



Welcome to a summary report of active capital projects in the Mount Vernon District.
Please scroll down to view the individual projects being managed by the Department of Public Works and Environmental Services.

If you need more information about a project, please call 703-324-5800, TTY 711.

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30010
Project Number 2G25-125-003
Project Name Mount Vernon Masterplan

Project Description

The project scope is to study master plan design options for public facilities to include, but not limited to, Library, Police Station, Fire Station, District Supervisor's Offices.

Total Project Estimate \$450,000
Future Funding TBD
Project Phase Study

Construction Award

Project Complete

Remarks

Grimm and Parker Architects (G+P) submitted the draft due diligence report including the existing conditions of the site and buildings, zoning and Comprehensive Plan requirements, and a transportation analysis on 6/27/2024. The Public Private Partnerships Branch returned comments on the draft report on 7/17/2024 and coordinated with Fire and Rescue Department to provide additional information required for the Transportation Analysis . A graphic for the required spacing between intersections is under review. The Mount Vernon District Supervisor's office is in the process of determining the community members for the Steering Committee. The first Steering Committee meeting will be scheduled in 10/2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30010
Project Number GF-000019-001
Project Name Workhouse Art Center Site Redevelopment
Project Description

Existing Conditions assessment for the W-1, W-12, W-17, and W-18 buildings on the Workhouse Campus.

Total Project Estimate \$2,000,000
Future Funding TBD
Project Phase Pre-Design

Construction Award

Project Complete

Remarks

The County's Hazardous Materials consultant (AMA) was on site between 08/19/24 to 08/30/24 to conduct hazardous materials testing in buildings W-1, W-7A, W-12, W-17, and W-18. The hazardous materials report was submitted on 9/ 11/2024. HGA will be on site this fall to conduct existing conditions assessments and scan the exteriors of all 5 buildings and Interior scans for W-1 and W-12.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

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Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30010
Project Number GF-000019-002
Project Name Workhouse Buildings W13/W15

Project Description

Warm-lit-shell renovation of approximately 10,000 square feet for future food and beverage tenant fit-outs at historic Workhouse Campus Buildings W-13 and W-15, located at 9514 and 9517 Workhouse Way, Lorton, VA. Associated site enhancements include a central boardwalk, hardscape, landscape, and outdoor furnishing upgrades, stormwater facility installation, Workhouse Way paving and accessibility modifications, as well as streetscape improvements along Ox Road.

Total Project Estimate \$7,476,194
Future Funding \$426,194
Project Phase Post-Construction
Construction Award 03/14/2022 (A)
Project Complete 12/13/2023 (A)

Remarks

Substantial Completion Certificates were issued in 12/2024, and FMD building turnover activities and requirements are complete. W15 tenant leasing and marketing activities continue in collaboration with JLL and DEI.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30010
Project Number GF-000019-004
Project Name Workhouse Building W-7A

Project Description

Renovation of approximately 960 square feet for a glassblowing studio, in Building W-7A, on the Workhouse Campus located at 9502 Workhouse Way, Lorton, VA.22079.

Total Project Estimate \$2,100,000
Future Funding \$1,100,000
Project Phase Pre-Design

Construction Award

Project Complete

Remarks

In 8/2024, Hammel, Green and Abrahamson (HGA) provided an initial Basic Ordering Agreement - Task Order #8 proposal and a revised proposal, based on a meeting and comments, for Public Private Partnerships Branch (P3B) review. In 9/2024, a hazmat evaluation was completed for W7A; and the hazmat report results were shared with HGA. It was discussed that the selective demolition needed to be completed to inform HGA's design proposal scope revisions. Work is planned for October-November 2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30010
Project Number HS-000019-001
Project Name Eleanor Kennedy Shelter

Project Description

New replacement of the existing facility at 9155 Richmond Highway, Fort Belvoir, Virginia 22060. The new facility will be located at 2801 Beacon Hill Road, Alexandria.

Total Project Estimate \$12,000,000
Future Funding TBD
Project Phase Design
Construction Award Summer - 2026
Project Complete Fall - 2029

Remarks

A meeting with the District Supervisor's team, Office to Prevent and End Homelessness (OPEH), Housing and Community Development (HCD), Fire and Rescue (FRD) and the Building Design Branch (BDB) to discuss a revised project scope was held on 06/25/24. BDB authorized BKV Group (BKV) to proceed with revising the space program to incorporate the scope change on 07/09/2024. An Advisory Committee meeting to share the revised scope was held on 07/17/2024. The revised program was reviewed and approved and BDB authorized BKV into the concept design phase on 08/19/2024. The concept design submission is due in early 10/2024.

Legend

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Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30015
Project Number GF-000063-001
Project Name Electric Vehicle Charging Station Infrastructure Design

Project Description
Design the infrastructure to support EV charging station installation at various locations throughout the County.

Total Project Estimate TBD
Future Funding TBD
Project Phase Design

Construction Award

Project Complete

Remarks

1. Jermantown DVS Maintenance Facility: Coordination with Dominion for new transformer installation was completed on 08/13/24. Contractor mobilized and started construction work on 08/20/24. Additional survey work is required to accommodate design for ADA space . Contractor completed installation of all underground electrical conduits.
2. South County Government Center: Completed review of 95% design submission. Design consultant is coordinating the main power feed design and construction support with Dominion. Additional survey work is required to accommodate design work for ADA space .
3. Fairfax County Government Center: Completed review of 95% design submission. Additional survey work is required to accommodate design for ADA space.
4. West Springfield Government Center: Completed review of 65% design documents. Additional survey work is required to accommodate design for ADA space.
5. Public Safety Headquarters Building: Completed review of 95% design submission. 100% design submission is scheduled for 10/2024.
6. Sully Government Center: Completed review of 95% design submission and sent comments to A/E on 08/23/24. Additional survey work is required to accommodate design for ADA space.

Legend

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Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30070
Project Number FS-000015-001
Project Name Penn Daw Fire Station

Project Description

New construction of a 5-bay fire station to replace the existing Fire Station located at 6624 Hulvey Terrace, Alexandria. The station will be relocated to 2801 Beacon Hill Road, Alexandria.

Total Project Estimate \$15,400,000
Future Funding TBD
Project Phase Design
Construction Award Summer - 2026
Project Complete Fall - 2029

Remarks

A meeting with the District Supervisor's team, Office to Prevent and End Homelessness (OPEH), Housing and Community Development (HCD), Fire and Rescue (FRD) and the Building Design Branch (BDB) to discuss a revised project scope was held on 06/25/24. BDB authorized BKV Group (BKV) to proceed with revising the space program to incorporate the scope change on 07/09/2024. An Advisory Committee meeting to share the revised scope was held on 07/17/2024. The revised program was reviewed and approved and BDB authorized BKV into the concept design phase on 08/19/2024. The concept design submission is due in early 10/2024.

Legend

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DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30070
Project Number FS-000054-001
Project Name Gunston Fire Station

Project Description

Renovation/expansion or replacement of Gunston Fire Station with three apparatus bays. The project is located at 10417 Gunston Road, Lorton VA 22079.

Total Project Estimate \$13,000,000
Future Funding TBD
Project Phase Design
Construction Award Fall - 2024
Project Complete Winter - 2027

Remarks

The Construction of the new Gunston Fire Station drain field project was completed on 09/13/24. RRMM Architects (RRMM) continued coordination of the bid documents and the final documents were received on 09/20/24. The Building Design and Construction Division (BDCD) completed the bid authorization documents and the Bid Authorization meetings are ongoing. The Building and Site permits are under review and approval is anticipated early 10/2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 300-C30400
Project Number PR-000078-002
Project Name Mount Vernon RECenter

Project Description

The project includes renovation of the existing facility, upgrades to existing building systems, new ice rink, and expansion of the fitness area at 2017 Belle View Boulevard.

Total Project Estimate \$67,337,477
Future Funding \$26,632,477
Project Phase Construction
Construction Award 12/20/2022 (A)
Project Complete Winter - 2025

Remarks

Major mechanical equipment and switchgear have been installed and are process of being energized. Flat roof activities are vastly done except for expansion joints, perimeter termination, and inspections. Site concrete is in progress (curb and gutters). Permanent stormwater control and retention installation in progress under sector 2 parking area. Site and Façade Masonry is in progress in sectors 1 and 2. Glazing and Poly Carb panels are in progress in sector 1, 2, and 3. Continued MEP rough-in throughout the sectors. Insulation installation is in sectors 1 and 2. Drywall installation in sector 1. Pool main drains, zero entry pool, and surge tank activities are in progress in sector 3.

Legend

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DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 400-C40101

Project Number SD-000031-237

Project Name Paul Sp Br @ Sherwood Hall Ln

Project Description

Restoration of ~12,000 linear feet of channel and associated floodplain along Paul Spring Branch and the North Fork of Little Hunting Creek.

Total Project Estimate \$4,900,000

Future Funding \$3,555,000

Project Phase Pre-Design

Construction Award

Project Complete

Remarks

A task order with Wetland Studies and Solutions, Inc. was authorized on 7/10/24. Field work for survey and assessment began 9/15/24. Stream restoration pre-concept design is scheduled for delivery on 6/1/24.

Legend

(A) Actual

Winter - January, February, March

Spring - April, May, June

Summer - July, August, September

Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 400-C40101
Project Number SD-000031-256
Project Name Dogue Creek @ Old Mill Road

Project Description
Restoration of ~2800 LF of stream channel downstream of Rte 1 stream crossing to improve ecological condition and water quality.

Total Project Estimate \$2,736,000
Future Funding \$1,977,490
Project Phase Design

Construction Award

Project Complete

Remarks

Implementation of the stream restoration project is on-hold at the concept design phase until after completion of VDOT's upstream Route 1 bridge replacement project, due to current uncertainty around the potential for significant sediment transport issues after the bridge is replaced. The existing Route 1 bridge provides grade control and holds back a very large amount of sediment and mudflats along the floodplain. Staff coordination with VDOT is underway.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 400-C40101
Project Number SD-000031-270
Project Name South Branch Trib @ Fort Hunt Park (LH9204)

Project Description
Stream restoration along two main channels, totaling 1,706 linear feet, using natural channel design for improved water quality.

Total Project Estimate \$1,350,000
Future Funding \$642,082
Project Phase Pre-Design

Construction Award

Project Complete

Remarks

Survey and assessment field work and survey are underway. Assessment data review and pre-concept design development meeting is scheduled for 10/9/24.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 400-C40101
Project Number SD-000033-097
Project Name Crosspointe Section 12 Pond Improvement (0771DP)

Project Description

This project consisted of dredging and removal of sediment, riser modifications including wingwalls, apron, and trash rack, improvements to the existing access road, outfall channel restoration, lengthened flow path, micro-pools, and plantings.

Total Project Estimate \$1,137,922
Future Funding \$118,624
Project Phase Post-Construction
Construction Award 12/09/2021 (A)
Project Complete 12/20/2022 (A)

Remarks

The construction warranty ended 12/20/2023.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000001-020
Project Name Pumping Stations - Wellington I Pump Station Rehabilitation
Project Description

Rehabilitation of this 60-year-old pump station includes replacement of aging infrastructure and modernization of operations and maintenance capabilities.

Total Project Estimate \$5,748,524
Future Funding \$5,199,113
Project Phase Design
Construction Award Winter - 2024
Project Complete Fall - 2025

Remarks

Final design documents are being prepared.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000001-023
Project Name Jones Point Facilities Rehabilitation

Project Description
This project will replace the Jones Point Pump Station, Screening Facility, and Metering Station.

Total Project Estimate \$16,900,507
Future Funding \$14,631,792
Project Phase Design
Construction Award Fall - 2026
Project Complete Spring - 2028

Remarks
The 35% design is in progress and due in Fall 2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000001-029
Project Name Freund House Pump Station Screens Replacement
Project Description

The screening facilities at the Freund House Pump Station are in need of replacement.

Total Project Estimate \$1,892,536
Future Funding (\$1,117,493)
Project Phase Construction
Construction Award 03/28/2024 (A)
Project Complete Winter - 2025

Remarks

Construction is in progress and installation of the new mechanical bar screen should be complete by 11/2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000001-034
Project Name Pumping Stations - Covanta Force Main Replacement

Project Description

This project will replace approximately 2,600 LF section of aging Ductile Iron Pipe Force Main along Lorton Road. This is the newer section of the force main that was replaced as part of the 2010 Lorton Road widening project but showed deterioration since.

Total Project Estimate \$8,967,592
Future Funding \$7,281,233
Project Phase Construction
Construction Award 06/04/2024 (A)
Project Complete 01/20/2025 (A)

Remarks

For Phase 1, safety meetings were conducted by Reworld/Covanta for Fairfax, Engineer, and the Contractor. Construction is in progress with E&S installed, bypass pipes laid out, and bypass pumps delivered. There is a total of 5 RFIs, 1 RFP, and 1 PCO for Phase 1 of this project.
For Phase 2, Design is at 100%, has been reviewed, and sent back after comments from WDCD, WCD, and Fairfax County Park Authority were received. TO and Memo were sent for signature.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000005-004
Project Name Integrated Sewer Metering Project 4

Project Description

Project #4 includes the rehabilitation of 27 sanitary sewer flow metering vaults. These metering vaults are located throughout Fairfax County and neighboring jurisdictions.

Total Project Estimate \$5,876,918
Future Funding \$5,104,877
Project Phase Design
Construction Award Winter - 2026
Project Complete Summer - 2027

Remarks

The design is 95% complete. Easement plats are currently being prepared, with land acquisition is expected to begin in Fall 2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000007-007-A
Project Name Little Hunting Creek Force Main Rehabilitation

Project Description

Replacement of the 30 inch diameter, 4,556 LF Little Hunting Creek Force Main, which is primarily located within the Woodland Park neighborhood in Alexandria.

Total Project Estimate \$18,091,599
Future Funding \$16,465,128
Project Phase Construction
Construction Award Summer - 2024
Project Complete Winter - 2026

Remarks

The bid opening was held 7/2/24 and the construction contract is in the process of being awarded to Garney Construction, with construction to begin in Fall 2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000008-004
Project Name Mount Vernon Terrace Force Main Replacement
Project Description

Replacement of 1,246 linear feet of 6-inch diameter sanitary sewer force main.

Total Project Estimate \$2,651,462
Future Funding (\$114,912)
Project Phase Post-Construction
Construction Award Spring - 2022
Project Complete Spring - 2024

Remarks

Construction is complete, punch list is complete and is under warranty until 06/28/25.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000008-011
Project Name Force Main Rehabilitation - Wellington I Force Main Rehabilitation

Project Description
Open cut replacement of a 1,400 LF 4-inch diameter sanitary sewer force main.

Total Project Estimate \$1,381,459
Future Funding \$1,234,628
Project Phase Design
Construction Award Summer - 2024
Project Complete Summer - 2025

Remarks
The design is 100% complete. Obtaining permits from National Park Service, Army Corps of Engineers, and Land Development Services.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000008-012
Project Name Riverwood Force Main Rehabilitation
Project Description

Replacement of a 673 linear-foot 4-inch diameter sanitary sewer force main in the Riverwood neighborhood located in the Mount Vernon area.

Total Project Estimate \$2,023,891
Future Funding (\$137,656)
Project Phase Post-Construction
Construction Award 07/07/2023 (A)
Project Complete 12/12/2023 (A)

Remarks

This project was substantially completed on 12/12/23 and is under warranty until 12/12/24.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000009-012
Project Name Raw Wastewater Pumping System Rehabilitation/Replacement- B3

Project Description

Rehabilitation of the B3 facility consisting of demolition of existing 6-inch header and wall cleaning system on Equalization Basin Tanks No. 1-4, demolition of wastewater return (WWR) pumps and above grade WWR piping in Tanks No. 1-5, replacement of sump pumps and valves in the existing valve vaults, replacement of a 1-ton crane, installation of odor control system and aluminum cover in Tank No. 1.

Total Project Estimate \$17,650,000
Future Funding \$2,873,990
Project Phase Post-Construction
Construction Award 11/11/2022 (A)
Project Complete 06/28/2024 (A)

Remarks

Substantial completion for the project was issued on 6/28/2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000009-013
Project Name Noman Cole Treatment Plant Renewal - Modernization of Support and Administrative Facilities
Project Description
Upgrade/rehab non-process buildings & spaces at Noman M. Cole, Jr., Pollution Control Plant.

Total Project Estimate \$4,200,000
Future Funding \$2,377,191
Project Phase Design
Construction Award Summer - 2024
Project Complete Summer - 2026

Remarks

WDCD reviewed and negotiated HITT contracting INC . proposal for Construction Contract #1 project (trailers and new parking lot) during the August, WDCD preparing the Memo of recommendation process of the project Award .

Construction contract #2 shop renovations, buildings A, A2, L, & T, 100% package is under review by WDCD and the Plant, the Engineer working on addressing the comments.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000009-016
Project Name Noman Cole Treatment Plant Renewal - Primary and Secondary Sustaining Project 1

Project Description

Project will meet short-term rehabilitation needs of primary & secondary facilities at the Noman M. Cole, Jr., Pollution Control Plant. The scope includes 106 elements to improve the safety and operations for the next 15 years.

Total Project Estimate \$130,900,000
Future Funding \$130,473,420
Project Phase Construction
Construction Award 08/08/2022 (A)
Project Complete Winter - 2027

Remarks

Construction is underway for all 6 milestones. Replacing pumps and electrical equipment. Installing pipes and ductbanks. Overall construction is about 47% complete.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000009-018
Project Name Raw Wastewater Pumping System Rehabilitation/Replacement- B4

Project Description

This project is to rehabilitate B2 equalization pump station, to construct B4 new pump station with the associated force mains and to demo the existing B raw wastewater pump station.

Total Project Estimate \$242,532,019
Future Funding \$242,159,451
Project Phase Construction
Construction Award 10/01/2024 (A)
Project Complete Fall - 2030

Remarks

NTP issued, pre-construction associated work underway, Washington Gas relocation under construction.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000009-020
Project Name Noman Cole Treatment Plant Renewal - Admin and Laboratory Building Rehabilitation

Project Description

Assess and general evaluation of the installed systems within the contiguous structures of the Noman Cole Lab and Administration Building and develop a Facility Condition Assessment Report from this evaluation, the scope will include complete MEP system, Structural system and Architectural systems.

Total Project Estimate \$4,000,000
Future Funding \$3,771,750
Project Phase Pre-Design
Construction Award Spring - 2025
Project Complete Summer - 2026

Remarks

The Assessment survey completed in 07/2024, and Dewberry to submit the 90% draft report by the week of 09/16/24.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000009-021
Project Name Noman Cole Pollution Control Plant Master Plan 2023

Project Description

A Master Plan study to provide an integrated plan that will assist Noman Cole Pollution Control Plant to maintain the current levels of service for the next 20-30 years, and to anticipate the need for future levels of service.

Total Project Estimate \$2,445,000
Future Funding \$2,412,652
Project Phase Study

Construction Award

Project Complete

Remarks

Jacobs is finalizing revisions for TM1 on Flows/Existing Conditions. 3-day scenario planning workshops were held in August.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000028-007
Project Name Small Diameter Sewer Replacement #2 (Sewer Sag #2)

Project Description
Design for replacement of seven small-diameter defective sewer pipes.

Total Project Estimate \$7,869,647
Future Funding (\$32,034)
Project Phase Construction
Construction Award Spring - 2024
Project Complete Fall - 2025

Remarks

Notice to proceed was issued to the contractor for 09/01/24. Initial submittals and other paperwork is in progress. Mobilization is expected in Fall 2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000028-027
Project Name Gravity Sewers - Belleview Boulevard-Potomac Avenue

Project Description

Replacement of 470 LF of deteriorated 12-inch pipe from manhole 090-2-095 and 093-2-069 along Belleview Blvd. and from manhole 093-2-069 to 093-2-165 along Potomac Avenue.

Total Project Estimate \$2,923,903
Future Funding \$2,410,354
Project Phase Design
Construction Award Winter - 2026
Project Complete Fall - 2026

Remarks

Field work complete, design is ongoing.

Legend

(A) Actual
Winter - January, February, March
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Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000028-040
Project Name Gravity Sewers - Park Terrace Manhole
Project Description
Install new MH 093-4-198 where missing manhole is. Replace pipeline from MH 093-4-199 to MH-093-4-198A

Total Project Estimate \$1,457,100
Future Funding \$1,067,020
Project Phase Pre-Design
Construction Award 05/23/2024 (A)
Project Complete Fall - 2026

Remarks
Design work ongoing.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69300
Project Number WW-000028-061
Project Name Gravity Sewers - Belleview Boulevard-Potomac Avenue (Phase 2)
Project Description
Replacement of multiple 12-inch pipes along Belleview Blvd.

Total Project Estimate \$420
Future Funding \$420
Project Phase Pre-Design
Construction Award Summer - 2026
Project Complete Fall - 2026

Remarks

Task order negotiations are underway.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310
Project Number WW-000017-003-D
Project Name Noman Cole Treatment Plant Renovations - Solids Processing Rehabilitation – Phase III

Project Description
Rehabilitation of solids processes including storage, dewatering, incineration, and ash collection.

Total Project Estimate \$214,002,963
Future Funding \$213,119,675
Project Phase Construction
Construction Award 01/20/2020 (A)
Project Complete Spring - 2026

Remarks
Per approved pay application #55 for work completed through the end of 8/2024, construction is 82% complete.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310

Project Number WW-000017-003-F

Project Name Noman Cole Treatment Plant Renovation - Solids Processing Rehabilitation - Phase 4

Project Description

Replacement of the solids dewatering system at the Noman M. Cole, Jr., Pollution Control Plant. This project includes replacement of the dewatering centrifuges, dewatered sludge cake hopper, dewatered sludge cake pumps, and dewatered sludge piping.

Total Project Estimate \$50,000,000

Future Funding \$49,959,723

Project Phase Pre-Design

Construction Award

Project Complete

Remarks

Design Completion Task Order is under review by WDCD. WDCD already authorized Jacobs to start working on 95% design while approving Task Order.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310
Project Number WW-000017-012
Project Name Noman Cole Treatment Plant Renovations - Accotink Odor Control Facility

Project Description

Design of Accotink Odor Control Facility located at the Noman M. Cole, Jr., Pollution Control Plant will characterize nuisance odors & construct an odor control facility for reduction of off-site plant odors.

Total Project Estimate \$12,668,000
Future Funding \$11,348,853
Project Phase Construction
Construction Award Summer - 2023
Project Complete Spring - 2025

Remarks

Project has three milestones. Construction is underway and 100 % completed of milestone one and 50% completed for overall project.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310
Project Number WW-000017-015
Project Name Noman Cole Treatment Plant Renovations - Rehabilitation of the ASE Pump Station

Project Description

Rehabilitation of the Activated Sludge Effluent (ASE) Pump Station which conveys secondary effluent to the Moving Bed Biological Reactor Facility process.

The work at the Activated Sludge Effluent Pump Station (ASE PS; Building BB) includes replacement of six vertical turbine pumps, replacement of seven cast-iron sluice gates and seven actuators and replacement of 14 valves and six actuators.

Total Project Estimate \$23,700,000
Future Funding \$22,237,730
Project Phase Construction
Construction Award 08/23/2022 (A)
Project Complete Summer - 2026

Remarks

The Project construction is underway, and it is about 48% complete.
The project is currently on budget.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310
Project Number WW-000017-018
Project Name Noman Cole Treatment Plant Renovations- APW/ County Water System Optimization

Project Description

Develop hydraulic model for Advanced Plant Water (APW) system and county water (CW) system at the Noman Cole Pollution Control Plant site. Include field verification and field testing to calibrate the model. After the model is calibrated, it can then be used to optimize the water systems based on pressure and demands.

Total Project Estimate \$846,013
Future Funding (\$8,357)
Project Phase Pre-Design
Construction Award
Project Complete Spring - 2025

Remarks

Extended water quality sampling and testing are started in late September. Finishing hydraulic modeling analysis with review workshop scheduled on 9/27/24.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310
Project Number WW-000017-021
Project Name MSP - FF Filter Gates Improvements Project

Project Description
Improvements to FF Filter gates to reduce backwash water return.

Total Project Estimate \$12,300,000
Future Funding \$12,243,826
Project Phase Design
Construction Award Spring - 2025
Project Complete Winter - 2027

Remarks

Hazen is working on preparing the bid documents and the schedule date of submitting these documents is 9/27/24.

Hazen is working on the 95% design.
Building permit has been approved by the Fairfax County LDS.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310
Project Number WW-000017-022
Project Name MSP - FF Capacity Improvements

Project Description

The Preliminary Engineering Report (PER) identified and subsequent pilot studies further confirmed the deep-bed monomedia filters to be capable of increasing the runtime, reducing backwash wastewater generation, and increasing the treatment capacity of FF filters while achieving turbidity and reuse application requirements. Additionally filters 9 and 10 would be retrofitted to be put into service and increase the overall capacity of the FF Filter Facility.

Total Project Estimate \$96,150,000
Future Funding \$91,916,468
Project Phase Design

Construction Award

Project Complete

Remarks

70% submittal package was received on September 13th and is currently under county review. The 70% submittal review meeting is scheduled for early October.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310
Project Number WW-000017-023
Project Name MSP- MBBR Capacity Improvements

Project Description

The Preliminary Engineering Report identified tasks to equip and operate the sixth MBBR train in partial nitrification/denitrification/anammox mode (PANDA/PdNA), and to replace a single blower to reduce the Dissolved Oxygen levels of the MBBR effluent and subsequently reduce the energy costs . Implementation of PANDA mode in the sixth MBBR train will allow full-scale pilot testing of PANDA to inform future conversation/design of other MBBR trains.

Total Project Estimate \$17,452,000
Future Funding \$16,496,518
Project Phase Design

Construction Award

Project Complete

Remarks

MBBR Process Controls/I&C and Performance Requirements/MOPO meeting will be held in 09/2024 to discuss and provide direction to the A/E team as they work on the 95% design.
The A/E has started the permitting process.
The project will be verified with Envision per the current Wastewater Management sustainability policy .
The design phase is currently 50% complete.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 690-C69310
Project Number WW-000017-027
Project Name Fiber Optics Master Plan

Project Description
To do field survey and build a master plan to fiber optics all around the plant for the next 10 years.

Total Project Estimate \$534,512
Future Funding \$531,929
Project Phase Study

Construction Award

Project Complete

Remarks
Task Order approved end of 06/2024. Field work started in 08/2024.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December

DPWES CAPITAL PROJECT SUMMARY REPORT
September 2024

Mount Vernon

Fund 810-C81403
Project Number HF-000178-002
Project Name OMVHS LLC Project

Project Description

Renovation of the approximately 140,000 square foot historic high school building and associated sitework, infrastructure, and facilities on campus for adaptive reuse for educational and community use programs.

Total Project Estimate \$103,650,000
Future Funding TBD
Project Phase Construction
Construction Award 06/14/2024 (A)
Project Complete Summer - 2026

Remarks

The project Notice to Proceed was issued and established as 07/10/24. Project kickoff meeting was held with the Architect/Engineering Team (VMDO) and the Construction Manager at Risk (CMAR - Smoot) Teams on 07/18/24. Pre-construction meeting with County Land Development Services (LDS) and the CMAR Team was conducted on 07/25/24. The CMAR has erected construction site fencing and has completed the installation of the majority of the project's required erosion and sediment (E&S) measures. With the exception of shared and off-site trees, all required tree removal operations have been completed and all Tree Preservation fencing has been erected. The CMAR has begun installation of the stormwater pipes and structures. The demolition of the select wings / sections of the existing building began on 09/12/24.

Legend

(A) Actual
Winter - January, February, March
Spring - April, May, June

Summer - July, August, September
Fall - October, November, December