

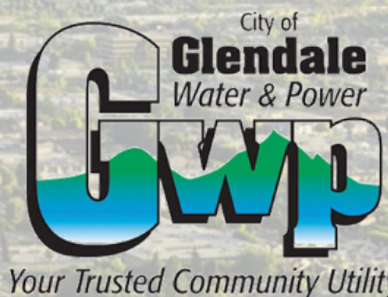


PUBLIC BENEFIT PROGRAMS

Glendale Water & Power Commission

March 6, 2023

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Glendale Water & Power



PUBLIC BENEFITS BACKGROUND

- PBC Programs have been provided pursuant to a State mandate since January 1, 1998
- Pursuant to CPUC Code Section 385, PBC is funded by a separate fee on all electric bills
- The current charge is 3.6% of retail electric revenues
- Funds must be used for programs in one or more of the categories:
 - Cost-effective energy efficiency and conservation
 - New investments in renewable energy resources
 - Research, development and demonstration
 - Low-income electricity customers



CPUC CODE AND LOW-INCOME PROGRAMS

Pursuant to Section 385 and 386 of the CPUC Code, each Public Owned Utility (POU) shall:

- Implement programs for low-income electricity customers including targeted energy efficiency services and rate discounts based upon the income level of the customer
- Ensure low-income families within the utility's service territory have access to affordable electricity
- Ensure the current level of assistance reflects the level of need
- Ensure low-income families are afforded no-cost and low-cost energy efficiency measures that reduce energy consumption



CPUC CODE AND ENERGY EFFICIENCY

Pursuant to Section 9615 of the CPUC Code, each POU shall:

- In procuring energy to serve the load of its retail end-use customers, shall first acquire all available energy efficiency and demand reduction resources that are cost effective, reliable, and feasible
- Identify all potentially achievable cost-effective electricity efficiency savings and establish annual targets for energy efficiency savings and demand reduction for the next 10-year period
- Treat investments made to achieve energy efficiency savings and demand reduction targets as procurement investments



CPUC CODE AND ENERGY EFFICIENCY

Additionally, each POU shall report the following information to customers and the California Energy Commission:

- Investments in energy efficiency and demand reduction programs
- Descriptions of each energy efficiency and demand reduction program, expenditures and cost-effectiveness of each program, and expected and actual energy efficiency savings and demand reduction results
- Sources for funding of energy efficiency and demand reduction programs
- Methodologies and input assumptions used to determine cost-effectiveness of programs
- A comparison to the POU's annual energy efficiency targets and the POU's reported electricity efficiency savings and demand reductions



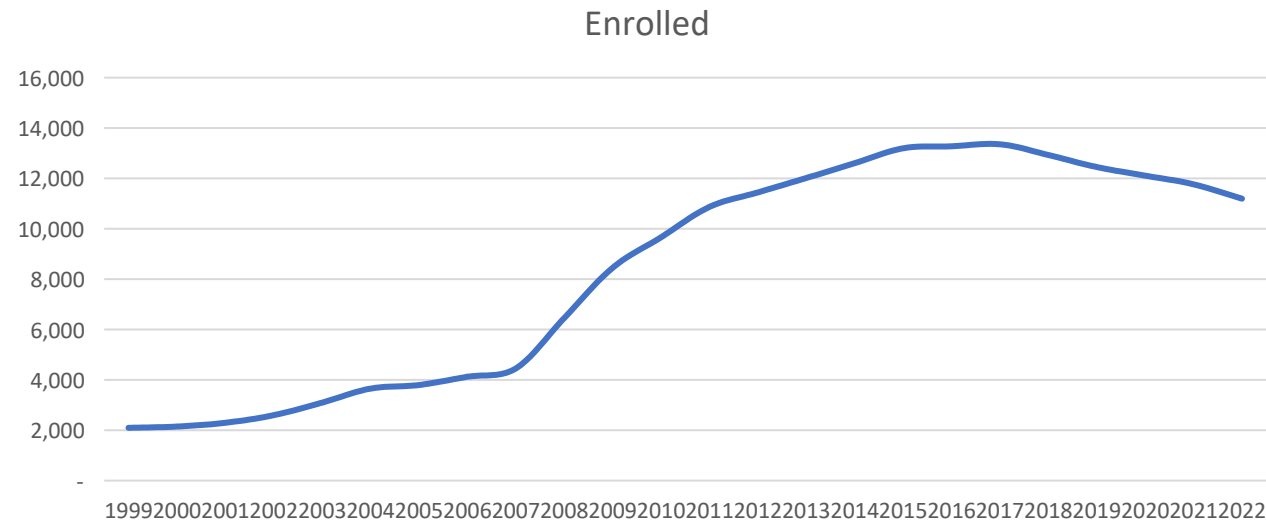
HOME **STORAGE** **HELPING** **SCHOOL** **DIY** **TRACK** **SAVING** **BILL POWER** **THERMOSTAT** **LOW** **RESIDENTIAL** **DISPLAY** **GREY WATER** **SYSTEMS** **ONLINE** **SMART** **UPGRADES** **SCHOOLHOUSE** **SOLAR** **BUSINESS** **STORE CONSERVATION** **BACK** **TIME** **USE** **EDUCATION** **GUARDIAN** **HAND** **MEASURES** **REPORTS** **INCOME** **ENERGY** **PEAK** **PLATFORM** **EFFICIENCY** **WATER** **DISCOUNTS** **REBATES** **TREE** **SOLUTIONS**



LOW INCOME BILL DISCOUNTS

Provides eligible low-income customers a monthly discount on their electric bill increased from \$15.00 monthly discount to \$17.50 on July 1, 2022.

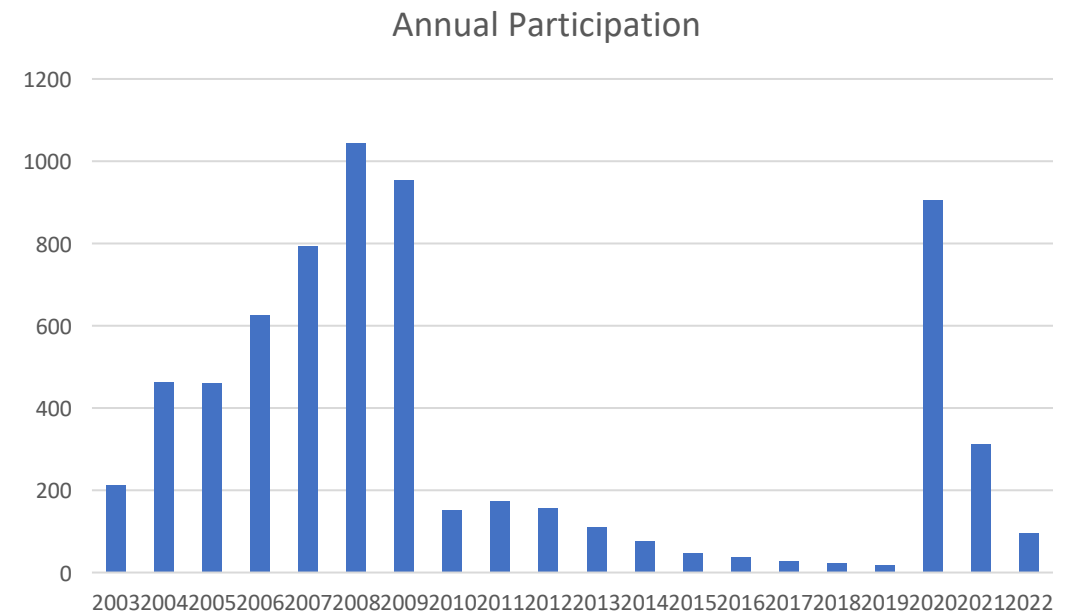
- Provided over 2.3 million monthly discounts since 1999
- Over \$31 million in bill discounts provided since 1999



HELPING HAND PROGRAM

Assists eligible low-income customers that are having trouble paying for their utility services by providing up to \$150 towards bill payment or deposit assistance.

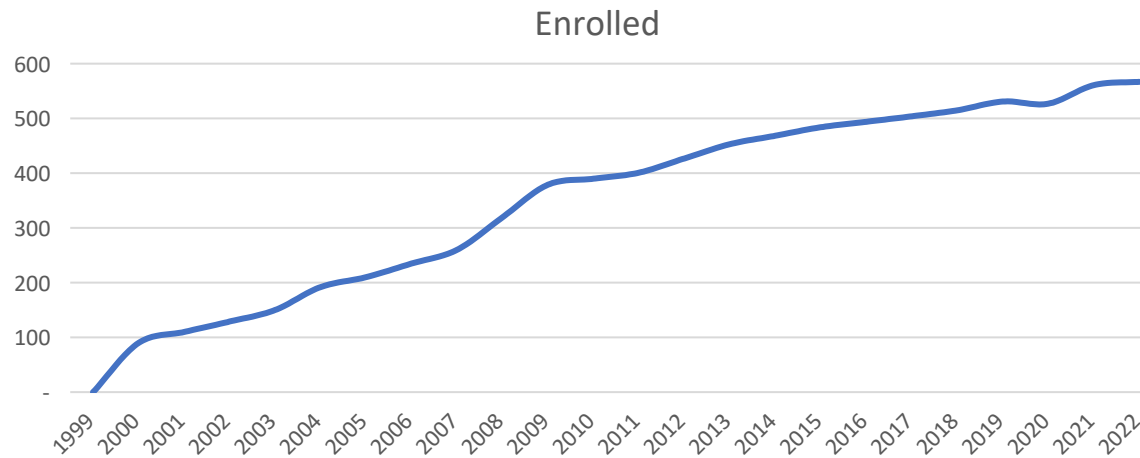
- An estimated 6,694 low-income customers have benefited from this program since 2003
- Over \$891,000 in bill and deposit assistance provided since 2003



GUARDIAN PROGRAM

Provides monthly bill discounts to customers with household members using life-saving medical equipment or suffering from afflictions requiring special space conditioning.

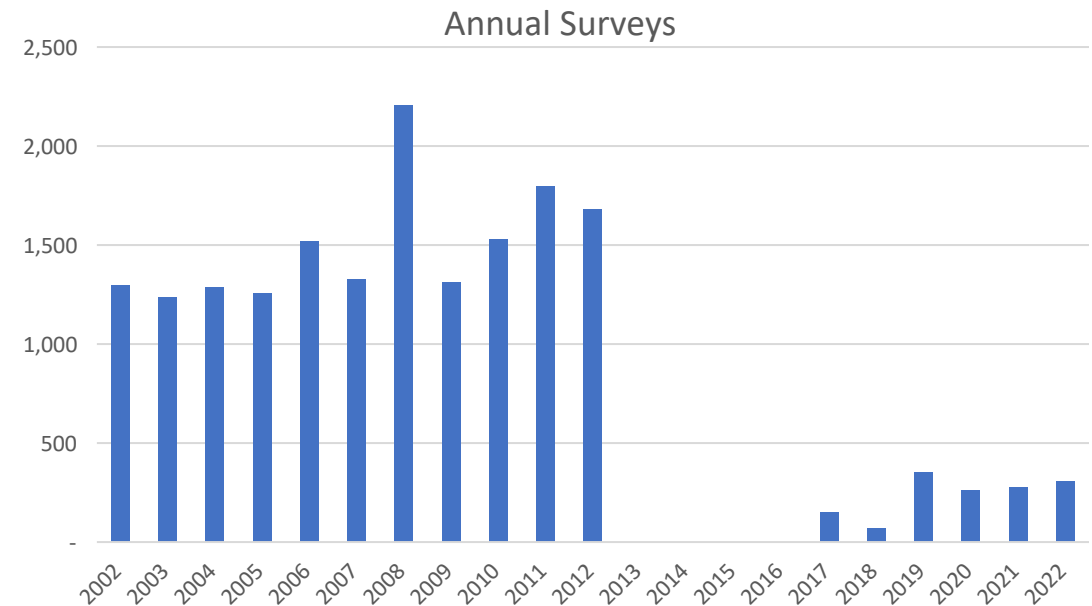
- An estimated 99,000 monthly discounts provided since 2000
- Over \$2.3 million in bill discounts provided since 2000



SMART HOME ENERGY AND WATER SAVING UPGRADES PROGRAM

This CMUA award-winning program evaluates the efficiency of customer homes, installs low-cost energy and water saving devices, and make recommends additional energy and water measures.

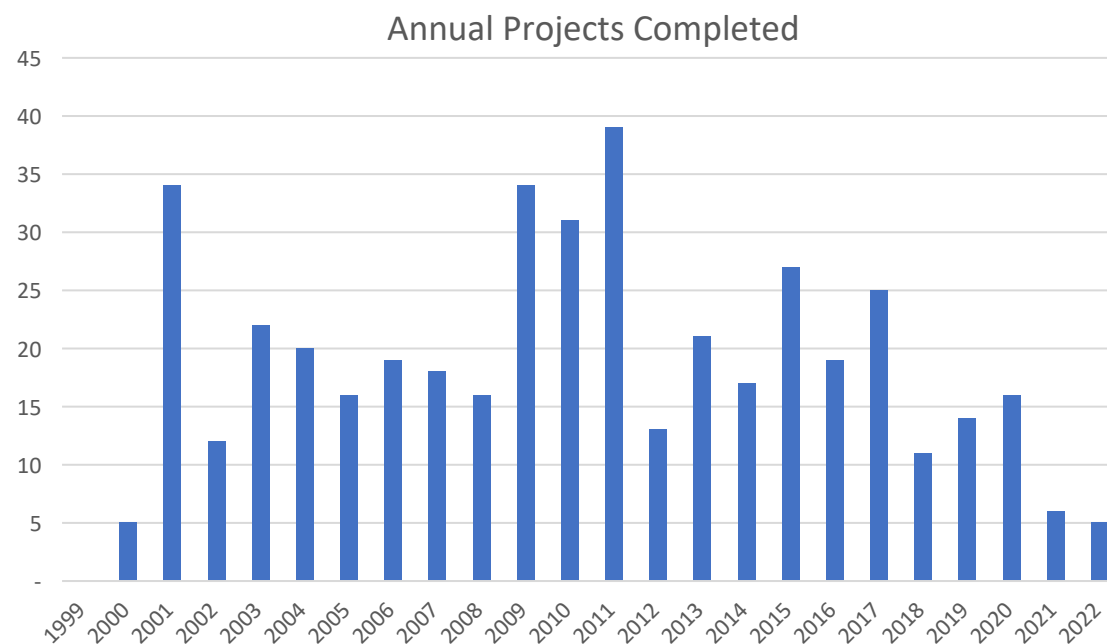
- 17,856 customers have participated since 2002
- 18,005 MWh cumulative 1st year energy savings since 2002
- 1.87 average annual TRC since 2002



BUSINESS ENERGY SOLUTIONS

This CMUA award-winning program provides incentives for large businesses to complete pre-approved energy saving projects. The maximum incentive increased from \$50,000 to \$100,000.

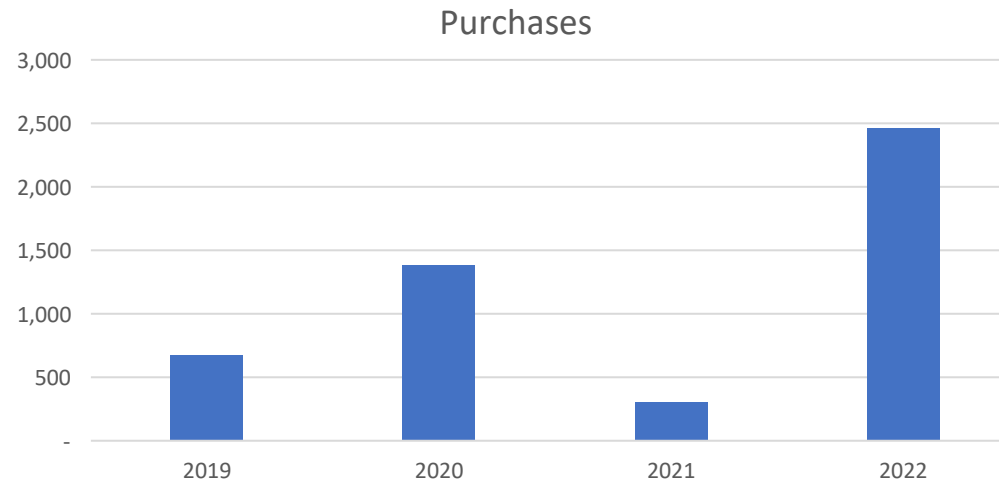
- 440 projects completed since 2000
- 70,543 MWh cumulative 1st year energy savings since 2000
- 3.29 average annual TRC since 2000



ONLINE STORE FOR ENERGY & WATER EFFICIENCY MEASURES

The online market store provides customers the ability to purchase discounted energy efficiency, water conservation measures and smart home energy devices. This store also supports the new Peak Savings Program.

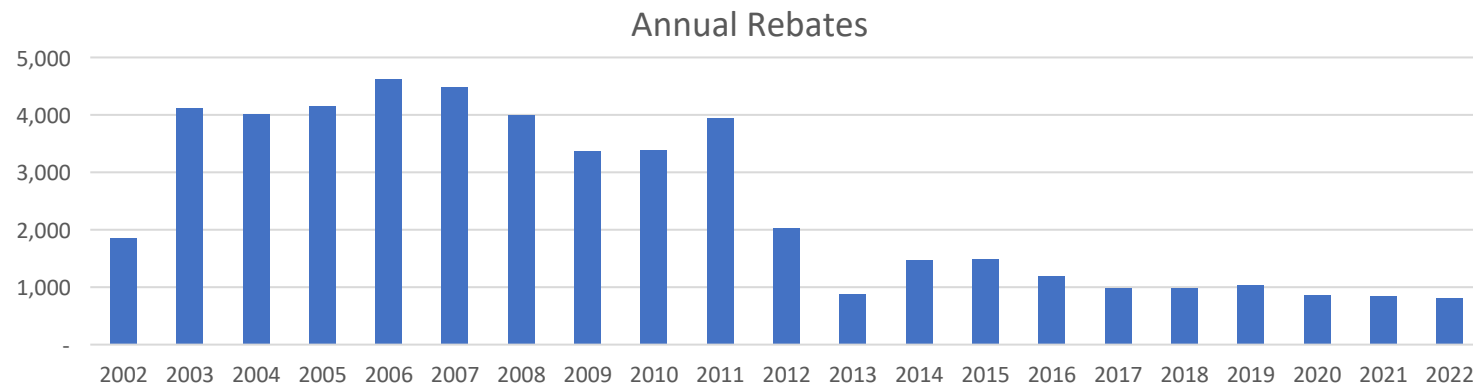
- Smart Thermostats
- LED lighting
- Advanced power strips
- Water saving measures



SMART HOME REBATES PROGRAM

First offered in 2002, provides incentives to purchase of Energy Star and other approved energy and water saving appliances and devices through an online application portal.

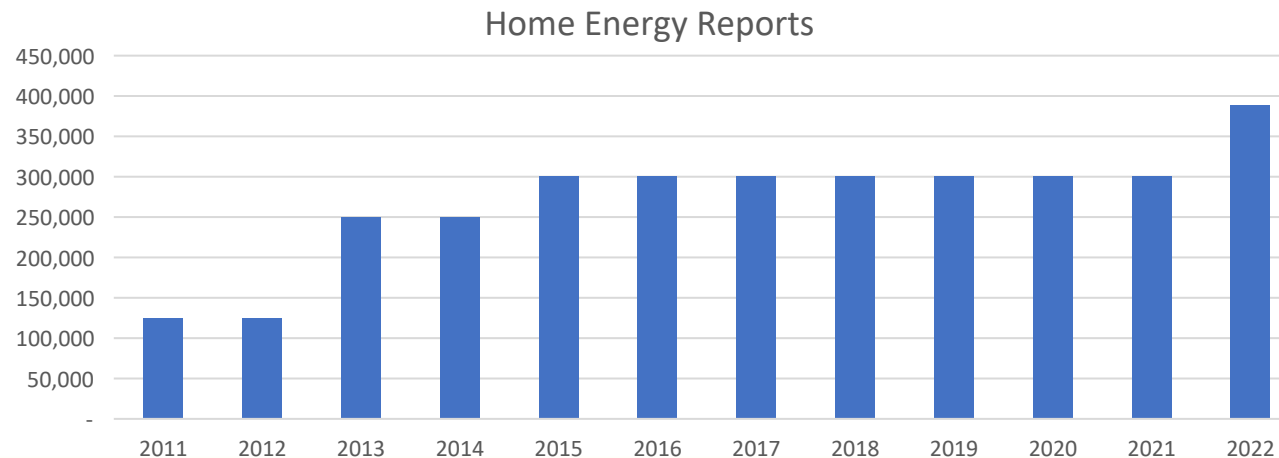
- Over 50,000 rebates provided since 2002
- 10,643 MWh in cumulative 1st year energy savings since 2002
- 0.78 average annual TRC since 2002



HOME ENERGY REPORTS AND ONLINE PLATFORM

Since 2009, this program has integrated usage data with third-party housing, GIS, and demographic data to derive personalized insights about customers energy use.

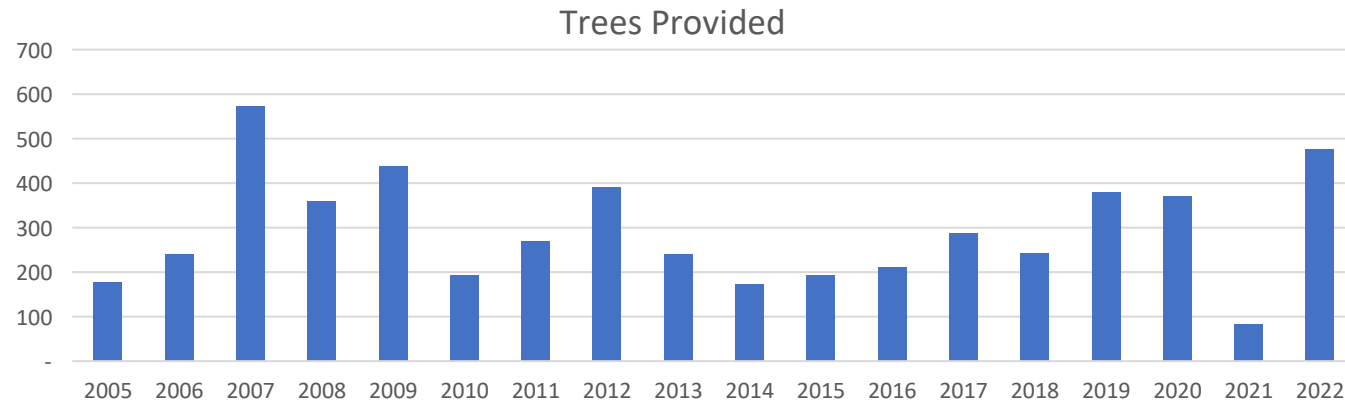
- 3,238,000 Home Energy Reports mailed since 2009
- 79,948 MWh in cumulative 1st year energy savings since 2009
- 1.27 average annual TRC since 2009



TREE POWER PROGRAM

Supports a cleaner, healthier, and more beautiful Glendale while helping residents save energy. Under this program, qualifying customers receive up to three shade trees, plus stakes, ties, and arbor guards at no direct cost to the customer.

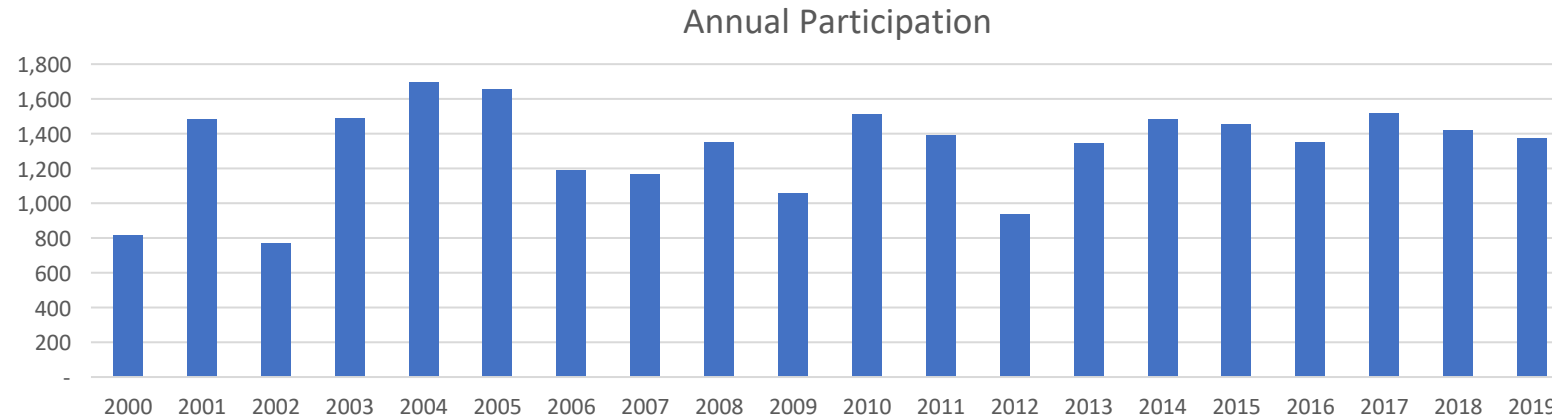
- 5,293 trees provided since 2004
- 1,544 MWh cumulative 1st year energy savings since 2004
- 8.06 average annual TRC since 2004



IN SCHOOL ENERGY & WATER CONSERVATION EDUCATION

Works with GUSD and private schools within Glendale. Educates sixth grade science students in the areas of energy and water conservation through a “hands on” curriculum.

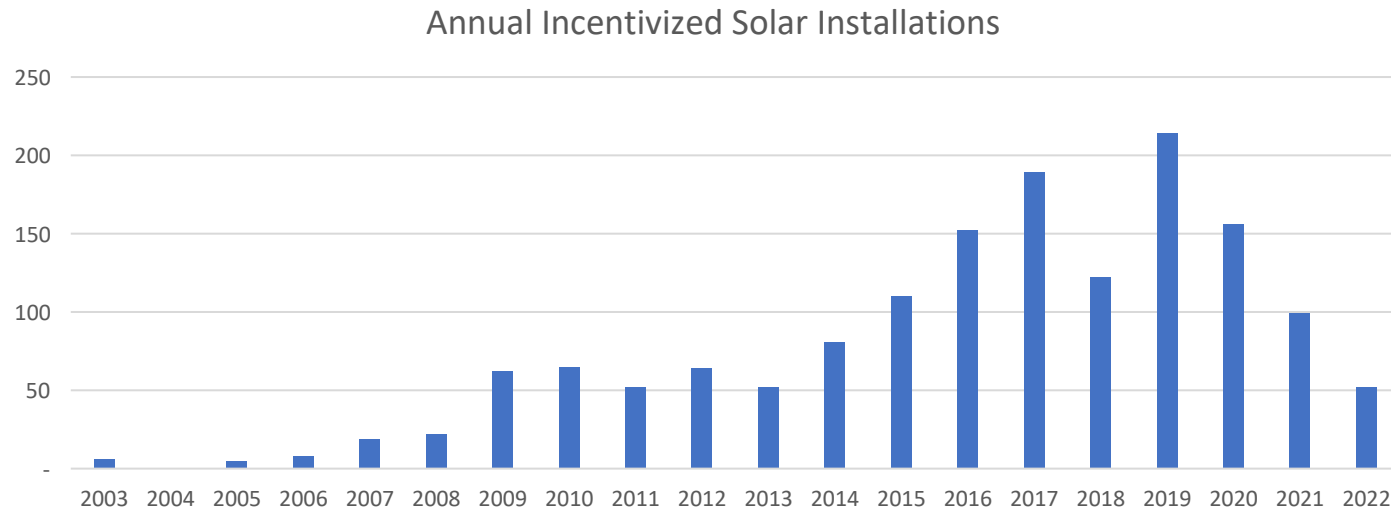
- 26,427 students have participated since 2001
- 12,900 MWh cumulative 1st year energy savings since 2001
- 4.87 average annual TRC since 2001



SOLAR SOLUTIONS PROGRAM

This program provided incentives to install solar photovoltaic systems since 2002.

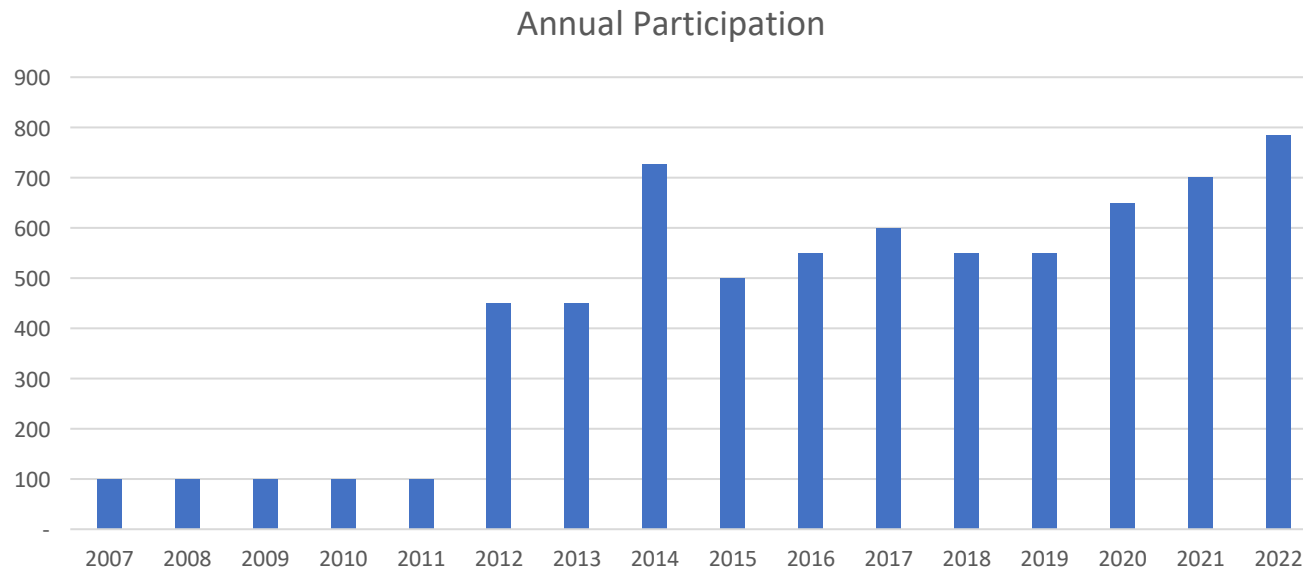
- 1,539 solar installations since 2002
- 12.4 incentivized MW installed since 2002
- Issued \$15.9 Million of incentives from 2002 through 2022



SOLAR SCHOOL HOUSE PROGRAM

Solar Schoolhouse has provided Glendale Unified School District and local private schools an array of photovoltaic training and activities for educators, and the tools to implement a K-12 solar education program.

- 7,010 students has participated since 2007



PEAK TIME OF USE ENERGY MONITOR

Customers who sign up for TOU rates will receive the Peek Energy Price Monitor and App that helps optimize electricity usage by changing energy consumption behaviors, and a \$10 a month bill discount for 12 months as long as they stay on TOU rate.

PEEK Time
Of Use App



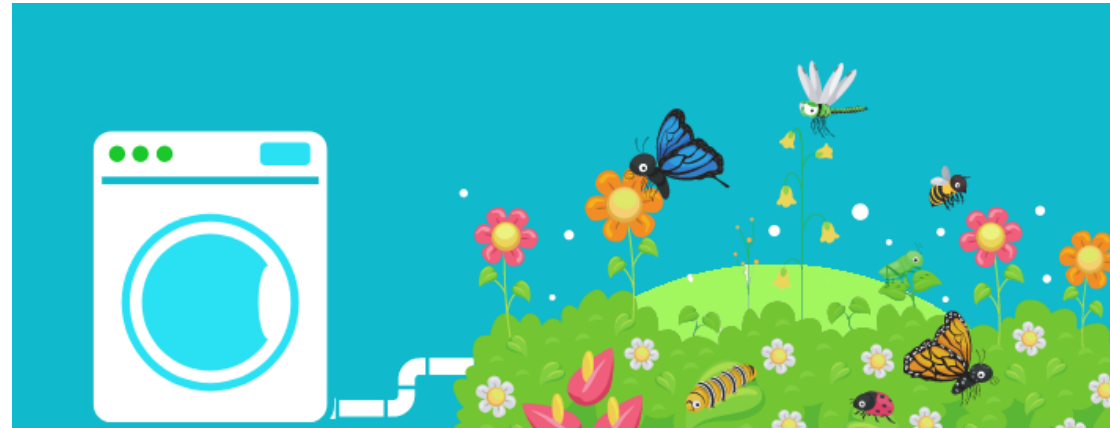
PEEK Time Of Use
Price Monitor



L2L DIY GREYWATER SYSTEMS

This program offers a rebate of up to \$500 (not to exceed the actual installed cost) for residential customers who install a Laundry to Landscape (L2L) greywater system that does not require a City permit.

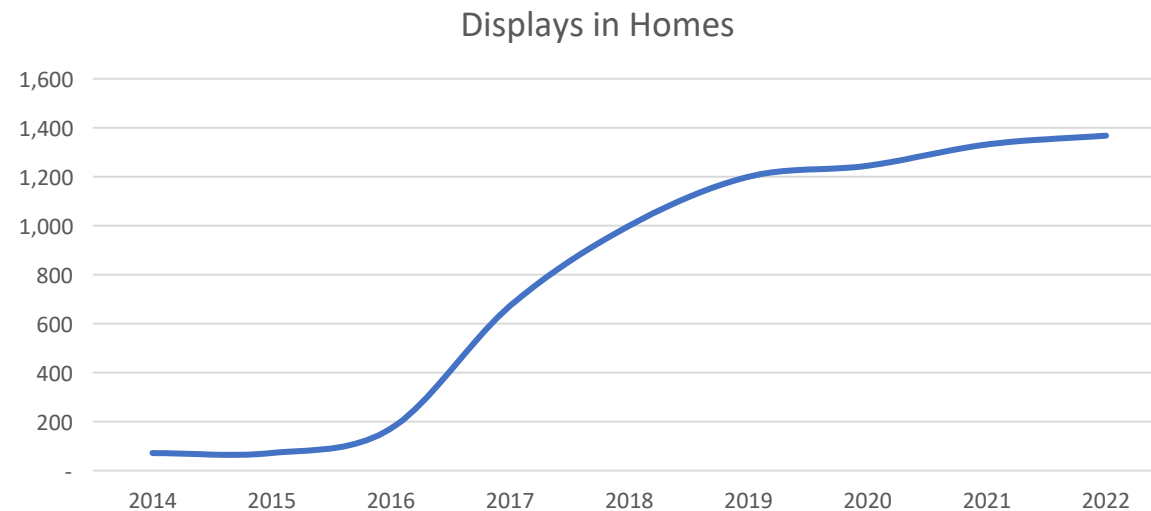
- Four rebates provided in FY 21-22



SMART HOME DISPLAY/THERMOSTAT

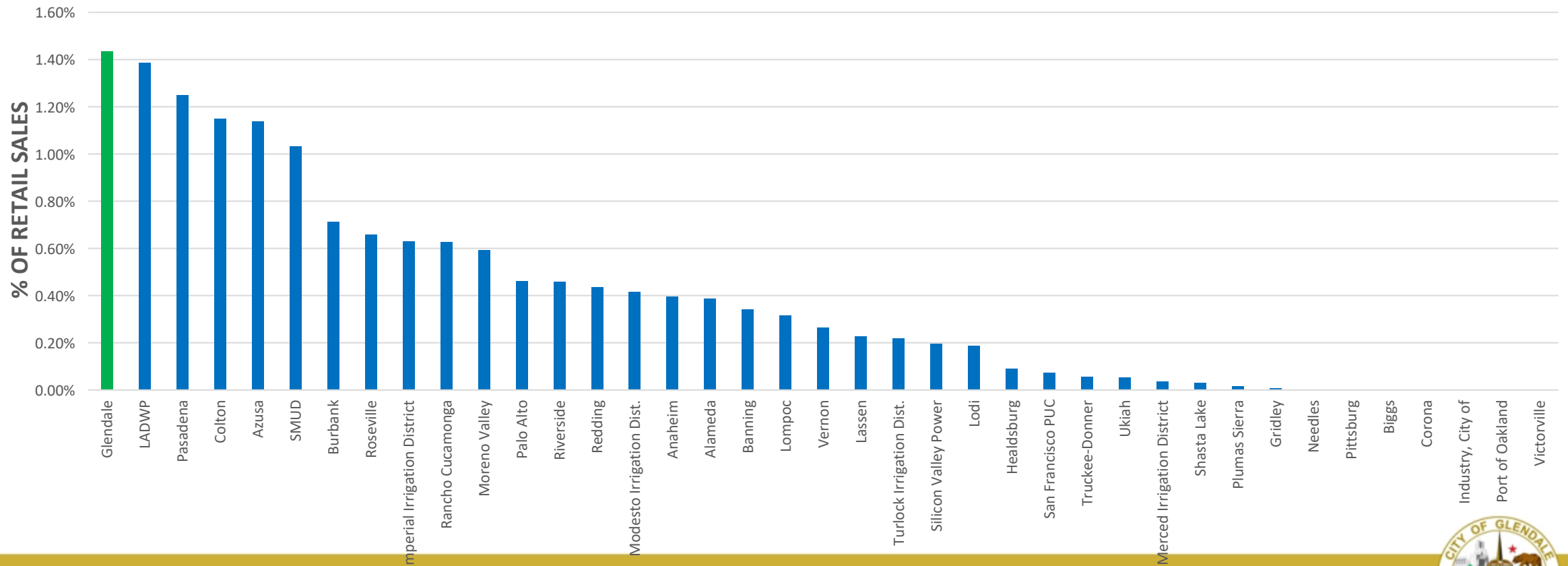
Provides an “In Home Display” that functions as a home area network to allow for real time connection to household appliances, and access to real time electric and next day water consumption. Customer can also get a Smart Thermostat with free installation services, and remote provisioning/Web portal.

- 1.40 average annual TRC since 2018



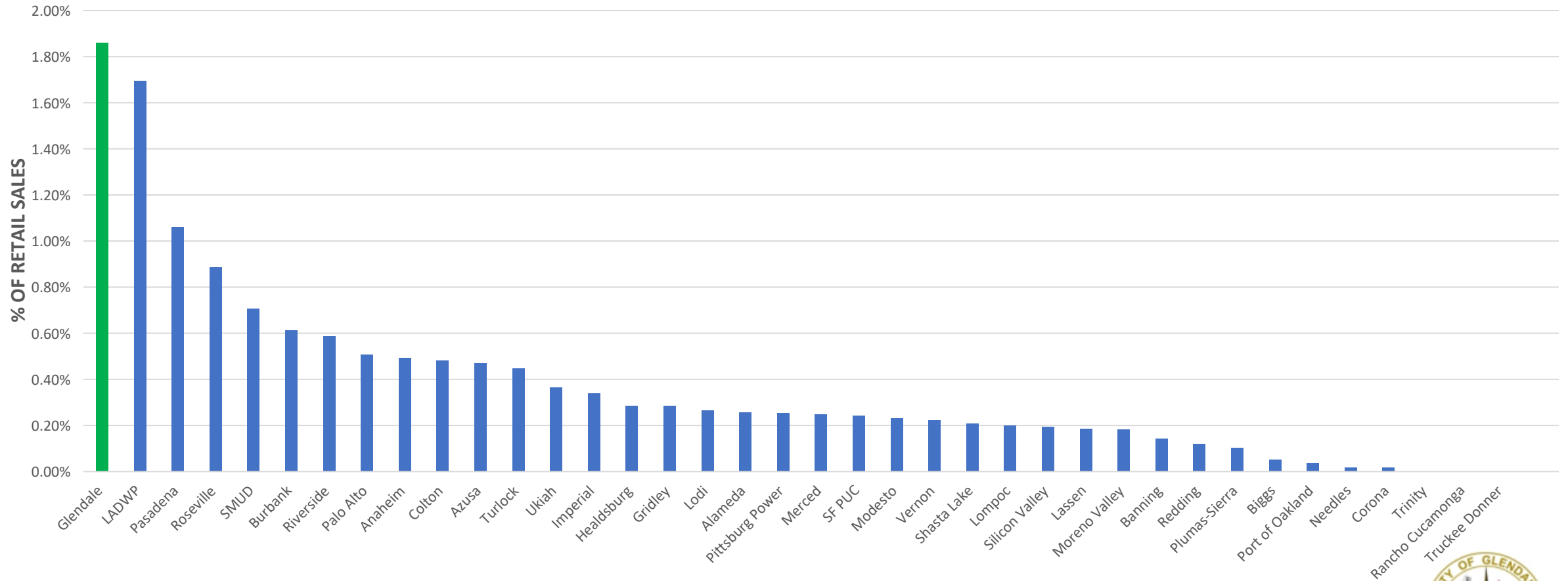
ENERGY EFFICIENCY COMPARISON TO CALIFORNIA UTILITIES

EE Totals for FY 2021-22



ENERGY EFFICIENCY POTENTIAL FORECAST

Average Annual Target for the next 10 Years



QUESTIONS





#MyGlendale