

**MEMORANDUM  
DEPARTMENT OF FACILITY SERVICES  
COUNTY OF PLACER**

To: **BOARD OF SUPERVISORS**

Date: **DECEMBER 8, 2009**

From: *JD* **JAMES DURFEE / JOEL SWIFT** *JS*

Subject: **ENERGY EFFICIENCY CONSERVATION BLOCK GRANT APPLICATION**

**ACTION REQUESTED/RECOMMENDATION:** It is recommended that your Board adopt a Resolution regarding the Energy Efficiency Conservation Block Grant (EECBG) program administered by the California Energy Commission (CEC) with the following actions:

1. Your Board finds that the approval of the energy efficiency projects described in Exhibit A is Categorically Exempt from the California Environmental Quality Act pursuant to Section 15301-Class 1: Existing Facilities, which provides for the repair and maintenance of existing public structures where no expansion of use will result; and
2. Your Board authorizes the submittal of the application to the CEC's EECBG Program for funds to execute the proposed project, described in Exhibit A; and
3. If approved for funding by the CEC, your Board authorizes the Department of Facility Services to accept a grant award up to the amount of this application for \$606,540, and authorizes the Director of Facility Services to execute all necessary contracts and agreements, and amendments to implement and carry out the purposes specified in the EECBG application.

**BACKGROUND:** In the past years your Board has approved a series of energy efficiency and conservation projects that reduce energy consumption and utility cost to the County. These include lighting retrofits, boiler and air conditioning equipment replacements, photovoltaic electricity generation projects and energy efficiency measures included in a wide variety of capital projects. In the past, County staff has worked closely with Pacific Gas and Electric (PG&E) and the CEC to obtain rebates and other incentives to mitigate the cost of energy efficiency and conservation projects.

On August 18, 2009, your Board authorized the Chairman to sign a letter of intent to submit an application to the CEC for the EECBG program that provides federal funds for energy efficiency and conservation projects for local government. The CEC is the state agency designated to manage the EECBG of the American Recovery and Reinvestment Act of 2009. The CEC will be distributing approximately \$29.7 million of these funds to small cities and counties that are not eligible for direct grants from the Department of Energy. According to the CEC, Placer County is an eligible applicant for \$606,540 of this grant funding.

County staff has worked closely with our partners, PG&E and MotherLode energy consultants, to develop a feasibility study and a list of potential projects for inclusion in the County's grant application. The EECBG has specific requirements that restrict the type of project to include energy efficiency improvements that meet the CEC guidelines for cost-effectiveness, as measured in energy savings per grant dollar. The types of projects identified in the grant include air conditioning equipment replacement, thermostats, high efficiency windows, lighting and air conditioning controls and devices to monitor and reduce energy consumption. The EECBG also includes specific requirements for accounting, reporting, prevailing wages, and other conditions that the County would need to adhere to in order to secure grant funding. The attached Exhibit A includes a list of those projects recommended by staff for inclusion in the EECBG application.

The EECBG application needs to be submitted prior to January 12, 2010. The CEC anticipates awarding grants by the end of March 2010 and construction must be completed on or before September 13, 2012.

It is requested that your Board adopt a Resolution accepting the proposed projects for inclusion in the EECBG grant application, and delegate authority for execution of related documents to the Director of Facility Services.

**ENVIRONMENTAL CLEARANCE:** The EECBG project is Categorically Exempt from the California Environmental Quality Act pursuant to Section 15301-Class 1: Existing Facilities, which provides for the repair and maintenance of existing public structures where no expansion of use will result.

**FISCAL IMPACT:** The total cost for the projects in Exhibit A is estimated to be \$1,000,440. The CEC estimates the potential federal funding allocation for the County of Placer to be no less than \$606,540. The CEC has stated that actual grant amounts may be higher, depending on funds released by other jurisdictions that do not complete a successful grant application. The Administrative Office of the Courts (AOC) has agreed to contribute approximately \$160,000 for projects in the Auburn Historic Courthouse (Projects 4 and 5 in Exhibit A). PG&E estimates the value of rebates and incentives to the County to be worth around \$133,000. After grant funding, AOC contribution and rebates, the County share is estimated to be \$273,744. The County match for the EECBG would be funded from existing Energy Conservation and Miscellaneous projects in the Building Fund. The anticipated savings, once the improvements are completed, are estimated to be \$101,000 per year, or around three years for payback.

After the CEC takes action on the Placer County EECBG application and determines the exact amount of the awarded grant, staff will return to your board with a Budget Revision for the County match to the EECBG.

JD:JS:SR

ATTACHMENTS: EXHIBIT A: PROJECT LIST  
RESOLUTION

CC: COUNTY EXECUTIVE OFFICE  
PROCUREMENT

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Project Number	Energy Efficiency Project	Annual Electricity Savings, kWh	Electricity mmBtu Savings	Natural Gas Savings, therms	Thermal mmBtu Savings	Total mmBtu Savings	Total Project Cost	EEBCG Grant	Cost Effectiveness Ratio mmBtu/\$1000	County Match	Other (AOC)	Rebates and incentives
1	RetroCx Energy Efficiency Measures, CDRC	52,182.00	534.291	1699.0	170	704.2	\$ 11,207	\$ 11,207	62.83	\$ -		\$ 3,028
2	Digital Energy Items M-1, M-2 at Auburn Main Jail Housing Unit 3	103,784.00	1062.644	2910.0	291	1353.6	\$ 260,302	\$ 198,000	6.84	\$ 62,302		
3	Replace Boiler at Auburn Main Jail Kitchen		0.000	1609.0	160.9	160.9	\$ 26,789	\$ 20,000	8.05	\$ 6,789		
4	Digital Energy recommendations, Auburn Historic Courthouse	150,372.00	1539.659	2017.0	202	1741.4	\$ 210,316	\$ 80,000	21.77	\$ 29,973	\$ 100,343	\$ 20,056
5	Replace glazing with dual pane high efficiency glazing, Auburn Historic Courthouse	3.56	0.036	27.5	3	2.8	\$ 100,058	\$ 21,717	0.13	\$ 18,018	\$ 60,322	
6	Replace glazing with dual pane high efficiency glazing, with south sunshade, Personnel Building, Fulweiler	11.50	0.118	43.1	4	4.4	\$ 140,787	\$ 50,000	0.09	\$ 90,787		
7	Upgrade Lighting Controls, Finance Administration Building	150.00	1.536	0.0	0	1.5	\$ 17,280	\$ 1,000	1.54	\$ 16,280		
8	Upgrade Lighting to T-8 High Efficiency, 2071 locations	137,883.48	1411.789	0.0	0	1411.8	\$ 310,650	\$ 140,000	10.08	\$ 170,650		\$ 103,550
9	Upgrade Incandescent to CFL Lighting, 45 locations	12,347.40	126.425	0.0	0	126.4	\$ 17,550	\$ 14,175	8.92	\$ 3,375		\$ 3,375
10	Upgrade Exit Lighting, 29 locations	10,179.00	104.223	0.0	0	104.2	\$ 25,880	\$ 22,980	4.54	\$ 2,900		\$ 2,900
11	Install Vending Machine Misers, 28 locations	40,079.20	410.371	0.0	0	410.4	\$ 24,360	\$ 24,360	16.85	\$ -		
12	Lighting Occupancy Sensors, 50 locations	5,150.00	52.731	0.0	0	52.7	\$ 18,000	\$ 12,421	4.25	\$ 5,579		
13	Thermostat Replacement, 30 locations	20.00	2.000	17.0	2	3.7	\$ 10,680	\$ 10,680	0.35	\$ -		
	<b>Total</b>	<b>512,162.14</b>	<b>5,245.82</b>	<b>8,322.67</b>	<b>832</b>	<b>6,078</b>	<b>\$ 1,173,858</b>	<b>\$ 606,540</b>	<b>10.02</b>	<b>\$ 406,653</b>	<b>\$ 160,666</b>	<b>\$ 132,909</b>

Estimated annual savings: Electricity 92,189.18 Gas \$ 9,279.78  
 Total annual savings \$ 101,468.96  
 Payback, years (w/o rebates) 4.01  
 Payback, years (w/rebates) 2.70

\$ 273,744 35% of total project County share, after rebates  
 \$ 132,909 23% of total project

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# Before the Board of Supervisors County of Placer, State of California

In the matter of: A RESOLUTION AUTHORIZING THE  
DIRECTOR OF FACILITY SERVICES, OR HIS DESIGNEE,  
TO EXECUTE ALL NECESSARY DOCUMENTS REGARDING  
THE ENERGY EFFICIENCY CONSERVATION BLOCK  
GRANT APPLICATION.

Resol. \_\_\_\_\_

The following RESOLUTION was duly passed by the Board of Supervisors  
of the County of Placer at a regular meeting held \_\_\_\_\_,  
by the following vote on roll call:

Ayes:

Noes:

Absent:

Signed and approved by me after its passage.

\_\_\_\_\_  
Chairman, Board of Supervisors

Attest:

\_\_\_\_\_  
Clerk of said Board

**WHEREAS**, the County of Placer recognizes that it is in the interest of the regional, state, and national economy to stimulate the economy; create and retain jobs; reduce fossil fuel emissions; and reduce total energy usage and improve energy efficiency within our jurisdiction; and

**WHEREAS**, Energy Efficiency and Conservation Block Grant (EECBG) funds are available through the California Energy Commission's EECBG Program for grants to eligible local governments for cost-effective energy efficiency projects; and

**WHEREAS**, the County of Placer is eligible for EECBG funding under the California Energy Commission's EECBG Program; and

**WHEREAS**, the County of Placer is proposing to implement the energy efficiency projects described in Exhibit A in order to qualify for EECBG funds from the California Energy Commission; and

**WHEREAS**, the County of Placer has considered the application of the California Environmental Quality Act (CEQA) to the approval of the energy efficiency projects described in Exhibit A; and

**NOW, THEREFORE, BE IT RESOLVED**, that in compliance with the CEQA, County of Placer finds that the approval of the energy efficiency projects described in Exhibit A is Categorically Exempt from the California Environmental Quality Act pursuant to Section 15301-Class 1: Existing Facilities, which provides for the repair and maintenance of existing public structures where no expansion of use will result.

**BE IT ALSO RESOLVED**, that the County of Placer authorizes the submittal of the application to the California Energy Commission's EECBG Program for funds to execute the proposed project described in Exhibit A.

**BE IT ALSO RESOLVED**, if recommended for funding by the California Energy Commission, the County of Placer authorizes the Department of Facility Services to accept a grant award up to the amount of this application for \$606,540, and, that Director of Facility Services, acting for the County of Placer, is hereby authorized and empowered to execute in the name of County of Placer, all necessary contracts and agreements, and amendments hereto, to implement and carry out the purposes specified in the application.