

Capital Projects

FY23

Capital Projects – Maintenance Reserve Funded

Douglas Roof Project:

Complete -

Total Costs: \$578,660

Capital Projects – VMNH-Foundation Funded

Jean S. Adams Education Pavilion:

Update:

The revised project is currently out for bid. Bids are due April 20th to be opened on April 21st.

Total Estimated Costs: N/A Pending Construction Contact

Capital Projects – Federally Funded

Energy Service Companies Proposal:

Update:

We have completed several Energy Conservation Measures (ECMS) to date. The lighting throughout the building has been upgraded to LEDs. Solar panels have been installed on the roof of the Starling Avenue building. Refrigerant Catalyst has been added to the heating and cooling system and the insulation and weatherization portions of the project have been completed. HVAC recommissioning, and the installation of the 2 Fast EV charging stations have reached the point of substantial completion.

Project Summary:

Energy service companies (ESCOs) develop, design, build and arrange to finance for projects that save energy, reduce energy costs, and decrease operations and maintenance costs at their customers' facilities. In general, ESCOs act as project developers for a comprehensive range of energy conservation measures (ECMs) and assume the technical and performance risks associated with a project.

The Department of Mines Minerals and Energy has confirmed that Buy American/Bacon-Davis pricing was used for the entire EPC (Energy Performance Contract), not just for the Solar PV portion of the proposal. Because our Solar Enhanced EPC funding program is Federal, the requirement is that every ECM (Energy Conservation Measure) and the entire project must adhere to Buy American/Bacon-Davis.

Scope of the Final Project:

ECM Description	ECM Scope
Strategic LED Retrofit (ARRA)	1,049 LED Retrofits, 57 Enlighted Sensors
Insulation and Weatherization	Repair/replace door weather-strips, sweeps, astragals & garage door seal. Inspect & seal exterior windows & vents. 697 linear feet. Insulate window wall 525 sf.
HVAC/ BAS Recommission (ARRA Compliant)	Inspect & repair & recommission HVAC including 25 AHU, 2 Chillers, 2 boilers, 81 VAVs, 17 humidifiers, BAS, sensors & controls.
IceCold Refrigerant Catalyst - 130 ton	Add 80 ounces of refrigerant catalyst.
IceCold Refrigerant Catalyst - 270 ton	Add 130 ounces of refrigerant catalyst.
Generator Heat Pump	Install generator block heater HP in parallel with existing heater.
59.6 kW Solar (Metal Roof Only)	Install 59.6 kW solar array (142 panels, two inverters) on the metal roof & grid-tie behind the meter.
Two Level 3 DC Fast EV Chargers	Install 2 EVgo Delta 25 kW Fast DCF Chargers to be supplied by VMNH

Capital Projects – Pool Funded

VMNH-Waynesboro – New Facility Construction

Authorization was granted to infuse an additional \$1,148,000 Funds (09650) into this project such that the total funds available are now \$1,148,000. Authorization is further granted to prepare the schematic design in accordance with the current Construction and Professional Services Manual. The total Detailed Planning cost shall not exceed \$1,148,000. This action supersedes that of CO-2 dated July 9, 2019 and approved August 12, 2019 only concerning the infusion of funds, total funds available, and project budget breakdown. Mike Coppa - DGS (Department of General Services)

The Department of Planning and Budget has release the initial - \$1,148,000 required to start the Detail Planning process.

We have signed the MOU with James Madison University and plan to bring them on to act as the agency's project manager. They will join the team as part of the selection committee and participate in the interviews.

Update:

The project is currently working its way through the final stages of the schematic design phase. Schematic design will provide the agency with a cost estimate to will be submitted to the Department of Planning and Budget. This valuation will be used to help form the construction budget before the project is moved to the capital pool. This stage also helps to define the site plan and the narrative for exhibits.

Also, the property transfer is well underway from the City of Waynesboro to the Commonwealth. City official and staff from the Virginia Museums of Natural will continue to work closely with Division of Real Estate Services over the next 12 months to ensure the process go smoothly.

A/E Proposed Timeline***

The following schedule shall apply to the A/E's Services:

Schematic Design Phase: November 13, 2022 – June 30, 2023

Preliminary Design Phase: July 1, 2023 – February 29, 2024

DATES AND TIMES SUBJECT TO CHANGE***