

# Energy Systems Modernization (P361302)

Category  
Sub Category  
Administering Agency  
Planning Area

General Government  
County Offices and Other Improvements  
General Services (AAGE29)  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

1/6/14  
No  
None  
Ongoing

Total	Thru FY13	Est FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
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## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	5,800	0	4,000	1,800	300	300	300	300	300	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0
Construction	76,000	0	16,000	60,000	10,000	10,000	10,000	10,000	10,000	0
Other	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>81,800</b>	<b>0</b>	<b>20,000</b>	<b>61,800</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>0</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	1,800	0	0	1,800	300	300	300	300	300	0
Long-Term Financing	80,000	0	20,000	60,000	10,000	10,000	10,000	10,000	10,000	0
<b>Total</b>	<b>81,800</b>	<b>0</b>	<b>20,000</b>	<b>61,800</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>10,300</b>	<b>0</b>

## APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 15	10,300
Appropriation Request Est.	FY 16	10,300
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		20,000
Expenditure / Encumbrances		0
Unencumbered Balance		20,000

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 15 81,800
Last FY's Cost Estimate	20,000

### Description

This project provides a means to implement energy savings performance contracting as a mechanism to reduce the County's energy usage and perform strategic facility upgrades with significantly reduced capital costs. These contracts performed by Energy Services Companies (ESCOs) have been used extensively by the federal government and other state and local jurisdictions to accomplish energy saving retrofits in a variety of facility applications. For each facility proposed, a unique prescriptive energy conservation analysis (audit) is conducted. Savings are associated with each element (energy conservation measure) of the analysis. Ultimately, the compilation of the measures defines the project. Third party funding (bonds or commercial loans) covers the cost of the contract. A key feature of Energy Savings Performance Contracts (ESPC) is that no General Obligation (G.O.) bonds are required for the contract and construction costs. A financing mechanism is initiated to cover the cost of the contract and the repayment of the debt is guaranteed through the energy savings. G.O. Bonds are required to cover associated staffing costs.

### Location

The pilot ESPC has been implemented at Health and Human Services headquarters, 401 Hungerford Drive. Other County facilities will follow.

### Estimated Schedule

DGS is reviewing and selecting tasks beginning in FY15.

### Cost Change

Increase due to funding for staffing and contract costs for FY15-20.

### Justification

Implementation of this project is consistent with the County's continuing objective to accomplish environmentally friendly initiatives as well as limit the level of G.O. Bonds. The ultimate objective of the individual building projects is to permanently lower the County's energy usage, reduce its carbon footprint and save considerable operating expenses.

### Other

The proposals outlined in this program are developed in conjunction with the Department of General Services, the Department of Finance, and the Office of Management and Budget. Financial consultants will be employed to advise and guide the financial decisions. Projects will be implemented based on the potential for energy savings as well as operational and infrastructure upgrades.

### Coordination

Department of General Services, Department of Finance, Office of Management and Budget