

Capital Projects

FY23

Capital Projects – VMNH-Foundation Funded

Jean S. Adams Education Pavilion:

Update:

The final version of working drawing have been submitted to the department of general services.

The A/E firm is currently working with the Department of General Services to right size the project to fit the budget. Parameters which are affecting budget include inflation and increasing labor rates.

This project will include the installation of a multifunctional three season canopy to the rear of the building. Also, the stairs exiting the building down to Oakdale Street will be renovated to meet code.

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 add to the heating and cooling system and the insulation and weatherization portions of the project have been completed.

ECMs that remain to be completed include the installation of the generator heat pump the finalization of the HVAC recommissioning, and the installation of the 2 Fast EV charging stations.

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.

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)



Virginia Museum of
NATURAL HISTORY

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:

VMNH has reached an agreement with Glave' & Holmes Architecture. The firm is located in Richmond, Virginia. The firm is highly qualified and their proximity to the state Capital and the Department of General Services gives them a strategic advantage.

A/E Proposed Timeline***

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

Schematic Design Phase: October 13, 2022 – December 15, 2022

Preliminary Design Phase: January 1, 2023 – May 19, 2023

Working Drawings: July 3, 2023 – Feb 14, 2024

Construction Phase: March 15, 2024 – August 1, 2025

DATES AND TIMES SUBJECT TO CHANGE***