



SacramentoAreaSustainableBusiness.org

Issue #25

October  
2011

## 2011 Sustainable Business Awards



Walt Gray, KCRA TV 3

September 15, 2011: Hundreds of people attended the 5th annual awards event at the downtown Tsakopoulos Library Galleria. The event was produced by the Metro Chamber, and our host was Walt Gray, KCRA TV 3 News Anchor.

Guest speakers included Phil Serna, District 1, Sacramento County Board of Supervisors; Frankie McDermott, Director of Customer Services for the Sacramento Municipal Utility District; and Martha Clark Lofgren, Interim President & CEO of the Metro

Chamber.

Congresswoman Doris Matsui appeared via video, speaking about the importance of sustainability, and presenting a certificate of recognition to the winners.

The event included a Sustainability EXPO with exhibitors from environmental and pollution prevention firms, educational institutions, and other organizations.

A special highlight of the event was a workshop on the "Plug In Vehicle Collaborative (PEVC)", presented by Julia Burrows from Valley Vision.

More news on the awards, winners, and honorable mentions continues on page 3.



## Sacramento CleanTech Showcase

### Green Innovation: Engine of Growth

Monday, October 24, 2011

8:45 am - 6:30 pm

Sacramento State University

#### Featured Speakers



Neal Dikeman  
Jane Capital LLC



Carla Peterman, Commissioner  
California Energy Commission



Brian F. Keane  
SmartPower

Call or Register online (916) 231.0770

[tiny.cc/clean-tech](http://tiny.cc/clean-tech)



## From the Editor

I want to thank all of my friends in the community, who have provided the backing to our sustainable business program since we started in 2007. It wouldn't have grown so steadily without your participation.

After 10 years with BEREC, I'm moving on and taking a new position—retirement. I'm looking forward to spending more time with my wife Marghee, our grand-children, and hobbies.

The program is in good hands, with June Livingston - REHS, and Ryan Bailey—M.P.P.A., taking over daily operations. Please give them your support and assistance.

**Duane O'Donnell, REHS**

**Sacramento Area Sustainable Business Program  
Business Environmental Resource Center (BERC)  
3200 Freedom Park Dr, Suite 100,  
McClellan, CA 95652**



## Going Green With Envirobro Radio Show

Featuring 'Envirobro' Leonard Robinson and co-host LaKenya McClough every Thursday from 10—11a.m. and Saturday morning from 8—9a.m. on Sacramento's KDEE 97.5 FM or online at:

**[www.KDEEfm.org](http://www.KDEEfm.org)**

Discuss Greening Your Business; Green Collar Jobs, Pollution Prevention; Environmental Justice; Green Chemistry and more.

KDEE is owned and operated by the California Black Chamber of Commerce.



### 2011 Awards Supporters



### Insight on Sustainable Business

The Sacramento Area Sustainable Business Program promotes businesses, organizations, and governments in the Sacramento River Watershed that adopt environmentally friendly practices and implement measures to:

- Conserve Energy
- Conserve Water
- Reduce Waste & Pollution
- Recycle and Use Recycled Products
- Implement "Green Building" Measures
- Improve Transportation & Air Quality

The SSB is operated by the Business Environmental Resource Center (BERC) and is supported by the Sacramento Regional Solid Waste Authority, the Water Forum, the Sacramento Municipal Utility District, and the Regional Water Authority.

**Sign up today. Call  
(916) 874-2100**

*Thank you to our Sustainable Business Awards Sponsors*

# 2011 Sustainable Business Awards

## 2011 Sustainable Business Award Winners

*Outstanding businesses that have taken laudable steps to conserve resources and prevent pollution*

ACWA Joint Powers Insurance Authority – Roseville  
Carson Development Co., Inc., - Sacramento  
ANOVA Nexus Architects—Placerville  
Otto Construction—Sacramento  
City of Citrus Heights Green Planning Academy  
CSUS Recreation and Wellness Center (The Well) - Sacramento  
Sacramento Municipal Utility District  
Dry Creek Joint Union Elementary School District – Roseville & Antelope  
Sacramento Municipal Utility District  
IKEA – West Sacramento  
Gloria Solar, installing contractor—Santa Clara  
Kikkoman Foods, Inc – Folsom  
Sacramento City Unified School District  
Sacramento Municipal Utility District  
Tsakopoulos Investments—Point West Corporate Plaza – Sacramento  
Lawson Mechanical Contractors—Sacramento  
United Natural Foods – Rocklin  
VSP – Rancho Cordova



## 2011 Honorable Mentions

*Recognizing businesses that have taken impressive steps to make their operations more sustainable.*

Brookfields Restaurant – Rancho Cordova      Ciocolat Café – Davis  
HMH Builders – Sacramento      INX International Ink Co. – Sacramento  
Onsite Electronics Recycling – Stockton      Paramount Equity – Roseville  
Revolution Wines – Sacramento      Sierra Nevada Brewing Co. – Chico  
Sims Recycling Solutions – Roseville      Voith Turbo, Inc. - Sacramento

## Sacramento Area Sustainable Business List

### **Antelope**

Antelope Crossing Middle School  
Antelope Meadows Elementary School  
Barrett Ranch Elementary School  
Conceptual Ventures  
Deco Lenz  
Olive Grove Elementary School  
WinCo Foods

### **Auburn**

American Home Sales  
Nella Oil  
Right Office Cleaners L.L.C.

### **Calabasas**

Oxygen Yoga Studio  
RADD Construction

### **Cameron Park**

Select Employee Home Services  
Varna Products

### **Camino**

Unique Aeriography

### **Carmichael**

Airco Commercial Services, Inc.  
Phillips 76 E85

### **Chico**

Chico Natural Foods Co-op  
Sierra Nevada Brewing Company  
Waste Management North Valley Disposal

### **Citrus Heights**

City of Citrus Heights Community Center  
Non Profit Learning Institute (Twin Oaks)  
Non Profit Learning Institute (Auburn Blvd.)  
Shell E85

### **Clarksburg**

Bogle Winery

### **Davis**

Blue Oak Energy  
Café Bernardo  
Chevron E85  
Ciocolat Extraordinary Dessert  
Cuarto Dining Commons  
Cunningham Engineering Corporation - Davis  
Davis Energy Group, Inc.  
Dos Coyotes Border Café - Covell  
Dos Coyotes Border Café - Cowell  
MAK Design+Build, Inc.  
Physical Edge  
Segundo Dining Commons  
Studio 66  
Tercero Dining Commons  
The Bo Tree  
Titanium Press  
Yolo Federal Credit Union

### **El Dorado Hills**

Mechanics Bank

Shell E85

### **Elk Grove**

Complete Performance  
Dos Coyotes Border Café  
Edward Marlow Enterprises  
Elk Grove Unified School District  
L & W Construction, Inc.  
Mechanics Bank Elk Grove  
RetroCom Energy  
Shell E85  
Two Men and A Truck

### **Fair Oaks**

SCP Solar and Green Construction  
Video Vision Marketing

### **Fairfield**

Capitol Corridor Joint Powers Authority and the BAAQMD  
Valero E85

### **Folsom**

3QC  
Back and Body Solutions  
California Independent System Operator  
Designs in Dentistry  
Dos Coyotes Border Café  
Hampton Inn & Suites Folsom  
Kikkoman Foods, Inc.  
REI Folsom  
Starbucks Coffee

### **Galt**

Andiamo  
Arco E85  
Cosumnes River Preserve

### **Gold River**

Providence Technology Group  
Shell E85

### **Granite Bay**

Advanced Home Maintenance  
LFR Inc.

### **Grass Valley**

Peaceful Valley Farm and Garden Supply

### **LaGrange**

Electro-Motive Diesel, Inc.

### **Lincoln**

Golden State Collision Center  
Eco-Chic Design

### **Loomis**

Sierra Auto Care  
SolarUniverse

### **McClellan**

Business Environmental Resource Center

## Sacramento Area Sustainable Business List

### **Nevada City**

Broad Street Inn

Velocity 7

North Highlands

Quick Quack Car Wash - Watt Ave.

Valero E85

SAFE Credit Union Corporate Office

### **Oakland**

National Rail Passenger Corp. (Amtrak)

### **Orangevale**

Golden State Collision Center

Palisades Recovery Services, Inc.

### **Oroville**

Recology Butte Colusa Counties

Berkeley Olive Grove 1913

### **Placerville**

ANOVA Nexus Architects, Inc. /

Fausel Professional Building

Bella Real Estate

### **Pleasant Grove**

Sysco Sacramento, Inc.

### **Rancho Cordova**

3D DATACOM

Allied Waste (Fitzgerald Road)

Auto-Lab Complete Car Care Center

Brookfields Restaurant

City of Rancho Cordova City Hall

Delta Dental

EHealth, Inc.

EnviroTech Services

Gamboa's Body and Frame

Lighting Science Group

RMC Water and Environment

Sierra Pacific Solar

T3 Toner LLC

Tecta America Sacramento Inc.

VSP Vision Care

Quick Quack Car Wash - Sunrise

### **Rocklin**

Bon Bon Boutique

Brower Mechanical

Engeo Incorporated

Fillner Construction, Inc.

Five Star Auto Care

Five Star Bank

Integral Networks

Mechanics Bank Rocklin

Phillips 76 E85

ReNwL Systems

Solarecity Electric

Trofholz Technologies, Inc.

United Natural Foods

### **Rocklin**

Varied Treasures

Verizon Rocklin Mobile Switch Center

### **Roseville**

ACWA Joint Powers Insurance Authority

Crossroads Trading Company

Dos Coyotes Border Café - Douglas blvd.

Dry Creek Elementary School

Dry Creek Joint Union Elementary School District HQ

Fairway Carwash - Roseville

Gamboa's Body and Frame

Golden State Collision Center

Green Planet Pizza

Hunt & Jeppson, Attorneys at Law

Intero Real Estate

Jaywalker Maintenance Solutions

Johnson Controls, Inc.

Kemper Properties

LP Consulting Engineers, Inc.

LPA, Inc

Mechanics Bank Roseville

Paramount Equity

REI Roseville

Rubicon Partners, Inc. - Roseville Office

Sims Recycling Solutions

SUNworks

The Dohemann Companies, Buildings A & B

Top Hill Farm

Quick Books Specialists

### **Sacramento**

16th Street Auto Body

A Leap Ahead IT

Addventure Properties

Aerojet General Corporation

Airsmiths Home Performance

All Business Machines, Inc. - ABMI

Always Knocking, Inc.

Analytical Environmental Services

Angels on Board

Atlas Disposal Industries

Bare Bones Industries

Bikes and Bites

Bloomberg Window Systems

Blue Cue

Café Bernardo - Midtown

Café Bernardo - R15

Cali Green Clean

California Air Resources Board

California Department of Transportation (Cal Trans)

Div of Rail

California EPA headquarters Building and

Thomas Properties Group

## Sacramento Area Sustainable Business List

### Sacramento

California Paint Recycling, Inc.  
 CalPERS  
 Camellia Waldorf School  
 Campbell Soup Company LLC  
 Carson Development Co., Inc.  
 Centro Cocina Mexicana - Paragary's  
 CGX - Eagle Press  
 Citizen Hotel  
 City of Sacramento, Dept of General Svcs Fleet Mngmt  
 COMCAST CABLE OF SACRAMENTO  
 CSUS Recreation and Wellness Center (The Well)  
 CTB/McGraw-Hill  
 Cunningham Engineering Corporation - Sacramento  
 Dos Coyotes Border Café - Arden  
 DPMG Corp.  
 DPR Construction Inc.  
 Drexel University, Center for Graduate Studies  
 Ebara Technologies, Inc.  
 Eco Logic Builders  
 Environmental Science Associates  
 Environmental Stewardship and Planning  
 Esquire Grill - Paragary's  
 Federico Beauty Institute  
 Five Star Bank  
 Flight Light, Inc.  
 Fruitridge Printing  
 Gamboa's Body and Frame  
 Glumac  
 Go Green-Buildings  
 Golden State Collision Center  
 Green Sacramento  
 Guttman & Blaevoet Consulting Engineers  
 Hands-On Executive Janitorial Services, Inc.  
 Hannibal's Catering  
 Harris & Sloan Consulting Group Inc.  
 Harris and Associates  
 Harv's Car Wash  
 HMC Architects  
 HMM Builders  
 Hot Italian  
 Hyatt Regency Sacramento Hotel  
 Internships Down Under  
 Interstate Oil Company  
 It's all Yoga  
 Kaiser Permanente - Bruceville Rd.  
 Kaiser Permanente - Morse Ave.  
 Kennedy/Jenks Consultants  
 Lighthouse Strategic Advisors  
 Los Rios Community College District  
 M+NLB - Mazzetti Nash Lipsey Burch Sacramento Office  
 Malcolm Pirnie, Inc.  
 Mechanics Bank Howe Avenue

### Sacramento

MFDB Architects, Inc.  
 Mogavero Notestine Associates  
 Monkey Bar - Paragary's  
 Mulvaney's B&L  
 One Capitol Mall - AKT Properties  
 Otto Construction  
 Paratransit, Inc.  
 Primerica  
 Propel Fuels  
 Quick Quack Car Wash - Madison Ave.  
 Quick Quack Car Wash - Northgate  
 Radisson Hotel Sacramento  
 RagingWire Enterprise Solutions  
 Red Studio Garden Design  
 REI Sacramento  
 Revolution Wines  
 Ricoh Business Solutions  
 Rubicon Partners Inc. - Sacramento Office  
 Sacramento Asian Pacific Chamber of Commerce  
 Sacramento City Hall (New Building)  
 Sacramento City Unified School District  
 Sacramento County Fleet Services Florin Road Garage  
 Sacramento County Fleet Services Marco E85ni Garage  
 Sacramento Metro Chamber  
 Sacramento Metropolitan Air Quality Management District  
 (SMAQMD)  
 Sacramento Natural Foods Co-op  
 Sacramento Recycling & Transfer Station  
 Sacramento State University - Office of Environmental  
 Health and Safety  
 Sacramento Suburban Water District  
 Sacramento Sustainability Forum  
 Sacramento Tree Foundation  
 Sacramento Valley Velocab  
 Safe Energy Association (SEA)  
 SASD - SRCSD Headquarters Building  
 Scottie's Hand Car Wash & Gas Station  
 Seismic Computer Management  
 Shell E85 - MLK Blvd.  
 Shell E85 - Florin Rd.  
 Shell E85 - Truxel  
 Shell E85 - 29th St  
 Shell E85 - Folsom Blvd  
 Smith Moore & Associates, Inc.  
 Sacramento Municipal Utility District  
 Snow Leopard Media  
 South Natomas Community Center  
 Spataro Restaurant  
 State of California Auto Dismantlers Association  
 State Street  
 Styrsky Insurance Agency  
 Sunshine's Hip Baby

## Sacramento Area Sustainable Business List

### Sacramento

Sutter Medical Center TSM Program  
Target  
TaxPro  
The Wildlife Project  
Tooley Oil  
Tsakopoulos Investments - Point West Corporate Plaza  
TTC - Corp  
United Stationers Supplies Company  
Uptown Studios  
Valero E85  
Vinh Phat Market  
Voith Turbo, Inc.  
Voyage Financial Group, Inc.  
Waste Management: Sac-Val Disposal  
AECOM  
Alainn Tu Salon and Spa  
Allied Waste (Elder Creek)  
Beals Alliance  
Breathe California of Sacramento-Emigrant Trails  
Bubba's Carwash  
Cosmo Café  
CrossRoads Trading Co.  
Dolan's Lumber & Building Materials  
Dos Coyotes Border Café - Folsom Blvd  
Firehouse Restaurant  
Give Something Back  
GNT Solutions  
Granite Construction - Bradshaw Facility  
Growing Company  
Hanson Bridgett LLP  
Hines  
Inx International Ink Company  
Katz & Associates  
Lionakis  
Lucas Public Affairs  
Lucy and Company  
Meridian Pacific Inc.  
Nature Conservancy  
Nolte Associates, Inc.  
Paragary Bar and Oven  
Sacramento Business Journal  
Sacramento Legal Video Center, Inc.  
Stantec  
State Franchise Tax Board  
Sutter Terrace Dental Group  
Valley View Sun Screens  
Valley Vision  
Volt Services Group  
Ward Associates  
Western Blue Corporation

### San Diego

Pearson Fuels

### Stockton

DMC Green

Green Home Solutions by Grupe  
Onsite Electronics Recycling

### Vacaville

Interstate Oil Company - E85

### West Sacramento

Aamco Transmissions

West Sacramento

GreenBuilt Construction

IKEA

Interstate Oil Company E85 - Channel Dr.

Interstate Oil Company E85 - Evergreen Ave.

Pennzoil Quaker State Co.

Phillips 76 E85

Raley Field

Raley's Distribution Center

River City Car Wash

Shell E85

Yolo Federal Credit Union

State Department of General Services

### Woodland

Arco E85

Diamond D General Engineering, Inc.

Energy Change Solutions

Yolo Federal Credit Union - Main St.

Yolo Federal Credit Union - Pioneer Ave.

Legislative Intent Service, Inc.

### Yuba City

Golden State Collision Center

*Add your name to this list!  
Become a Sacramento Area  
Sustainable Business in  
Three Easy Steps...*

Review the certification criteria and checklists,  
available at

[SacramentoAreaSustainableBusiness.org](http://SacramentoAreaSustainableBusiness.org)

Or

**Call (916) 874-2100 to apply**

## 2011 Sustainable Business Awards

The winners of this years Sustainable Business of the Year Award have been proactive with many environmentally friendly projects.



**ACWA Joint Powers Insurance Authority**  
**2100 Professional Drive, Roseville, CA 95667**



ACWA Joint Powers Insurance Authority, in association with Carson Development Co., Inc., ANOVA Nexus Architects and Otto Construction, remodeled a 1980's office building, incorporating laudable sustainability measures, including:

- Building is pending LEED® certification
- Replacement of HVAC systems with high efficiency units with Variable Air Volume on an EMS system,
- Energy conserving light fixtures with T8 lamps and electronic ballasts and task lighting,
- A lighting control system with individual and group adjustment available, occupancy sensors, skylighting,
- Selected window replacement with low-e glazing, low-e film on existing windows and commissioning result in an estimated energy savings of 23% better than Title 24 code requirements.
- Through plumbing fixture replacement throughout the building with low-flow fixtures, building water savings is estimated at 40.8%.
- No turf grass is used in landscaping. Groundcover and mulch are used. Carports with a cool roof were added to the parking lot.
- Bicycle storage, changing rooms with lockers and showers are available to employees and visitors,
- Preferred parking is provided for Clean Air Vehicles.
- 12% of building materials were sourced regionally.
- 92% construction waste recycling.
- 12% of building materials are recycled materials.
- 94% of the existing building walls, floor and roof were retained in the project, saving embodied energy and reducing construction waste.



# 2011 Sustainable Business Awards



## City of Citrus Heights - Green Planning Academy

6237 Fountain Square Drive Citrus Heights, CA 95621

An innovative municipal educational outreach project to raise citizen awareness and generate action related to sustainable community living.

25 residents participated in six classes during April, May and June 2011

The academy engaged local experts from SACOG, SMAQMD, a local water district and SMUD. Topics covered included:

- ✓ climate change,
- ✓ healthy communities
- ✓ sustainable transportation
- ✓ energy efficiency
- ✓ water conservation
- ✓ waste efficiency
- ✓ the Blueprint
- ✓ the Metropolitan Transportation Plan.

Participants completed assignments such as:

- ✓ trying out alternative (non-single occupant) transportation,
- ✓ computing their own "carbon footprint,"
- ✓ calculating the "walk score" of their neighborhood
- ✓ researching locally grown food.
- ✓ preparing a personal carbon reducing "action plan" as well as a "community action plan" and presenting their plans to the class.



## California State University Sacramento – Recreation & Wellness Center (The Well)

CSUS worked with the Sacramento Municipal Utility District to earn a LEED® Gold certification, utilizing state of the art sustainability innovations, such as:



SACRAMENTO  
STATE

A remarkable natural day lighting system that:

- ✓ uses a flexible and inflatable Teflon like membrane skylight.
- ✓ The non stick surface of the skylight stays cleaner than glass
- ✓ The membrane weighs only 1% of glass and has a useful life of between 50 and 200 years.
- ✓ The skylight can be inflated or deflated depending on weather conditions to reduce the building's mechanical HVAC requirements.
- ✓ The lobby floor contains recycled Heineken beer bottles embedded into the concrete to create a mosaic pattern.



As a result of these improvements that exceeded Title 24 by 20%, the campus will reduce its energy consumption by nearly 376,000 kWh annually. The annual emissions reduction of over 411,000 pounds of CO2 associated with this project is equivalent to removing over 50 passenger cars from the road per year.



6000 J St., Sacramento, CA

## 2011 Sustainable Business Awards



9707 Cook Riolo  
Road, Roseville, CA  
95747

The Dry Creek Joint  
Elementary School  
District began in 1876,

with all students in a one room schoolhouse. It has now grown to ten (10) schools, consisting of state-of-the-art elementary and middle schools, located in the suburban Roseville/Antelope area of Northern Sacramento County and Southern Placer County.

The school district, in conjunction with the Sacramento Municipal Utility District, is being recognized for their exemplary sustainability projects, such as:

- ✓ Installing PC Management Software onto 900 of its desktop computers, which automatically powers down the Districts PC's in the evenings and on weekends
- ✓ Installing virtualization software and implementing a virtualization strategy in their data center permitting it to remove 90% of their servers while maintaining the same data processing capability.
- ✓ Reduced energy costs further by making multiple lighting upgrades in five of their school campuses and the District headquarters involving the replacement of T-12 fluorescent lighting technology with more energy efficient T-8 units.

As a result of these measures, the school district reduced their energy consumption by over 400,000 kWh per year. The savings associated with these improvements will reduce CO2 emissions by 438,000 pounds of per year, the equivalent of removing 37 cars from the road.



### BERC Provides Free & Confidential Assistance to Business.

The Business Environmental Resource Center (BERC) located at 3200 Freedom Park Drive, Suite 100, McClellan, California is a one-stop, non-regulatory Permit Assistance Center to help Sacramento County Businesses understand and comply with federal, state, and local environmental regulations. BERC's assistance is free and confidential for any business located in Sacramento County. You can contact BERC at (916) 874-2100 or visit the website at [SacBERC.org](http://SacBERC.org)



### Attention Educators!

The 2011 Green California Schools Summit offers a once-a-year chance to get up to date on policy innovations, implementation best practices, and new technologies. Attend the Summit in Pasadena and learn what you can do to make your school a green leader.

Info at [Green-Technology.org](http://Green-Technology.org) or call 626-577-5700.

### 2011 Green California Schools Summit & Expo

October 17-18, Pasadena Convention Center  
300 E. Green St., Pasadena, CA 91101

## 2011 Sustainable Business Awards



700 IKEA Court, West Sacramento, CA 95605

On June 28, 2011, IKEA, one of the world's leading home furnishings retailers, plugged-in the solar energy system installed at its store in West Sacramento, California.

The 65,000-square-foot array consists of a 573-kW system, built with approximately 2,548 panels, which will provide most of the electricity needs of the local outlet.



For the development, design and installation of this customized solar power system, IKEA contracted with Gloria Solar in Santa Clara, the U.S. operating group focused on the photovoltaic business within the family of E-Ton Solar Group.

IKEA's West Sacramento's program will produce approximately 795,500 kWh of clean electricity annually – the equivalent of reducing 630 tons of carbon dioxide (CO<sub>2</sub>), eliminating the emissions of 109 cars or powering 69 homes yearly.



[www.Ikea.com/USA](http://www.Ikea.com/USA)

[www.GloriaSolar.com](http://www.GloriaSolar.com)



### Could your business use \$2,000,000?

The Sacramento Regional Recycling Market Development Zone (RMDZ) program combines recycling with economic development to fuel new businesses, expand existing ones, create jobs, and divert waste from landfills.

The RMDZ provides attractive 4% loans up to \$2,000,000, technical assistance, and free product marketing to businesses in the zone that use materials from a waste stream to manufacture their products. In addition to loans, there is free product marketing through the **RecycleStore.com** website.

The Sacramento Zone is a partnership between the California Department of Resources Recycling and Recovery (CalRecycle), the Business Environmental Resource Center (BERC), the Sacramento Regional Solid Waste Authority (SWA), and the cities of Citrus Heights, Elk Grove, Folsom, Galt, Isleton, Sacramento, and the City of West Sacramento's Enterprise Zone in Yolo County. Call 916-649-0225 for info.

## 2011 Sustainable Business Awards



**Kikkoman Foods, Inc.**  
1000 Glenn Drive,  
Folsom, CA 95630  
[www.kikkomanusa.com](http://www.kikkomanusa.com)

America's number one soy sauce producer, has installed a 106.6kW DC solar electric (photovoltaic) system at its facility in Folsom, Calif. The new system will significantly reduce the need for fossil fuel based electricity to power production and allow the company to sell solar electricity back to the grid when the facility is not in operation.

576 leadfree solder 185 watt Mitsubishi Electric solar modules were used in the installation. Mitsubishi Electric modules were chosen for their high energy output in real life conditions and their use of 100% lead-free solder.

The Kikkoman solar system was installed as a fixed carport over the employee and visitor parking lot. It serves the dual purpose of providing shade for cars while creating green energy for the company. The system is expected to produce 150,000kWh annually, saving money and reducing the amount of greenhouse gases that would otherwise be released into the environment from burning fossil fuels, with a calculated 56.7 metric ton/year reduction in CO2.

In addition to the solar project, Kikkoman has implemented additional sustainability measures such as:

- √ Utilizing a computer software program to track all the power being used by departments to evaluate and reduce usage.
- √ Shutting down all unnecessary equipment on the weekends allowing them to reduce weekend usage by approximately 40%.
- √ Instituting programs recycling 98% of waste, with waste reduction in the following areas: General paper (1.04 tons), cardboard (11.97 tons), plastic (1.46 tons), pallets, glass, aluminum cans (0.09 tons), soy cake (1,862.29 tons), soy oil (23.24 tons), batteries, fluorescent lights, and wheat chaff (20.09 tons).



SactoSustain is on Twitter



[twitter.com/SactoSustain](https://twitter.com/SactoSustain)

Join SactoSustain on "Linked in"



[tiny.cc/Sustainable-Business](http://tiny.cc/Sustainable-Business)

## 2011 Sustainable Business Awards



### 5735 47th Ave, Sacramento, CA 95824

In 2010, the Sacramento City Unified School District implemented an aggressive lighting improvement project that improved the lighting systems in fifty of the district's campuses while significantly reducing their energy and maintenance costs.

This project involved the replacement of T-12 fluorescent lamps and ballasts with more energy efficient T-8 units.

The new lighting technology reduces the school district's energy consumption by over 1,680,000 kWh per year. This is enough energy to power nearly 150 households for a full year. The annual CO2 emission reduction of 1,210,000 pounds, which is equivalent of removing over 230 cars from the road or planting 31,000 trees.



### Tsakopoulos Investments

### POINT WEST CORPORATE PLAZA

1425 & 1435  
River Park Dr.,  
Sacramento, CA  
95815

Point West Corporate Plaza, owned and operated by Tsakopoulos Investments, with the assistance of the Sacramento Municipal Utility District, recently completed an HVAC (*heating, ventilation, and air conditioning*) upgrade to their Office Campus located at 1425 and 1435 River Park Drive in Sacramento.



The project scope included replacing the existing 30 year old equipment including (2) 140 Ton chillers, a cooling tower and ( 2 ) chilled and ( 2 ) condenser water pumps for each building.

The analysis calculated an annual energy savings of 140KW and 209,245 KWH.

Additional benefits include a 5 year reductions of Carbon Dioxide totaling 1,145,616 pounds, Sulfur Dioxide reduction totaling 4,499 pounds and approximate equivalent average of removing 99 passenger cars from the roadways.



Lawson Mechanical Contractors of Sacramento was the contractor for the project.

# 2011 Sustainable Business Awards



**United Natural Foods**  
**1101 Sunset Boulevard**  
**Rocklin, CA 95765**

[www.unfi.com](http://www.unfi.com)

Implemented an extensive sustainability program that included:

- ✓ Installed 1.19 mega watt array of solar panels, approximately 4 acres on the building's rooftop, saving 1,746,517 KWH a year
- ✓ Sky Light retrofit project, saving 200,000KWH a year
- ✓ 31,000 square feet of turf removal (lawn), being replaced with bark, saving 4.36 acre feet of water a year
- ✓ Installed solar powered automatic bathroom sink fixtures and toilet flushers
- ✓ Recycles annually;
  - 336.2 tons of cardboard
  - 70.7 tons of plastic wrap
  - 7.75 tons of metal
  - 18.42 tons of white paper
- ✓ Sponsors "Employee Green Teams" to encourage sustainable ideas and innovation.
- ✓ Employee Volunteer Day: Employees restored the Johnson Spring view park in Rocklin where annual company picnic is held
- ✓ Sponsors and provides volunteers for Placer County's Creek Week
- ✓ Founding sponsor of Placer Green Business Program
- ✓ Sponsors "Let Eat Local" Food Zone at Roseville's annual Celebrate The Earth Festival and hosts organic food give-away booth



## **WANTED—Sponsors and Supporters**

We are searching for financial sponsors and supporters to underwrite our activities, and help continue providing this free service to the local business community. Sponsors can be acknowledged by placement of their name and logo on our website, on brochures and checklists, and in the quarterly newsletter. For more information, contact Ryan Bailey at **(916) 874-2100**



The **Green Cabinet** is a non-profit organization based in Roseville, CA that works within the commercial real estate industry to offer sustainability and building efficiency strategies & solutions.

Their goal is to educate the commercial industry in the private and public sectors on current trends, mandates, and companies that will get them to their sustainability goals.

The cabinet is a partner with the Sacramento Area Sustainable Business Program and will be assisting members and clients in becoming certified sustainable businesses.

[www.MyGreenCabinet.org](http://www.MyGreenCabinet.org)

## 2011 Sustainable Business Awards



**VSP Vision Care  
3333 Quality Dr  
Rancho Cordova, CA 95670**

- ✓ Installed solar powered sinks with dual flush valves & aerators
- ✓ Reduced landscape water usage 50% by installing 1,000 high efficiency sprinkler heads, water bubblers, & a Smart Controller
- ✓ Installed automatic lighting sensors in all offices and conference rooms.
- ✓ Switched out night time janitorial to day time janitorial to reduce lighting usage
- ✓ Monitors lighting usage through Synapsense and track energy usage through Energy Star
- ✓ Purchases 100% on-site off-site renewable energy through SMUD
- ✓ Sponsors an alternative transportation program with a guaranteed ride home program
- ✓ Provides preferred parking for carpoolers
- ✓ Bike lockers and showers for cyclists
- ✓ Integrated pest management, erosion control and landscape management plans.
- ✓ Uses a solar powered utility cart to transfer tools and supplies from building to building
- ✓ Sponsors the "Green Guardians", a group of employees who are passionate about sustainability and are VSP's environmental role models.



[www.vsp.com](http://www.vsp.com)



### **Congratulations to the newest Chico area Certified Sustainable Business**

Waste Management North Valley Disposal located at 2569 Scott Avenue in Chico just completed their checklists and has been certified in energy, water, pollution prevention, solid waste, and transportation & air quality. Their sus-

tainability coordinator, Leslie Evans, reports that they are currently working on the green building checklist.

Waste Management North Valley Disposal  
2569 Scott Avenue  
Chico, CA 95928

[www.northvalley.wm.com](http://www.northvalley.wm.com)

**SACRAMENTO AREA  
SUSTAINABLE BUSINESS PROGRAM  
3200 FREEDOM PARK DRIVE, SUITE 100  
MCCELLELLAN, CA 95652**

<http://www.SacramentoAreaSustainableBusiness.org>

<http://www.PlacerGreen.org>

<http://www.twitter.com/SactoSustain>

<http://www.Flick.kr/SacBERC>

<http://www.SacBERC.org>