

Memorandum

To: Melissa Jones
Executive Director

Date: June 10, 2011

Telephone: 651-3004

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

Subject: STAFF RECOMMENDATION TO APPROVE AN AMENDMENT TO THE COUNTY OF MONO'S ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT TO CHANGE THE SCOPE OF WORK, REVISE THE BUDGET, AND EXTEND THE TERM TO BE CONSIDERED AT THE JULY 27TH BUSINESS MEETING.

Summary of Item

The California Energy Commission approved an Energy Efficiency and Conservation Block Grant to the County of Mono(the County) in the amount of \$49,649 to upgrade the HVAC systems by installing new zone thermostats, mixed air temperature controls, premium motors with VFDs, and high/low voltage interconnections in the County's Annexes 1 and 2.

The County is now requesting to remove the premium VFDs and high/low voltage interconnections measures due to budget and cost-effectiveness.

Instead, the County wants to install deck controls in both Annex 1 and 2, 3-way hot water control valves on air handlers in Annex 2, and retrofit the lighting in Annex 1 and 2. The lighting retrofit includes T-12 to T-8 conversions, compact fluorescent bulbs, and LED exit signs.

The Budget is being revised allocating \$25,153 to Non-Labor Contract Expenses and \$24,197 to Contract Labor for a total project cost of \$49,350.

Since the project cost only totals \$49,350, the original grant amount will be reduced to equal the new total project cost.

The original term of the grant agreement is June 14, 2010 to November 30, 2011. The County is requesting to extend the end date until June 1, 2012 to allow more time for project completion.

This project will reduce the County's annual energy use by an estimated 47,064 kWh. This will save the County approximately \$7,000 annually in energy costs.

Table 1 summarizes the project savings

Project/Location	Annual Electric Savings (kWh)	Annual Cost Savings (\$)	Estimated Total Project Cost (\$)
Annex 1 HVAC Controls Upgrade	15,439	\$2,316	-
Annex 2 HVAC Controls Upgrade	27,157	\$4,074	-
Lighting Retrofit	4,468	\$670	-
TOTAL	47,064	\$7,060	\$49,350

Justification for Action Requested:

The County is committed to reducing their energy consumption and to the reduction of greenhouse gas emissions. These projects, when completed, will reduce approximately 32,000 lbs of harmful carbon dioxide emissions annually.

Energy Commission staff has determined that the amendment request for the County is technically justified and meets all requirements under the Energy Efficiency and Conservation Block Grant Program. The program requires a minimum savings of 10 MMbtu annually per \$1000 grant funds expended, which this project meets.

As a result, staff recommends approval of this amendment to the County of Mono.

Project Manager

Cheng Moua, Special Projects Office

Oral Presentation

Staff will be prepared to discuss this recommendation and to respond to questions regarding the amendment.

Business Meeting Participants

Cheng Moua, Special Projects Office, Fuels and Transportation Division

Commission Action Requested

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

PAT PEREZ, Deputy Director
FUELS AND TRANSPORTATION DIVISION

**County of Mono
CBG-09-026
Amendment #1**

Pros and Cons

The following are the Pros and Cons to the Energy Commission of providing a grant to the County of Mono.

Pros:

- The projects are technically feasible and will help the County of Mono reduce their energy consumption, cost and help improve the environment.
- Consistent with the Energy Commission's *2009 Integrated Energy Policy Report* to reduce energy use, demand, and greenhouse gas emissions through efficiency and renewable energy programs and diversify California's energy sources.
- Consistent with the office's work plan goals of providing grants to public agencies for cost-effective energy saving projects.

Cons:

- None

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