

Priority: Accountability
Program Offer Type: Innovative/New Program
Related Programs:
Program Characteristics: One-Time-Only Request

Lead Agency: County Management
Program Contact: Jon Schrotzberger

Executive Summary

Given the apparent success of the current Photovoltaic (PV) Project, the proposed efforts will continue the innovative projects sponsored by District 2 & Facilities to explore new approaches to providing economic & viable renewable energy sources within the County for the use of the County. This offer will provide funding for two new projects: the solar carport project, and the solar heating project.

Program Description

The Solar Carport Project intends to develop an RFP for third-party proposals to finance, design, build, operate and maintain solar photovoltaic (pv) systems at County-owned parking sites (e.g. health centers, libraries, and large parking lots). The objective is to create integrated designs to reduce the "heat island" effect of asphalt paving and to capture stormwater from carports for reuse in landscape irrigation or toilet flushing in addition to providing net-metered electric power. Facilities will provide design review and contract administration for installation of selected Proposal. Request is for \$50,000.

Solar Heating Project - the Facilities Energy Manager will hire an engineering consultant to prepare Schematic Design of plumbing systems; calculate water demand/hour; and develop an RFP for solar water heating for detention and kitchen facilities. Facilities will provide design review and contract administration. Request is for \$75,000.

1. Inverness Jail
2. Justice Center
3. Juvenile Justice Center
4. Wapato (Alternate Bid)

Program Justification

The projects listed are intending to use minimal County investment to maximize the opportunities for renewable power development to be funded by third parties through a Power Purchase Agreement (PPA). Initially, what is needed is feasibility studies to test assumptions of energy production strategy, validation of technology, development of cost estimates for execution and providing anticipated ROI to the County for the potential projects. Using the PV project as an example, we are able to leverage a project estimated at \$9 million using the incentive of a PPA that saves the County money starting on the first day of operation.

Performance Measures

Measure Type	Primary Measure	Previous Year Actual (FY06-07)	Current Year Purchased (FY07-08)	Current Year Estimate (FY07-08)	Next Year Offer (FY08-09)
Output	Complete studies within budget	0.0%	0.0%	0.0%	100.0%
Outcome		0	0	0	0

Performance Measure - Description

Containing the cost of the studies to the funded amount.

Legal/Contractual Obligation

Revenue/Expense Detail

	Proposed General Fund	Proposed Other Funds	Proposed General Fund	Proposed Other Funds
Program Expenses	2008	2008	2009	2009
Contracts	\$0	\$0	\$0	\$125,000
Cash Transfer	\$0	\$0	\$125,000	\$0
Subtotal: Direct Exps:	\$0	\$0	\$125,000	\$125,000
Administration	\$0	\$0	\$0	\$0
Program Support	\$0	\$0	\$0	\$0
Subtotal: Other Exps:	\$0	\$0	\$0	\$0
Total GF/non-GF:	\$0	\$0	\$125,000	\$125,000
Program Total:	\$0		\$250,000	
Program FTE	0.00	0.00	0.00	0.00
Program Revenues				
Other / Miscellaneous	\$0	\$0	\$0	\$125,000
Program Revenue for Admin	\$0	\$0	\$0	\$0
Total Revenue:	\$0	\$0	\$0	\$125,000

Explanation of Revenues

Significant Program Changes

Last year this program was:
One time only / Innovative Request.