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In This Issue

[MGM City Center Builds Green](#)

Written by, John Koester & Zac Hilyard

[2nd Annual Earth Day Event](#)

Written by, Erica Paul

[Featured City Working Towards a Greener Tomorrow](#)

San Jose, CA
Written by, City of San Jose
Staff Report March 9, 2009

[Industrial Med. Voltage Power Cable](#)

Written by, Teri Cochran

[USGBC-NCC Silicon Valley Branch Green Building Expo](#)

[Upcoming Green Events](#)

[Memberships & Affiliations](#)

Rosendin Electric Green Committees

In-house Awareness & Events

Contact: [Jeff Messana](#)

Education & Events

Contact: [Erica Paul](#)

Innovation, Purchasing, & Engineering

Contact: [Justin Thomas](#)

MGM City Center Builds “Green”

By John Koester & Zac Hilyard



When MGM Mirage decided to build the massive City Center Project building Green was a top priority. Striving to achieve LEED Silver rating MGM Mirage employed Green practices from the very inception of the project. When the existing buildings on the property were razed to make way for the huge development more than 90%

of the building was either reused or recycled. And during the construction of the project construction materials were selected for paints, sealants, adhesives, carpet and composite wood products which contain minimal Volatile Organic Compounds (VOC's) to enhance indoor air quality. The project also has a strict construction waste management program with the goal of recycling a minimum of 75% of all construction waste that would otherwise end up in landfills.

The MGM City Center project made a Commitment to Sustainability that includes conserving water, preserving indoor environmental quality, conserving energy, and alternative forms of transportation and carpooling incentives. [\(Continued on 4th Page\)](#)

2nd Annual Earth Day Event

By Erica Paul



Rosendin Electric would like to Thank everyone who participated in our 2nd Annual Earth Day Event. Last year, we distributed 1,500 recyclable grocery bags, and this year will distributed 1,000. We would like to Thank all our regional offices for their participation in our success.



Upcoming Events

**USGBC Silicon Valley Branch
Green Building Expo**
5/12/09 : 5:30pm-8:30pm
[Website](#)

**Successful LEED Projects
Lessons Learned**
05/21/09: Pleasanton

**LEED NC v2.2 Exam
Preparation Workshop**
05/29/09: San Francisco
06/4/09: Sacramento
06/15/09: San Francisco

*Rosendin Employee's contact
[Diane O'Carroll](#) to register for these
Events

Recycle it all Event
Rosendin & HOPE are
partnering to have an electronic
recycling event **June 1st thru
the 5th** at corporate
headquarters.

**8th Annual UC, CSU, CCC
Sustainability Conference:**
"Working Our Way to Zero"
6/21-6/24: UC Santa Barbara
[Register: Website](#)

PG&E CLASSES
[Website](#)

Integrated Interactions:
*Commissioning Case Studies
and Lessons Learned*
5/12/09 :San Francisco

Lighting Fundamentals
5/13/09 :Bakersfield
5/19/09 :Stockton

Title 24:
*New for Refrigerated
Warehouses in 2009*
5/14/09 :Salinas
5/15/09 :Bakersfield

**Using Design Review,
Submittal Review, and
Construction Observation for
Commissioning**
5/15/09 :Oakland

Energy Efficiency
Green Design Considerations
5/15/09 :Pleasanton

*Rosendin Employees self-
register with Manager's
approval

USGBC-NCC Silicon Valley Branch Green Building Expo

Rosendin Electric would like to invite you to the 1st Annual USGBC-NCC Silicon Valley Branch Green Building Expo.

USGBC-NCC Silicon Valley Branch celebrates its one year anniversary on Tuesday, May 12 with an exhibition to showcase some of our local Green Resources.

At this event, you will have opportunities to:

- Learn about some of Silicon Valley's sustainable builders and products.
- Visit booths showcasing the diversity and depth of Silicon Valley green industry.
- Network with others interested in a sustainable future.
- See a tour of Santa Clara University's Solar Decathlon project.
- Enjoy the Santa Clara University Learning Commons Library and it's green features.
- Celebrate the 1st birthday and hear about the inaugural year of USGBC-NCC's Silicon Valley Branch.

Rosendin Electric is a proud sponsor and vendor of this event.

Featured City Working Towards a Greener Tomorrow San Jose, CA

Author: City of San Jose Staff Report March 9, 2009

The City has long been a leader in environmental stewardship through its efforts to recycle waste, conserve water, reuse wastewater, and develop in a sustainable manner. It has successfully pioneered many environmental initiatives from recycled water and curbside recycling to establishing an urban growth boundary.

In October 2007, adopted San Jose's Green Vision, a bold roadmap that is intended to model how innovation and environmental responsibility can strengthen economic opportunity and can, in fact, be vital catalysts for spurring prosperity. The Green Vision lays out ten aggressive goals, listed and described below, that the City is working with residents and businesses to achieve by 2022. By pursuing these goals, San Jose has resolved to help lead the nation out of the current economic recession by inspiring new careers and industries, becoming more energy efficient, producing and using electricity from clean renewable sources, creating green buildings, diverting waste from landfills, creating greener street systems, expanding delivery of recycled water, and reducing greenhouse gas emissions. [\(Continued on 3rd Page\)](#)

**If you are interested in hosting
a Green Lunch & Learn contact:
tdixon@rosendin.com



(Featured City Continued)

- Goal 1** Create 25,000 Clean Tech jobs as the World Center of Clean Tech Innovation.
- Goal 2** Reduce per capita energy use by 50 percent.
- Goal 3** Receive 100 percent of our electrical power from clean renewable sources.
- Goal 4** Build or retrofit 50 million square feet of green buildings.
- Goal 5** Divert 100 percent of the waste from our landfills.
- Goal 6** Recycle or beneficially reuse 100 percent of our wastewater (100 million gallons per day).
- Goal 7** Adopt a General Plan with measurable standards for sustainable development.
- Goal 8** Ensure that 100 percent of public fleet vehicles run on alternative fuels.
- Goal 9** Plant 100,000 new trees and replace 100 percent of our streetlights with smart, zero-emission lighting.
- Goal 10** Create 100 miles of interconnected trails.

The City has created an interactive website to help the public track progress towards the Green Vision Goals <http://www.sanjoseca.gov/greenvision/>

Industrial Med. Voltage Power Cable

By Teri Cochran, WESCO Branch Manager



In this quarters Newsletter, our Green Product article will focus on the Industrial Med. Voltage Power Cable. We've seen more requests in the recently (from our LEED and LEAN Design Projects) for information on environmentally friendly Industrial/building wires. Southwire leads the way with the introduction of their Envirotec™ medium voltage cables. Envirotec™ cables are constructed not only with a lead-free PVC jacket, but also a lead-free EPR insulation as well. The cable meets the all testing requirements of AEIC CS-8, but also gives you a product that will not harm the environment. By eliminating the lead content from the cables, it also eliminates the possibility of lead leaching into the ground and drinking water supplies when a cable is either direct buried or put in a duct back that is subjected to water.



Again, since it is buildings, rather than individual products, that receive LEED certification, no single company or its products can earn points on their own, but their products can contribute to LEED point attainment, in conjunction with others in the same category.





Rosendin Electric's LEED APs

Bob Green
Doug Shotwell
Erica Paul
Jeff Messana
Joe Dietrich
Joseph Leoncavallo
Justin Thomas
Ken Kaplan
Kurt Freitas
Levi Heid
Paul Stevenson
Randy Sessler
Sam Khalil
Steve Van Hagen
Tim Moore
Tom Sater
Tony Hernandez

MGM City Center Builds “Green” *(Continued from First Page)*

Rosendin Electric crews were responsible for wiring the equipment in the Central Utility Plant. This CUP supplies heating and cooling throughout the project, and is responsible for the emergency power distribution on site. And when the cogeneration system comes on line it will help supply part of the electricity needed to run the various hotels, condos, casino, restaurants, and entertainment venues. The waste heat from the generation unit will be used to heat water used by the properties guests.

Rosendin Electric management and field teams are helping the project achieve the LEED Certification in several ways, lighting control being one of the most important areas. By helping to design and then installing lighting controls which will conserve lighting and HVAC usage by integrating controls of electric and natural light, savings of energy consumption of 20-50%. Other lighting conservation techniques used are daylight harvesting, astronomical time clock scheduling, and occupant based sensing in both the podium and tower areas. In addition motorized shades on the projects help control energy use by reducing solar heat gain from the outside, and heat loss from the inside. The energy conservation techniques employed on the project were designed to achieve a reduction in energy costs of between 35-40% above the Basis of Design.

MGM Mirage is also aggressively pursuing similar practices at its other properties in Las Vegas and has made a commitment to reduce the impact on the environment. Rosendin Electric is proud to be a part of this movement.



Membership & Affiliation

Rosendin Electric has membership in and is affiliated with ...





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