

Energy Systems Modernization (P361302)

Category General Government
 Sub Category County Offices and Other Improvements
 Administering Agency General Services (AAGE29)
 Planning Area Countywide

Date Last Modified 5/12/16
 Required Adequate Public Facility No
 Relocation Impact None
 Status Ongoing

	Total	Thru FY15	Est FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,400	153	4,447	1,800	300	300	300	300	300	300	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	95,999	4,193	31,806	60,000	10,000	10,000	10,000	10,000	10,000	10,000	0
Other	1	1	0	0	0	0	0	0	0	0	0
Total	102,400	4,347	36,253	61,800	10,300	10,300	10,300	10,300	10,300	10,300	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	2,400	39	561	1,800	300	300	300	300	300	300	0
Long-Term Financing	100,000	4,308	35,692	60,000	10,000	10,000	10,000	10,000	10,000	10,000	0
Total	102,400	4,347	36,253	61,800	10,300	10,300	10,300	10,300	10,300	10,300	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 17	10,300
Appropriation Request Est.	FY 18	10,300
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		40,600
Expenditure / Encumbrances		4,407
Unencumbered Balance		36,193

Date First Appropriation	FY 13
First Cost Estimate	
Current Scope	FY 17 102,400
Last FY's Cost Estimate	81,800

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.

Estimated Schedule

FY17 and FY18: 1301 Piccard, Pre-Release Center, Longwood Community Recreation Center, 8818 Georgia Ave, Kensington Park Library, Aspen Hill Library, UpCounty Regional Services Center

Cost Change

Increase due to funding for FY21-22.

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