

Acterra: Action for a Healthy Planet presents the

2011 BUSINESS ENVIRONMENTAL AWARDS



RECEPTION & AWARDS PRESENTATION

Thursday, June 2, 2011

2011 BUSINESS ENVIRONMENTAL AWARD WINNERS

ENVIRONMENTAL ENTERPRISE

Satellite Telework Centers

Small Company

GreenWaste Recovery, Inc.

Medium Company

ENVIRONMENTAL PROJECT

Los Altos School District

Living Classroom Program

Small Project

Cagwin & Dorward

Green Office (GO) Team

Medium Project

Resource Area for Teaching (RAFT)

Hands-on Education Kits

Large Project

SUSTAINABLE BUILT ENVIRONMENT

Metro Lighting

2240 San Pablo Avenue

Small Project

Humane Society Silicon Valley

Animal Community Center

Large Project

ACTERRA AWARD FOR SUSTAINABILITY

First Community Housing

Small Organization

Symantec Corporation

Large Company

PROGRAM

5:30 pm **Reception**

6:15 pm **Introductions**

Michael Closson, *Executive Director, Acterra*

6:20 pm **Welcome Address**

Bruce Klafter, *Managing Director, Corporate Responsibility and Sustainability Applied Materials, Inc.*

6:30 pm **Presentation of Awards**

Laura Tekler, *Board President, Acterra*

ABOUT THE BUSINESS ENVIRONMENTAL AWARDS

Founded in 1990, the Business Environmental Awards highlight and honor innovative programs and outstanding achievements which contribute toward a sustainable Bay Area. Since its inception, the program has recognized over 140 businesses and organizations for corporate environmental leadership. The program's goals include celebrating the accomplishments of businesses with innovative sustainable programs, recognizing leaders in the industry, and providing an educational forum that increases awareness and motivates all companies to adopt sustainable business practices.



Acterra is an environmental non-profit serving the Silicon Valley. We provide people with tangible, hands-on activities they can do to improve the environment. All of our work is solution-oriented. We offer several thousand volunteer opportunities each year for adults and youth. Because people get excited by different things, we offer a broad range of programs, from habitat restoration to carbon reduction and more. As importantly, we teach people how to become effective environmental change agents in their communities, neighborhoods, workplaces and schools. In addition to empowering thousands of people here in Silicon Valley, our programs serve as models that others can emulate elsewhere.



ACTERRA: ACTION FOR A HEALTHY PLANET

Acterra brings people together to create local solutions for a healthy planet.
www.acterra.org

AWARDS JUDGING COMMITTEE

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Cushman & Wakefield of California, Inc.,
As Agent for Adobe Systems Incorporated*

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Kirsten Flynn

Interior Designer, Sustainable Home

Kathleen Gilligan, LEED AP

Co-founder, EcoStrategy Group

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Sustainability Project Director, Luminesa

Clare Malone Prichard, LEED AP

*Licensed Architect, Stoecker and Northway
Architects, Inc.*

Elias Nacif

Corporate General Manager, Service by Medaillon

Norman D. Ploss, P.E.

Civil Engineer, New Dimensions +

Sharon Refvem, AIA, LEED AP

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Group, Hawley Peterson & Snyder Architects*

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Stanford University*

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*Regional Program Manager, Energy Upgrade
California, Ecology Action*

Kelly Shea

*Sustainable Program Manager, Global Facilities
Management, Symantec Corporation*

Linden Skjeie, M.S.

*Supervising Environmental Specialist, Sustainability
and Compliance Division, City of San Jose*

Tim Smith

Founder, All About the Future, LLC

Sally Tomlinson

*Vice Chair – Board Governance, and Secretary,
Environmental Volunteers*

Dan Wilkowsky, P.E.

Environmental Engineer, CRB Consulting Engineers

WINNER



Satellite Telework Centers

Category: Environmental Enterprise

– Small Company –

Satellite Telework Centers provide comfortable, connected workspace in town cores, for telecommuters, startups, consultants and small businesses. It is advancing the concept of remote office services by incorporating new technologies and innovative business practices that allow companies to reduce their facilities' footprint while benefitting individual workers, small towns and communities.

Satellites are strategically located in mixed use, high-density districts or neighborhoods to help foster walkable and bicycle-friendly town centers, support local merchants and encourage vibrant town cores. By providing workspace for telecommuters, Satellites help reduce gridlocked roads and resultant emissions. Unique to the industry, Satellite provides its members with 24/7 access to its facilities and an array of flexible usage options through its proprietary technology.

Satellites' green-certified facilities make use of existing buildings, pre-owned and refurbished furnishings, T8 and LED lighting, on-demand water fixtures, motion sensors on lights, low-flow toilets, sun tunnels for natural lighting, recycled content paper and recycling at every station.

Satellite's company-developed, proprietary software application can calculate each member's CO₂ emissions avoided so employers can demonstrate the savings as part of their telecommute or CO₂ reduction programs. A typical Satellite facility can reduce CO₂ emissions by up to 250 metric tons per year through avoided vehicle miles traveled.

Satellite serves as a community resource by making each facility available for use by non-profits, classes, seminars, local governments and artists for little or no charge. Additionally, Satellite has allowed military families to videoconference with loved ones overseas and has opened its facilities to evacuees during natural disasters.

Contact: Jim Graham
831-234-4337
jgraham@thesatelliteinc.com
www.thesatelliteinc.com

WINNER



GreenWaste Recovery, Inc.

Category: Environmental Enterprise

– Medium Company –

GreenWaste Recovery, Inc. (GreenWaste) owns and operates a 96,000 square foot Material Recovery Facility (MRF) in San José that processes and recycles residential and commercial trash, yard trimmings, curbside recyclables, food waste and construction and demolition debris. The MRF consistently demonstrates recovery rates of more than 98% for recyclable materials and 75% of municipal solid waste (MSW).

GreenWaste designed and constructed the MRF to divert MSW and organics when there were no diversion requirements for these materials. It is the first facility in the nation to install two side-by-side processing lines that sort both MSW and single-stream curbside recycling under the same roof. This arrangement takes advantage of both the unique and similar aspects of the two waste streams, merging clean product from both lines to maximize efficiency and increase the quantity and quality of materials recovered.

In 2009 alone, GreenWaste avoided 243,768 metric tons of CO₂ through recycling and avoided landfill disposal, which is equivalent to taking 46,516 cars off of the road for a year.

GreenWaste has opened its MRF to the public, government officials, industry professionals and even its competitors to serve as a source of information for the advancement of recycling and recovery in the waste management industry.

GreenWaste further demonstrates its environmental commitment by using biodiesel blends for most of its collection vehicles, implementing an Environmentally Preferred Procurement Program, and joining The Climate Registry in order to quantify, report and reduce its GHG emissions.

Contact: Jillian Hogan
408-938-4911
jhogan@greenwaste.com
www.greenwaste.com

WINNER



LIVING CLASSROOM

Los Altos School District Living Classroom Program

Category: Environmental Project

– Small Project –

Los Altos School District's Living Classroom Program is a series of garden-based, hands-on, inquiry-driven science, math and social studies lessons provided to K-7th grade students. In addition to helping young learners obtain a deeper understanding of key concepts through improved observation and problem-solving skills, the Program provides a strong link to the local environment and understanding of the region's varied natural communities.

Currently, the Living Classroom Program serves over 2,800 students in the District, and plans to eventually reach over 4,000 students in grades K – 8. The active nature and real-life applications of the Program have made it popular with both students and teachers alike.

Most lessons are taught by volunteer docents using on-site garden space, thus providing a “turn key” educational experience that reduces the workload on the teachers while providing knowledge that is fully integrated with existing classroom curriculum and meets California education standards.

Eagle Scouts and other community volunteers have helped build and enhance the 30-plus gardens, which include native habitat gardens, edible gardens and history gardens. Living Classroom Gardens also feature interpretive signs explaining the significance of the plants to wildlife and uses by Native Americans. Many also include elements such as bridges, creekbeds, sand pits and boulders which encourage creative play during recess and after school as an alternative to blacktop play.

The Program credits its strength and growth to its dedicated volunteers, District support, partnerships with community organizations and in-kind donations from area nurseries, garden supply centers and other local businesses.

Contact: Vicki Moore
650-965-2182
vicki_moore@sbcglobal.net
www.lasdk8.org/garden/Living_Classroom_Website

WINNER



cagwin & dorward
landscape contractors

Cagwin & Dorward Green Office (GO) Team

Category: Environmental Project

– Medium Project –

Cagwin & Dorward is a full-service landscape provider for commercial, municipal and residential customers. Established in 2006, Cagwin & Dorward's Green Office (GO) Team has used innovation, leadership, education and community outreach to create a ripple effect on Cagwin & Dorward's eco-culture.

From 2006 to 2009, the GO Team reduced Cagwin & Dorward's yearly CO₂ emissions by over 10% per year by employing virtual meetings, efficient vehicles, lighting improvements, paper reduction, office air improvements and greener carpet installation. Downsizing the company's vehicle fleet to more efficient trucks and cars, including the Toyota Prius, has saved an estimated 455,040 pounds of carbon annually.

The GO Team also restructured the company's holiday gift-giving philosophy. As a show of appreciation to its accounts, the company now donates 100,000 trees annually to the non-profit Trees for the Future, which offsets 77 – 89% of Cagwin & Dorward's total fuel use each year.

To inform and inspire its employees, GO Team members regularly share information with co-workers regarding practices such as composting, recycling and home energy efficiency. The GO Team also organizes company involvement in clean-up days, creek restorations and drought tolerant garden demonstrations.

Industry-wide, the GO Team has inspired Cagwin & Dorward to host sustainable landscaping classes, present at water symposiums and partner with stopwaste.org on Bay Area landscaping projects.

Contact: Delanie Kern
415-892-7710
delanie.kern@cagwin.com
www.cagwin.com

WINNER



Resource Area for Teaching (RAFT) Hands-on Education Kits

Category: Environmental Project

– Large Project –

Resource Area for Teaching (RAFT) is a non-profit educational organization that supplies Hands-on Education Kits to over 8,000 local teachers for use in their classrooms, summer camps and after-school programs. The Kits are comprised of surplus materials donated by local companies.

From modest beginnings, the Kits have evolved over time and now cover every topic in the California Science Standards for grades K – 8 and Math Standards for grades K-12, as well as a range of additional subjects such as reading, language, art and social studies.

To make the Kits, RAFT collects 200,000 cubic feet of material each year, much of which is diverted from landfill. The materials, which include everything from non-recyclable production scraps to foam board, carpet remnants, promotional giveaways and CD cases, are monitored and managed through a customized database.

Employees from hundreds of local companies dedicate 30,000 hours per year to help assemble the over 100 different types of Kits available at both Bay Area RAFT stores.

In addition to the subject-based knowledge provided, the Kits also serve as a model and inspiration for repurposing and minimizing waste. When students witness the creative reuse of materials, their eyes are opened to the opportunities to reuse and recycle in their own lives.

To further promote hands-on learning, RAFT has created Idea Sheets for educators outside of their service area, thus enabling them to create their own activities with readily-available, low-cost materials.

Contact: Maria Biggs
408-213-7219
mbiggs@raft.net
www.raft.net

WINNER



Metro Lighting 2240 San Pablo Avenue

Category: Sustainable Built Environment
– Small Project –

In February 2010, Metro Lighting, an Alameda County Certified Green Business, reopened its lighting fixture showroom and manufacturing facility at 2240 San Pablo Avenue in Berkeley. Metro Lighting's new locale incorporates a multitude of sustainable design materials and systems, including the use of salvaged, recycled and sustainable building materials, a 21 kWh rooftop solar array, energy efficient lighting and appliances and natural light and ventilation.

Rather than build new, husband and wife owners Lawrence Grown and Christa Rybczynski elected to renovate an existing building that had fallen into disrepair along a high traffic urban transit corridor. They saved the building's shell, recycled 90% of the construction site waste and re-used the building's existing carpeting, display cabinets, sales counters, furnishings and 90% of the demolition lumber.

The building's PV system supplies 95% of the company's electricity and since its installation in April 2010 has outperformed expectations by producing 34,183 kWh and reducing CO₂ emissions by approximately 52,750 pounds.

Whereas typical lighting showrooms feature hundreds of incandescent bulbs and consume substantial amounts of energy, Metro Lighting's energy efficiency measures have enabled it to use 20% less energy than similar commercial tenant improvement per Title 24. Metro Lighting uses CFL bulbs in over 90% of its showroom's lighting fixtures and recently introduced cutting edge LED lamps. New operable skylights and a 50% increase in window glazing have increased natural light and ventilation. An energy efficient heating system and appliances, as well as automatic faucets and dual-flush toilets in the lavatories, also help minimize energy and water use.

Contact: Christa Rybczynski
510-540-0509
christa@metrolighting.com
www.metrolighting.com

WINNER



Humane Society Silicon Valley Animal Community Center

Category: Sustainable Built Environment

– Large Project –

Humane Society Silicon Valley (HSSV) is a nonprofit animal shelter that has been serving people and pets of the Bay Area for 82 years. HSSV built and operates the 48,000 square foot Animal Community Center in Milpitas, one of the first LEED Gold certified animal community centers in the nation.

The Center's construction required the remediation of a brownfield industrial site, including the removal of freon and fluorescent ballasts and lead paint. The Center was constructed using 90% of the concrete from the original building's foundation.

In the new facility, animals are housed in individual room-like condos with 100% air exchange, thus reducing noise, upper respiratory infections and kennel cough and improving the well-being of the occupants.

HSSV's photovoltaic system provides an estimated 33% of all energy used at the Center, while strategic building placement and extensive use of windows and solar light pipes offer natural lighting to more than 75% of the building's interior space. A premium HVAC system lowers energy consumption by reusing the energy from exhausted ventilated air to heat and cool incoming air.

The Center uses artificial turf in the community dog parks and native plants in landscaping. A high efficiency kennel cleaning system uses only 2.2 gallons of water per minute, while low flow plumbing fixtures and high efficiency laundry appliances also aid in conservation. Onsite bioswales capture and cleanse rainwater run-off before it ends up in the storm drains and the Bay. Combined, these various measures have reduced HSSV's water use by approximately 30%.

Contact: Barbara Jacques
408-262-2133 x130
Barbara.jacques@hssv.org
www.hssv.org

WINNER



First Community Housing

Category: Acterra Award for Sustainability

– Small Organization –

Acterra's highest award recognizes businesses whose programs demonstrate leadership in many or all of the other award categories and encompass all three tenants of sustainability: economics, environment, and social equity.

First Community Housing (FCH) is a non-profit public benefit corporation that develops, constructs and manages multi-family affordable housing in the San Francisco Bay Area. FCH became an early adopter of green building when it established LEED certification goals in 2000. Applying an interactive design-build approach, as well as "green turnover" to update existing properties as they are vacated, FCH has been awarded four LEED Gold certifications for its developments, one of which features the area's first living roof.

In an effort to fund the sometimes more expensive sustainable materials and capture best practice, all FCH development team members collaborate from the building's concept design through the completion of construction. To contain costs FCH often constructs two or more buildings concurrently, employing the same design, engineering and construction teams.

FCH's "green turnover" of existing units includes remodeling with non-toxic materials and energy efficient appliances, installing rooftop photovoltaics and energy-efficient lighting, planting native, water-efficient landscaping and installing solar heating on swimming pools.

WINNER

In an effort to support its tenants, including seniors and developmentally disabled residents who many not drive, FCH strategically develops housing near public transit. It is the largest purchaser and provider of VTA Eco Passes in the county, which it offers its residents for free. It also provides its tenants with Green Resident Manuals which encourages them to implement their own green practices.

FCH has created a unique Sustainable Facilities Manager position to ensure the proper oversight and training of staff, as well as a green Operations and Maintenance manual to guide the maintenance, operation and replacement of the specified green products and systems at each development.

FCH shares learning and best practices through panels and presentations to other non-profit housing groups, government agencies and the architectural and building community.

Contact: Deborah McClellan
408-291-8650 x17
debm@firsthousing.org
www.firsthousing.org

WINNER



Symantec Corporation

Category: Acterra Award for Sustainability

– Large Company –

Acterra's highest award recognizes businesses whose programs demonstrate leadership in many or all of the other award categories and encompass all three tenants of sustainability: economics, environment, and social equity.

Symantec Corporation has solidly integrated and documented sustainability into its business processes and global operations through a multilayered approach including aggressive greenhouse gas reduction goals, green IT, LEED certified green buildings, dedicated green teams, and a commitment to diversity, inclusion and cultural understanding throughout their global operations.

Symantec's commitment to sustainability is evident at all levels of the company. The Board of Directors provide oversight to the company's sustainability charter and corporate social responsibility practices, CEO Enrique Salem has worked on energy reform with White House staff, senior leaders around the globe provide strategic support for sustainability initiatives, and Symantec's Green Teams provide the passion behind the company's grass-roots conservation and educational outreach achievements. Twenty-seven global Green Teams have implemented hundreds of internal and community-based programs, from energy audits to habitat restoration, tree plantings, and Earth Day activities.

Symantec's IT strategies have produced energy savings for both the company and its customers. The company increased data center efficiency by improving storage utilization rates and adopting virtualization technology to consolidate the server environment. Symantec has also saved several customers at least 20% in IT energy costs by helping them reduce their hardware and storage use.

WINNER

Symantec has made LEED certification an environmental priority and has 18 certified buildings to-date. Incorporating LEED as a framework throughout its global portfolio has enabled the company to reduce energy consumption by an estimated 11,768,464 kWh, save more than \$1,647,585.00 in energy costs, divert more than 9,708.62 tons of carbon, save more than 2,330,688 gallons of water and divert more than 8,345 tons of construction waste.

In conjunction with the above efforts, Symantec began voluntarily measuring, tracking, and reporting GHG emissions in FY08, and was able to achieve an 8% reduction in its first year.

Symantec actively promotes diversity and inclusion within its workforce and the communities it serves through programs such as Symantec's Women Action Network (SWAN), which promotes the representation of women in various functions, with the current goal of increasing women in leadership positions to 27%.

In FY10, Symantec donated more than \$22 million in cash and software to schools, non-profits and local communities.

Contact: Kelly Shea
408- 218-7867
Kelly_Shea@symantec.com
www.symantec.com

BUSINESS ENVIRONMENTAL AWARDS ADVISORY COMMITTEE

Laura Tekler
Awards Chair

Steve Attinger
Environmental Sustainability Coordinator, City of Mountain View

Carol Berg
Environmental Specialist

Phil Bobel
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Executive Director, Acterra

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CEO, Earth Bound Homes

Alex Haedrich, MBA, CSP, CHMM, CLCS, LEED-GA
Associate Director, EHS & Security, DURECT Corporation

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PARTNERSHIP OPPORTUNITIES

We encourage our business community members to stay involved with Acterra beyond the Business Environmental Awards. We hope you will consider these additional partnership opportunities:

***Be the Change* Environmental Leadership Program**

Encourage your staff/colleagues to be environmental leaders by participating in our *Be the Change* Environmental Leadership Program. Through monthly seminars, workshops, student projects, panel discussions and field trips, the program builds awareness and skills that enable people to act within the organizations where they work, live, worship and play. Applications are now being accepted for the 2011 - 2012 class that runs from September to June. Contact Program Director Rebecca Araiz Iverson at 650-922-1787 or rebeccaai@acterra.org.

Green@Home

Educate yourself and your colleagues on home energy efficiency. Acterra's Green@Home program addresses climate change by reducing residential energy use and thus CO₂ emissions. Volunteers perform simple energy savings upgrades in participating homes and educate residents on home energy efficiency. Green@Home currently conducts HouseCalls in Cupertino, Menlo Park, Palo Alto, Redwood City, Mountain View and Sunnyvale. To schedule a HouseCall in one of these areas, please visit our website at www.acterra.org/greenathome or call 650-962-9876 x 350. To become a HouseCall Volunteer, contact Deb Kramer at greenathometraining@acterra.org or 650-962-9876 x 353.

Acterra Stewardship Company Workdays

"Green" your next team building workday by arranging a group restoration/education day for your staff. Help enhance wildlife habitat by removing invasive exotics and installing native plants while promoting outdoor activity and volunteerism within your company. Groups that plan on returning several times can also "Adopt-a-Plot." Contact Acterra Stewardship Program Director Alex Von Feldt at alexv@acterra.org.

Business Environmental Awards

Continue your involvement with the Business Environmental Awards in these areas:

Sponsorship – Your company's financial support enables Acterra to promote and encourage environmental leadership within the Bay Area business community.

Judging – Join environmental professionals from the business, government and nonprofit sectors in reviewing applications and identifying award recipients.

Outreach – Help identify leaders in corporate environmentalism and encourage them to apply for a Business Environmental Award in future years.

For more information about the Business Environmental Awards contact Ariane Erickson, Program Director, at 650-561-4711 or awards@acterra.org.

GOING CARBON NEUTRAL

Acterra took the following actions to make the 2011 Business Environmental Awards Reception a carbon neutral event:

Reducing emissions

- Invitation and program were printed on 100% recycled paper
- Reception food and beverages were served on washable service ware
- Food waste was composted
- Paper products were recycled, name badges were collected for reuse
- Award plaques were made from FSC-certified bamboo
- Attendees were encouraged to carpool
- Living floral arrangements, grown from Acterra's Native Plant Nursery, were given to guests at the conclusion of the event

Offsetting emissions

- Guest Transportation: 2979 Lbs of CO₂
- Facility Use: 165 Lbs of CO₂
- Food: 450 Lbs of CO₂
- Food Transport: 202 Lbs of CO₂
- Food Preparation: 410 Lbs of CO₂

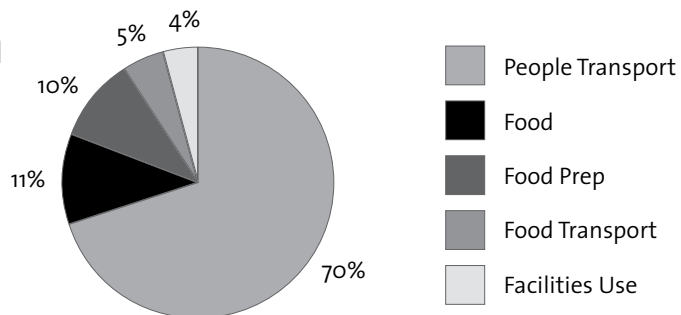
Assumptions:

- 250 people, 2.5 per car, from various points, average of 30 MPG
- One day's worth of CO₂ from comparable facility utility bill
- CO₂ from foods based on our menu and www.eatlowcarbon.org
- Food from 3 sources within 200 miles (200 Lbs of food driven 600 miles by diesel truck)
- Estimated energy used to prepare food

Acterra purchased renewable energy certificates to offset the carbon emissions produced by the above sources. This equaled 4205 Lbs of CO₂ for the event or 2.1 tons of CO₂ which is equivalent to planting 168 trees or taking 0.4 cars off the road for a year. Resulting cost to offset the dinner = \$31.54.

For more information on how to minimize the carbon footprint of your next event, download a copy of StopWaste's Special Event Best Practices Guide at <http://www.stopwaste.org/docs/specialevents-swp.pdf>

Business Environmental Awards CO₂ Emissions Accounting



SPONSORS

PLATINUM



Environmental Services



GOLD



SILVER



BRONZE

CITY OF PALO ALTO • EARTH BOUND HOMES • GREENERPRINTER
SOUTH BAYSIDE WASTE MANAGEMENT AUTHORITY • WEBCOR BUILDERS

EVENT

CLEANTECH OPEN • FINELITE, INC. • PSC ENVIRONMENTAL SERVICES • SUSTAINABLE STANFORD

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WWW.BACIPIX.COM

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