



CITY OF RIVERSIDE

CITY COUNCIL MEMORANDUM



HONORABLE MAYOR AND CITY COUNCIL

DATE: May 1, 2001

ITEM NO: 21

SUBJECT: ADMINISTRATION OF THE PUBLIC BENEFITS IMPLEMENTATION PLAN

Background:

In May 1998, the Board of Public Utilities and the City Council approved the Public Benefits Program Implementation Plan and periodically has approved additional Programs for inclusion in the Public Benefits Program Implementation Plan ("Public Benefits Plan"). The Public Benefits Plan was developed by Riverside Public Utilities (RPU), in response to the passage of Assembly Bill (AB) 1890, which requires a Public Benefit Charge (PBC) to be charged as a surcharge to utility customers. RPU has collected PBC funds since January 1, 1998. The funds are and have been used to implement the Public Benefits Plan.

The Public Benefits Plan, currently includes 30 different programs and guidelines for implementation of those Programs within the following four categories: (1) energy efficiency; (2) renewable resource technologies; (3) research, development, and demonstration; and (4) low-income assistance for residential customers ("Programs"). RPU staff continuously monitors the Programs for participation levels and effectiveness in meeting specific Program goals.

From time to time, RPU staff determines that minor changes are needed in Program guidelines or Program fund allocations to more effectively use PBC funds and to meet Program goals. These changes are often line item transfers of funds from one Program with a lower participation and/or effectiveness levels to a Program with higher levels, but still within RPU's approved annual Public Benefit Plan budget. The current established procedure requires staff to present all modifications to Program guidelines, even minor modifications, and transfers of funds between Programs, to the Board of Public Utilities and the City Council. This process impedes program efficiency and RPU's flexibility to effectively administer the Programs.

Staff proposes several changes to the administration of the Public Benefits Plan in order to streamline the process, while assuring all PBC funds are expended with appropriate review and internal controls and in accordance with the intent of AB 1890.

The first change would empower the Director of Public Utilities ("Director") to approve modifications to existing Program guidelines that are in accordance with AB 1890, as amended or replaced from time to time, and that reflect actual, reported and verified energy cost savings for downstream energy-efficiency incentive Programs. All new Programs and their guidelines would continue to be approved by the Board of Public Utilities and authorized by the City Council.

To assure non-discriminatory application of the guidelines, the Director would maintain the Program guidelines in the Utility's offices in City Hall for examination by the public and the Director would be prohibited from making any substantive Program guideline modifications more frequently than once per calendar quarter.

The next change would authorize the Director to approve fund transfers between Programs that have already been approved by the City Council. For example, the Thermal Energy Storage Program has low participation and a remaining budget of \$197,900, while the Low-Income Assistance Program has high participation and will spend the entire budget by the end of the fiscal year. This change would enable the Director to approve a transfer of funds between these Programs without further Board of Public Utilities or City Council approval.

Another change would authorize the payment of rebates pursuant to Program guidelines up to \$10,000 per residential customer per calendar year and \$100,000 per non-residential customer per calendar year. Such rebate payments would be subject to signature approval of the Director for rebates up to \$10,000 and of both the Director and Deputy Director for rebates exceeding \$10,000 and up to \$100,000. No rebates would be paid in excess of the annual approved budget for the Public Benefits Plan.

Periodic reports on the Programs, participation in the Programs and expenditures of the PBC funds under the Programs, would provide the Board of Public Utilities and City Council with an effective means of assuring that PBC funds are expended appropriately and effectively.

The Board of Public Utilities approved this item at its regular meeting on April 6, 2001.

Fiscal Impact:

There is no fiscal impact.

Alternatives:

The alternative is to continue in the current established procedure, which requires bringing each new or revised Program guideline or line-item transfer of Program funds to the Board of Public Utilities and City Council for approval, which significantly impedes efficient program administration.

RECOMMENDATION:

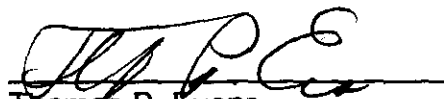
That the City Council:

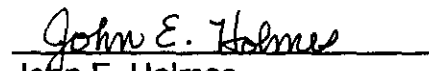
1. Authorize the Director to approve, no more frequently than quarterly, substantive Public Benefits Program Modifications, that are in accordance with Assembly Bill 1890, as amended or replaced from time to time, and that reflect actual, reported and verified energy cost savings for downstream energy-efficiency Programs;
2. Authorize the Director to approve fund transfers between Public Benefits Programs as necessary;

3. Authorize the Director to approve Program rebates up to \$10,000 per residential customer per calendar year and \$100,000 per non-residential customer per calendar year, for those customers satisfying Program guidelines criteria, provided that the signatures of both the Director and Deputy Director of Public Utilities are required to approve disbursement of such Program rebates greater than \$10,000, but less than \$100,000 per non-residential customer per calendar year; and
4. Direct Riverside Public Utilities staff to submit periodic Program reports to the Board of Public Utilities and City Council, for monitoring of the Programs' effectiveness, utilization, and expenditures.

Prepared by:

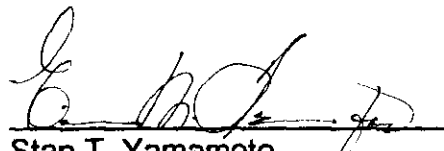
Approved by:


Thomas P. Evans
Public Utilities Director


John E. Holmes
City Manager

Approved as to form:

Concurs with:


Stan T. Yamamoto
City Attorney


Paul C. Sundeen
Finance Director

TPE/DHW/LAU

Attachments: Program Guidelines
Board of Public Utilities minutes of April 6, 2001

cc: City Attorney
City Clerk

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➡ ADMINISTRATION OF THE PUBLIC BENEFITS IMPLEMENTATION PLAN

Following an overview by Deputy Director Wright on the proposed Public Benefits implementation plan, the Board of Public Utilities approved and recommended that the City Council:

- 1) Authorize the Director to approve, no more frequently than quarterly, substantive Public Benefits Program Modifications, that are in accordance with Assembly Bill 1890, as amended or replaced from time to time, and that reflect actual, reported and verified energy cost savings for downstream energy-efficiency Programs;
- 2) Authorize the Director to approve funds transfers between Public Benefits Programs as necessary;
- 3) Authorize the Director to approve Program rebates up to \$10,000 per residential customer per calendar year and \$100,000 per non-residential customer per calendar year, for those customers satisfying Program guidelines criteria, provided that the signatures of both the Director and Deputy Director of Public Utilities are required to approve disbursement of such Program rebates greater than \$10,000, but less than \$100,000 per non-residential customer per calendar year; and
- 4) Direct Riverside Public Utilities staff to submit periodic Program reports to the Board of Public Utilities and City Council, for monitoring of the Programs' effectiveness, utilization, and expenditures.

Motion – Newberry, Jr., P.E. Second – Acharya. All ayes.

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• **AIR CONDITIONING REBATE FOR REPLACEMENT AND / NEW UNITS - RESIDENTIAL**

Program Description:

The Rebate program offers incentives for replacement or installation of central electric units with high efficiency equipment. Riverside Public Utilities is providing incentives to close the gap in cost between standard HVAC equipment and high efficiency equipment.

Incentive amounts are based on the unit's size rating - Seasonal Energy Efficiency Ratio (SEER) as defined by California Title 24 codes. The higher the SEER rating of the unit, the more energy efficient.

**AIR CONDITIONING REBATE - REPLACEMENT
CENTRAL ELECTRIC SYSTEMS**

EQUIPMENT	SEER	INCENTIVE
Packaged A/C	12.0 – 12.9	\$50 per ton
	13.0 Or Greater	\$70 per ton
Heat Pump	12.0 – 12.9	\$70 per ton
	13.0 Or Greater	\$80 per ton

Program Participation Goal - Replacement Of Central Electric Systems:

The replacement program is intended to target 375 central electric air conditioning units annually. This target is based on the following assumptions:

- There are 75,000 dwellings in Riverside Public Utilities' territory.
- The percentage of dwellings with central air conditioning is 50%.
- The average life of a central air conditioner is 20 years.
- The estimated number of air conditioning units replaced annually is 1,875 units.
- Riverside Public Utilities' goal is have 20% of those customers who could replace their old central air conditioners with a standard unit, buy a higher efficiency unit.
- The average incentive for a 3.5 ton 13.0 SEER unit is \$245.

**AIR CONDITIONING REBATE - NEW
CENTRAL ELECTRIC SYSTEMS**

EQUIPMENT	SEER (EER)	INCENTIVE
Packaged A/C	12.0 - 12.9 (11.0 - 11.99)	\$35 per ton
Packaged A/C	13.0 or greater (12.0 - or greater)	\$50 per ton
Heat Pump	12.0 - 12.9 (11.0 - 11.99)	\$45 per ton
Heat Pump	13.0 or greater (12.0 - or greater)	\$60 per ton

Program Participation Goal - New Central Electric Systems:

The rebate for the purchase of a new unit offers electric customers who are going to buy a new packaged a/c or heat pump, an incentive to purchase a more efficient unit.

The program is intended to target 60 central electric air conditioning units annually. This target is based on the following assumptions:

- There are 75,000 dwellings in Riverside Public Utilities territory.
- The percentage of dwellings with central air conditioning is 50%.
- The estimated number of new air conditioning units installed annually is 300.
- The average incentive for a 3.5 ton 13.0 SEER unit is \$175.

Program Guidelines

- Incentives are given on qualified electric air conditioners and heat pumps purchased and installed after December 15, 1998.
- The program is available to Riverside Public Utilities' residential electric customers. If the applicant is a renter, they must get the property owners signed approval on the application prior to submitting.

- A copy, dated sales receipt must be provided, subject to verification. Incentives will be paid to the Riverside Public Utility customer of record only.
- An on-site inspection is required prior to the issuance of the incentive payment.
- There will be a two-week turn-around from the time an application is received to the time the application is returned to Riverside Public Utilities for payment.
- Participants are asked to complete a Home Energy Savers Analysis that is used as a benchmark for energy savings attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to local HVAC contractors.
3. Receives rebate application from customers, date stamps.
4. Certifies that applicant is a Riverside Public Utilities electric customer.
5. Verifies efficiency rating of unit.
6. Schedules inspections of installations.
7. Conducts inspection of installation, checking model and coil type.
8. Signs off on application forms where noted.
9. Inputs customer data into Programs and Services database.
10. Supplies weekly Summary Report of Application Fulfillment.
11. Processes incentive payment.
12. Distributes Home Energy Savers Analysis questionnaire to program participants.

• **AIR CONDITIONING REBATE FOR REPLACEMENT AND / NEW UNITS - RESIDENTIAL**

Program Description:

The Rebate program offers incentives for replacement or installation of central electric and/or room units with high efficiency equipment. Riverside Public Utilities is providing incentives to close the gap in cost between standard HVAC equipment and high efficiency equipment.

Incentive amounts are based on the unit's size rating - Seasonal Energy Efficiency Ratio (SEER) as defined by California Title 24 codes. The higher the SEER rating of the unit, the more energy efficient.

**AIR CONDITIONING REBATE - REPLACEMENT
CENTRAL ELECTRIC SYSTEMS**

EQUIPMENT	SEER	INCENTIVE
Packaged A/C	12.0 – 12.9	\$50 per ton
	13.0 Or Greater	\$70 per ton
Heat Pump	12.0 – 12.9	\$70 per ton
	13.0 Or Greater	\$80 per ton

Program Participation Goal - Replacement Of Central Electric Systems:

The replacement program is intended to target 375 central electric air conditioning units annually. This target is based on the following assumptions:

- There are 75,000 dwellings in Riverside Public Utilities' territory.
- The percentage of dwellings with central air conditioning is 50%.
- The average life of a central air conditioner is 20 years.
- The estimated number of air conditioning units replaced annually is 1,875 units.
- Riverside Public Utilities' goal is have 20% of those customers who could replace their old central air conditioners with a standard unit, buy a higher efficiency unit.
- The average incentive for a 3.5 ton 13.0 SEER unit is \$245.

AIR CONDITIONING REBATE - NEW CENTRAL ELECTRIC SYSTEMS

EQUIPMENT	SEER (EER)	INCENTIVE
Packaged A/C	12.0 - 12.9 (11.0 - 11.99)	\$35 per ton
Packaged A/C	13.0 or greater (12.0 - or greater)	\$50 per ton
Heat Pump	12.0 - 12.9 (11.0 - 11.99)	\$45 per ton
Heat Pump	13.0 or greater (12.0 - or greater)	\$60 per ton

Program Participation Goal - New Central Electric Systems:

The rebate for the purchase of a new unit offers electric customers who are going to buy a new packaged a/c or heat pump, an incentive to purchase a more efficient unit.

The program is intended to target 60 central electric air conditioning units annually. This target is based on the following assumptions:

- There are 75,000 dwellings in Riverside Public Utilities territory.
- The percentage of dwellings with central air conditioning is 50%.
- The estimated number of new air conditioning units installed annually is 300.
- The average incentive for a 3.5 ton 13.0 SEER unit is \$175.

AIR CONDITIONING REBATE - ROOM UNITS

EQUIPMENT	RATING	INCENTIVE
Window A/C	ENERGY STAR® Model	\$50 1 unit maximum

Program Participation Goal - Room Units:

The Rebate program is intended to provide rebates to customers who purchase room air conditioners that are ENERGY STAR® models. ENERGY STAR® room air conditioners must exceed minimum federal standards for energy consumption by at least 15%.

The program is intended to target replacement or installation of 1,000 room units. This target is based on the following assumptions:

- There are 75,000 dwellings in Riverside Public Utilities' territory.
- The estimated percentage of dwellings with room air conditioners is 33%.
- The average life of a room air conditioner is 10 years.
- The estimated number of ENERGY STAR® air conditioners purchased locally is 5,000.
- Riverside Public Utilities' goal is get 20% of those customers who could replace their old room air conditioners with new ENERGY STAR® air conditioners.

Program Guidelines

- Incentives are given on qualified electric air conditioners and heat pumps purchased and installed after December 15, 1998.
- The program is available to Riverside Public Utilities' residential electric customers. If the applicant is a renter, they must get the property owners signed approval on the application prior to submitting.
- A copy, dated sales receipt must be provided, subject to verification. Incentives will be paid to the Riverside Public Utility customer of record only.
- An on-site inspection is required prior to the issuance of the incentive payment.
- There will be a two-week turn-around from the time an application is received to the time the application is returned to Riverside Public Utilities for payment.
- Participants are asked to complete a Home Energy Savers Analysis that is used as a benchmark for energy savings attributed to the program.

- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to local HVAC contractors.
3. Receives rebate application from customers, date stamps.
4. Certifies that applicant is a Riverside Public Utilities electric customer.
5. Verifies efficiency rating of unit.
6. Schedules inspections of installations.
7. Conducts inspection of installation, checking model and coil type.
8. Signs off on application forms where noted.
9. Inputs customer data into Programs and Services database.
10. Supplies weekly Summary Report of Application Fulfillment.
11. Processes incentive payment.
12. Distributes Home Energy Savers Analysis questionnaire to program participants.

- **HOME ENERGY ANALYSIS - RESIDENTIAL**

Program Description:

This service generates a free analysis of home energy use to identify potential energy efficiency measures and savings. Analysis is conducted utilizing software specific to bill desegregation in the Riverside Public Utilities climate zone. Historically, this program helps residential electric customers that request to participate in several of Riverside Public Utilities programs and/or want to better understand where their electric energy dollars are spent at home. Home Energy Analysis is performed via questionnaire. Electric customers complete the questionnaire at home and send it back to Riverside Public Utilities. Electric customers can request having a Riverside Public Utilities representative assist them via phone in completing the questionnaire. As part of the Weatherization Services Program, a Riverside Public Utilities representative gives the questionnaire to electric customers while in the customer's home.

Program Participant Goal:

The goal is to complete up to 4,775 Home Energy Analyses annually. This service supports the 6 residential programs and services listed under Program Guidelines below.

Program Guidelines:

The Home Energy Analysis serves as an integral component in support of the 6 following residential programs and services:

- Air Conditioning Replacement Incentives Program - Participants are asked to complete a Home Energy Analysis that is used as a follow-up in assessing the savings that can be attributed to a new air conditioning unit. This analysis helps the electric customer identify additional ways to keep electric use down, and assists staff in identifying electrical usage equipment and patterns. Annually there is the potential of 375 participants requiring a Home Energy Analysis.
- High Bill Inquiry Service - Electric customers are asked to complete a Home Energy Analysis to assist staff in identifying possible unanticipated usage and/or errors in billing. Annually there is the potential of 250 participants requiring a Home Energy Analysis.
- Low-income Assistance Program - Participants are asked to complete a Home Energy Analysis that is used as a follow-up to help electric customers identify ways to keep electric use down, and to assist staff in identifying electrical usage equipment and patterns. Annually there is the potential of up to 2,000 participants requiring a Home Energy Analysis.

- Refrigerator Purchase Incentive Program - Participants are asked to complete a Home Energy Analysis that is used as a follow-up to assess the savings that can be attributed to a new refrigerator. This analysis helps the electric customer identify additional ways of keeping electric use down, in addition to assisting the staff in identifying electrical usage equipment and patterns. Annually there is the potential of 750 participants requiring a Home Energy Analysis.
- Shade Tree Planting for Cooling Efficiency Program - Participants are asked to complete a Home Energy Analysis to help the electric customer identify ways to keep electric use down, as well as to establish a benchmark for future analysis of energy savings that can be attributed to shade tree planting. Annually there is the potential of 1,000 participants requiring a Home Energy Analysis.
- Weatherization Services Program - Participants with average monthly electric usage greater than 251 kilowatt hours are asked to complete a Home Energy Analysis. This is to help the electric customer identify ways to keep electric use down, as well as to serve as a benchmark for future analysis of energy savings that can be attributed to services provided as part of the three weatherization programs. Annually there is the potential of 400 participants requiring a Home Energy Analysis.

Program Implementation Responsibilities: Department

1. Produces marketing collateral materials specific to this program and maintains adequate supply.
2. Purchases and installs Home Energy Analysis software and produces a questionnaire that supports this software.
3. Prints questionnaire and maintains adequate supply.
4. Provides customers with Home Energy Analysis packet, which includes a questionnaire and pre-addressed, postage-paid, return envelope.
5. Sets-up and maintains a 1-800 assistance number for this program.
6. Receives and date stamps all questionnaires that have been completed by electric customers.
7. Checks for any errors or omissions.
8. Certifies that applicant is a Riverside Public Utilities electric customer.
9. Accesses CIS for customers billing history and enters it into software.
10. Enters questionnaire responses into Home Energy Analysis software.

11. Checks results against billing history.
12. Generates final report and prints copy for mailing to customers.
13. Inputs customer data into Programs and Services approved database.
14. Mails copy to customer.
15. Supplies weekly Summary Report of Questionnaire Fulfillment.

- **LOW-INCOME ASSISTANCE - RESIDENTIAL**

Program Description:

SHARE is a service that assists qualifying low-income households with a credit of \$150.00 toward their electric deposit and bill payment assistance. Qualified applicants can apply for assistance once every 12 months.

Customers may donate to the SHARE program through their utility bill payment. Customers donating \$10 or more a year receive a written receipt in January of their annual contribution for tax purposes.

Program Participation Goal:

The goal is to process 1,000 low-income deposits and 1,000 low-income assistance requests annually.

Program Guidelines:

- Assistance is available to Riverside Public Utilities electric customers that meet low-income criteria based on the Federal Poverty Guidelines.
- Low-income customers may apply for assistance once every 12 months.
- There will be a two week turn-around from the time an application is received by contractor to the time the application is returned to Riverside Public Utilities for processing.
- Participants in the program may be asked to complete a Home Energy Analysis that is used to educate electric customers on ways to reduce electric usage and make their assistance monies go further.

Program Implementation Responsibilities: Department

1. Prepare and monitor the necessary agreements with a selected contract for administration of this program.
2. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
3. Receives from contractor a daily listing of customers who are to receive assistance and the dollar amount to be credited to account.
4. Enters assistance information and dollar amount of any credit into CIS.

5. Distributes Home Energy Analysis questionnaire to program participants.
6. Prepare a written receipt in January of each year for customers donating \$10 or more to the SHARE program.

Program Implementation Responsibilities: Contractor

1. Enter into a service agreement with Riverside Public Utilities for the administration of this program.
2. Sets up and maintains a 24 hour 1-800 number to schedule appointments for the program.
3. Provides a minimum of one centralized local office convenient for applicants to access via public transit.
4. Certifies that applicant is a Riverside Public Utilities electric customer.
5. Qualifies applicant's income level and need for assistance.
5. Provides Riverside Public Utilities with a daily listing of customers who are to receive assistance and the dollar amount to be credited to account.

• **MEDICAL SUPPORT RATE – PAYMENT ASSISTANCE PROGRAM – RESIDENTIAL**

Program Description:

Utilicare is a bill assistance program that provides a defined quantity of electricity at reduced rates to any household with a FULL-TIME RESIDENT who requires certain medically necessary equipment. Riverside Public Utilities provides this reduced rate for eligible residential customers that regularly require the use of:

1. An essential electric medical device. Qualifying devices are listed below. Non-approved device requests are subject to review and approval.
2. Permanently installed electric space heating for paraplegic, quadriplegic, hemiplegic or multiple sclerosis patients.
3. Permanently installed electric air conditioning for multiple sclerosis or scleroderma patients.

Program Participant Goal:

The goal is to aid customers and help offset the added expenses of increased electrical consumption due to certain medical conditions.

Program Guidelines:

To apply for Utilicare allowances, an application must be filled out completely by the customer and the customer's doctor. All medical information contained in the application is considered confidential and will be treated by Riverside Public Utilities as such.

A new application may be required when there is a customer address change. Applications are subject to approval and periodic review by Riverside Public Utilities, and all applications are subject to annual renewal. Customers are required to notify Riverside Public Utilities when medical equipment is no longer necessary and usage is reduced.

Although Riverside Public Utilities makes every effort to supply uninterrupted service, continuous service cannot be guaranteed due to circumstances beyond the Riverside Public Utilities' control. Therefore, customers requiring the use of life-support equipment should be advised to provide and maintain their own power backup systems. Continued service is not guaranteed to any customer or any customer's unique circumstance, medical or otherwise. Having Utilicare does not excuse or relieve the customer's responsibility to keep their account paid in full.

• QUALIFYING MEDICAL DEVICES

Aerosol Tent	Hemodialysis Machine
Apnea Monitor	Heparin Pump
Blood Pump	Infusion Pump (Hyperalimentation)
Compressor/Concentrator	IPPB Machine
Electrostatic Nebulizer	Motorized Wheelchair
Extremity Pump	Oxygen Concentrator
Heating Device for Respirator	Portable Volume Ventilator
Pressure Pad	Pressure Pump
Respirator	Reverse Osmosis System
Suction Device	Ultrasonic Nebulizer

Program Implementation Responsibilities: Department

1. Produces marketing collateral materials specific to this program and maintains adequate supply.
2. Prints applications and maintains adequate supply.
3. Maintains applications with Customer Service.
4. Receives and date stamps all applications that have been completed by customers.
5. Checks for any errors or omissions.
6. Certifies that applicant is a Riverside Public Utility electric customer.
7. Certifies that equipment qualifies under program and forwards applications on to supervisor.
8. Determines which of two qualifying rates will be applied to customer account based on participating medical equipment and as determined by Customer Service.

• REFRIGERATOR PURCHASE REBATE - RESIDENTIAL**Program Description:**

Provides monetary incentives for purchase of new high efficiency Energy Star rated refrigerators that use 20% to 50% less electricity than standard units of comparable size.

INCENTIVE TABLE FOR NEW REFRIGERATOR PURCHASES

EQUIPMENT	SIZE IN CUBIC FEET	INCENTIVE
Energy Star rated Refrigerator using 20% to 29.9% less electricity than a standard unit	Minimum of 14.3	\$75.00 rebate
Energy Star rated Refrigerator using 30% to 50% less electricity than a standard unit	Minimum of 14.3	\$100.00 rebate

Program Participation Goal:

The Refrigerator Purchase Incentive program is intended to target 750 customers who purchase Energy Star units. This target is based on the following assumptions:

- There are 75,000 dwellings in Riverside Public Utilities territory.
- The percentage of dwellings with a refrigerator is 100%.
- The average life of a refrigerator is 20 years.
- The estimated number of refrigerators replaced annually is 3,750 units.
- Riverside Public Utilities goal is to get 20% of those customers who could purchase a standard unit to go with a higher efficiency Energy Star unit.

Program Guidelines:

- Incentives are given on qualified refrigerators purchased on or after December 15, 1998.
- To qualify for a credit of \$75.00 the Energy Star refrigerator must be 14.3 cubic feet or greater in size and 20% to 29.9% more efficient than a standard unit.
- To qualify for a credit of \$100.00 the Energy Star refrigerator must be 14.3 cubic feet or greater in size and 30% to 50% more efficient than a standard unit.
- The program is available to Riverside Public Utilities residential electric customers.
- Incentives will be paid to the Riverside Public Utilities customer of record only.
- A copy of the original, dated sales receipt must be provided.
- An on-site inspection of 10% of the refrigerators is required, with inspections scheduled on a minimum of 2 weekdays plus Saturdays between the hours of 7:00 am and 7:00 pm.
- Participants are asked to complete a Home Energy Analysis that is used as a benchmark for energy savings attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to local retail sales outlets.
3. Receives and date stamps incentive applications from customers.
4. Certifies that applicant is Riverside Public Utilities customer.
5. Verifies energy efficiency rating of refrigerator.

6. Schedules inspections of 10% of units.
7. Conducts inspection of installation, checking model.
8. Signs off on application forms where noted.
9. Inputs customer data into Programs and Services database.
10. Supplies weekly Summary Report of Application Fulfillment.
11. Processes incentive payment.
12. Distributes Home Energy Analysis questionnaire to program participants.

- **REFRIGERATOR / FREEZER RECYCLING INCENTIVES - RESIDENTIAL**

Program Description:

Provides monetary incentives for recycling of old operating inefficient refrigerators and/or stand alone freezers which are picked-up and transported to a recycling facility for processing.

INCENTIVE TABLE FOR RECYCLING OF SECOND REFRIGERATORS

EQUIPMENT	SIZE IN CUBIC FEET	INCENTIVE
Operating Refrigerator	12 to 28	\$ 25.00 rebate
Operating Stand Alone Freezer	12 to 28	\$ 25.00 rebate

Program Participation Goal:

The Refrigerator / Freezer Recycling program is for the pick-up and recycling of 1,000 old operating inefficient refrigerators and freezers annually. Participants are issued a \$ 25.00 rebate. The participation goal is based on the following assumptions:

- Based on recycling industry surveys of similar program offered in cities with population equal to Riverside Public Utilities.

Program Guidelines:

- The program is available to Riverside Public Utilities residential electric customers.
- The limit is one appliance pick up, and one rebate per year per customer account.
- Rebates will be paid to customer of record only.
- To qualify for a rebate of \$25.00, the operating refrigerator or freezer must be 12 to 28 cubic feet in size.
- The program is being offered to provide energy savings to the participating customers and to the utility.

- The program will provide education on the benefits of proper reclamation of older inefficient refrigerators or freezers.
- Incentives will be given for removal and recycling of materials from working refrigerators and freezers.
- A contractor retained by Riverside Public Utilities must do removal.
- Incentives will be given within 2 weeks after the refrigerator or freezer has been picked-up for recycling.
- Participants are asked to complete a Home Energy Analysis that is used as a benchmark for energy savings attributed to the program.
- Program will continue provided funds are available.

Program Implementation Responsibilities: Programs & Services

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Process the rebate check.
3. Input customer data into Programs and Services database.
4. Distributes Home Energy Analysis questionnaire to program participants.

Program Implementation Responsibilities: Contractor

1. Provides personnel and services for incentive fulfillment.
2. Provides services to collect and transport eligible refrigerators and freezers to a recycling facility in an environmentally safe manner.
3. Processes refrigerators and freezers (using environmentally sound methods to safely remove, manage and dispose of materials requiring special handling in accordance with all Federal, State and local requirements).
4. Supplies Riverside Public Utilities with vouchers collected from customers.
5. Supplies Riverside Public Utilities with monthly summary and activity reports.

- **TIME- OF- USE ENERGY MANAGEMENT AND RATE ASSISTANCE PROGRAM - RESIDENTIAL**

Program Description

U-Rate is an energy management and rate assistance program that offers eligible residential electric customers a lower off-peak rate for shifting electric use to off-peak periods. By using electricity at off-peak hours, customers can save money over the standard residential electric rate. Savings will vary based on usage. Customers who would benefit from the residential Time-of-Use Rate Assistance program would be those able to shift their electrical use to off-peak hours. Time-of-Use customers have the choice of shifting their electrical load to the following off-peak periods:

Weekday summer:	8pm to Noon
Weekday winter:	10pm to 4pm
Weekends:	Anytime
Holidays:	Anytime on legal holidays

<u>Time-of-Use Rates</u>	<u>May - October</u>	<u>November - April</u>
On - Peak	18.54 kWh	15.94 kWh
Off - Peak	5.44 kWh	4.34 kWh

Program Benefits:

U-Rate is based upon sharing the cost of savings with customers for shifting a large demand for electricity to off-peak periods when the utility's cost of purchasing power is less expensive.

Program Guidelines:

- Applicants for this program must be electric customers of Riverside Public Utilities. If the applicant is a renter or tenant, the owner(s) must sign the U-Rate application prior to submitting.
- Applicants must occupy a single family metered residence and use at least 9,000 kilowatt-hours (kWh) of electricity annually or an average of 750 kWh per month.
- Applicants must provide unobstructed access to the electric meter.
- Applicants must permit Riverside Public Utilities to make necessary time-of-use meter modifications.
- Time-of-Use customers may return to the standard electrical rate at any time. However, they must agree to time-of-use rates for one year if they wish to return to the U-rate program.
- Program participants will be charged a metering charge of \$7.14 per month. The standard metering charge for a non time-of-use meter is \$3.06 per month.

Program Implementation Responsibilities: Department

- (1) Produces application and marketing collateral materials specific to this program and maintains adequate supply.
- (2) Distributes materials to U-Rate customers.
- (3) Receives incentive applications from electric customers and processes necessary work order.
- (4) Certifies that applicant is Riverside Public Utilities electric customer.
- (5) Orders necessary metering equipment and notifies customer of schedule.

- **SHADE TREE PLANTING FOR COOLING EFFICIENCY – RESIDENTIAL**

Program Description

This program provides incentives to residential customers to plant shade trees in locations around their homes to help save on summer cooling costs. The program is based on the American Public Power Association's "Tree Power" Program. The electric customer receives a rebate check from Riverside Public Utilities for up to \$25.00 per tree toward their cost to purchase up to five trees annually. Local nurseries sell five-gallon trees at this price point.

Program Participation Goal

The goal is for 1,000 trees to be planted annually.

Program Guidelines

- The program is available to Riverside Public Utilities residential electric customers. If the customer is a renter, they must get the property owners signed approval on the application prior to submitting.
- Customer receives a rebate check for up to \$25.00 toward their cost to purchase up to five trees per year.
- The trees must be purchased from a City of Riverside merchant, and a copy of the original sales receipt must be provided.
- Only specific species of trees qualify for this program.
- Trees must be sited and planted within 10 to 35 feet of the foundation to achieve maximum energy efficiency without negatively impacting any dwelling, utility lines or solar access.
- Trees must be planted within 14 days of purchase.
- Customer must sign liability agreement and agree to the long-term care of the tree.
- Participants are asked to complete a Home Energy Analysis that is used as a benchmark for assessing the energy savings that can be attributed to the program.

- Riverside Public Utilities does not endorse or recommend specific products or dealers nor does it guarantee material or workmanship. Acceptance of such is the customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Receives completed application from customer.
3. Certifies that applicant is a Riverside Public Utilities electric customer.
4. Provides customer with aerial view map of their home (CADME) showing utility lines, property lines, and recommended site for planting tree(s). Provides customer with instructional material on how to plant and care for tree(s).
5. Distributes Home Energy Analysis questionnaire to program participants.
6. Conducts follow-up inspection within three weeks of planting date to a minimum of 25 percent of the participants to make sure that the tree was properly planted and maintained in accordance with guidelines.
7. Processes requests for payment of rebates.
8. Processes Home Energy Audit and provides customer with results.
9. Follow-up analysis (25 percent of participants) in approximately three years when the tree matures to determine energy savings.

- Qualifying Shade Tree species:

Maidenhair	Goldenrain	Raywood Ash
Chinese Flame	Liquidamber	London Plane
Chinese Hackberry	Sawleaf Zelkova	Chinese Pistache
Desert Willow	Jacaranda	Pink Trumpet Tree
Crape Myrtle	Silk Tree	Bradford Pear
Chinese Evergreen Elm	Tulip Tree	Majestic Beauty
Western Catalpa	Redbud (eastern or Oklahoma)	

- **WEATHERIZATION SERVICES - RESIDENTIAL**

Program Description:

Provides to households with disabled, seniors, and/or low-income residents, free installation by a Riverside Public Utilities representative of any or all of the following materials:

1. Weather stripping around up to 2 entry doors and up to 4 exterior windows.
2. Door sweeps on up to 2 entry doors.
3. One blanket for an electric water heater.
4. Up to 2 water-saving showerheads.

Provides a free Home Energy Analysis when the electric customer's average monthly electric usage is greater than 250 kilowatts. This is filled out at the customer's home during the course of the visit. (Refer to Attachment A for complete description of the Home Energy Analysis program.)

Program Participation Goal:

The goal is to offer this service annually to 750 households based on the following assumptions:

- Prior annual participation rates for this program average 500.
- A 50 % increase in the average participation rate.

Program Guidelines:

- Participants are asked to complete a Home Energy Analysis that is used as a benchmark for determining the energy savings that can be attributed to the program.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Purchases all weatherization materials used in program.
3. Distributes applications to electric customers.

4. Receives and date stamps application forms.
5. Certifies that applicant is Riverside Public Utilities electric customer and is either disabled, a senior, or low-income.
6. Schedules installation of materials.
7. Conducts installation of materials as needed.
8. Signs off on application forms where noted as to time necessary for installation and materials used.
9. Inputs customer data into Programs and Services database.
10. Supplies weekly Summary Report of Application Fulfillment.
11. Distributes Home Energy Analysis questionnaire to program participants.

- **POOL SAVER SWIMMING POOL PUMP INCENTIVE - RESIDENTIAL**

Program Description:

The Pool Saver program offers swimming pool owners a \$5 credit on their monthly electric bill for setting their pool pump timer to operate during off-peak hours. This incentive is a cost share of the savings realized when residential electric loads are shifted from the higher cost on-peak hours to lower cost off-peak hours.

Program Participation Goal:

The goal is for an estimated 6,000 residential electric customers to receive a credit.

Program Guidelines:

- The program is available to Riverside Public Utilities residential electric customers. Only one Pool Saver credit per eligible household.
- The swimming pool must be a permanent fixture with a permanently installed pump, motor, filter and automatic timer to control the operation of the pump.
- The pump's motor must be rated at a minimum of three-quarters horsepower. Stand-alone spas are not eligible for Pool Saver.
- Participants should reset their pool pump timers so that the pumps do not operate between noon and 10p.m., when the demand for electric power peaks.
- Participants should complete and sign a Pool Saver agreement and return it to Riverside Public Utilities.
- Following the receipt of a signed agreement, electric customers should allow six to eight weeks for a Pool Saver credit to appear on their bill.
- Riverside Public Utilities has the right to inspect any participant's automatic timer for the proper settings.
- Riverside Public Utilities does not endorse or recommend specific products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Receives and date stamps completed application from customer.
3. Certifies that applicant is a Riverside Public Utilities electric customer.
4. Applies a \$5 credit to the customer's monthly utility billing as long as the customer adheres to the agreed pool pump timer settings.
5. Conducts follow-up inspections.
6. Distributes Home Energy Analysis questionnaire to program participants.
7. Processes Home Energy Analysis and provides customer with results.

- **RESIDENTIAL ULTRA LOW-FLUSH TOILET (ULFT) INCENTIVE PROGRAM**

Program Description:

This new program offers financial incentives to residential retail water customers to replace their existing high water-use fixtures. Funding comes from the Metropolitan Water District of Southern California (MWD) Residential Ultra Low-Flush Toilet Incentive Program provided to Riverside Public Utilities (Utilities) through an agreement with Western Municipal Water District. Incentives are given on a first come, first serve basis for qualified equipment purchased and installed upon contract approval. Incentives are provided for Ultra Low-Flush Toilets (ULFT) that use 1.6 gallons of water per flush.

Program Schedule:

Program funds become available on July 1, 2000 pending contract approval, for fiscal year 2000-2001 water conservation program. Funds for the fiscal year 2001-2002 will be available July 1, 2001. The goal of the program is to disburse all incentive funds by June 30 of each respective year. The Marketing Communications staff will develop required application and marketing collateral materials specific to this program.

Program Incentives and Participation Goals:

Riverside Public Utilities is providing incentives to close the gap in cost between standard equipment and high efficiency equipment. This is a downstream incentive program with customers receiving incentives to help reduce the cost of new equipment. There is a maximum incentive of \$57 per unit.

Program Water Conservation Results:

Water conservation results are to be calculated after installation of all equipment. This is because water savings vary greatly by dwelling type and equipment usage factors. The final report will document program water conservation results.

Program Guidelines:

- Incentives are given on a first come, first serve basis for qualified equipment purchased and installed after July 1, 2000.
- ULFT must be rated at 1.6 gallons per flush (gpf) or less.
- The program is available to residential water customers with a maximum incentive of \$57 per unit. If the applicant is a renter, they must get the property owner's signed approval on the application prior to submitting.
- Incentives will be paid to Riverside Public Utilities customer-of-record only.

- A copy of the dated sales receipt must be provided at time of inspection.
- A minimum of 98 percent of the ULFTs rebated must be verified as installed at the residential address recorded for installation. Riverside Public Utilities will randomly select participating customers for telephone surveys or in-residence inspections.
- Metropolitan (or their respective designated installation verification consultant) reserves the right to conduct installation verification of ULFT within Western's service area. Metropolitan may randomly inspect the ULFT installations reported by Riverside to establish the installation percentage.
- Program will continue providing funds are available.
- Participants are encouraged to complete a Residential Water Use Survey. The survey is used as a follow-up to provide savings attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to customers, local plumbing contractors, and plumbing supply retailers.
3. Receives incentive applications from customers and date stamps.
4. Assures that project complies with requirements of the California Environmental Quality Act (CEQA).
5. Certifies applicant is Riverside Public Utilities water customer.
6. Verifies equipment qualifications.
7. Schedules inspections for 98% of installations.
8. Inputs customer data into Programs and Services database.
9. Issues final incentive payment.
10. Generates required quarterly program status reports and final report.

- **ENERGY STAR® APPLIANCE REBATE**

Program Description

This program provides monetary incentives for the purchase of new high efficiency ENERGY STAR® rated appliances that use less electricity than standard units of comparable size.

In 1999, Riverside Public Utilities became an official ENERGY STAR® Utility Partner. ENERGY STAR® is a voluntary partnership between the U.S. Department of Energy, the U.S. Environmental Protection Agency, product manufacturers, local utilities, and retailers. Partners help promote efficient products by labeling them with the ENERGY STAR® logo and educating consumers about the benefits of energy efficiency.

Rebate amounts are based on the size and efficiency of the new ENERGY STAR® unit. Typical appliances that would qualify are shown below, or similar appliances that Riverside Public Utilities deem eligible.

INCENTIVE TABLE FOR NEW PURCHASES

APPLIANCE	MINIMUM RATING	INCENTIVE
Home Electronics Combination Package Televisions Video Cassette Recorders (VCR) Digital Video Discs (DVD) TV-VCR combos Audio Equipment	ENERGY STAR® compliant	Purchases of \$100.00 – \$249.99 \$25.00 rebate
		Purchases of \$250.00 – \$499.99 \$50.00 rebate
		Purchases of \$500.00 – \$999.99 \$100.00 rebate
		Purchases over \$1,000.00 \$200.00 rebate
Home / Office Combination Package Computers Monitors Printers Photocopiers Fax Machines	ENERGY STAR® compliant	Purchases of \$100.00 – \$249.99 \$25.00 rebate
		Purchases of \$250.00 – \$499.99 \$50.00 rebate
		Purchases of \$500.00 – \$999.99 \$100.00 rebate

		Purchases over \$1,000.00 \$200.00 rebate
Dishwasher	ENERGY STAR® rating of at least 13%	\$50.00 rebate
Room Air Conditioner	ENERGY STAR® rating of at least 15%	\$50.00 rebate
Refrigerator	Minimum of 14.3 cubic feet ENERGY STAR® rated using 20% to 29.9% less electricity than a standard unit	\$75.00 rebate
Refrigerator	Minimum of 14.3 cubic feet ENERGY STAR® rated using 30% to 50% less electricity than a standard unit	\$100.00 rebate
Clothes Washer	ENERGY STAR® rating of at least 50%	\$100.00 rebate

Program Participation Goal

The ENERGY STAR® Appliance Rebate Program is intended to target 750 customers who purchase ENERGY STAR® appliances. This target is based on the following assumptions:

- There are 75,000 dwellings in Riverside Public Utilities service territory.
- The percentage of dwellings with an appliance named above is 100%.
- The estimated number of appliances replaced annually is 3,750.
- Riverside Public Utilities' goal is for 20% of those customers who could purchase a standard unit to buy a higher efficiency ENERGY STAR® unit instead.

Program Guidelines

- Incentives are given on qualifying appliances purchased on or after August 22, 2000.
- To qualify for a rebate, customers must purchase ENERGY STAR® rated appliances as outlined above in the incentive table for new purchases.
- The program is available to Riverside Public Utilities electric customers.
- Incentives will be paid to the Riverside Public Utilities electric customer of record only.
- Appliances must be installed in Riverside Public Utilities electric service area and at residence of electric customer of record.
- A copy of the original, dated sales receipt must be provided.
- An on-site inspection of 10% is required.
- Participants are encouraged to complete a Home Energy Analysis that is used as a benchmark for assessing the energy savings that can be attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers nor does it guarantee material or workmanship. Acceptance of such is the customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to local retail sales outlets.
3. Receives and date stamps incentive applications from customers.
4. Certifies that applicant is a Riverside Public Utilities electric customer.
5. Verifies energy efficiency rating of appliance(s).
6. Schedules inspections of 10% of units.
7. Conducts inspection of installation(s), checking model.

8. Signs off on application forms where noted.
9. Inputs customer data into Programs and Services database.
10. Processes incentive payment.
11. Distributes Home Energy Savers questionnaire to program participants.

- **ALTERNATIVE FUEL VEHICLE PURCHASE INCENTIVE**

Program Description

This program provides monetary incentives for the purchase or lease of an alternative fuel vehicle (electric or hybrid) used as a primary or alternate means of transportation. The intent of the program is to meet the requirements of Public Utilities Code ("PUC") Section 385, added by Assembly Bill 1890 (AB 1890), to encourage investments in renewable energy resources and technologies.

In 1990, the California Air Resources Board adopted the Low-Emission Vehicle and Clean Fuels Program. This program required a percentage of the vehicles sold in California to be zero emission vehicles. Zero emission vehicles, or ZEVs, are required to have no tailpipe emissions under any and all modes of operation throughout the lives of the vehicles. At present, the only vehicles that can meet this standard are electric-powered vehicles. Currently, all original equipment manufacturers (Chrysler, Ford, GM, Chevrolet, Honda, Nissan, and Toyota) sell or lease an EV. Prices range from \$30,000 to \$45,000.

The rebate would apply towards the purchase or lease of a new alternative fuel vehicle. Electric, hybrids or similar vehicles that Riverside Public Utilities deems eligible would qualify for incentives. The level of incentive funds available is 10% of the vehicle cost, with a maximum of \$5,000 up to two vehicles per account. This level of funding is similar to other utilities in California.

Program Participation Goal

The program is intended to promote the purchase and/or lease, as well as the use, of alternative fuel vehicles in Riverside.

Program Guidelines

- The program is available to Riverside Public Utilities electric customers. Incentives will be paid to the electric customer of record only.
- The level of incentive funds available is 10% of the vehicle's purchase price with a maximum of \$5,000 per account.
- Rebate is available up to two vehicles annually per account.
- A copy of the dated sales receipt, lease agreement, or other documentation deemed necessary by staff must be provided.

- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers nor does it guarantee material or workmanship. Acceptance of such is the customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to customers and distributors.
3. Receives and date stamps incentive applications from customers.
4. Certifies that applicant is Riverside Public Utilities electric customer.
5. Signs off on application forms where noted.
6. Inputs customer data into Programs and Services database.
7. Completes necessary documents to issue incentive payment.

- **WEATHERIZATION INCENTIVE REBATE PROGRAM - RESIDENTIAL**

Program Description

Riverside Public Utilities (RPU) is implementing a Weatherization Incentive Rebate Program available to residential electric customers. This program is a whole house approach to improving the energy efficiency of residential homes in RPU's electric service area. The funds for this service will be from the Public Benefits Charge as authorized by AB1890 (s)385, and AB 995 to encourage energy conservation and efficiencies.

The package of conservation measure installed will work together effectively to reduce energy use. With this full range of measures, the customer has a menu of choices that are proven to reduce energy usage. Incentives are based on similar programs that are currently or have been offered recently from other utilities.

Provides financial incentives to residential electric customers to upgrade the following as listed. Incentives are based on the amount as shown in the table below:

1. **Attic Insulation:** Adding insulation is the most cost effective energy saving measure that can be done, with savings up to 40%. Insulation is measured in R-value. The higher the R-value, the more insulating value.
2. **Wall Insulation:** Wall insulation is also cost effective with potential savings up to 15%. Wall insulation is also measured in R-values.
3. **Floor Insulation:** Floor insulation can be cost effective for older homes with raised foundations and can save up to 10% of the energy costs.
4. **Duct Insulation:** Insulating duct systems in unconditioned areas can save up to approximately 10% of cooling and heating costs.
5. **Duct Testing / Sealing:** Testing and repairing leaky duct systems can improve up to 20-40% of cooling and heating energy.
6. **Window Replacement:** ENERGY STAR® windows are twice as efficient as the average window and can save up to 15% on cooling and heating costs.
7. **Window Shading:** By shading windows on south, east, and west windows, 90% of the sun's rays are blocked, and the energy needed to cool a house is reduced up to 30%.
8. **Whole House Fans:** Whole house fans use outside air to cool. Whole house fans can cut cooling costs up to 50%.

9. **Programmable Thermostats:** ENERGY STAR® programmable thermostats can save 20-30% on cooling and heating bills when used properly.
10. **Evaporative Coolers:** Evaporative coolers use approximately 75% less energy to operate than a central electric air conditioning system.

Program Participation Goal

The goal is to provide rebates annually to 1,000 households in RPU's service territory. It is the goal of the Utility for 20% of those customers who could purchase standard products and services to purchase a higher efficiency product or service.

Program Guidelines

INCENTIVE TABLE

MEASURE	RATING (minimum)	INCENTIVE
Attic Insulation	R-11	\$.10 per square foot
	R-19	\$.25 per square foot
	R-38	\$.35 per square foot
Wall Insulation	R-11	\$.10 per square foot
	R-13	\$.15 per square foot
	R-19	\$.25 per square foot
Floor Insulation	R-19	\$.10 per square foot
Duct Insulation	R-6	\$.05 per square foot
Insulation Combination (Attic & Wall)		Additional \$.02 per square foot
Duct Testing / Sealing		Up to \$200 maximum per account
Window Replacement	ENERGY STAR® labeled windows	\$1.00 per square foot
Window Shading	Must have a minimum shading coefficient of .35	\$.50 per square foot

Whole House Fans		Up to \$250 maximum per account
Programmable Thermostats	ENERGY STAR® rated	\$25 per thermostat (limit 2 per account)
Evaporative Coolers		\$50 maximum per account (limit 1 per account)

- Participants are asked to complete a Home Energy Analysis that is used as a benchmark for energy savings attributed to the program.
- Incentives are given on qualifying products purchased on or date as approved by City Council.
- To qualify for a rebate, customers must purchase the products that meet or exceed program guidelines.
- The program is available to Riverside Public Utilities electric customers.
- Incentives will be paid to the Riverside Public Utilities electric customer of record only.
- Measures must be installed in Riverside Public Utilities electric service area and at residence of electric customer of record.
- A copy of the original, dated sales receipt must be provided.
- An on-site inspection of 100% is required.
- Participants are encouraged to complete a Home Energy Analysis that is used as a benchmark for assessing the energy savings that can be attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers, nor does it guarantee material or workmanship. Acceptance of such is the customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to local retail sales outlets.
3. Receives and date stamps incentive applications from customers.
4. Certifies that applicant is a Riverside Public Utilities electric customer.
5. Verifies installation of product by proof or receipt and on site inspection.
6. Schedules and conducts inspections of 100% of units.
7. Signs off on application forms where noted.
8. Inputs customer data into Programs and Services database.
9. Processes incentive payment.
10. Distributes Home Energy Savers questionnaire to program participants.

- **AIR CONDITIONING REBATE FOR REPLACEMENT AND / NEW UNITS - NON-RESIDENTIAL**

Program Description:

The Rebate program offers incentives for replacement or installation of central electric air conditioning units with high efficiency equipment. Riverside Public Utilities is providing incentives to close the gap in cost between standard HVAC equipment and high efficiency equipment.

Incentive amounts are based on the unit's size rating - Seasonal Energy Efficiency Ratio (SEER) as defined by California Title 24 codes. The higher the SEER rating of the HVAC unit, the more energy efficient.

**AIR CONDITIONING INCENTIVES - NON RESIDENTIAL
REPLACEMENT CENTRAL ELECTRIC SYSTEMS**

<u>EQUIPMENT</u>	<u>SEER (EER)</u>	<u>INCENTIVE</u>
Packaged A/C	12.0 - 12.9 (11.0 - 11.99)	\$70 per ton
Packaged A/C	13.0 or greater (12.0 - or greater)	\$100 per ton
Heat Pump	12.0 - 12.9 (11.0 - 11.99)	\$90 per ton
Heat Pump	13.0 or greater (12.0 - or greater)	\$120 per ton

Program Participation Goal:

The program is intended to target 150 central electric air conditioning units annually.

- There are 8,000 non-residential general service rate accounts in Riverside Public Utilities.
- The percentage of businesses with package type central air conditioners is 75%.
- The average number of package type central air conditioners per account is 2.5.

- The average life of a central air conditioner is 20 years.
- The estimated number of air conditioning units needing replacement each 12 months is 750 units.
- Department's goal is to achieve a 20% penetration rate of customers replacing central air conditioners with high efficiency units.
- The average incentive for a 5.0 ton 12.0 SEER unit is \$350.

AIR CONDITIONING INCENTIVES - NON RESIDENTIAL NEW CENTRAL ELECTRIC SYSTEMS

<u>EQUIPMENT</u>	<u>SEER (EER)</u>	<u>INCENTIVE</u>
Packaged A/C	12.0 - 12.9 (11.0 - 11.99)	\$35 per ton
Packaged A/C	13.0 or greater (12.0 - or greater)	\$50 per ton
Heat Pump	12.0 - 12.9 (11.0 - 11.99)	\$45 per ton
Heat Pump	13.0 or greater (12.0 - or greater)	\$60 per ton

Program Participation Goal (New Central Electric Systems):

The program is intended to target 45 central electric air conditioning units annually.

- There are 8,000 non-residential general service rate accounts in Riverside Public Utilities.
- The percentage of businesses with package type central air conditioners is 75%.
- The average number of package type central air conditioners per account is 2.5.
- The average life of a central air conditioner is 20 years.

- The estimated number of air conditioning units needing replacement each 12 months is 750 units.
- Department's goal is to achieve a 20% penetration rate of customers replacing central air conditioners with high efficiency units.
- The average incentive for a 5.0 ton 12.0 SEER unit is \$350.

Program Guidelines:

- Incentives are given on qualified central electric air conditioners and heat pumps purchased and installed after July 1, 1999. Rebates are limited to \$5000 per metered account.
- A matching evaporator coil must be installed to qualify for the rebate.
- The program is available to Riverside Public Utilities non-residential electric customers. If the applicant is a renter, they must get the property owners signed approval on the application prior to submitting.
- Incentives will be paid to the Riverside Public Utilities customer of record only.
- An original, dated sales receipt must be provided.
- An on-site inspection is required prior to the issuance of the incentive payment.
- Participants are asked to complete an Energy Efficiency Audit that is used as a follow-up to provide savings attributed to the program.
- Department does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to local HVAC contractors.
3. Receives incentive application from customers, date stamps.

4. Certifies that applicant is a Riverside Public Utilities customer.
5. Verifies efficiency rating of unit.
6. Schedules inspections of installations.
7. Conducts inspection of installation, checking model and coil type.
8. Signs off on application forms where noted.
9. Inputs customer data into Programs and Services database.
10. Supplies weekly Summary Report of Application Fulfillment.
11. Processes incentive payment.

• **ENERGY EFFICIENCY INCENTIVES FOR COOLING EQUIPMENT REPLACEMENT AND VARIABLE SPEED/FREQUENCY MOTOR DRIVES - NON-RESIDENTIAL**

Program Description:

This program provides monetary incentives for cooling equipment replacement and variable speed/frequency motor drives. The program is designed to encourage improvements to equipment that will increase energy efficiency and reduce the energy consumption of existing or new equipment.

Cooling equipment incentives are for replacing old, inefficient chillers and refrigeration equipment. This closes the gap in cost between standard equipment and high efficiency equipment.

**COOLING EQUIPMENT REPLACEMENT INCENTIVES - NON RESIDENTIAL
INCENTIVE TABLE FOR QUALIFYING EQUIPMENT**

<u>EQUIPMENT</u>	<u>INCENTIVE</u>
Chiller Equipment	16.5 cents per kWh
Refrigeration Equipment	16.5 cents per kWh

The anticipated program target is to issue a minimum of \$100,000 in incentives for energy improvements associated with chiller and refrigeration replacements and/or efficiency improvements.

Variable speed/frequency motor drive incentives are based on the new unit's electrical energy reduction in relationship to the replaced unit of similar size. This is a downstream incentive program that helps reduce the cost of new equipment.

**VARIABLE SPEED/FREQUENCY MOTOR DRIVES INCENTIVE - NON
RESIDENTIAL
INCENTIVE TABLE FOR QUALIFYING EQUIPMENT**

<u>EQUIPMENT</u>	<u>INCENTIVE</u>
Variable Speed and Variable Frequency Drives	8.0 cents per kWh from original equipment

The anticipated program target is to issue a minimum of \$100,000 in incentives for energy improvements associated with improvements to variable speed/frequency motor drive efficiency.

Program Guidelines:

- Incentives are not to exceed the cost of the measure. Incentives are given on qualified chillers, refrigeration equipment and variable speed/frequency motor drives purchased and installed after December 15, 1998.
- The program is available to Riverside Public Utilities non-residential electric customers, with a maximum annual incentive of \$20,000 per account. If the applicant is a renter, the applicant must get the property owner's signed approval on the application prior to submitting.
- A copy of the original, dated sales receipt must be provided, along with contractor's worksheet with current usage and proposed savings estimates.
- An on-site inspection is required prior to the issuance of the incentive check.
- Participants are asked to complete an energy efficiency audit that is used as a follow-up to assess the energy savings that can be attributed to the program.
- Electric customer must demonstrate savings over 12 months, which will be verified by Riverside Public Utilities. A portion of the savings not met is subject to return.
- Incentives will be paid to Riverside Public Utilities electric customer of record only.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

- Produces application and marketing collateral materials specific to this program and maintains adequate supply.
- Distributes materials to electric customers and trade allies.
- Receives incentive applications from customers, date stamps.
- Certifies that applicant is Riverside Public Utilities non-residential electric customer.
- Verifies efficiency rating of unit or potential savings from calculations.
- Schedules inspections of installations.

- Conducts inspection of installation, checking model and nameplate data where applicable.
- Signs off on application forms where noted.
- Inputs customer data into Programs and Services database.
- Supplies weekly Summary Report of Application Fulfillment.
- Issues incentive payment.

Revised 11/99 to reflect changes to implementation

• **COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL (CII) WATER
CONSERVATION INCENTIVE PROGRAM – NON-RESIDENTIAL**

Program Description:

This new program offers financial incentives in a "new" format to CII retail water customers to retrofit their existing high water use fixtures. Funding comes from the Metropolitan Water District of Southern California CII Fixture Retrofit Incentive Program provided to Riverside Public Utilities via Western Municipal Water District. In fiscal year 1999-2000, Metropolitan Water District had approved a total of \$120,000 for the Riverside Public Utilities program. Incentives are given on a first come, first serve basis for qualifying equipment purchased and installed after July 1, 1999. Incentives are provided in the five following equipment categories.

1. Ultra-low-flush toilet and urinal retrofits
2. Flush-valve retrofits for toilets and urinals
3. Automatic faucet shut-off valve retrofits (pre-rinse spray heads with self-closing valves)
4. Cooling tower conductivity controller installations
5. Horizontal axis commercial clothes washers

Program Schedule:

Program funds become available on July 1, 1999, for this fiscal year 1999-2000 water conservation program. The goal of the program is to disburse all incentive funds by June 30, 2000. The Marketing Communications staff will develop required application and marketing collateral materials specific to this program by July 30, 1999. Kick-off of the program is targeted for September 1999. Quarterly reports are due to Western Municipal Water District.

Program Incentives and Participation Goals:

Riverside Public Utilities is providing incentives to close the gap in cost between standard equipment and high efficiency equipment. This is a downstream incentive program with customers receiving incentives to help reduce the cost of new equipment. There is a maximum incentive of \$2,000 per account in fiscal year 1999-2000.

COMMERCIAL/INDUSTRIAL/INSTITUTIONAL WATER CONSERVATION INCENTIVES

<u>EQUIPMENT CATEGORY</u>	<u>INCENTIVE PER UNIT INSTALLED</u>	<u>NUMBER OF INCENTIVES AVAILABLE</u>	<u>TOTAL INCENTIVE BUDGET</u>
Ultra-low-flush Toilet and Urinal Retrofits	\$54	1,500	\$81,000
Flush-Valve Retrofits for Toilets and Urinals	\$13.50	1,000	\$13,500
Automatic Faucet Shut-off Valves	\$45	50	\$2,250
Cooling Tower Conductivity Controller Installations	\$450	5	\$2,250
Horizontal Axis Commercial Clothes Washers	\$90	100	\$9,000

Program Water Conservation Results:

Water conservation results are to be calculated after installation of all equipment. This is because water savings vary greatly by building type and equipment usage factors. The final report will document program water conservation results.

Program Guidelines:

- Incentives are given on a first come, first serve basis for qualifying equipment purchased and installed after July 1, 1999.
- The program is available to non-residential water customers with a maximum annual incentive of \$2,000 per account. If the applicant is a renter, they must get the property owner's signed approval on the application prior to submitting.

- A copy of the dated sales receipt must be attached. Project retrofits will be subject to on-site verification.
- Incentives will be paid to Riverside Public Utilities customer of record only.
- Program participation is subject to funds available.
- Installation of equipment must begin within 30 days of Riverside Public Utilities approval.
- Incentive funds are guaranteed for 90 days from the time the application is made.
- Participants may be asked to complete a CII Water Use Survey. The survey is used as a follow-up to assess the savings that can be attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.
- ULF toilets must be rated at 1.6 gallons per flush (gpf) or less and must replace units using a volume of at least 3.5 gpf.
- ULF urinals must be rated at 1.0 gpf or less and must replace urinals using a volume of at least 3.0 gpf.
- Flush-valve retrofits qualify for the program only when the complete retrofit of an existing toilet or urinal is not cost effective.
- Automatic faucet shut-off valves qualify for the program when replacing (1) a non-automatic shut-off valve, (2) an existing, but malfunctioning, automatic shut-off valve, or (3) a high-volume automatic shut-off valve. The specific faucet shut-off valves covered are the pre-rinse spray types used in commercial kitchen settings. The replacement automatic unit must have a self-closing valve and be rated at no more than 1.6 gallons per minute.
- Cooling tower conductivity controllers qualify for the program when being installed on an existing tower not originally equipped with a controller or when a malfunctioning controller is being retrofitted. The conductivity controller must operate such that it transmits information to appropriate valves that will control the amount of blowdown (water drained from the reservoir) and subsequent makeup water (water provided from other sources). Rebates are not available for new construction.

- Coin-operated and card-operated high-efficiency clothes washers may receive a \$100 rebate (each) if they are installed and operating in a commercial setting such as a laundromat, multiple housing unit common area, hotel or motel where available for guest use, or a similar application, and are replacements for traditional vertical-axis machines.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to CII customers, local plumbing contractors, and plumbing supply retailers.
3. Receives incentive applications from customers and date stamps.
4. Certifies that applicant is Riverside Public Utilities CII water customer.
5. Verifies equipment qualifications.
6. Schedules inspections for 10% of installations.
7. Conducts inspection of installations.
8. Inputs customer data into Programs and Services database.
9. Issues final incentive payment.
10. Generates required quarterly program status reports and final report.

- **ENERGY EFFICIENCY INCENTIVES FOR LIGHTING - NON-RESIDENTIAL**

Program Description:

This program offers monetary incentives for replacing older, inefficient lighting with high-efficiency units. Riverside Public Utilities is providing incentives to close the gap in cost between standard lighting equipment and high-efficiency equipment. This is a downstream incentive program, with customers receiving incentives based on the reduction of the lighting kilowatt load. There is a maximum annual incentive of \$10,000 per account.

**LIGHTING REPLACEMENT INCENTIVES - NON RESIDENTIAL
INCENTIVE TABLE FOR QUALIFYING EQUIPMENT**

<u>EQUIPMENT TYPE</u>	<u>INCENTIVE</u>
Lighting	5 cents per kWh energy savings for one year

Program Participation Goal:

The program goal is to issue a minimum of \$175,000 in incentives for energy improvements associated with lighting replacement.

Program Guidelines:

- Incentives are given on qualified lighting equipment purchased and installed after December 15, 1998.
- The program is available to Riverside Public Utilities non-residential electric customers, with a maximum annual incentive of \$10,000 per account. If the applicant is a renter, they must get the property owners signed approval on the application prior to submitting.
- Incentives will be paid to the Riverside Public Utilities customer of record only.
- A copy of the dated sales receipt must be provided.
- An on-site inspection is required prior to the issuance of the incentive payment.
- There will be a two week turn-around from the time an application is received to the time the application is returned to Riverside Public Utilities for payment.

- Installation of equipment must begin within 30 days of department's approval, and completed within the following 60 days.
- Incentive funds are guaranteed for 90 days from the time the application is made.
- Participants are asked to complete an energy efficiency audit that is used as a follow-up to assess the savings that can be attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to electric customers and trade allies.
3. Receives incentive applications from customers, date stamps.
4. Certifies that applicant is a Riverside Public Utilities electric customer.
5. Verifies efficiency rating of unit.
6. Schedules inspections of installations.
7. Conducts inspection of installation, checking model and nameplate data.
8. Signs off on application forms where noted.
9. Inputs customer data into Programs and Services database.
10. Supplies weekly Summary Report of Application Fulfillment.
11. Issues final incentive payment.

• OUTDOOR SECURITY LIGHTING INCENTIVES - NON-RESIDENTIAL

Program Description:

This program provides monetary incentives for replacing older, inefficient outdoor security lighting with high efficiency units. Riverside Public Utilities is providing incentives to close the gap in cost between standard lighting equipment and high efficiency equipment. This is a downstream incentive program with customers receiving incentives based on the reduction of the lighting kilowatt load. There is a maximum incentive of \$500 per account.

SECURITY LIGHTING INCENTIVES INCENTIVE TABLE FOR QUALIFYING EQUIPMENT

<u>LIGHTING TYPE</u>	<u>INCENTIVE</u>
<u>High Pressure Sodium Fixture</u>	
50-70 Watt Fixture	\$10.00
100 Watt Fixture	\$15.00
150-175 Watt Fixture	\$25.00
Above 175 Watt Fixture	\$35.00
<u>Metal Halide</u>	
50-70 Watt Fixture	\$10.00
100 Watt Fixture	\$15.00
150-175 Watt Fixture	\$25.00
Above 175 Watt Fixture	\$35.00

Program Participation Goal:

_____ The program goal is to issue a minimum of \$50,000 in incentives for energy improvements associated with lighting replacement.

Program Guidelines:

- Incentives are given on qualified lighting equipment purchased and installed after December 15, 1998.
- The program is available to Riverside Public Utilities non-residential electric customers, with a maximum of \$500 in incentives available annually per account. If

the applicant is a renter, they must get the property owners signed approval on the application prior to submitting.

- Incentives will be paid to Riverside Public Utilities customer of record only.
- Proof of prior existing lighting fixtures must be presented either through department pre-installation inspection or contractor's receipt.
- The lighting fixtures must be automatically controlled for dusk to dawn operation.
- A copy of the dated sales receipt must be provided.
- An on-site inspection is required prior to the issuance of the incentive payment.
- There will be a two week turn-around from the time an application is received to the time the application is returned to Riverside Public Utilities for payment.
- Incentive funds are guaranteed for 90 days from the time the application is made.
- Participants are asked to complete an energy efficiency audit that is used as a follow-up to assess the savings that can be attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to customers and trade allies.
3. Receives incentive applications from electric customers and date stamps.
4. Certifies that applicant is Riverside Public Utilities electric customer.
5. Verifies current security lighting fixtures.
6. Verifies efficiency rating of proposed lighting fixtures.
7. Schedules inspections of installations.

8. Conducts inspection of installation, checking model and lamp type.
9. Signs off on application forms where noted.
10. Inputs customer data into Programs and Services database.
11. Supplies weekly Summary Report of Application Fulfillment.
12. Issues final incentive payment.

- **ENERGY MANAGEMENT TECHNICAL ASSISTANCE SERVICES - NON-RESIDENTIAL**

Program Description:

This program offers all non-residential electric customers a comprehensive energy audit using a software program designed specifically for businesses. Demand Rate and TOU (Time-Of-Use) customers can receive the services of a technical assistance consultant in addition to the audit.

The computerized energy audit will serve as a benchmark for all commercial customers and provide the majority of small to medium business with sufficient data to understand their energy consumption and identify cost-effective energy saving measures.

The technical assistance consultant will be utilized for the Demand Rate and TOU customers that require more specific advice to identify and analyze techniques to improve the electric energy efficiency of their equipment and facility. Customers will work with a Riverside Public Utilities representative in identifying areas of their operations that could benefit from analysis by a consultant, and will jointly develop a scope of work. This is an expansion of Riverside Public Utilities existing Technical Assistance Services program. Both services will compliment our non-residential incentive programs.

Program Participation Goal:

The goal is to have an energy audit available to all commercial customers upon request. The technical assistance consultant will be available to 60 customers, with an average of \$2,000 per audit annually. Energy management projects will be considered upon request.

Program Guidelines:

- All Riverside Public Utilities non-residential electric customers are eligible for an energy audit.
- The consultant services are available to Riverside Public Utilities non-residential electric demand rate and TOU customers. Business Development staff will qualify customers for this service.
- An on-site meeting with customer staff and a brief facility inspection is required prior to the scheduling of any technical assistance consultant services.

- Department does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces marketing collateral materials specific to this program and maintains adequate supply.
2. Purchases and installs commercial energy audit software and produces a questionnaire that supports this software.
3. Provides customers with commercial energy audit packet.
4. Delivers and reviews results of audit to customers. Makes cost-effective energy savings recommendations based on results.
5. Upon completion of commercial energy audit, using qualifying criteria, determines if customer would benefit from services of technical assistance consultant.
6. Schedules consultants on-site meetings with customers.
7. Develops technical assistance consultant's scope of work.
8. Provides technical assistance consultant with any necessary electric usage history.
9. Receives and reviews reports generated by consultants prior to delivery. Discusses results of audit with electric customer and makes cost-effective energy saving recommendations.
10. Advises electric customers of our non-residential incentive programs.

Program Implementation Responsibilities: Contractor

1. Participates in on-site meetings as requested by Riverside Public Utilities.
2. Provides services as given in scope of work developed by Riverside Public Utilities.

3. Generates any required reports and submits them to Riverside Public Utilities for review.
4. Supplies Riverside Public Utilities with weekly Summary Report of Technical Assistance Program Fulfillment.

- **ENERGY MANAGEMENT SYSTEMS ASSISTANCE SERVICES - NON-RESIDENTIAL**

Program Description:

This program provides monetary incentives for energy management system upgrades for non-residential electric customers. Riverside Public Utilities is providing cost sharing incentives to assist the electric customer in technology purchases that can provide energy savings. Projects that promote energy efficiency and energy conservation will be considered individually by Riverside Public Utilities. The incentive will be the cost sharing of one-half of the cost of the project up to as follows:

**ENERGY MANAGEMENT SYSTEMS ASSISTANCE
INCENTIVE TABLE FOR QUALIFYING PROJECTS**

Annual Mwh Use (Aggregated Load)	Incentive
7 and over	\$20,000
2.5 to 6.9	\$10,000
Below 2.5	\$ 5,000

Table A

Program Participation Goal:

The program goal is to enter into agreements for a minimum of \$90,000 in incentives for energy management systems. These systems must be on-line within 12 months of agreement execution.

Program Guidelines:

- The program is available to Riverside Public Utilities non-residential electric customers, with a maximum of \$20,000 in incentives (in accordance to the guidelines in Table A) available for one project annually per account.

- Incentives will be paid to the electric customer of record only.
- A meeting with customer staff and a brief facility inspection is required prior to the acceptance of any energy management systems proposal.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces marketing collateral materials specific to this program and maintains adequate supply.
2. Participates in meetings with the electric customer.
3. Certifies that the system will be used in Riverside Public Utilities service area and verifies the customer's Mwh use.
4. Produces necessary incentive agreement and authorizes the Public Utilities Director to execute an agreement that has been approved as to form by the Legal Department.
5. Schedules and conducts facility inspection, operating schedules, and load profiles.
6. Inputs customer data into Programs and Services database.
7. Supplies weekly Summary Report of Application Fulfillment.
8. Completes necessary documents to issue incentive payment.

- **SHADE TREE PLANTING FOR COOLING EFFICIENCY – NON-RESIDENTIAL**

Program Description:

Provides incentives to non-residential customers to plant shade trees in locations around their businesses or organizations to help save on summer cooling costs. Program is based on the American Public Power Associations "Tree Power" program. Customer receives a rebate check from Riverside Public Utilities for up to \$50 per tree toward their cost to purchase up to five trees annually.

Program Participation Goal:

The goal is for a maximum of 1,000 trees to be planted annually.

Program Guidelines:

- The program is available to Riverside Public Utilities non-residential electric customers. If the customer is a renter, they must get the property owners signed approval on the application prior to submitting.
- Customer receives a rebate check for up to \$50 per tree toward their cost to purchase up to five trees per year.
- The intent of the program is for the trees to be purchased from a city of Riverside merchant and a copy of the original sales receipt must be provided.
- Only specific species of trees qualify for this program. Trees must be planted in compliance with the City of Riverside Planning Department guidelines.
- Trees must be planted within 10 to 35 feet from the building foundation.
- Trees must be planted within 14 days of purchase.
- Trees must be sited and planted to achieve maximum energy efficiency without negatively impacting any dwelling, utility lines or solar access.
- Customer must sign liability agreement and agree to the long-term care of the tree.
- Participants are asked to complete an energy audit that is used as a benchmark for energy savings attributed to the program.

- Riverside Public Utilities does not endorse or recommend specific products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Receives completed application from customer.
3. Certifies that applicant is a Riverside Public Utilities electric customer.
4. Provides customer with aerial view map of their home (CADME) showing utility lines, property lines and recommended site for planting tree(s). Provides customer with instructional material on how to plant and care for tree(s).
5. Distributes energy audit questionnaire to program participants.
6. Conducts follow-up inspection within 3 weeks of planting date to all participants to make sure that the tree(s) were properly planted and maintained in accordance with guidelines.
7. Processes request for payment for rebate.
8. Processes energy audit and provides customer with results.
9. Follow-up analysis (25% of participants) in approximately 3 years when tree matures to determine energy savings.

- Qualifying Shade Tree species:

Maidenhair
Chinese Flame
Chinese Hackberry
Desert Willow
Crape Myrtle
Chinese Evergreen Elm
Western Catalpa

Goldenrain
Liquidamber
Sawleaf Zelkova
Jacaranda
Silk Tree
Tulip Tree
Redbud (eastern or Oklahoma)

Raywood Ash
London Plane
Chinese Pistache
Pink Trumpet Tree
Bradford Pear
Majestic Beauty

- **THERMAL ENERGY STORAGE FEASIBILITY STUDY INCENTIVES - NON-RESIDENTIAL**

Program Description:

This program provides incentives for a study to analyze the feasibility of installing a Thermal Energy Storage/Off-Peak cooling system. A utility funded feasibility study is a requirement prior to a customer entering into the agreement development phase of the program. The study is to be conducted by a firm selected by the electric customer and approved by Riverside Public Utilities. The level of incentive funds available is 50% of the study cost, or \$5,000, whichever is less.

Program Participation Goal:

The program goal is to enter into agreements for up to 4 feasibility studies. Amount budgeted for this is \$20,000.

Program Guidelines:

- The program is available to Riverside Public Utilities non-residential Time-of-Use Rate electric customers, with a maximum of \$20,000 available annually. If the applicant is a renter, they must get the property owners signed approval on the application prior to submitting.
- Incentives will be paid to the Riverside Public Utilities customer of record only. Incentive payments are made after a completed study, together with all required forms and paid invoices, is received by Riverside Public Utilities.
- Incentive funds are guaranteed for the term of the agreement.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Participates in initial meeting with electric customer.

3. Certifies that project is in service territory of Riverside Public Utilities and that applicant is on the required time-of-use rate.
4. Coordinates the completion of the utility funded feasibility study.
5. Reviews feasibility study/analysis proposed installation with customer.
6. Conducts possible location of installation, checking revenue metering, operating schedules, and load profiles.
7. Signs off on application forms where noted.
8. Inputs customer data into Programs and Services database.
9. Supplies weekly Summary Report of Application Fulfillment.
10. Issues incentive payment for feasibility study.

- **THERMAL ENERGY STORAGE INCENTIVES - NON-RESIDENTIAL**

Program Description:

This program provides incentives for the installation of Thermal Energy Storage/Off-Peak cooling systems. Riverside Public Utilities is providing incentives to close the gap in cost between standard HVAC equipment and new cooling technologies such as TES. This is a downstream incentive program, with electric customers receiving incentives to reduce the incremental cost of new equipment. The incentive amount of \$200 per kilowatt is based on the on-peak kilowatt demand savings. A utility funded feasibility study is a requirement prior to a customer entering into the agreement development phase of the program.

Program Participation Goal:

The program goal is to enter into agreements for a minimum of \$380,000 in incentives for TES installations. Permitted plans are to be available within 12 months of agreement execution.

Program Guidelines:

- The program is available to Riverside Public Utilities non-residential Time-of-Use Rate electric customers, with a maximum of \$380,000 available annually. If the applicant is a renter, they must get the property owners signed approval on the application prior to submitting.
- Incentives will be paid to the Riverside Public Utilities customer of record only. Incentive payments are made under the following schedule: 50% when agreement is signed; the remaining 50% when system is operating in accordance with specifications.
- An on-site inspection is required prior to the issuance of the final incentive check.
- Permitted plans are to be available within 12 months of agreement execution.
- Incentive funds are guaranteed for the term of the agreement.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Participates in initial meeting with customer.
3. Certifies that project is in service territory of Riverside Public Utilities and that applicant is on the required time-of-use rate.
4. Reviews feasibility study/analysis proposed installation.
5. Produces necessary incentive agreement to take to the Board of Public Utilities and City Council.
6. Issues incentive payment for 50% of incentive at time of start of construction.
7. Schedules inspections of installations.
8. Conducts final inspection of installation, checking revenue metering, operating schedules and load profiles.
9. Signs off on application forms where noted.
10. Inputs customer data into Programs and Services database.
11. Supplies weekly Summary Report of Application Fulfillment.
12. Issues final incentive payment.

• ENERGY EFFICIENCY INCENTIVES FOR MOTORS - NON-RESIDENTIAL

Program Description:

The program is intended to promote market transformation which means to encourage the widespread use of the most energy efficient motors available. Riverside Public Utilities offers incentives for replacing older inefficient motors with equipment that exceeds the federal minimum standards set by the 1992 Energy Policy Act. In 1996 the Consortium for Energy Efficiency (CEE) launched a national motor initiative that exceeds these standards. By adopting the CEE's specifications, Riverside Public Utilities is creating a clear definition of "premium efficiency motor." The specifications for the CEE's efficiency levels are name-plated on the premium motors. This provides our customers' with guidelines that will demonstrate the benefits of a premium efficiency motor and how it will cost effectively reduce their energy bill without compromising motor performance.

Motor financial incentive rebate amounts are intended to assist our customers with the purchase of a premium motor. Rebate amounts are approximately one half the incremental cost increase from standard efficiency to premium efficiency motors. There is a maximum annual incentive of \$5,000 per account.

Nominal Full Load Efficiencies

HP	Open-Drip Proof			Totally Enclosed Fan-Cooled			Rebate
	1200 RPM	1800 RPM	3600 RPM	1200 RPM	1800 RPM	3600 RPM	
1	82.5	85.5	80	82.5	85.5	78.5	\$35
1.5	86.5	86.5	85.5	87.5	86.5	85.5	\$35
2	87.5	86.5	86.5	88.5	86.5	86.5	\$35
3	89.5	89.5	86.5	89.5	89.5	88.5	\$40
5	89.5	89.5	89.5	89.5	89.5	89.5	\$50
7.5	91.7	91	89.5	91.7	91.7	91	\$60
10	91.7	91.7	90.2	91.7	91.7	91.7	\$70
15	92.4	93	91	92.4	92.4	91.7	\$80
20	92.4	93	92.4	92.4	93	92.4	\$90
25	93	93.6	93	93	93.6	93	\$115
30	93.6	94.1	93	93.6	93.6	93	\$135
40	94.1	94.1	93.6	94.1	94.1	93.6	\$160
50	94.1	94.5	93.6	94.1	94.5	94.1	\$200
60	95	95	94.1	94.5	95	94.1	\$235
75	95	95	94.5	95	95.4	94.5	\$270
100	95	95.4	94.5	95.4	95.4	95	\$360
125	95.4	95.4	95	95.4	95.4	95.4	\$540
150	95.8	95.8	95.4	95.8	95.8	95.4	\$630
200	95.4	95.8	95.4	95.8	96.2	95.8	\$630

Qualifying Equipment: One to 200 horsepower National Electrical Manufacturers (NEMA) designs A and B, three phase, integral horsepower, general purpose motors (1200, 1800, 3600 RPM)

Program Participation Goal:

The program goal is to issue a minimum of \$75,000 in incentives for premium efficient motors purchased and installed after December 15, 1998.

Program Guidelines:

- Incentives, (not to exceed the cost of the measure) are given on qualified motors purchased and installed after December 15, 1998.
- The program is available to Riverside Public Utilities' non-residential electric customers, with a maximum annual incentive of \$5,000 per account. If the applicant is a renter, they must get the property owners signed approval on the application prior to submitting.
- Incentives will be paid to the Riverside Public Utilities customer-of-record only.
- A copy of a dated sales receipt must be provided.
- An on-site inspection is required prior to the issuance of the incentive check, with inspections scheduled on a minimum of 2 weekdays plus Saturdays between the hours of 7:00 am and 7:00 pm.
- Installation of equipment must begin within 30 days of Riverside Public Utilities approval, and completed within the following 60 days.
- Incentive funds are guaranteed for 90 days from the time the application is made.
- There will be a two-week turn-around from the time an application is received to the time the application is returned to Riverside for payment.
- Participants are asked to complete an Energy Efficiency Audit that is used as a follow-up to provide savings attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to customers and distributors.
3. Receives incentive applications from customers, date stamps.
4. Certifies that applicant is Riverside Public Utilities Electric customer.
5. Verifies efficiency rating of unit.
6. Schedules inspections of installations.
7. Conducts inspection of installation, checking model and nameplate data.
8. Signs off on application forms where noted.
9. Inputs customer data into Programs and Services database.
10. Issues final incentive payment.

• INDOOR ELECTRIC VEHICLE PURCHASE REBATE - NON-RESIDENTIAL

Program Description:

This program provides a rebate for the purchase of an electric vehicle used indoors. The intent of the program is to meet the requirements AB 1890 to encourage investments in renewable energy resources and technologies and promote energy-efficiency and energy conservation. The rebate would apply towards the purchase of a new indoor electric vehicle or the replacement of existing internal combustion units. Typical vehicles that would qualify are forklifts, handtrucks, industrial golf carts, lifting machines, or similar vehicles that Riverside Public Utilities deems eligible. The level of incentive funds available is 25% of the vehicle cost or \$2,500 whichever is less with a maximum of \$10,000 annually per account.

Exhaust heat vented in an air conditioned environment raises room temperature and increases the demand for cooling during peak hours of the day. Electric vehicles produce no waste heat or air pollution and can allow customers to meet or exceed OSHA standards for indoor environmental air quality. Electric vehicles require no on-site fuel storage, and they run 75% quieter than their conventional counterparts. Although purchase prices are higher than conventional vehicles, electric vehicles often pay for themselves over the life of a vehicle just in maintenance costs saved. They have fewer moving parts and require no engine oil, antifreeze or transmission fluid. Overall lifecycle costs of electric vehicles are up to 25% lower than conventional equipment.

Program Participation Goal

The program is intended to encourage seven commercial/industrial customers on the Time-of-Use rate to take advantage of new electric vehicles when purchasing or replacing their light-duty, indoor industrial equipment. The vehicle must be charged during off peak hours.

Program Guidelines

- The Program is available to Riverside Public Utilities non-residential "Time-of-Use" electric customers. Incentives will be paid to the electric customer-of-record only.
- Approval will depend upon the customer agreeing to recharge the vehicle during off peak hours.

- The level of incentive funds available is 25% of the vehicle or \$2,500, whichever is less with a maximum of \$10,000 annually per account.
- A meeting with the customer and equipment inspection is required prior to the payment of rebate.
- A copy of the dated sales receipt must be provided.
- Participants are asked to complete an Energy Efficiency Audit that is used as a follow-up to provide savings attributed to the program.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers; nor does it guarantee material or workmanship; acceptance of such is customer's responsibility.

Program Implementation Responsibilities: Department

- Produces marketing collateral materials specific to this program and maintains adequate supply.
- Distributes materials to customers and distributors.
- Participate in inspection of equipment at customer site.
- Certifies that the equipment will be used in Riverside Public Utilities' service territory.
- Produces necessary inspection form documenting customer and equipment information.
- Inputs customer data into Programs and Services database.
- Completes necessary documents to issue incentive payment.

- **REFRIGERATOR PURCHASE AND RECYCLING INCENTIVE PROGRAM – NON-RESIDENTIAL**

Program Description

This program provides monetary incentives to non-residential electric customers, property owners, and homeowner associations for replacing old, inefficiently operating refrigerators with new high efficiency ENERGY STAR® rated refrigerators that use 20% to 50% less electricity than standard units. It also provides monetary incentives for recycling old, inefficiently operating refrigerators or stand-alone freezers, which are picked up and transported to a recycling facility for processing.

Effective January 2001, ENERGY STAR® specifications for refrigerators will decrease to 10% above Department of Energy standards. Therefore, staff recommends the new guidelines automatically take effect on January 1, 2001.

Program Participation Goal

The goal is for a minimum of 500 refrigerators to be replaced annually. The incentive is to encourage customers who would purchase a standard unit to buy a higher efficiency unit instead.

Refrigerator Purchase

- The program is available to Riverside Public Utilities non-residential electric customers, business owners, apartment/condominium owners, homeowner associations, or those deemed eligible by owning a complex located within Riverside Public Utilities service territory.
- To qualify for a credit of \$75, the ENERGY STAR® refrigerator must be 14.3 cubic feet or greater in size and 20% to 29.9% more efficient than a standard unit. Effective January 2001, to qualify for a credit of \$75, the refrigerator must be 14.3 cubic feet or greater in size and 10% to 29.9% more efficient than a standard unit.
- To qualify for a credit of \$100, the ENERGY STAR® refrigerator must be 14.3 cubic feet or greater in size and 30% to 50% more efficient than a standard unit.
- A copy of the original, dated sales receipt for each unit must be provided.
- Incentives are given on qualifying refrigerators purchased on or after the date the program is approved by City Council.

- Incentives will be given two to six weeks from the time Programs and Services staff receive the signed application.
- An on-site inspection of 10% of the refrigerators is required.
- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers nor does it guarantee material or workmanship. Acceptance of such is the customer's responsibility.

Refrigerator Recycling

- The program is available to Riverside Public Utilities non-residential electric customers, business owners, apartment/condominium owners, homeowner associations, or those deemed eligible by owning a complex within Riverside Public Utilities service area.
- Customers requesting the pick up of more than five units at a time will be subject to prior approval by staff.
- To qualify for a rebate of \$25 per unit, the operating refrigerator or freezer must be 12 to 28 cubic feet in size.
- Incentives will be given for the removal and recycling of materials from working refrigerators and freezers on or after the date the program is approved by City Council.
- A contractor retained by Riverside Public Utilities must pick up the qualifying units.
- Incentives will be given within two to six weeks after the refrigerator or freezer has been picked up for recycling.
- Program is subject to fund availability.

Program Implementation Responsibilities: Contractor

1. Provides personnel and services for incentive fulfillment.
2. Provides services to collect and transport eligible refrigerators and freezers to a recycling facility in an environmentally safe manner.
3. Processes refrigerators and freezers (using environmentally sound methods to safely remove, manage and dispose of materials requiring special handling in accordance with all Federal, State and local requirements).

4. Supplies Riverside Public Utilities with vouchers collected from customers.
5. Supplies Riverside Public Utilities with monthly summary and activity reports.

Program Implementation Responsibilities: Department

1. Produces application and marketing collateral materials specific to this program and maintains adequate supply.
2. Distributes materials to local retail sales outlets.
3. Receives and date stamps incentive applications from electric customers.
4. Certifies that applicant is a Riverside Public Utilities electric customer, property owner, or homeowner association located within the Riverside Public Utilities service territory.
5. Verifies energy efficiency rating of refrigerator.
6. Schedules inspections of 10% of rebated units. Conducts inspection of installation and checks model.
7. Signs application forms where noted.
8. Inputs customer data into Programs and Services database.
9. Processes incentive payment.
10. Distributes Home Energy Analysis questionnaire to program participants.

- **CUSTOM ENERGY-EFFICIENCY TECHNOLOGY GRANT PROGRAM – NON-RESIDENTIAL**

Program Description

The Custom Energy-Efficiency Technology Grant Program is designed to support businesses, non-profit organizations, educational institutions (not including public post-secondary institutions) or groups of such customers working in collaboration in research, development and effective use of innovative energy technologies. This program provides financial funding for the purpose of promoting the development and demonstration of energy-efficiency, energy conservation, and investment in the advancement of renewable energy resource technology. Grants are awarded for energy efficiency projects that are unique to a business or manufacturing process that are not covered under our existing non-residential rebate and incentive programs. Research and development projects are also eligible under this program. This offers flexibility and allows customers to tailor projects to meet their individual needs and goals. Funding toward feasibility studies to determine the effectiveness of proposed projects is also provided.

Program Participation Goal

Riverside Public Utilities (RPU) will award grant funding for up to 10 projects annually. RPU will also pay up to \$5,000 for feasibility studies.

Program Guidelines

- All projects or uses of grant funds must comply with AB1890 and AB 995 related to the use of Public Benefits Funds. To be eligible for consideration under this program the project must target one of the following categories:
 1. Building End-use Efficiency
 2. Environmentally Preferred Advanced Generation
 3. Renewable Generation
 4. Energy-related Environmental Research
 5. Strategic Energy Research
 6. Electric Transportation

The following types of research and activities are not eligible for funding:

1. Planning and policy studies
2. Marketing and promotion activities
3. Market or technology assessments/surveys
4. Electric distribution or transmission research normally funded by the electric utility
5. Gas research with little or no connection to electric generation/end-use

6. Research that does not propose a clear solution to an existing energy problem
 7. Project with no focus on proving feasibility of a specific solution
 8. Software development with no research or validation component
- The program is available to Riverside Public Utilities' non-residential electric customers. Incentive amount is 100% of the cost of the project with a maximum of \$100,000 in incentives per project.
 - Grant funds of project feasibility studies may also be awarded up to \$5,000 per applicant for a maximum potential award including the feasibility study of up to \$105,000 per approved project.
 - Incentives will be paid to the electric customer-of-record only or designated project leader identified on grant application.
 - Applications for Grant funding will be accepted at any time throughout the year. However, Grant funding will be awarded as funds are available.
 - Grant recipients will be required to enter into an Agreement with Riverside Public Utilities.
 - Applicant's project must be initiated within 30 days of the effective date of the Agreement and must be completed one year from the effective date of the Agreement.
 - For good cause and upon proper notification extensions of the project deadlines may be approved by the Director of Public Utilities.
 - Retrofit strategies must show measurable energy savings and overall electricity demand reduction.
 - Construction projects must demonstrate innovative energy-efficient technology, using systems and equipment beyond traditional methods where energy savings are measurable.
 - Research and development projects must result in the demonstration of a marketable electric-savings product or process.
 - All projects must show how they add value to an organization's operation.
 - Grant participants will be required to cooperate with RPU in publicity activities regarding awarding of the grant.

- Riverside Public Utilities does not endorse or recommend specific brands, products or dealers, nor does it guarantee material or workmanship. Acceptance of such is the customer's responsibility.

Program Implementation Responsibilities: Department

- Produces marketing collateral materials specific to this program and maintains adequate supply.
- Certifies that applicant is a Riverside Public Utilities' electric customer.
- Establishes selection committee.
- Conducts evaluation and selection process based on set criteria.
- Produces necessary program agreement and authorizes the Public Utilities Director to execute the agreement, which has been approved as to form by the Legal Department.
- Schedules and conducts facility inspection upon completion of project. Certifies program compliance.
- Completes the necessary analysis and reporting functions as deemed by the Agreement.
- Inputs customer data into Programs and Services database.
- Supplies summary report of application fulfillment.
- Completes necessary documents to issue incentive payment.