



CITY OF LODI COUNCIL COMMUNICATION

TM

AGENDA TITLE: Adopt Resolution Authorizing the City Manager to Allocate Public Benefit Program Funds for Seven Energy Efficiency Rebate or Related Programs for the 2008-2009 Fiscal Year (\$440,000) (EUD)

MEETING DATE: June 4, 2008

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: Adopt a resolution authorizing the City Manager to allocate public benefit program funds for seven energy efficiency rebate or related programs for the 2008-09 fiscal year not to exceed \$440,000.

BACKGROUND INFORMATION: The seven energy efficiency rebate programs are: Lodi Appliance Rebate Program, Lodi Energy Efficient Home Improvement Rebate Program, Lodi G-1 Commercial Rebate Program, Lodi G-2 Commercial Rebate Program, Lodi G-3 to F-1 Commercial/Industrial Rebate Program, Lodi Municipal Energy Efficiency Program, and the Lodi Evaluation, Measurement & Verification Project.

Lodi Appliance Rebate Program- \$20,000

Since 1999, the Lodi Electric Utility Department (EUD) has maintained the *Lodi Appliance Rebate Program*, providing rebates for various energy efficient home appliances. Since the programs inception, thousands of Lodi residents and business owners have participated in this program.

For the fiscal year 2008-2009, the EUD is recommending that \$20,000 in Public Benefit Program funds be allocated to extend this successful program. Under the program, eligible* customers would receive the following rebates:

- > EnergyStar® refrigerator \$50 rebate;
- > EnergyStar® dishwasher \$25 rebate;
- > EnergyStar® clothes washer \$50 rebate.

To qualify for a rebate, customers must purchase the aforementioned home appliance(s) from one of these Lodi retailers: Anderson Maytag, Ben's Appliance, Les' Appliance, Lowe's of Lodi, and Reo's Appliance.

EnergyStar® appliances consume, on average, twenty percent to thirty-five percent *less* electricity annually than a standard home appliance (refrigerator, dishwasher and clothes washer), which makes the purchase and installation of a high efficiency home appliance an extremely attractive, and cost effective, energy conservation measure.

APPROVED: _____
Blair King, City Manager

Lodi Energy Efficient Home Improvement Rebate Program- \$70,000

In 2003, the City of Lodi EUD introduced the *Lodi Energy Efficient Home Improvement Rebate Program (LEEHIRP)*. This program provides various rebates to residential customers who purchase and install designated and approved energy conservation measures. For the 2008-2009 fiscal year, the EUD is proposing the following conservation measures, and rebate amounts:

Category A: \$55,000 of the total \$70,000 program budget will be allocated for the following energy efficiency elements; of this \$55,000 allocation, a total of \$10,000 is allocated for the HVAC system performance test noted below (the remaining \$45,000 is allocated for those items in italics):

> <i>air duct replacement</i>	\$750	
> <i>air duct repair</i>	\$200	
> <i>high efficiency central air cond.</i>	\$175	(must install 15+ SEER HVAC unit or 13+ SEER rooftop unit with variable speed drive)
> <i>ultra-high efficiency central air cond.</i>	\$225	(must install 17+ SEER HVAC unit)
> <i>heat pump</i>	\$150	(must install 8.5+ HSPF for split system or 8.2+ HSPF for package unit)
> HVAC system performance test*	\$100/	HVAC repair or replacement

*A customer may be eligible for this \$100 rebate if the customer proceeds with recommended air duct repair/improvement/replacement.

Category B: \$15,000 of the total \$70,000 program budget will be allocated for the following energy efficiency elements:

> radiant barrier/thermal shield	\$150	
> whole house fan	\$100	
> attic fan	\$ 40	
> shade screens/window tinting	\$ 0.50/sq. ft.	
> attic/wall insulation	\$ 0.15/sq. ft.	(must increase attic insulation to an R-38 and wall insulation to an R-13 energy efficiency value)

Note- The maximum allowable rebate under this program is \$300 per customer service address, with an additional \$200 allowance for air duct repairs or an additional \$750 allowance for air duct replacement, if eligible. Customers must also consent to potential pre- and post-inspections of their property. In addition, in order to qualify for any of the high efficiency central air conditioner rebates mentioned above, the customer must address any recommended air duct repair or replacement issues. Note: in the event funds from either Category A or B are not utilized by May 15, 2009, then those funds can be utilized as a rebate in the other category.

By installing some, or all, of the aforementioned energy conservation measures, residential customers may decrease monthly energy consumption from five percent, to as much as thirty percent (the actual energy savings will vary depending upon the number of conservation measures installed, the quality of installation and personal energy use patterns).

Lodi G-1 Commercial Rebate Program- \$20,000

This program, first introduced in 1999, provides rebates to commercial customers under the electric rate classification of G-1. Specifically, the program offers a dollar-for-dollar rebate of up to \$200 for the purchase and installation of any/all of the following energy conservation improvements:

- ceiling fans; attic fans/ventilators; weather-stripping; attic insulation; air duct replacements/repairs; window tinting/shade screens/awning covers; HVAC/refrigeration (such as an annual diagnostic and preventative maintenance service for each HVAC unit and/or refrigeration system).

In addition, eligible customers may receive a rebate of 15 percent or \$750 (whichever amount is less), for installing a high efficiency mechanical system (13+ SEER air conditioner), or a lighting improvement/retrofit.

Participating customers must be on the published G-1 electric rate schedule, current on all City of Lodi utility charges and consent to a potential pre- and post-inspection. Since the program's inception, over 650 small businesses have reduced energy consumption by installing some or all of the aforementioned energy efficiency measures, and received a rebate from the City of Lodi. The average annual energy savings that can be achieved is 5 percent to 25 percent, depending upon the energy efficiency measure(s) installed.

Lodi G-2 Commercial Rebate Program- \$50,000

The rebates in this program are designed specifically for commercial customers assigned to the G-2 electric utility rate. Eligible customers may receive a rebate of up to \$6,000 for purchasing and installing any/all of the following energy conservation measures: building automation/energy management control systems, lighting retrofits, chiller & mechanical equipment change outs, annual HVAC/refrigeration service or maintenance, and special projects.

An approved rebate under this program calls for a minimum 15 percent energy savings, and the total rebate available is \$6,000 in a 12-month period for qualifying projects (one per customer of record). The rebate is calculated on total kilowatt-hour (kWh) savings; for the fiscal year 2008-2009, the rebate per kWh savings will be \$0.15/kWh (thus, if a customer develops, and presents to the utility, a project that will save 30,000 kWh in a year, the total rebate will be \$4,500; 30,000 kWh 'x' \$0.15/kWh = \$4,500).

Lodi G-3 to I-1 Commercial/Industrial Rebate Program- \$160,000

For the 2008-2009 fiscal year, the EUD is proposing to continue this program, with a total budget of \$160,000 for rebates. Eligible customers, assigned to the G-3, G-4, G-5, or I-1 electric utility rate, will have the opportunity to receive a maximum rebate of \$20,000 for qualifying projects, including: lighting retrofits, process/manufacturing equipment & heavy refrigeration improvements, chillers & mechanical equipment change-outs, building automation/energy management control systems improvements, and building envelope retrofits.

An approved rebate will be based upon the following criteria:

- a minimum of 15 percent electric energy savings per energy efficiency measure installed;
- a minimum of 10 percent operations and maintenance savings per energy efficiency measure installed;

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- inclusion of all required engineering, design, labor, and materials documentation (a customer seeking a utility rebate must provide a detailed description of the energy efficiency project; calculated energy savings audit associated with the project; calculated operations and maintenance savings associated with the project; total “turn-key” cost of the project; design/engineering specifications, design drawings, equipment manufacturer cut sheets; baseline energy consumption data of the existing equipment being removed).

The total rebate available per customer of record per City of Lodi fiscal year for qualifying projects is \$20,000. The rebate is calculated on total kilowatt-hour (kWh) savings; for the fiscal year 2008-2009 program, the rebate per kWh of savings will be \$0.15 (thus, if a customer develops, and presents to the utility a project that will save 50,000 kWh in a year, the total rebate will be \$7,500; 50,000 kWh ‘x’ \$0.15= \$7,500).

NOTE: For all aforementioned rebate programs, funds are made available on a first-come, first-served basis, and are available until said funds, by program, are exhausted.

NOTE: In the event any individual rebate program has unclaimed funds on May 15, 2009, EUD staff is authorized to shift those unclaimed funds to another rebate program at staff discretion.

Lodi Municipal Energy Efficiency/Miscellaneous Projects- \$60,000

For the 2008-2009 fiscal year, the EUD is budgeting \$60,000 for various energy efficiency projects that may be performed at city-owned facilities. These may include: lighting retrofits, high efficiency HVAC replacements/upgrades, building envelope improvements, and other approved energy conservation measures.

Lodi Evaluation, Measurement & Verification Project- \$60,000

Under state law, all electric service providers in California are now required to expend Public Benefit Program funds on the evaluation, measurement and verification of selected energy efficiency/conservation projects funded by Public Benefit program dollars. For the 2008-2009 fiscal year, the EUD is proposing to expend up to \$60,000 to review and assess the actual energy savings achieved through numerous energy efficiency projects implemented during the 2007-2008 fiscal year. The findings of these various assessments are then included in an annual filing with the California Energy Commission.

The EUD respectfully recommends approval of these five (5) programs as qualifying components of the City of Lodi Public Benefits Program, under the category of demand-side management or energy conservation.

(* Eligible customer: must be a City of Lodi Electric Utility customer.)

FISCAL IMPACT: \$440,000; these are funds that are to be collected and expended under state law in various Public Benefit program categories.

FUNDING AVAILABLE: 164605 – Public Benefits Program (Category: Demand-side Management)

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George F. Morrow
Electric Utility Director

Prepared By: Rob Lechner, Manager, Customer Service and Programs

GFM/rs/lst

RESOLUTION NO. 2008-_____

A RESOLUTION OF THE LODI CITY
COUNCIL APPROVING PUBLIC BENEFIT
PROGRAM FUNDS

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NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council hereby approves Public Benefit Program funds for the following program extensions and/or renewals as follows and as shown on the project descriptions marked Exhibit A attached hereto:

- 1) Lodi Appliance Rebate Program - \$20,000
- 2) Lodi Energy Efficient Home Improvement Rebate Program - \$70,000
- 3) Lodi G-1 Commercial Rebate Program - \$20,000
- 4) Lodi G-2 Commercial Rebate Program - \$50,000
- 5) Lodi G-3 to F-1 Commercial/Industrial Rebate Program - \$160,000
- 6) Lodi Municipal Energy Efficiency/Miscellaneous Projects - \$60,000
- 7) Lodi Evaluation, Measurement & Verification Project - \$60,000

Dated: June 4, 2008

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I hereby certify that Resolution No. 2008-_____ was passed and adopted by the City Council of the City of Lodi in a regular meeting held June 4, 2008, by the following Vote:

AYES: COUNCIL MEMBERS -
NOES: COUNCIL MEMBERS -
ABSENT: COUNCIL MEMBERS -
ABSTAIN: COUNCIL MEMBERS -

Randi Johl
City Clerk

2008-_____

EXHIBIT A

1. Lodi Appliance Rebate Program- \$20,000

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