perspective buyers and tenants asking about energy efficiency and other green building practices, there’s a much stronger interest in sustainability. That market push, coupled with developers’ desire to qualify for energy efficiency rebates, is changing the way commercial buildings are designed and constructed.”

The move toward sustainability is well timed, says Sambucetti, who has seen a significant increase in the number of green building products available and a dramatic improvement in the ease of accessing specification and product information. “There are sustainable building products coming to market every day,” he says, “and we now have the tools to locate them quickly. People want to do the right thing—now it’s becoming easier and more affordable.”





RE's Business Energy Advisor Delivers Info 24/7

If your business is looking for ways to cut back on energy consumption or learn about the latest energy-efficiency products, visit the Business Energy Advisor section of our Web site. In its pages you'll find great information on more than 50 new efficiency technologies and practical tips guaranteed to help your business save money by reducing energy use. Check out our Business Energy Advisor at www.roseville.ca.us/business_energy_advisor.asp

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