

Advancing Sustainability Through Local Leadership, Recognition & Networking

2013 Green California Summit

April 18, 2013

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LEAGUE
OF CALIFORNIA
CITIES

www.ca-ilg.org

ILG



About ILG

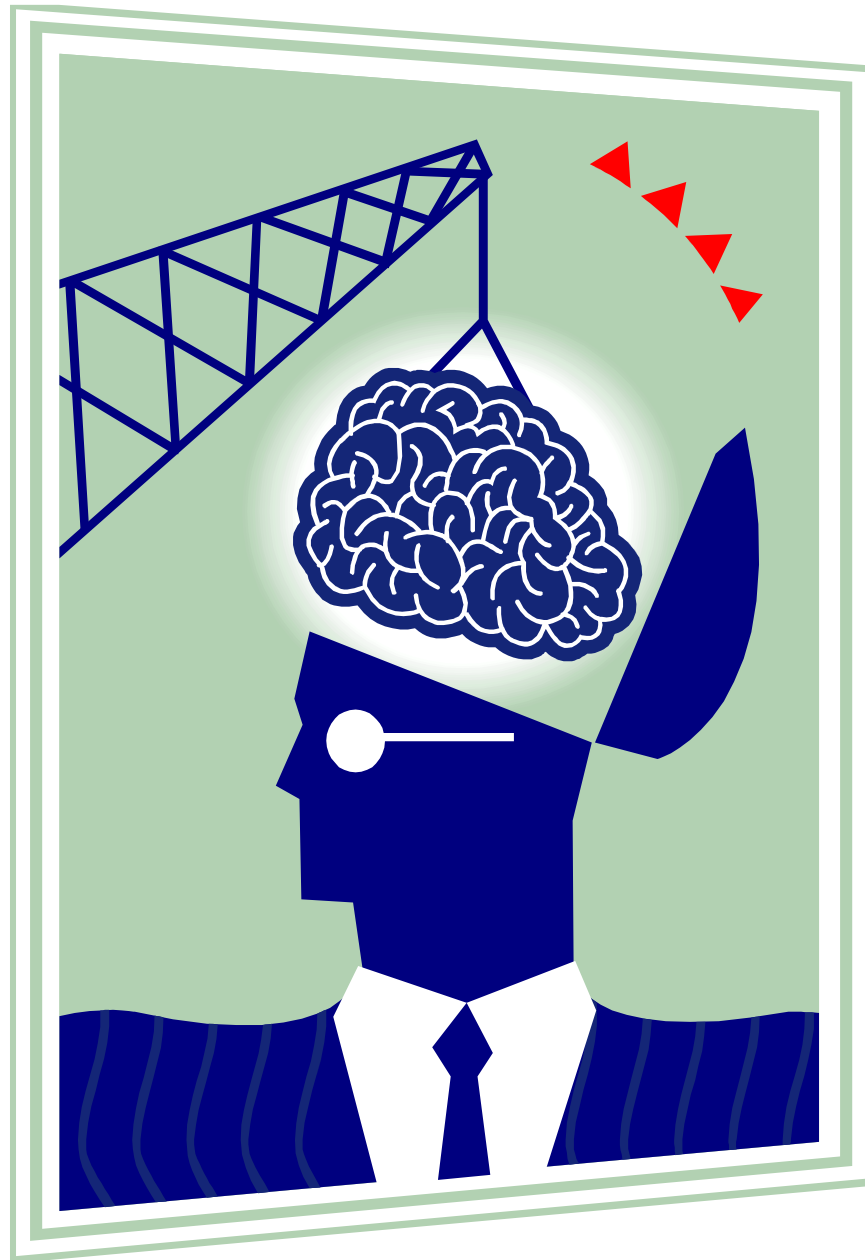
Promote good government at the local level.

Provide practical, impartial and easy-to-use resources.





ILG's Sustainability Program helps local officials identify and apply policies and best practices that support sustainable communities — places that foster and maintain a high quality of life for their residents on an ongoing basis.





Sustainability Best Practices Framework



About ILG's Sustainability Program

The Institute's Sustainable Communities program helps local officials and staff identify and apply policies and best practices that support sustainable communities — places that foster and maintain a high quality of life for their residents on an ongoing basis. www.ca-ilg.org/Sustainability

Sustainability Best Practices Framework: Options to Consider

The Institute for Local Government's Sustainability Best Practices Framework offers options for local action in ten areas. They are drawn from practical experiences of cities and counties throughout California. The options vary in complexity and are adaptable to fit the unique needs and circumstances of individual communities. www.ca-ilg.org/SustainabilityBestPractices

Local officials and staff may use the framework in a variety of ways, including to:

- Generate ideas about programs and policies to pursue;
- Inform a comprehensive climate action planning process; or
- Integrate sustainability into general plan policies.

Many of the activities can lead to multiple benefits, including:

- Reduced greenhouse gas emissions;
- Energy, water, fuel and cost savings;
- Improved health; and
- Increased resilience to climate change impacts.



Activities and policies to conserve energy and use it more efficiently in agency facilities and the community save natural resources and money and help reduce greenhouse gas emissions.

Tip: Evaluate agency electric bills to ensure each account is on the optimal rate schedule

For other energy related best practices: see Green Building Area

Energy Efficiency & Conservation

Options to Consider

Agency

Audits and Assessment

- Audit energy use of agency buildings to identify opportunities for energy savings through efficiency and conservation measures.
- Use energy management software to monitor real-time energy use in agency buildings to identify energy usage patterns and abnormalities.
- Conduct commissioning and retro-commissioning studies of major agency buildings, including equipment such as HVAC and lighting systems to ensure they are operating as designed and installed.

Internal Policies and Procedures

- Establish an energy efficiency and conservation policy that provides employees with behavioral guidelines for energy efficient use of the facility such as turning lights, copiers and computers off, appropriate thermostat use, etc.
- Establish energy efficiency and conservation protocols for building custodial and cleaning services and other contract employees.
- Adopt and implement a policy to reduce "plug" load in agency facilities by removing personal equipment such as desk lamps and space heaters.
- Implement off-peak scheduling of pumps, motors, and other energy intensive machinery where possible.
- Develop and implement shading requirements for agency buildings and other facilities.
- Implement a network cloud-computer system to reduce computer work station energy use.
- Incorporate energy efficiency features in agency data centers, such as through implementation of an Information Technology energy efficiency program.
- Adopt Energy Star purchasing standards for all new computer equipment,



How to Harness the Power of Your Community to Address Climate Change



Water Conservation Leadership Guide:

Issues for Local Officials to Consider

What's Inside:

Key water conservation options for local agency



Understanding SB 375:

Regional Planning for Transportation, Housing and the Environment

THE NAME GAME:
HOUSING-RELATED ACRONYMS
AND TERMS



INSTITUTE FOR LOCAL GOVERNMENT

INSTITUTE FOR LOCAL GOVERNMENT

LAND USE AND ENVIRONMENT PROGRAM
PUBLIC ENGAGEMENT AND COLLABORATIVE GOVERNANCE PROGRAM

UNDERSTANDING THE BASICS OF

LAND USE AND PLANNING

Guide to Local Planning

INSTITUTE FOR LOCAL GOVERNMENT

Sustainability Resource Centers

- SB 375
- Commercial Recycling
- Financing Sustainability
- Greening Agency Fleets
- Insuring Kids' Health
- Safe Routes to School



WESTERN *City* MAGAZINE



Spotlighting Energy Efficiency in California Communities

BY LINDSAY BUCKLEY



Lindsay Buckley is a program coordinator for the Institute for Local Government.

As California's communities seek ways to maximize resources in economically challenging times, energy efficiency offers a number of money-saving advantages. Cities and counties are making great strides in reducing energy use at agency

facilities through traditional building audits and retrofits. At the same time, they are advancing community energy efficiency through collaboration and outreach activities. Other strategies, such as policies and long-range planning, also support these efforts.

The Beacon Award program (www.ca-ilg.org/BeaconAward), sponsored by the Institute for Local Government and the Statewide Energy Efficiency Collaborative (www.californiaseec.org), recognizes cities and counties in California that reduce greenhouse gas emissions, save energy and adopt sustainability policies and programs. Information from program participants demonstrates leadership in several areas of energy efficiency — in agency facilities, the local community, policy initiatives and planning.

Energy Efficiency in Agency Facilities

Local agencies set an example of fiscal and environmental stewardship by addressing energy efficiency in facilities. The U.S. Environmental Protection Agency estimates that energy savings of 35 percent are possible for many existing buildings. According to the U.S. Department of Energy, energy costs can account for as much as 10 percent of an agency's operations budget. Local agencies have tremendous opportunities to save money by reducing energy use through building audits and retrofits, as the following examples illustrate.

Case Stories: Highlighting Local Leadership

SUSTAINABILITY CASE STORY

The Little City of Hughson Makes a Big Statement in the Central Valley

Community: Stanislaus County
Population: 6,651

Summary

The City of Hughson is taking dramatic steps to secure a future of sustainable economic prosperity by building upon the key component of its local economy – agriculture.



Courtesy City of Hughson

In January of 2013, the city adopted a farmland preservation program that requires the permanent preservation of two acres of farmland for every one acre of land that is converted for residential use. Hughson's farmland preservation program is one of the most ambitious in the state of California, rivaling that of the City of Davis. The 2:1 ratio seeks to promote the city's culture, farming heritage, environmental stewardship and sustainable economic development.

Program Highlights

Simi Valley: Implementation in Stages

Smart Irrigation Technology Stories

Population: 126,000

County: Ventura

Program Highlights

- Simi Valley includes a wide variety of landscapes from flat to steep hillsides.
- The city installed two types of weather-based irrigation controllers, electric and battery powered, because of limited electric power availability at some older street medians.
- Installing the smart irrigation system required upgrading the city's older irrigation system. Improvements included fixing unexpected breaks, rerouting irrigation pipes, and upgrading electrical systems to provide grounding for newer technology. This resulted in additional costs to complete the overall smart irrigation project.
- Simi Valley used in-house staff to install the smart irrigation controller system.

The Rest of the Story...

Simi Valley is a median size city located in the southeast portion of Ventura County, near the Los Angeles County line. The City's Landscape Maintenance District is responsible for watering 142 acres of landscaped area within the city and is funded through landscape benefit assessments.¹ Landscape and yard irrigation accounts for two thirds of the City's total water use. Thus, Simi Valley started converting to smart irrigation technology to save water and money in 2007. As of 2011, approximately 70 percent of the irrigation controllers in the city are "smart."

The smart irrigation controllers in Simi Valley are connected to a central computer system. Converting to the new technology increased effective management of the City's more than 250

PUBLIC ENGAGEMENT CASE STORY

City of Pleasanton – Reducing Greenhouse Gas Emissions in Pleasanton

Developing a Climate Action Plan

Community: City of Pleasanton in Alameda County
Population: 70, 285

Summary



City of Pleasanton residents engaged in the development of a Climate Action Plan.

When representatives of Pleasanton, a city in the San Francisco Bay Area, recognized a need to reduce the city's greenhouse gas emissions, including greenhouse gases generated in the community, they were aware that the city's residents had differing views about climate change: some believe it is a real problem, others do not.

They immediately saw a need to adapt their approach to increase community engagement and explore new ways to work with the public. The city adopted several creative approaches to respond to concerns expressed. The approach and new programs adopted ultimately led to support for the Climate Action Plan from virtually all those who had initially opposed it.

Program Highlights

- As a way to respond to concerns expressed about the city's proposed Climate Action Plan by the community, the city reached out to the Bay East Association of Realtors, the Economic Vitality Committee, and the local Chamber of Commerce by attending their Tri-Valley meetings and then hosting



Sustainable Communities Learning Network



Learn. Share. Connect. Lead.

Join the Conversation



www.ca-ilg.org/SCLN



**Local Leadership Toward
Solving Climate Change**

Statewide Energy Efficiency Collaborative

AN ALLIANCE TO SUPPORT LOCAL GOVERNMENT



Statewide Energy Efficiency Collaborative

AN ALLIANCE TO SUPPORT LOCAL GOVERNMENT

SEEC provides free technical trainings and resources to help California local governments save energy, costs and reduce greenhouse gas emissions.


3rd Annual Statewide Energy Efficiency Best Practices Forum

Thursday, July 19
8:30 a.m. - 4:30 p.m.
Crowne Plaza Hotel-LAX • Los Angeles, CA

A Full Day of Exciting Ideas and the Latest News. The day-long forum will feature several topics including energy savings programs, state updates and best practices for reducing energy use and greenhouse gases in your community.


California Public Utilities Commission, California Energy Commission and California Air Resources Board representatives will discuss state programs and regulations that affect local governments, including Energy Upgrade California, AB 758 (Summary) - Energy Efficiency in Existing Buildings, CEC's Renewable Planning and on-fairing opportunity.

Invited keynote speakers:
CARB Chair Mary Nichols
Ken Alex and CPUC's
The Forum also features
to discuss from 8:30 a.m.



Communicating Energy Projects: Getting the Buy-In of Your Community & Elected Officials

Webcast
August 23, 2012
2:00-3:00PM



Local Government Commission

Space is limited
The forum is FREE to utilities, CEC, CARB. The registration deadline is July 7 to confirm if you represent a city or county. If you represent a city or county, please contact Melissa Harp, melissa.harper@seec.org, to be added to the wait list by July 7 to confirm if you represent a city or county. ■ Hotel Accommodations: The hotel room rate for the group rate is just reservation, call (110) 4. The hotel is one mile. If you are driving, a discount is available. **Register online by**

ICLEI Community Greenhouse Gas Emissions Inventory Instructions



Part 3: Community Inventory Manual
March 2011

Measuring and Reporting Progress in Reducing GHG Emissions



Climate Mitigation for Local Governments Milestone Five
March 2012

BEACON AWARD

Local Leadership Toward Solving Climate Change

Beacon Award:

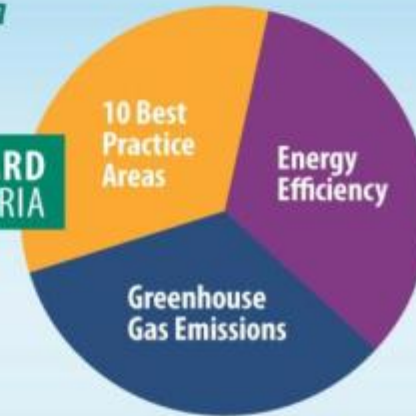
Local Leadership Toward Solving Climate Change



Local Leadership Toward
Solving Climate Change

*Recognizing California
Cities and Counties*

**BEACON AWARD
CRITERIA**



Join These Leading Communities Achieving Local Sustainability

CURRENT BEACON AWARD PARTICIPANTS As of March 2013

Apple Valley	Manhattan Beach	Santa Clarita
Arcata	Palm Springs	Santa Cruz
Beaumont	Palo Alto	Santa Monica
Benicia	Pleasanton	Simi Valley
Chula Vista	Rancho Cucamonga	Sonoma County
Citrus Heights	Riverside	South Gate
Davis	Rolling Hills Estates	Taft
Delano	Sacramento	Tulare
El Cerrito	San Carlos	Union City
Glendale	San Diego County	Ventura
Hayward	San Rafael	West Sacramento
La Mesa	San Ramon	Woodland
Livermore	Santa Barbara	Yolo County

Becoming a Participant

Complete a simple online application.
Applications accepted continuously.
Learn more at:

www.ca-ilg.org/BeaconAward

Redlands	San Luis Obispo County
West Covina	Pittsburg
Brea	Santa Rosa



How to Participate



Local Leadership Toward
Solving Climate Change

Complete Simple Online Application


- Contact Person
- Status of Greenhouse Gas Inventory & Climate Action Plans (Agency & Community)
- Compliance with AB 939


Adopt a Resolution


- Sample resolution & staff report available


www.ca-ilg.org/BeaconAward


Participant Profiles


 SEACON AWARD PARTICIPANT PROFILE
Town of Apple Valley
[Read more](#)


 SEACON AWARD PARTICIPANT PROFILE
City of Arroyo
[Read more](#)

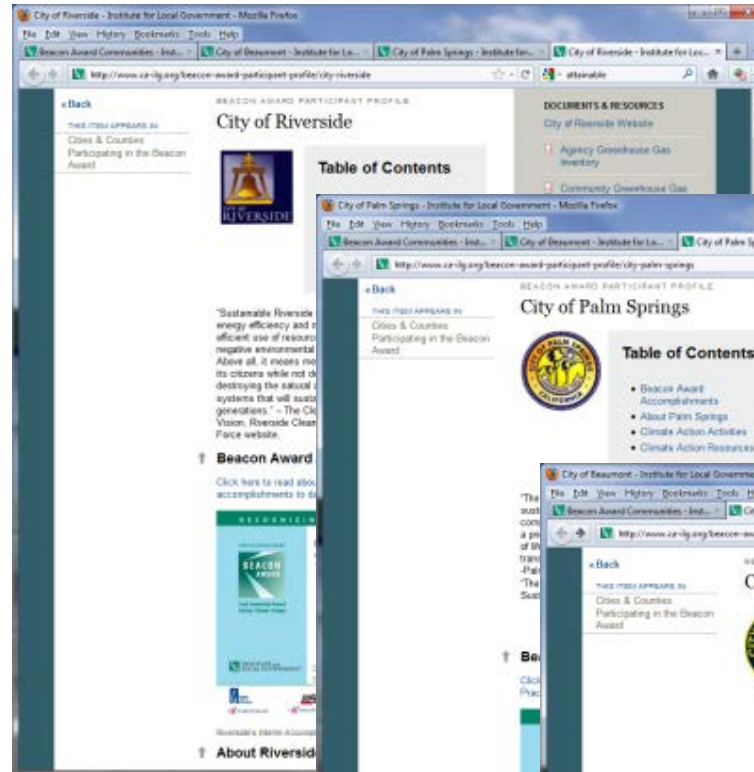
 SEACON AWARD PARTICIPANT PROFILE
City of Beaumont
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 SEACON AWARD PARTICIPANT PROFILE
City of Benitoia
[Read more](#)

 SEACON AWARD PARTICIPANT PROFILE
City of Brea
[Read more](#)

 SEACON AWARD PARTICIPANT PROFILE
City of Chula Vista
Brendan Reed
[Read more](#)

 SEACON AWARD PARTICIPANT PROFILE
City of Citrus Heights
[Read more](#)



City of Riverside - Institute for Local Government - Mozilla Firefox
http://www.ci.riverside.ca.gov/beamcon-award-participant-profile/city-riverside

SEACON AWARD PARTICIPANT PROFILE
City of Riverside

THIS PROFILE APPEARS IN:
Cities & Counties Participating in the Beacon Award

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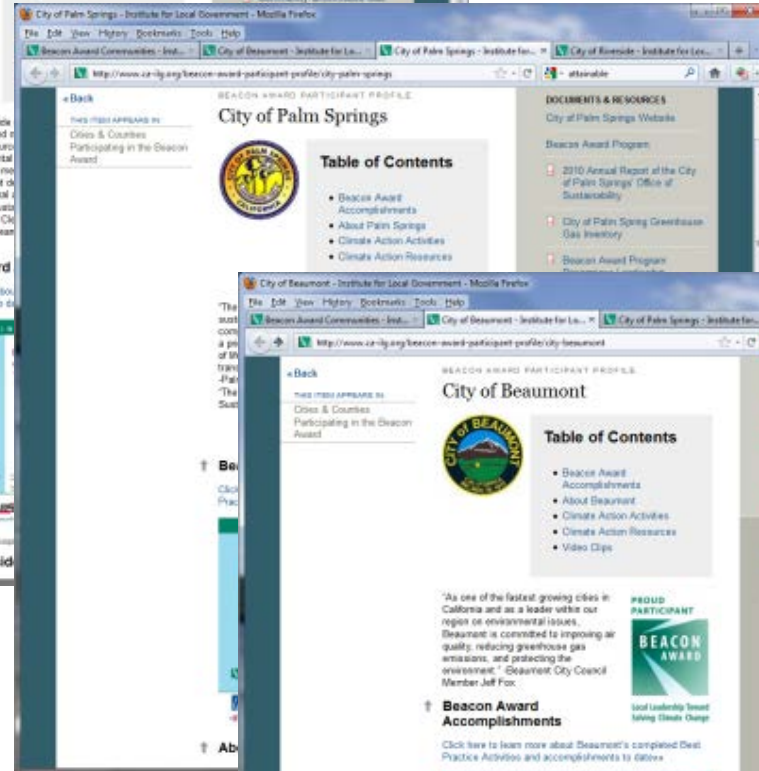
- Beacon Award Accomplishments
- About Riverside
- Climate Action Activities
- Climate Action Resources

DOCUMENTS & RESOURCES
City of Riverside Website
Agency Greenhouse Gas Inventory
Community Greenhouse Gas

"Sustainable Riverside: energy efficiency and efficient use of resources negative environmental. Above all, it means no its citizens while not destroying the natural systems that will sustain generations." - The City Vision, Riverside Clean Face website.

Beacon Award

Click here to read about accomplishments to date



City of Palm Springs - Institute for Local Government - Mozilla Firefox
http://www.ci.palmsprings.ca.gov/beamcon-award-participant-profile/city-palm-springs

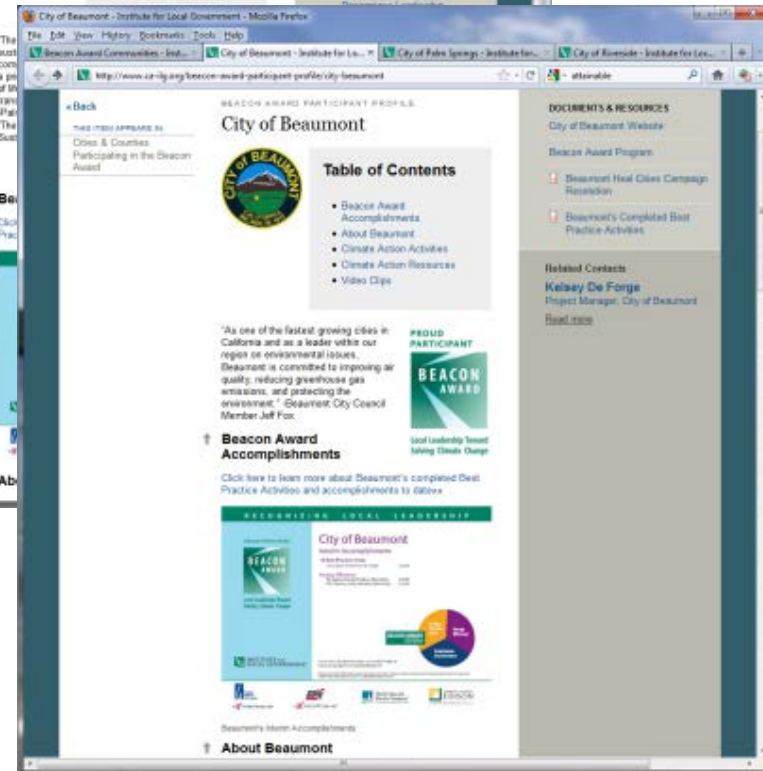
SEACON AWARD PARTICIPANT PROFILE
City of Palm Springs

THIS PROFILE APPEARS IN:
Cities & Counties Participating in the Beacon Award

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- Beacon Award Accomplishments
- About Palm Springs
- Climate Action Activities
- Climate Action Resources

DOCUMENTS & RESOURCES
City of Palm Springs Website
Beacon Award Program
2010 Annual Report of the City of Palm Springs' Office of Sustainability
City of Palm Springs Greenhouse Gas Inventory
Beacon Award Program Development Guidelines



City of Beaumont - Institute for Local Government - Mozilla Firefox
http://www.ci.beaumont.ca.gov/beamcon-award-participant-profile/city-beaumont

SEACON AWARD PARTICIPANT PROFILE
City of Beaumont

THIS PROFILE APPEARS IN:
Cities & Counties Participating in the Beacon Award

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- Beacon Award Accomplishments
- About Beaumont
- Climate Action Activities
- Climate Action Resources
- Video Clips

DOCUMENTS & RESOURCES
City of Beaumont Website
Beacon Award Program
Beaumont Heat Olive Carriage Restoration
Beaumont's Completed Best Practice Activities

Related Contacts
Kelsey De Forge
Project Manager, City of Beaumont
[Read more](#)

"As one of the fastest growing cities in California and as a leader within our region on environmental issues, Beaumont is committed to improving air quality, reducing greenhouse gas emissions, and protecting the environment." - Beaumont, City Council Member Jeff Fox.

Beacon Award Accomplishments

Click here to learn more about Beaumont's completed Best Practice Activities and accomplishments to date

RECOGNIZING LOCAL LEADERSHIP
City of Beaumont
Beaumont's 2010
Beaumont's 2010
Beaumont's 2010

Beaumont's 2010 Accomplishments

About Beaumont

Participant Recognition

Video Interviews

Beacon Award: Local Leadership Toward Solving Climate Change

How to Participate in the Beacon Award
Cities & Counties Participating in the Beacon Award
Participant Accomplishments
Beacon Award Program Champions
Participants in the News
Beacon Award Videos
Beacon Award Program Updates

Beacon Award Videos

View video clips featuring elected officials and staff from Beacon Award participating communities discussing sustainability and climate action at the local level.

Beacon Award Testimonials
October 2010-December 2012
Hear what participants are saying about the Beacon Award program.
[Read more](#)

Voices of Sustainability Leadership
September 25 12
Watch this short video to hear elected officials and staff from Beacon Award communities discuss the importance of sustainability at the local level.
[Read more](#)

Spotlight on Sustainability Leadership in Chula Vista
December 20 12
Watch this short video to hear Chula Vista officials discuss the City's ongoing efforts to save energy, reduce greenhouse gas emissions and address sustainability in their community.
[Read more](#)

Western City Magazine

Join These Leading Communities Achieving Local Sustainability

Learn more at www.inr.org/BeaconAward (password: beaconaward)

San Jose, Santa Clara County
San Jose, Santa Clara County
San Jose, Santa Clara County
San Jose, Santa Clara County

San Rafael, Marin County
San Rafael, Marin County
San Rafael, Marin County
San Rafael, Marin County

San Diego, San Diego County
San Diego, San Diego County
San Diego, San Diego County
San Diego, San Diego County

San Francisco, San Francisco County
San Francisco, San Francisco County
San Francisco, San Francisco County
San Francisco, San Francisco County

San Mateo, San Mateo County
San Mateo, San Mateo County
San Mateo, San Mateo County
San Mateo, San Mateo County

San Francisco Bay Area
San Francisco Bay Area
San Francisco Bay Area
San Francisco Bay Area

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Beacon Award: Local Leadership Toward Solving Climate Change

Recognizing California Cities and Counties

Join These Leading Communities Achieving Local Sustainability

LEADER BY BEACON AWARD PARTICIPANTS by award year:

Year	San Francisco Bay Area	San Diego	San Jose	San Francisco	San Mateo
2010	San Jose	San Diego	San Francisco	San Francisco	San Mateo
2011	San Jose	San Diego	San Francisco	San Francisco	San Mateo
2012	San Jose	San Diego	San Francisco	San Francisco	San Mateo

Becoming a Participant
Complete a single online application.
Application: www.inr.org/BeaconAward

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League, CSAC & Other Meetings



Winning A Beacon Award



- Silver, Gold and Platinum Beacon Award levels.
- Awards given to agencies that reach specific measurable achievements:
 - Reductions in greenhouse gas emissions;
 - Energy savings through energy efficiency retrofits;
 - Undertake activities in best practice areas.



Participants receive recognition when they complete the award level criteria.

BEACON AWARD CRITERIA



Silver Beacon Award

Agency facilities and operations	
Greenhouse gas reduction	5% in agency facilities and operations
Electricity and natural gas savings	5% in agency facilities and operations from energy efficiency retrofits
Community	
Greenhouse gas reduction	5% in the community as a whole
Energy efficiency	One activity that promotes energy efficiency in the community
Best Practice Areas	One activity in each of the 10 Best Practice Areas

Gold Beacon Award

Agency facilities and operations	
Greenhouse gas reduction	10% in agency facilities and operations
Electricity and natural gas savings	10% in agency facilities and operations from energy
Community	
Greenhouse gas reduction	10% in the community as a whole
Energy efficiency	Two activities that promote energy efficiency in the community
Best Practice Areas	Two activities in each of the 10 Best Practice Areas

Platinum Beacon Award

Agency facilities and operations	
Greenhouse gas reduction	20% in agency facilities and operations
Electricity and natural gas savings	20% in agency facilities and operations from energy efficiency retrofits
Community	
Greenhouse gas reduction	20% in the community as a whole
Energy efficiency	Four activities that promote energy efficiency in the community
Best Practice Areas	Three activities in each of the 10 Best Practice Areas

For more about Best Practice Areas, see www.ca-ilg.org/ClimatePractices.

Winning a Beacon Award Takes Time

It's a Journey...



Beacon Spotlight Awards

- 10 Best Practice Areas
- Energy Efficiency
- Greenhouse Gas Emissions Reductions



Beacon Award:



Local Leadership Toward
Solving Climate Change

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Cities and Counties*

**BEACON AWARD
CRITERIA**



Spotlighting Energy Efficiency Savings in Agency Facilities

Arcata

12% Electricity Savings

Beaumont

17% Electricity Savings

Benicia

12% Electricity Savings
8% Natural Gas Savings

Brea

30% Electricity Savings

Chula Vista

15% Electricity Savings
30% Natural Gas Savings

El Cerrito

14% Electricity Savings

Hayward

10% Electricity Savings

Livermore

8% Electricity Savings

Manhattan Beach

26% Electricity Savings

Palm Springs

9% Electricity Savings

Redlands

5% Electricity Savings

San Rafael

5% Electricity Savings

Santa Clarita

26% Electricity Savings

Simi Valley

5% Electricity Savings

Sonoma County

10% Electricity Savings

South Gate

12% Electricity Savings

Tulare

16% Electricity Savings

Union City

11% Electricity Savings

Ventura

11% Electricity Savings

West Covina

22% Electricity Savings

Learn more at: www.ca-ilg.org/BeaconAward/ParticipantAccomplishments

For a complete list of Beacon Award Program participants, please visit: www.ca-ilg.org/BeaconAward/Participants

Beacon Spotlight Awards

Greenhouse Gas Reductions



13% Agency Reduction
(2005 Baseline)



12% Agency Reduction
(2005 Baseline)



5% Community Reduction
(2004 Baseline)



29% Agency Reduction
(2000 Baseline, reductions
in transportation and
energy sectors)



10% Agency Reduction
(2005 Baseline)



5% Reduction in the
Community & 10%
Agency Reduction
(2005 Baseline)

Beacon Spotlight Awards

Activities in ILG's 10 Best Practice Areas



Apple Valley

Palo Alto

Santa Barbara

Beaumont

Pleasanton

Santa Clarita

Benicia

Rancho Cucamonga

Santa Monica

Chula Vista

Redlands

Simi Valley

Glendale

Riverside

Sonoma County

La Mesa

Sacramento

Tulare

Manhattan Beach

San Diego County

Union City

Palm Springs

San Rafael

West Sacramento

City of Simi Valley

LEED Gold Transit Maintenance Facility

Project Cost: \$2.4 million
25% energy savings
42% water savings

Sells approximately 700 therms
of Compressed Natural Gas
monthly to:

- City of Moorpark
- Local Waste Management
Co.



City of Tulare

Fuel Cells at Wastewater Treatment Plant

Project Cost: \$9.39 million

Incentives Received: \$4.95 million

System generates 1.2 megawatts of energy annually

Savings: About \$3,500/day or \$1.2 million annually

GHG: 6,200 tons annually
Equivalent of taking about 1,180 passenger vehicles off the road.



City of Palm Springs

Lawn Buy-Back Program

Water Reduction: 435,000 to 2,700,000 gallons

Annual Energy Reduction: 4,833 to 29,997 kWh

GHG Reduction: 1.5 to 9 metric tons

Before



After



City of Beaumont

Delamping A City Baseball Field

Project Cost: \$8,500

Energy Savings: 5,100 kwh
Cost Savings: \$375 annual
GHG Reduction: 3.6 metric
Tons



Other Agencies Making a Difference

Chula Vista



Santa Barbara



Sonoma County

Vermiculture Composting



Green Purchasing



Knowledge Sharing Session

- Choose a topic you know something about or want to know more about:
 - Land Use, Transportation & SB 375
 - Energy Efficiency, Renewables & Low-Carbon Fuels
 - Climate Action Planning Implementation & Financing
 - Communicating Sustainability & Public Engagement Strategies
- Arrange into groups and share brief stories or anecdotes about your experience and ask questions of the topic: the good, the bad, or the ugly.



Program Contacts



Local Leadership Toward
Solving Climate Change

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