7th Annual Statewide Energy Efficiency Forum

City of Riverside - An Emerald City

June 16, 2016

Statewide Energy Efficiency Collaborative

GreenRiverside.com

Community Participation and Empowerment

Started in 2005

- Clean and Green Taskforce
- Sustainable Policy Statement

First Green Action Plan

- 34 of 38 completed!

Recognized and partnered with the Department of Conservation

- First Emerald City
- Greenest of the Green
- Second Green Action Plan
- Monitored by the GAP committee



Community Participation and Empowerment

Retired first Green Action Plan :

Stretch goals
Developed by city /community
Riverside is an international resource



Eight Focus areas:

Energy
Water
Waste reduction
Transportation
GHG emissions
Urban nature
Urban design
Healthy communities

Green Action Plan 2.1

Maintains - Eight Focus areas:

Energy	GHG emissions
Water	Urban nature
Waste reduction	Urban design
Transportation	Healthy communities

Tasks to be added/dropped as completed

"…begin updating GHG inventories using leverage from the WRCOG Regional CAP grant."



Accomplishments

- **More than 150 different items completed**
  - 20% Renewable
  - 25 MW of Solar
  - 165 million kilowatt hours saved since 2006
  - 30% increase in park to land ratio per 1,000 residents since ‘05
  - Multiple Grade and Rail separations
  - 40% increase in miles of bike lanes since 2007
  - Reusing City Tree waste for mulch for all residents

  - **More items available online in list form**





Action Plan and Environmental Best Practices.

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Environmental Best Practices

- **Converted 87% of city fleet to clean/alternative fuels**
- **Diverted 69% of landfill waste**
- **Grease to Gas**
- **Go Transit program**
- **Saving 23,000,000 kWh/year**
- **Solar power and community**

  Low income, Senior/community centers, Transportation centers, Landfill
- **29 MW Local PV**
- **30% renewables citywide**
- **42% by 2020**



Environmental Best Practices



Whole House Rebate Program

Award winning program - 1st in U.S.

- Makes several programs work together to "Right Size"
- Over 2M kWh saved initially
- Every $1 allocated = $2 invested in local economy
- National recognition from Department of Energy

Creates permanent green housing stock

Direct Installation Programs for Business

Direct Installation Programs for Business

Water Efficiency and Conservation

- **FreeSprinklerNozzles.com**
- **Adopted by 16 California counties**
- **Over 150,000 nozzles distributed in Riverside**



Communication is Key

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Accomplishments

- **2007**: Green Action Plan, Green Accountability Performance Committee (GAP), Riverside Sustainability Coalition
- **2009**: Recognized as California's first "Emerald City"
- **2009:** Seizing our Destiny, Route 5: "Being a Green Machine"
- **2012**: California Green Communities Challenge
- **2012 - Present**: Establishment of community gardens under Garden Council
- **2013**: Riverside Food Cooperative is formed
- **2013**: RPU signs historic geothermal contracts



Accomplishments

- **2014**: City/UCR Paid Internship Program
- **2014**: First Grow Riverside Conference
- **2014**: Riverside wins First Place in Cool California City Challenge
- **2014**: Riverside begins to receive Active Transportation grant funding
- **2015**: Riverside achieves 3-STAR Community Certification
- **2015**: Riverside Green Business Program is launched
- **2016: City adopts the Restorative Growth Print**
- **2016: California Air Resources Board votes to relocate to Riverside**
- **2016**: Riverside achieves sustainability recognition by Audubon International





About Green Riverside

The City of Riverside is committed to making our town a greener place to live by supporting renewable energy, responsible

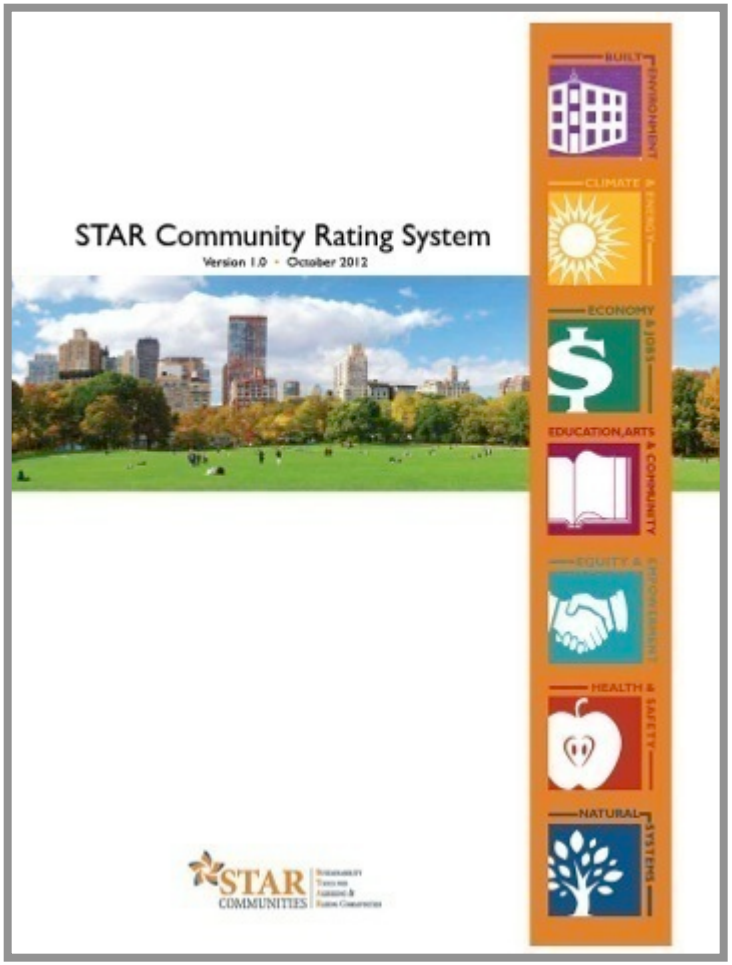
Rebate Programs Residential Commercial



Where is this leading?

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Sustainable Tools for Assessing and Rating



The **STAR Community Rating System** is the first national framework and certification program for measuring community sustainability.

The STAR Community Rating System

Goal Areas & Objectives are mapped and rated in the online system, helping local leaders set goals and measure progress across areas.

Built Environment	Climate & Energy	Economy & Jobs	Education, Arts & Community	Equity & Empowerment	Health & Safety	Natural Systems
Ambient Noise & Light	Climate Adaptation	Business Retention & Development	Arts & Culture	Civic Engagement	Active Living	Green Infrastructure
Community Water Systems	Greenhouse Gas Mitigation	Green Market Development	Community Cohesion	Civil & Human Rights	Community Health & Health System	Invasive Species
Compact & Complete Communities	Greening the Energy Supply	Local Economy	Educational Opportunity & Attainment	Environmental Justice	Emergency Prevention & Response	Natural Resource Protection
Housing Affordability	Industrial Sector Resource Efficiency	Quality Jobs & Living Wages	Historic Preservation	Equitable Services & Access	Food Access & Nutrition	Outdoor Air Quality
Infill & Redevelopment	Resource Efficient Buildings	Targeted Industry Development	Social & Cultural Diversity	Human Services	Indoor Air Quality	Water in the Environment
Public Spaces	Resource Efficient Public Infrastructure	Workforce Readiness		Poverty Prevention & Alleviation	Natural & Human Hazards	Working Lands
Transportation Choices	Waste Minimization				Safe Communities	

Riverside Restorative Growth Print

- City received a SCAG Sustainability grant to develop the Riverside Restorative Growthprint (RRG)
  - Economic Prosperity Action Plan (EPAP)
  - Climate Action Plan (CAP)
- Builds upon existing plans and programs
  - Seizing our Destiny Report
  - Green Action Plan

- **Turns Visions Into Code**



Riverside Restorative Growth Print

Develop measures to reduce GHG emissions (to 49% below baseline by 2035)

Inspire **entrepreneurial opportunities** and job creation

Facilitate **Smart Growth** development and stimulate sustainable infrastructure investment

Develop a tracking tool to monitor progress

Inform, engage and collaborate with stakeholders

CLIMATE ACTION PLAN (RRG-CAP)

Roadmap for the City of Riverside to achieve deep GHG emissions through the year 2035

Establishes policies and priorities enabling the City to implement strategies that fulfill the requirements of State initiatives, AB 32 and SB 375

Aligns with the City's planning priorities and its vision of a future economy based on "clean, green businesses and business practices"



Community Participation and Empowerment







Continued Community Involvement

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