

# AGENDA

## GREEN RIBBON ENVIRONMENTAL COMMITTEE MEETING

November 13, 2014

4:30 p.m.

University Community Park  
1 Beech Tree Lane  
Irvine, CA 92612

---

**Speaker's Card/Request to Speak:** If you would like to address the Committee on a scheduled agenda item, please complete the [Request to Speak Form](#). Please identify on the card your name, address (optional), and the item on which you would like to speak and return to the Recording Secretary. The [Request to Speak Form](#) assists the Chair in ensuring that all persons wishing to address the Committee are recognized. Your name will be called at the time the matter is heard by the Committee. City policy is to limit public testimony to three minutes per speaker (unless extended by the Chair) which includes the presentation of electronic or audio visual information.

---

### CALL TO ORDER

A regular meeting of the Green Ribbon Environmental Committee will be called to order on Thursday, November 13, 2014, at 4:30 p.m. at University Community Park, 1 Beech Tree Lane.

### ROLL CALL

Committee Member:	Larry Agran	
Committee Member:	Steven Chen*	Appointed by: Councilmember Krom
Committee Member:	Susan Coons*	Appointed by: Councilmember Agran
Member-At-Large:	Vacant*	Member-At-Large
Committee Member:	Steve Greenberg*	Appointed by: Councilmember Shea
Committee Member:	Beth Krom	
Committee Member:	Leo Rebele*	Appointed by: Mayor Choi
Committee Member:	Vacant	Planning Commission
Vice Chair:	John Morton*	Appointed by: Councilmember Lalloway
Chair:	Cyril Yu*	Member-At-Large

*\*Voting Member*

Scan this QR code for an electronic copy  
of the Green Ribbon Environmental  
Committee Agenda and staff reports.



**PLEDGE OF ALLEGIANCE**

**MOMENT OF SILENCE**

**INTRODUCTIONS**

**PRESENTATIONS**

- A. BAGS TO BENCHES PROGRAM**
- B. COMMUNITY CHOICE AGGREGATION**

**ENVIRONMENTAL PROGRAMS ADMINISTRATOR REPORT**

**ANNOUNCEMENTS**

---

Announcements are for the purpose of presenting brief comments or reports, are subject to California Government Code Section 54954.2 of the Brown Act and are limited to 15 minutes per meeting.

---

**SUBCOMMITTEE UPDATES**

**ADDITIONS AND DELETIONS TO THE AGENDA**

---

Additions to the agenda are limited by California Government Code Section 54954.2 of the Brown Act and for those items that arise after the posting of the Agenda and must be acted upon prior to the next Committee meeting.

---

**PUBLIC COMMENTS**

---

Any member of the public may address the Green Ribbon Environmental Committee on items within the Committee's subject matter jurisdiction but which are not listed on this agenda during public comments. However, no action may be taken on matters that are not part of the posted agenda. Public comments are scheduled for 30 minutes and are limited to 3 minutes per person. If you wish to speak, please complete a Speaker's Form and submit it to the Recording Secretary.

---

**COMMITTEE BUSINESS**

**1. APPROVAL OF COMMITTEE MINUTES**

**RECOMMENDED ACTION:** Approve the minutes of a special meeting of the Green Ribbon Environmental Committee held on June 12, 2014.

**2. CITY OF IRVINE GREEN REPORT**

**RECOMMENDED ACTION:** Receive and file the City of Irvine Green Report.

**ADJOURNMENT**

Next meeting: GREEN RIBBON ENVIRONMENTAL COMMITTEE Regular Meeting, February 12, 2015, 4:30 p.m., University Community Park, 1 Beech Tree Lane, Irvine.

**NOTICE TO THE PUBLIC**

At 11:00 p.m., the Green Ribbon Environmental Committee will determine which of the remaining agenda items can be considered and acted upon prior to 12:00 midnight and will continue all other items on which additional time is required until a future Committee meeting. All meetings are scheduled to terminate at 12:00 midnight.

**STAFF REPORTS**

As a general rule, staff reports or other written documentation have been prepared or organized with respect to each item of business listed on the agenda. Copies of these materials are on file with the Green Ribbon Environmental Committee liaison and are available for public inspection and copying once the agenda is publicly posted, (at least 72 hours prior to a regular Green Ribbon Environmental Committee meeting).

If you have any questions regarding any item of business on the agenda for this meeting, or any of the staff reports or other documentation relating to any agenda item, please contact Green Ribbon Environmental Committee liaison at (949) 724-6686.

**SUPPLEMENTAL MATERIAL RECEIVED AFTER THE POSTING OF THE AGENDA**

Any supplemental writings or documents distributed to a majority of the Green Ribbon Environmental Committee regarding any item on this agenda after the posting of the agenda will be available for public review in the Community Services Department, One Civic Center Plaza, Irvine, California, during normal business hours. In addition, such writings or documents will be made available for public review at the respective public meeting.

**SUBMITTAL OF INFORMATION BY MEMBERS OF THE PUBLIC FOR DISSEMINATION OR PRESENTATION AT PUBLIC MEETINGS**

Written Materials/handouts:

Any member of the public who desires to submit documentation in hard copy form may do so prior to the meeting or at the time he/she addresses the Green Ribbon Environmental Committee. Please provide 15 copies of the information to be submitted and file with the Recording Secretary at the time of arrival to the meeting. This information will be disseminated to the Green Ribbon Environmental Committee at the time testimony is given.

**CITY SERVICES TO FACILITATE ACCESS TO PUBLIC MEETINGS**

**AMERICANS WITH DISABILITIES ACT:** It is the intention of the City of Irvine to comply with the Americans with Disabilities Act (ADA) in all respects. If, as an attendee or a participant at this meeting, you will need special assistance beyond what is normally provided, the City of Irvine will attempt to accommodate you in every reasonable manner. Please contact the Green Ribbon Environmental Committee liaison at 949-724-6686 at least 48 hours prior to the meeting to inform us of your particular needs and to determine if accommodation is feasible. Please advise us at the time if you will need accommodations to attend or participate in meetings on a regular basis.

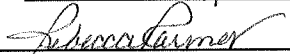
**COMMUNICATION DEVICES**

To minimize distractions, please be sure all personal communication devices are turned off or on silent mode.

**MEETING SCHEDULE**

Regular meetings of the Green Ribbon Environmental Committee are held quarterly on the second Thursday of the month at 4:30 p.m. unless otherwise noted. The Green Ribbon Environmental Committee Agenda is posted in the Police Department. Meeting agendas and approved minutes are kept current on the City web site at [www.cityofirvine.org](http://www.cityofirvine.org).

I hereby certify that the agenda for the Green Ribbon Environmental Committee meeting was posted in the posting book located in the Public Safety Lobby of City Hall, One Civic Center Plaza, Irvine, California on November 7, 2014 by 4:30 p.m. as well as on the City's web page.

  
\_\_\_\_\_  
Committee Secretary

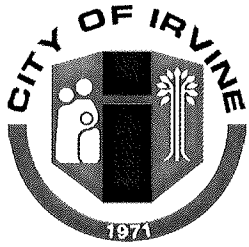
**PRESENTATION A:**

**BAGS TO BENCHES PROGRAM**

**PRESENTATION B:**

**COMMUNITY CHOICE  
AGGREGATION**

**ITEM 1**



# MINUTES

## GREEN RIBBON ENVIRONMENTAL COMMITTEE

### SPECIAL MEETING

June 12, 2014  
4:30 p.m.

City Hall  
1 Civic Center Plaza  
Irvine, California

#### CALL TO ORDER

A special meeting of the Green Ribbon Environmental Committee (Committee) was called to order on Thursday, June 12, 2014, at 4:50 p.m. at Irvine City Hall, 1 Civic Center Plaza, by Chair Yu.

#### ROLL CALL

Committee Member	Beth Krom
Committee Member	Steve Greenberg
Committee Member	Susan Coons
Committee Member	Steven Chen
Chair	Cyril Yu

#### ABSENT

Vice Chair	John Morton
Committee Member	Larry Agran
Committee Member	Kelly Dang
Committee Member	(vacant)
Committee Member	(vacant)



## **1. PRESENTATIONS**

### **1.1. IRVINE CHAMBER OF COMMERCE GREEN BUSINESS CERTIFICATION PROGRAM**

Linda DiMario, of the Irvine Chamber of Commerce, presented the Chamber's Green Business Certification Program.

## **ENVIRONMENTAL PROGRAMS ADMINISTRATOR REPORT**

Administrator Reynolds reported on the following recent activities and campaigns that are being sponsored by the City of Irvine:

1. Outreach Events
2. 2013 Summer Energy Challenge
3. City's participation in Southern California Edison's Direct Install Program for municipalities
4. Bommer Pass Trail Closure

## **ANNOUNCEMENTS**

None

## **SUBCOMMITTEE UPDATES**

None

## **ADDITIONS AND DELETIONS TO THE AGENDA**

None

## **PUBLIC COMMENTS**

None

## **2. COMMITTEE BUSINESS**

### **2.1. APPROVAL OF COMMITTEE MINUTES**

**ACTION:** It was moved by Committee Member Coons, seconded by Chair Yu, to approve the minutes of a regular Green Ribbon Environmental Committee meeting held on Thursday, December 12, 2013.

**MOTION UNANIMOUSLY CARRIED BY THOSE MEMBERS PRESENT.**

### **2.2. Amending the Powers, Duties and Bylaws of the Irvine Green Ribbon Environmental Committee and Repealing Resolution No. 12-04**

Committee Members discussed ways to increase public dialogue and engage the public through the Green Ribbon Environmental Committee.

**ACTION:** It was moved by Committee Member Coons, seconded by Committee Member Chen to recommend the City Council adopt RESOLUTION 14- A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF IRVINE AMENDING THE POWERS, DUTIES AND BYLAWS OF THE IRVINE GREEN RIBBON ENVIRONMENTAL COMMITTEE AND REPEALING RESOLUTION NO. 12-04.

**MOTION UNANIMOUSLY CARRIED BY THOSE MEMBERS PRESENT.**

### **2.3. Recommend Removal of At-Large Committee Member**

**ACTION:** It was moved by Chair Yu, seconded by Committee Member Coons to recommend the City Council remove Committee Member-At-Large Kelly Dang.

**MOTION UNANIMOUSLY CARRIED BY THOSE MEMBERS PRESENT.**

### **2.4. Annual Discussion Topics**

Chair Yu led a discussion regarding committee members' goals for the Committee in 2014. Committee Member Coons expressed a desire to address water issues and involve schools. Chair Yu expressed a desire to explore Community Choice Aggregator programs.

**ACTION:** None

**ADJOURNMENT** at 6:14 p.m. on Thursday, June 12, 2014.

---

CYRIL YU, CHAIR

**Date Approved:**  
November 13, 2014

---

MIKE BYRNE  
Recording Secretary

**ITEM 2**



# REQUEST FOR GREEN RIBBON ENVIRONMENTAL COMMITTEE ACTION

**MEETING DATE:** NOVEMBER 13, 2014

**TITLE:** CITY OF IRVINE GREEN REPORT

A handwritten signature in black ink, appearing to read "Brian Frels".

Director of Community Services

A handwritten signature in black ink, appearing to read "Jon Budde".

Community Services Manager

## RECOMMENDED ACTION

Receive and file the City of Irvine Green Report.

## EXECUTIVE SUMMARY

The purpose of the City of Irvine Green Report is to highlight the City's environmental milestones and accomplishments each year. The Green Report will be released annually in April, to coincide with Earth Day.

## ANALYSIS

The City has achieved many environmental milestones over the years, yet currently does not have a method to document or communicate these milestones. As a result, the purpose of the Green Report will serve to document these milestones and highlight the City's environmental accomplishments on an annual basis.

The Green Report focuses on the City's environmental programs including a section focused on energy, open space, waste and recycling, water quality, urban agriculture and public education. Each section of the Green Report features metrics and a case study highlighting a particular program success. The benchmark year for the Green Report will be 2013. The draft Green Report is included as Attachment 1.

Preparation of the Green Report will begin each year in January and continue through March, during which time data will be gathered to update program metrics and case studies. Once the Green Report is final, it will be released in April to coincide with Earth Day. The Green Report is planned to be showcased electronically on the City's website and the Environmental Programs website, quarterly electronic newsletter, and City's social media (Facebook, Twitter, Instagram), and other City publications as appropriate.

**ALTERNATIVES CONSIDERED**

The Committee could comment on the Green Report.

**FINANCIAL IMPACT**

The staff time dedicated to preparation of the City of Irvine Green Report has minimal financial impact and is a part of the Community Services budget.

**REPORT PREPARED BY** Meredith Reynolds, Community Services Administrator

**ATTACHMENTS**

1. Draft Green Report



**ENERGY**



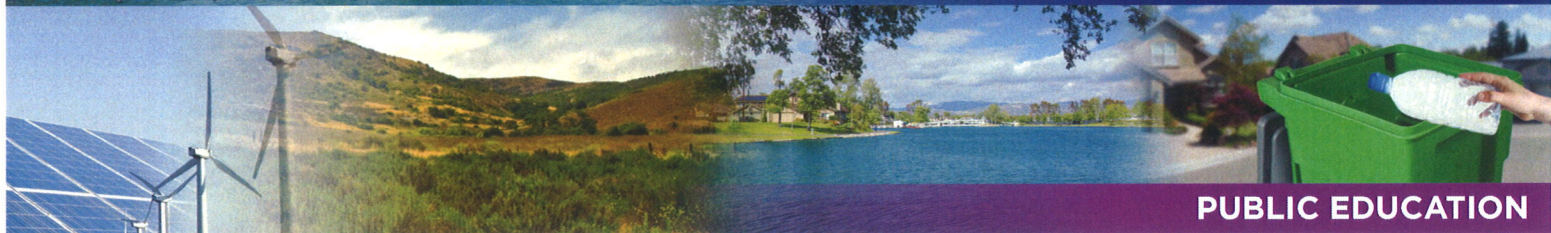
**NATURAL RESOURCES**



**RECYCLING AND WASTE REDUCTION**



**WATER QUALITY**



**PUBLIC EDUCATION**

# 2013 GREEN REPORT

**COMMITMENT TO EFFICIENTLY MANAGING ENVIRONMENTAL RESOURCES**



## 2013 ENERGY

**In 2013, the City of Irvine reduced its energy consumption.** Since the establishment of the Community Energy Partnership in 1992 and adoption of the 2008 Energy Plan, the City has incorporated energy efficiency and renewable energy into its municipal operations and provided energy conservation resources and education to the community.

### 2013 ENERGY CONSERVATION ACCOMPLISHMENTS

Achieved \$33,000 in electricity savings in 2013 compared to 2012



- Implemented three energy efficiency projects resulting in more than \$21,000 in utility rebates
- Reduced electricity use for City operations by 3.7 percent
- Equipped three City facilities with solar panels



### CASE STUDY 2013 SUMMER ENERGY CHALLENGE



**To reduce energy consumption by 10 percent, Irvine challenged its six community centers to conserve energy from July through September 2013.**

#### Employees reduced energy consumption by:

- Turning off lights in empty rooms
- Turning off equipment
- Shutting down computers at the end of the day
- Using cold water as much as possible
- Using natural light and keeping shades drawn over south facing windows during the day
- Unplugging electronics and switching off power strips
- Wearing climate appropriate work attire

Heritage Park, the winning community center, reduced electricity consumption by 12 percent, which is equivalent to greenhouse gas emissions from 443 gallons of consumed gasoline. Overall energy reduction by employees at all centers was almost 18 percent.

#### HIGHLIGHT

The City's 2013 Summer Energy Challenge resulted in almost 18 percent energy savings overall.



## 2013 NATURAL RESOURCES

Each phase of Irvine’s growth has been accompanied by preservation and enhancement of natural open spaces. The City’s Open Space Preserve consists of a network of 5,600 acres of trails and wildlands.

### 2013 NATURAL RESOURCES ACCOMPLISHMENTS



- 623 public programs
- 4,167 attendees
- 350 new acres of dedicated Open Space

#### CASE STUDY HABITAT RESTORATION TO PRESERVE NATIVE SPECIES AND VEGETATION



Since its incorporation in 1971, Irvine has balanced development and natural environments. The City and its partner, the Irvine Ranch Conservancy, collaborate to restore and improve open space habitats for native plants and animals. Activities include removing invasive plants, relocating exotic animals, planting native vegetation, maintaining a native seed farm, and monitoring restoration techniques.

- Treating and removing invasive plant species across 829 acres in Bommer Canyon, Quail Hill, and the Irvine Open Space Preserve North.
- Planting 4,500 cactus pads at a 2 acre restoration site near Mule Deer Trail to link Cactus Wren habitats.
- Relocating predator frogs, including 82 African Clawed frogs and one bullfrog (both non-native) from the Shady Canyon Turtle Pond mitigation site.
- Planting and harvesting nine local native shrubs, 28 forbs and six native grasses at the native seed farm, which grows seeds and young plants that support the Conservancy’s goal of native habitat restoration.

#### HIGHLIGHT

The Irvine Open Space Preserve offers activities for patrons of all ages. To learn more, visit [letsgooutside.org](http://letsgooutside.org).







# 2013 RECYCLING AND WASTE REDUCTION

The City of Irvine’s recycling and resource management efforts resulted in diverting 72 percent of landfill waste, which exceeds the 50 percent State mandate. By reducing the amount of trash produced and reusing materials, the City helps protect the environment and conserve natural resources.

## 2013 RECYCLING AND WASTE REDUCTION ACCOMPLISHMENTS



- 223,502 tons of total waste disposed
- 5.5 pounds of waste per day produced per person
- 2,007.5 pounds of waste per year produced per person



### CASE STUDY FOOD WASTE RECYCLING SYSTEM



Irvine partnered with Waste Management to pilot a food dehydration program that brings the City one step closer to achieving its zero waste goal. A grant from the County of Orange Waste and Recycling Department provided funds for eCorect food waste dehydrator machines at several Irvine businesses and Lakeview Senior Center.

The machine at Lakeview Senior Center processes an average of 500 pounds of food waste per week, including vegetable peels and plate scrapings, which resulted in approximately 35 pounds of compost used to landscape the Center and Orange County Great Park.

During the past three years, approximately 84,000 pounds of food waste has been diverted from the landfill, and producing nearly 6,000 pounds of compost.

In addition to the dehydrator machines, 19 Irvine businesses send food waste to Waste Management’s food and organic waste recycling facility — the first of its kind in Southern California. The facility processes 100 tons of food and organic waste daily, has a maximum daily capacity of 900 tons, and diverted more than 904 tons of food waste.

### HIGHLIGHT

Lakeview Senior Center diverted nearly 26,000 pounds of food waste in 2013.



# 2013 WATER QUALITY

To prevent storm water pollution, the City of Irvine implemented required runoff prevention measures for new development and redevelopment projects. Water quality management plans cover 19,624 acres.

## 2013 WATER QUALITY ACCOMPLISHMENTS



- 1,317 tons of waste diverted from storm drain system
- 59 tons of waste removed from storm drain system
- 959 catch basins cleaned

### CASE STUDY

### ORANGE COUNTY GREAT PARK STORM WATER CAPTURE AND REUSE SYSTEM



In 2013, the Orange County Great Park completed a storm water capture and reuse project at the 30-acre South Lawn Sports + Fitness Complex.

Six open-water ponds at the South Lawn soccer complex collect and store runoff from 150-acres of the property. Water is treated onsite and reused to supply up to 55 percent of the fields' irrigation needs. The system reduces water demand costs and runoff to San Diego Creek and Upper Newport Bay. It also helps the City meet State requirements to control pollutants in storm water runoff.

The ponds store 15-acre feet of water and rely on gravity to divert storm flows to the flood control channel, which eliminates electrical costs. During dry seasons, ponds are supplemented with recycled water from the Irvine Ranch Water District.

Recognized by State water quality officials as a major breakthrough in cost-effective storm water capture and reuse design, the project was named a 2013 Top Storm Water Project in *Storm Water Solutions Magazine* and awarded Project of the Year by the American Public Works Association, Southern California Chapter.

### HIGHLIGHT

To report a malfunctioning sprinkler or any other irrigation problem in Irvine, please call 949-724-7600.





# 2013 PUBLIC EDUCATION

Throughout 2013, the City hosted and participated in events to increase awareness about resource conservation. More than 4,300 attendees learned about recycling, reducing waste, preventing storm water pollution, and conserving water.

## 2013 PUBLIC EDUCATION ACCOMPLISHMENTS



**WEBSITE VISITORS**  
2,543 (monthly average)



**SHRED EVENT**  
7,500 pounds of paper recycled



**USED OIL FILTER EVENT**  
(for Do-It-Yourselfers)  
141 used oil filters collected for recycling

## CASE STUDY 2013 IRVINE GLOBAL VILLAGE FESTIVAL



**The Irvine Global Village Festival celebrates the City’s cultural diversity and features international cuisine, live entertainment and activities for patrons of all ages.** The Festival is the City’s largest and most well attended event, attracting nearly 20,000 participants each year. To minimize the Festival’s environmental footprint, the City:

- Promotes carpools and public transportation to reduce emissions.
- Provides a bike valet for free bike parking to encourage exercise and reduce parking congestion.
- Utilizes the natural gas powered *i*Shuttle.
- Prints a limited number of programs on recycled paper and provides an electronic version for mobile phones.
- Provides recycling and composting bins.
- Uses recyclable or compostable food utensils.

In 2013, an estimated 4.39 tons of waste and 3,800 pounds of recyclables were collected at the Festival, of which 2.79 tons were diverted from the landfill for an estimated diversion rate of 64 percent.

### HIGHLIGHT

1,780 pounds of food waste was recycled from the Global Village Festival.



The **CITY OF IRVINE** is committed to efficiently managing its environmental resources. This Green Report highlights the City's municipal operation, program successes, cost savings, and effective resource management for calendar year 2013.

**ENERGY** — conservation and efficiency

**NATURAL RESOURCES** — balance between built and natural environments

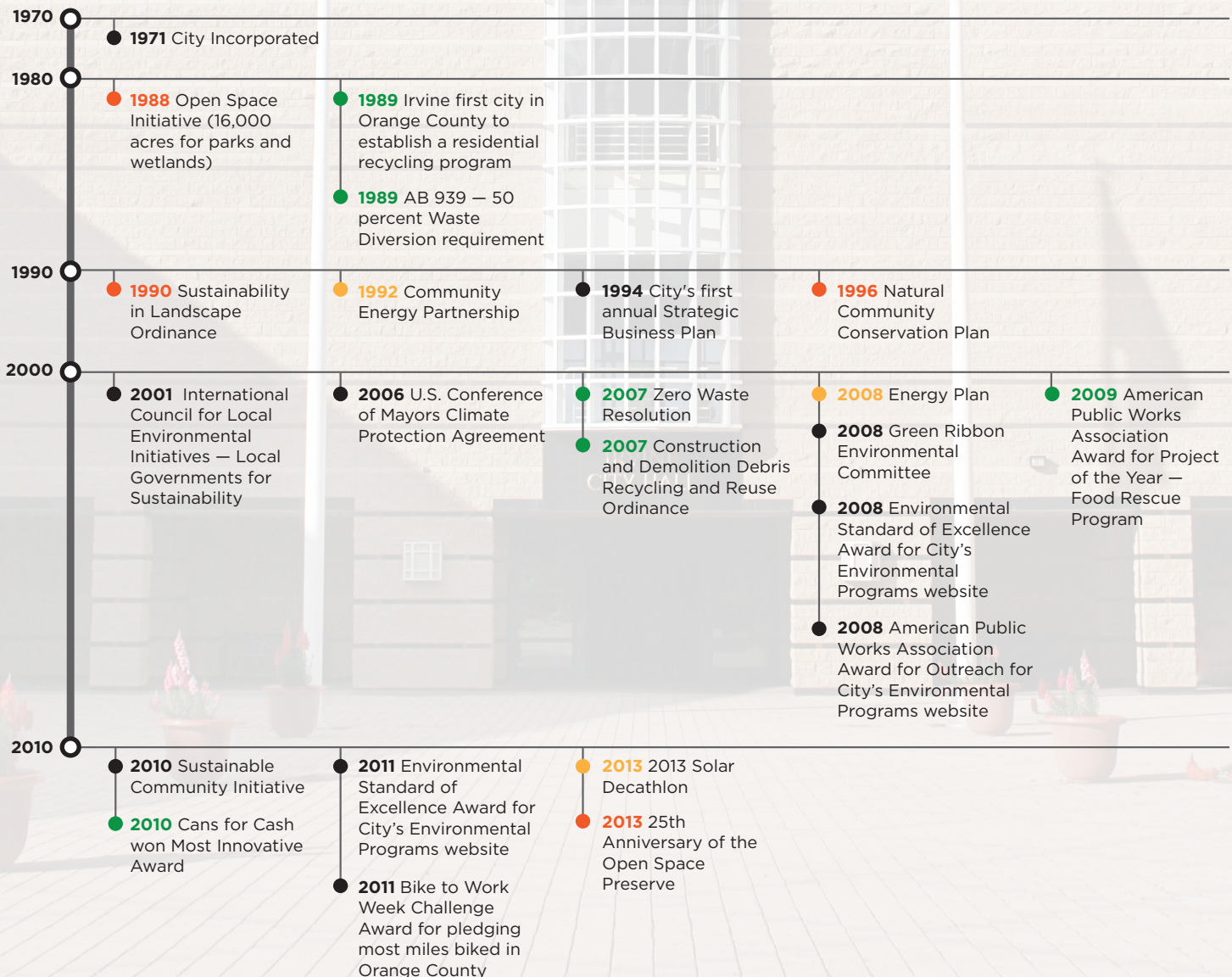
**RECYCLING AND WASTE REDUCTION** — waste diversion and zero waste

**WATER QUALITY** — stormwater pollution prevention and water quality

**PUBLIC EDUCATION** — building community awareness

For more information about the City's Environmental Programs, visit [cityofirvine.us](http://cityofirvine.us)


### IRVINE'S ENVIRONMENTAL TIMELINE





Visit [cityofirvine.us](http://cityofirvine.us)  
for more information



 Printed on Recycled Paper