



SOUTHERN CALIFORNIA  
**EDISON**<sup>®</sup>

6040 N. Irwindale Ave., Bldg. A  
Irwindale, CA 91702

An EDISON INTERNATIONAL<sup>®</sup> Company



Contact your account representative for additional information and assistance.

QUICK LINKS TO FIND ENERGY INFO

Find us Online: [www.youtube.com/sce](http://www.youtube.com/sce) [www.twitter.com/socaledison](http://www.twitter.com/socaledison)

**SCE Home Page**

– [www.sce.com](http://www.sce.com)

**Energy-Related Learning**

– [www.sce.com/ctac](http://www.sce.com/ctac)  
– [www.sce.com/agtac](http://www.sce.com/agtac)

**Statewide Transmission System Status**

– [www.caiso.com](http://www.caiso.com)

**Utility Regulation**

– [www.cpuc.ca.gov](http://www.cpuc.ca.gov)  
– [www.energy.ca.gov](http://www.energy.ca.gov)



**IN THIS ISSUE ...**

- » SCE's Pump Test and Hydraulic Services: A Century of Value
- » Protect Your Employees and Business From Contact With Power Lines
- » Construction Materials Firm Builds Up Energy Savings

**INDUSTRIAL SEGMENT**

SOUTHERN CALIFORNIA EDISON

**POWER BULLETIN**

VOL. 11 No.7 July 2011

**SCE's Pump Test and Hydraulic Services: A Century of Value**

In 2011, Southern California Edison (SCE) marks 100 years of serving customers through the Pump Test and Hydraulic Services offering, one of the largest and longest-running pump-related energy efficiency offerings in the nation. Benefits of SCE's free pump testing services may include:

- increased energy efficiency,
- reduced costs, and
- improved system efficiency.

The pump testing services determine the overall "wire-to-water" efficiency of a pumping plant by analyzing the water level in a well during pumping, discharge flow rates, and power input to the pump motor. These measurements of pump performance in progress allow customers to track pumping plant efficiency and determine when maintenance or overhaul will be cost-effective.

SCE also offers recommendations to capture efficiency and cost-saving opportunities elsewhere in the pumping system, such as by minimizing piping friction losses and matching pressure to varying flow requirements through the use of variable speed drives. In addition, SCE provides several fee-based predictive maintenance services, including infrared panel inspection and cleaning, vibration detection analysis, meg-ohm testing, and industrial services.

To learn more about SCE's Pump Test and Hydraulic Services, as well as other energy management solutions, contact your account representative or visit [www.sce.com/solutions](http://www.sce.com/solutions). To schedule a pumping test, log onto [www.sce.com/forms/RequestPumpTest.aspx](http://www.sce.com/forms/RequestPumpTest.aspx).

**Protect Your Employees and Business From Contact With Power Lines**

Across the United States, workers who contact power lines put themselves and the public at risk of injury or death. These overhead and underground utility contacts also cost utility companies and businesses millions of dollars in repair and service disruption losses every year.

Did you know overhead power lines are not covered by insulation? If an overhead power line touches you, your equipment or your tools, you or someone you work with could be electrocuted. Everyone who works near power lines is at risk, whether you operate heavy equipment or use ladders and handheld tools.

One life-saving rule-of-thumb is the 10-foot rule. Keeping vehicles, equipment, tools, scaffolding and people at least 10 feet away from overhead power lines can help prevent accidents. Make sure everyone at the work site knows about nearby overhead wires and where they are located. Assume all wires are

CONTINUED ON BACK

## CONTINUED FROM FRONT

energized and potentially dangerous—this includes overhead and underground lines, and the service drops that run from utility poles to buildings.

Not only are workers at risk from making contact with overhead wires, a buried conductor is just as hazardous. In advance of any excavation project, call 811 before you blast, bore, trench, drill, grade or dig in any way.

Your building's utility maps may not be updated, and the markings could be off, but by calling the national 811 call center, you can find out the most current and most accurate information about buried utilities. This free service will arrange for the marking of underground power lines and other utilities so you can keep a safe distance.

### Electrical Safety Awareness Materials

SCE offers *Worker Beware* safety training materials (at no cost) that can easily be integrated into your existing safety program. These materials—which include tip cards, posters, a DVD and a facilitator's guide—can help save lives, control injury-related costs, reduce insurance premiums and avoid Cal/OSHA fines.

To learn more about SCE's safety awareness programs and to order free educational materials, visit [www.sce.com/safety](http://www.sce.com/safety) and click on "Worker Safety."

## INDUSTRIAL SEGMENT FOCUS

### Construction Materials Firm Builds Up Energy Savings

Blue Diamond Materials, a division of Sully-Miller Contracting Co., works rigorously to satisfy its customers. It is responsible for supplying construction materials and services for Southern California's infrastructure. At the same time, the company greatly reduces its demand for electricity by utilizing a wide array of energy-efficient resources and Demand Response offerings from SCE.

On that same note, Sully-Miller is at the forefront of energy-saving technology. Whether it is implementing new energy-efficient policies at its manufacturing plants or upgrading its technology, Sully-Miller continues to be committed to the environment. So far, it has made numerous improvements. These improvements include enhancing lighting fixtures and adding lighting controls, as well as installing timers on electric oil heaters and placing variable frequency drives on motors. SCE incentives helped offset the costs of these measures.

"It's the right thing to do environmentally and we reap the benefits of saving money," said Sully-Miller Equipment Director John Linnborn. "The incentives certainly improve the return on investment and the projects pay for themselves a lot sooner."

### CPP Annual Savings of \$69,500

Sully-Miller also saves energy, money and helps the environment by participating in Demand Response programs.

Several years ago, the company's asphalt plants enrolled in the Critical Peak Pricing (CPP) program, which rewards customers for reducing or shifting electricity use during nine to 15 summer events—when the demand and price for electricity climb. (CPP is now the default rate for bundled service customers with demands greater than 200 kilowatts (kW).)

One major priority to Sully-Miller is its loyalty to its customers. Linnborn said that Sully-Miller will participate in CPP events as long as it does not affect its commitment to customers. If the company is unable to adjust schedules and delivery times during an event, it will cut back production or shut down selected parts of the facilities. He noted, "We participate as much as our production needs allow."

Since joining CPP, the company's asphalt plants have shown exceptional results, averaging \$69,500 in annual savings.

To further assist in CPP participation, Sully-Miller received an SCE incentive of \$105,900 to install an automated load control system to reduce energy consumption during Demand Response events at its Irwindale and South Gate asphalt plants.

Automated Demand Response, or Auto-DR, simplifies participation in CPP. Its flexibility and ease of use allows customers to pre-select their level of participation and automatically take part in Demand Response. Use of Auto-DR allows Sully-Miller to reduce its demand by approximately 350 kW per CPP event at the two sites.



Since joining the Critical Peak Pricing program, the asphalt plants of construction materials and services firm Sully-Miller Contracting Co. have averaged \$69,500 in annual savings.

### Additional Estimated Annual Savings of \$223,000-Plus

Recently, Sully-Miller began transitioning some of its facilities from CPP to the Real-Time Pricing (RTP-2) rate schedule, which it will participate in along with the Time-of-Use Base Interruptible Program (TOU-BIP).

The RTP-2 rate schedule benefits customers with the flexibility to shift or reduce energy usage to times when temperatures (and electricity prices) are lower, which is especially helpful to Sully-Miller during very early-morning operating hours. Under TOU-BIP, participants receive credits for being available to curtail a certain amount of load within a 15- or 30-minute notice from SCE.

"These looked like the best options for the best savings," Linnborn said, noting that annual estimated savings from participating in these two programs at just the Irwindale asphalt and rock quarry facilities total more than \$223,000.

### Next Steps: Retrocommissioning

Sully-Miller continues to be at the cutting-edge of the energy-saving front by looking for new and innovative ways to reduce energy use and maximize environmental stewardship. The company tracks, reports and certifies its greenhouse gas emissions through participation in the California Climate Action Registry. Additionally, it plans to take part in SCE's Industrial Retrocommissioning Continuous Energy Operations offering. This initiative helps engage companies in long-term strategic energy and operational planning.

Linnborn said that Sully-Miller's leadership in energy management stems from the top levels of the company. He credited Robert Johnson, operations manager of the asphalt plants, for work in this area. He also gave a large amount of credit to SCE.

"Our Major Account Executive, Martha Moisa, has helped us tremendously and kept us up to speed on different available programs," Linnborn said. "We couldn't and wouldn't have done it without her help."

For more information on how you also can benefit from SCE's wide array of energy management programs and services, contact your account representative or visit [www.sce.com/solutions](http://www.sce.com/solutions) and [www.sce.com/drpf](http://www.sce.com/drpf).