



To: Grants and Loans Office

Date: 7/8/2011

Project Manager: Joseph Wang

Phone Number: (916) 654-4026

Office Special Projects Office

Division: Fuels and Transportation Division

MS- 23

Project Title: County of Glenn

Type of Request: (check one)

002-11-ECE-ARRA

New Agreement: (include items A - F from below) Agreement Number: Assigned by the G&L Office

Program: 3% ARRA Loan

Solicitation Name: _____

Legal Name of Recipient: County of Glenn

Recipient's Full Mailing Address: 777 N Colusa Street, Willows, CA 95988

Recipient's Project Officer: Annette Chavez Phone Number: (530) 934-6533 ext.

Email Address ecooney@hillsborough.net

Agreement Start Date: 8/24/2011 Agreement End Date: 03/31/2012

Annual Energy Savings: \$ 33,170.00 Total Loan Amount: \$ 243,000.00

Number of Repay Periods: 15 years

Amendment: (Check all that apply) Agreement Number: _____

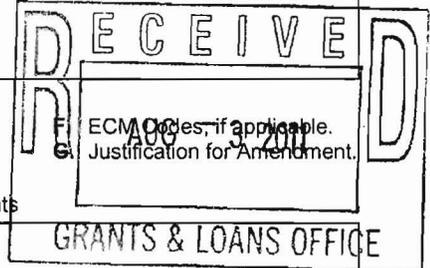
Term Extension – New End Date: / /

Change of Scope (include items A – G from below, as applicable)

Loan Augmentation: \$ _____

ITEMS TO ATTACH WITH REQUEST:

- A. Loan information including application and budget details.
- B. Recipient Resolution.
- C. Special Conditions, if applicable.
- D. CEQA Compliance Form.
- E. Other Documents as applicable.
 - Copy of Pre-Award Correspondence
 - Copy of All Other Relevant Documents



California Environmental Quality Act (CEQA)

CEC finds, based on recipient's documentation in compliance with CEQA:

Project exempt: 15301 1(a) NOE filed: / /

Environmental Document prepared: Type NOD filed: / /

Other: Explain

CEC has made CEQA finding described in CEC-280, attached

Funding Information:

Source #	Amount	Statute	FY	Budget List #
Source #1: <u>ECAA-ARRA</u>	<u>\$ 33,000.00</u>	<u>2009</u>	<u>2011</u>	<u>601.003D</u>
Source #2: <u>ECA</u>	<u>\$ 210,000.00</u>	<u>1994</u>	<u>2011</u>	<u>401.007</u>
Source #3: _____	<u>\$ 0.00</u>	_____	_____	_____

Business Meeting Approval: (refer to Business Meeting Schedule) Date due to Secretariat: / /

Proposed Business Meeting Date: 8-24-2011 9/7/11 Consent Discussion

Business Meeting Participant: Joseph Wang Time Needed: (5 minutes)

Agenda Notice Statement: (This is the description that will appear on the agenda)

Possible approval of a \$243,000 loan to the County of Glenn to install new energy efficient HVAC systems and new energy efficient interior lights. The County will use this loan, PG&E rebate and the block grant to install these two projects. These projects are estimated to save about \$33,170 annually and have a simple payback of 6.7 years.

Joseph Wang 7/14/2011 Deborah Hedrey 7/11/11 Pat Perry 7/19/11
 Project Manager Date Office Manager Date Deputy Director Date

[Signature] 7-23-11 [Signature] 7-29-11
 Executive Director Date Presiding Policy Committee Date Associate Policy Committee Date

Memorandum

To: Robert P. Oglesby
Executive Director

Date : July 8, 2011

Telephone: (916)-654-4026

From : **California Energy Commission**
1516 Ninth Street
Sacramento CA 95814-5512

Subject: STAFF RECOMMENDATION TO APPROVE A \$243,000 LOAN WITH THE AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) FUNDS AND/OR ENERGY CONSERVATION ASSISTANCE ACT (ECAA) FUNDS TO THE COUNTY OF GLENN TO HIGH EFFICIENCY HVAC AND NEW ENERGY EFFICIENT LIGHTS TO BE CONSIDERED AT THE AUGUST 24, 2011 BUSINESS MEETING

Summary of Item

The County of Glenn requested a loan for \$243,000 to install three HVAC system with duct modification at County Auditor's Building, Orland Administration Office Building, and Jane Hahn Juvenile Hall Building in Willows and Orland. In addition, the County plans to replace the old T12 fluorescent lamps and magnetic ballasts with new energy efficient T8 lights in sixteen major county facilities to improve the energy efficiency. Through a city wide energy audit, a number of new energy efficiency measures have been identified. These measures include retrofitting interior lights in various county buildings, installing new energy efficient HVAC, and modifying air distribution systems in county buildings. These projects will be funded by an EECBG grant, PG&E rebate and this loan. These two projects are expected to reduce about 82.3 kW peak demand and 193,276 kWh of electricity use annually, reduce \$57,000 in annual energy costs and have a simple payback of 6.7 years. These efficiency measures are also expected to annually reduce carbon dioxide emissions by over 153,000 pounds.

The total project cost for the recommended energy efficiency measures is estimated to be \$352,666. The loan amount reflects about half of the total project cost. The project will be funded by EECBG block grant funds, PG&E rebate, and Energy Commission loan funds. The project breakdown is as follows:

- Energy Commission Loan: \$243,000
- EECBG Block Grant funds (ARRA): \$88,666
- PG&E rebate: \$21,000

The funding for the loan will come from the American Recovery and Reinvestment Act (ARRA) Funds. The interest rate will be 3.00 percent. Table 1 summarizes the project savings, cost and simple payback for each project. The following table summarizes the energy efficiency project savings:

Commission Action Requested

Approve the grant amendment and authorize the Executive Director to execute the grant amendment documents.

A handwritten signature in black ink that reads "Pat Perez". The signature is written in a cursive style with a long, sweeping underline that extends to the right.

PAT PEREZ, Deputy Director
Fuels and Transportation Division

**County of Glenn
HVAC and Lighting Project
Grant Amount: \$88,666**

Pros and Cons

The following are the Pros and Cons to the Energy Commission of providing a grant to the County of Glenn:

Pros:

- To reduce energy use, electrical demand, and greenhouse gas emissions through energy efficiency is consistent with the Energy Commission's *2010 Integrated Energy Policy Report*.
- Provides a grant to help the County install energy efficiency projects that it may otherwise not be able to fund.

Cons:

- None

EXHIBIT A

BUDGET DETAILS

This loan is made to the Town of Hillsborough (“Borrower”) for an Energy Efficiency Project. The project consists of the interior lighting upgrade and pump replacement.

The Table below summarizes the estimated project cost(s), saving(s) and simple payback(s) for the project.

TABLE 1: Estimated Energy Efficiency Project Savings:

Energy Efficiency Projects	Estimated Total Project Cost	Energy Commission Loan	Estimated Annual Energy Cost Savings	Payback Based on Loan Amount* (Years)
Light Fixture upgrade (including 1210 fixtures to be converted to T8 and electronic ballast)	\$23,000		\$12,459	
HVAC upgrade at 3 facilities(20 tons total)	\$220,000		\$20,711	
GRAND TOTAL ALL MEASURES	\$243,000	\$243,000	\$33,170	6.7

The Borrower shall implement all projects in Table 1. Failure to implement all projects may reduce the approved loan amount. If necessary, the reduced loan amount will be determined by multiplying the annual energy cost savings by 11 or the total project cost, whichever is less.

If the Borrower has received disbursements that exceed the amount of the reduced loan, the Borrower shall refund the difference to the Energy Commission.

EXHIBIT A

ATTACHMENT 1

BUDGET DETAIL/PROJECT COST AND SAVINGS

This loan is made to the County of Glenn ("Borrower") for an energy savings Project. The Project consists of interior lighting upgrades and HVAC replacement to be installed at 11 County facilities in Willows and Cortland, CA.

The Table below summarizes the estimated Project cost(s), saving(s) and simple payback(s) for the Project.

TABLE 1: Summary of Project Cost and Savings:

Energy Efficiency Projects	Estimated Total Project Cost	Energy Commission Loan	Estimated Annual Energy Cost Savings	Simple Payback* (Years)
Light Fixture upgrade (including 1210 fixtures to be converted to T8 and electronic ballast)	\$23,000		\$12,459	
HVAC upgrade at 3 facilities(20 tons total)	\$220,000		\$20,711	
GRAND TOTAL ALL MEASURES	\$243,000	\$243,000	\$33,170	7.3

* The simple payback is based on the loan amount.

The Borrower shall implement the Project in Table 1. Failure to implement all portions of the Project may reduce the approved loan amount. If necessary, the reduced loan amount will be determined by multiplying the annual energy cost savings by 11 or the total project cost, whichever is less. If the Borrower has received disbursements that exceed the amount of the reduced loan, the Borrower shall refund the difference to the Energy Commission.