History

• AB 1890 was passed in 1996

• Mandated that utilities establish a usage based charge to be used for the following four areas:

  ➔ Energy efficiency and energy conservation
  ➔ New investment in renewable energy resources
  ➔ Research, development and demonstration programs
  ➔ Services provided for low-income electricity customers
Current Residential Programs

- Air Conditioning - Rebates 10% up to $750
- Energy Star
- Tree Power
- Pool Saver
- Refrigerator Rebates - $200 per unit
- Refrigerator Recycling/Replacement
- Weatherization – Whole-House fans
- Home Energy Audits
- SHARE
- UTILICARE
- WE CARE
- Domestic TOU
- Irrigation Controllers (Water)
- High Efficiency Cloths Washers (Water)
Business Programs

- A/C Rebate Program
- Energy Efficient Lighting Program
- Technical Assistance Program
- Energy Management Systems Assistance Program
- Energy Star Appliance Program
- Tree Power
- Thermal Energy Storage Program
- New Construction Program
- Automated Meter Reading
- EE Motor Program
- EE Technology Grant Program
## kWh Saved and Greenhouse Gas Reductions

<table>
<thead>
<tr>
<th>Program</th>
<th>Available Rebates</th>
<th>KWh Saved/ Customer/ Year</th>
<th>Average Cost per kWh Saved</th>
<th>GHG Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weatherization</td>
<td>$100/ Rebate</td>
<td>1,500/ Rebate</td>
<td>$0.066/kWh</td>
<td>3,014.4 Pounds/Year</td>
</tr>
<tr>
<td>Tree</td>
<td>$25/ Tree</td>
<td>175/ Rebate</td>
<td>$0.1428/kWh</td>
<td>351.76 Pounds/Year</td>
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<tr>
<td>Energy Star</td>
<td>$75/ Appliance</td>
<td>375/ Rebate</td>
<td>$0.20/kWh</td>
<td>753.6 Pounds/Year</td>
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<tr>
<td>A/C</td>
<td>$500 @ $100/ton</td>
<td>1,090/ Rebate</td>
<td>$0.4587/kWh</td>
<td>2,190 Pounds/Year</td>
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<tr>
<td>PV (Solar)</td>
<td>½ Cost up to $25,000</td>
<td>7,200/ Rebate</td>
<td>$1.55kWh</td>
<td>14,469 Pounds/Year</td>
</tr>
</tbody>
</table>
Scoring energy efficiency

HUD Secretary Shaun Donovan says home loan terms should support conservation.

Kenneth R. Harney
Reporting from Washington

Picture this: You're shopping for a larger home, dropping by open houses on a weekend. Each house you visit has an easy-to-understand disclosure about something that's typically unknown today — its energy-guzzling costs per year.

The Obama administration's top housing official — Shaun Donovan, secretary of

Rather than try to limit federal tax breaks that are heavily skewed to homeowners, Donovan would prefer to expand and improve the FHA's apartment-financing programs and produce more rental housing options in general.

On tax issues, Donovan believes that there are billions of potential buyers of houses who do not itemize deductions and would not now qualify for money-saving write-offs for mortgage interest and property taxes. In his view, they should receive some form of federal tax break, as proposed by Obama during his campaign.

Donovan also believes that there has been a misperception about the administration's budget proposal to limit de-
Non-Residential Program Milestones

- Grease to Gas
- 10 significant PV projects including:
  - Riverside Housing Development Corp.
  - Goeske Senior/Cooling Center
  - Metrolink Commuter station
  - AQMD Funding Homeless Shelter
  - Casa Blanca Resource Center
    - Open House April 25th - Noon
- 70,000 Free trees to date
Non-Residential Program Milestones

- First in the Country to perform wireless on-site audits
- 20-25 MW voluntary load curtailment
- Over 6,000 customer visits made by account managers since 2003
- Ice-Bear demonstration project with Marcy Library
- Solar technology grants - UCR
- LED polymer grants with UCR

Total $1,264,503.00
Public Benefits Utilized to Date

- PB Funds Expended:
  - 1995 - 2005:
    - Residential: $13,800,000
    - Non-Res/Commercial: $13,000,000
  - Past Two Years:
    - Residential: $3,400,000+
    - Non Res/Commercial: $5,600,000+

Riverside Public Utilities was ranked #1 for kWh saved as a percentage of Annual Sales among all Southern California municipal utilities.
2007 Public Benefits Annual Report

Powerful Rebates

Conservation is a key element that allows Riverside Public Utilities to offer high-quality, reliable energy and water services at the lowest possible rates to benefit the community. And, a key element to conservation in Riverside has been our powerful programs that offer incentives and rebates for customers who take steps to make their homes and businesses energy and water efficient.

To date, we've provided more than $40 million dollars to fund rebates, incentives, school programs, and photovoltaic solar projects that all benefit our community. These programs have included:

**TREE POWER**

Customers planted over 9,000 trees this year and over 51,000 free shade trees since 2003. That is enough to save as much as 7 million kilowatt-hours of electricity each year when fully grown. Each March, we send you a coupon with your utility bill that you can use for a free tree. In addition, you can receive a rebate for up to five more trees each year.

**ENERGY STAR®**

We've given back millions of dollars in rebates to customers who purchase qualifying Energy Star® rated appliances, doors, and windows. And, we are currently offering up to $2000 cash back for purchasing new qualified refrigerators!

**COOL CASH**

Over 2,500 customers have received over a million dollars in rebates for installing new or replacement central air conditioning systems in their homes and businesses. Our rebate incentives have never been better as we are now offering 10% of the total project cost to install new cooling systems – up to $750 back!

**SHARE**

We've assisted almost 33,000 neighbors in need, since 1999, with over $46.6 million to help qualified, low-income customers pay their utility bills and deposits. You can also help a neighbor by donating to the SHARE Program on your monthly bill.

**EDUCATION**

Riverside Public Utilities’ education program includes interactive participation and important conservation messages about energy and water and has reached over 33,000 students. This program is considered to be a model for other utilities across the state.

A Message from the General Manager

The benefits of having a public utility are many. Among them, is the ability to give back to the community in which we serve. Each year, public benefit funds help to educate the community on energy conservation and safety, construct renewable energy projects, and provide valuable incentive and rebate programs for our customers.

In addition to helping customers reduce their energy demands, these funds have helped us to create projects that provide megawatts of locally generated, clean and renewable power. We are proud to be your utility provider, and we will continue to utilize Riverside’s public benefit funds to maintain your utility today and well into the future.

Sincerely,

David H. Wright
Public Utilities General Manager

It can cost you up to $200 more per year in energy costs to run an old refrigerator - like the one in your garage. Call our Cool Returns hotline at (800) 685-2722 to have it picked up and recycled for FREE.

Public Benefit Funds are used for:
- Low-income assistance, renewable energy projects, energy conservation and education, and research and development.
- $1.1 million Residents Rebates

2006-2007 Residential Rebate Distribution In Dollars

2006-2007 Public Benefits Fund Distribution

Our Board of Public Utilities meetings are held at 7:30 a.m. on the first and third Fridays of each month at 3901 Orange Street. We welcome you to attend.
Solar Rebates for Your Home
$3 PER WATT
Up to 50% of the project cost or $15,000, whichever is less.

For more information about our Photovoltaic Rebate Program and program requirements visit www.riversidepublicutilities.com
Going...Going...Green
20% renewable power by 2010

Riverside is increasing its power mix of clean, renewable resources like wind, water, and sun.

Green Power –
For Home.
For Work.
For Life.

For more information about Green Power visit
www.riversidepublicutilities.com
www.greenriverside.com

50% BY 2013

By 2013, the City of Riverside will be getting over 50% of its electricity from renewable or “green power” resources.*

As we look to the future, we are mindful of the fact that we can all begin right now with small but important first steps. To find out more about green power and how it works, read Riverside’s Green Action Plan and visit www.GreenRiverside.com

THANK YOU FOR YOUR COMMITMENT TO A GREEN RIVERSIDE

* Green Power comes from sources such as wind, solar, geothermal, and bio-mass that produce little or no greenhouse gases. In addition to “green power,” nearly 20% of Riverside’s power comes from low-greenhouse-gas (GHG) emitting sources.

www.GreenRiverside.com
Education and Outreach

- Model program for other utilities
- Over 25,000 4th and 5th graders reached by education program
- Water awareness program for the 5th grade presented to Metropolitan Water District
- Sponsored Solar Cup competition
- Science Fair judging
- Splash into Cash bottled water art contest
- Nationally recognized
Riverside's Rebecca Cuevas works to help schools meet curriculum needs while keeping fourth graders engaged.
Conservation Results

- 250,000 rebates paid since 1999

- 1998 – 2008:
  - Residential: $19,500,000
  - Non-Res/Commercial: $18,000,000

KWh saved since 1999..... 153,500,700.50
Equivalent of 23,615 cars off the road
Prevented the need for 1.59 power plants
**CFL Mailer**

Lighting - 11% of residential energy use
- Provide 2 CFL’s for every electric customer
- 6 million kWh savings annually
- Recycle information

- Other SCPPA Members
  - Anaheim, Glendale, Burbank, Pasadena, Colton

- Meets AB 2021 goals

**DO THE TWIST**
and save over 50%
**AB 2021 – Conservation**

- State's goal is to reduce forecasted electricity by 10% in 10 years

- Implement programs in addition to existing Public Benefits programs for residential and commercial customers
  
  ➔ Residential
  
  - Low-income refrigerator giveaway
  - Compact fluorescent lights giveaway

  ➔ Commercial
  
  - Performance based incentives
  - Direct lighting installs
**SB 1 - Photovoltaic**

- **State goal:** Increase solar generation by 3,000 MW
- **State utilities must fund $784 million in 10 years**
- **Effects on RPU**
  - $25 million, based on revenue, must be funded
    - $2.5 million annually beginning in 2008
    - New programs: Commercial PV rebate – up to $500,000
    - Solar schools – up to $250,000
    - Continued marketing
Solar Installations (per year)
Solar Installations (per year)

- Installed
- Planned
Proposed 2008-09 Programs

- Low income refrigerator program (on-line)
- Green power renewable energy generation
- Small business lighting direct installation (re-introduce)
- Residential A/C tune up program
- LED outdoor security lighting
- HID to T8 retrofit (warehouse applications)
- Performance based rebates
- Vending Miser (refrigerated vending machines)
- 4.8 kW system
- $30,799
- Typical rebate $14,400, or $3 per watt
- Higher than normal rebate justified
  - Unique project - first LEED and near carbon neutral home
  - Meets three of the four criteria for Public Benefits
  - Assists RPU mission requirements
• Rebate of $25,740
• Exceeds the guidelines of $3 per watt
• Opportunity for demonstration
• Sustainable green building
• Solar home tours
11th Street House
11th Street Home
Awards and Recognition

- Golden Tree Award American Public Power Association (APPA)
- Energy Innovator Awards from APPA
- Flex Your Power Award for Energy Efficiency
- Multiple National story placements
- Solar Electric Power Association (SEPA) Award for Community Outreach and Public Awareness Efforts
- California Municipal Utility Association (CMUA)
Upcoming Events

- Green Action Plan
  - 38 point action plan
  - City wide plan for sustainability

- Emerald City designation
  - Department of Conservation
  - Stretch Goals for the City

- Events
  - Earth night at the Garden
  - Earth Day at White Park
    - Habitat for Humanity
Michael Bacich - Sustainability Officer
- 951-826-5422
- mbacich@riversideca.gov

www.GreenRiverside.com