

STORMWATER MANAGEMENT: STREAMS AND WATER QUALITY

10 YEAR CATEGORY SUMMARY (in \$1,000s)

| | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | 10 Year Total |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| 1. Ballston Pond Watershed Retrofit | 3,190 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,190 |
| 2. Concord Mews Pond Retrofit | 280 | 225 | 1,635 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,140 |
| 3. Green Infrastructure Plan | 175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 |
| 4. Green Streets & Infrastructure Program | 75 | 325 | 365 | 620 | 705 | 970 | 1,000 | 1,000 | 1,025 | 1,025 | 7,110 |
| 5. Gulf Branch Green Streets | 545 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 845 |
| 6. Gulf Branch Stream Resiliency | 300 | 1,360 | 1,390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,050 |
| 7. Quebec Street Outfall Rehabilitation | 310 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 560 |
| 8. MS4 Permit Strategic Compliance Plan | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 |
| 9. N. Utah St. Outfall/ Donaldson Run Trib A | 280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 280 |
| 10. Outfall Rehabilitation Program | 255 | 880 | 755 | 1,275 | 1,360 | 1,390 | 1,430 | 1,460 | 1,500 | 1,500 | 11,805 |
| 11. Resilient Streams Plan | 125 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 |
| 12. Sparrow Pond Watershed Retrofit | 1,305 | 1,275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,580 |
| 13. Stream Resiliency Program | 0 | 205 | 210 | 2,945 | 235 | 3,130 | 490 | 3,460 | 3,300 | 3,300 | 17,275 |
| 14. Washington Boulevard Pond Retrofit | 25 | 165 | 0 | 775 | 0 | 0 | 0 | 0 | 0 | 0 | 965 |
| 15. Water Quality Project Feasibility & Concept Design | 150 | 150 | 155 | 155 | 160 | 160 | 165 | 165 | 170 | 170 | 1,600 |
| Total Recommendation | 7,315 | 5,260 | 4,510 | 5,770 | 2,460 | 5,650 | 3,085 | 6,085 | 5,995 | 5,995 | 52,125 |

CATEGORY FUNDING SOURCES (in \$1,000s)

| | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | 10 Year Total |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|
| New Funding | | | | | | | | | | | |
| Federal Funding | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| State Funding | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Developer Contributions | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Bond Issue | 0 | 4,380 | 4,470 | 5,770 | 2,460 | 5,650 | 3,085 | 6,085 | 5,995 | 5,995 | 43,890 |
| PAYG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Short Term Finance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stormwater Utility Fee Revenue | 0 | 730 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 770 |
| Other Funding | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal New Funding | 0 | 5,110 | 4,510 | 5,770 | 2,460 | 5,650 | 3,085 | 6,085 | 5,995 | 5,995 | 44,660 |
| Previously Approved Funding | | | | | | | | | | | |
| Authorized but Unissued Bonds | 1,765 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,915 |
| Issued but Unspent Bonds | 3,190 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,190 |
| Other Previously Approved Funds | 2,360 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,360 |
| Subtotal Previously Approved Funding | 7,315 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,465 |
| Total Funding Sources | 7,315 | 5,260 | 4,510 | 5,770 | 2,460 | 5,650 | 3,085 | 6,085 | 5,995 | 5,995 | 52,125 |



1. BALLSTON POND WATERSHED RETROFIT

Project Highlights:

- Re-designs Ballston Pond as a constructed wetland. Currently, the pond is not treating or storing the intended stormwater.
- With a drainage area of 450 acres, this project is the most feasible opportunity for a regional stormwater facility in the County and will provide significant Chesapeake Bay Total Maximum Daily Load (TMDL) credits.
- Partnership with DPR will enable trail improvements, habitat enhancement and construction of an overlook for expanded public access supporting Biophilic Cities objectives.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Ballston-Virginia Square
Bluemont
Waycroft-Woodlawn

| Funding Notes: | | | | | | | | | | | |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| | | | | | | | | | | | |
| Previous Funding | | | | | | | | | | | |
| Issued but Unspent Bonds | 3,190 | | | | | | | | | | 3,190 |
| | | | | | | | | | | | |
| Total Funding | 3,190 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,190 |
| | | | | | | | | | | | |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Operations Costs (+/-) | | 5 | 5 | 5 | 5 | 5 | | | | | 25 |
| Non-Personnel (\$) | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 90 |
| | | | | | | | | | | | |
| Total Impact | 0 | 15 | 15 | 15 | 15 | 15 | 10 | 10 | 10 | 10 | 115 |

Critical Milestones:

- Construction FY 2022 - FY 2023

Project Links:

- Project web site:
<https://www.arlingtonva.us/Government/Projects/Project-Types/Environment-Projects/Ballston-Pond-Restoration>



2. CONCORD MEWS POND RETROFIT

Project Highlights:

- Project to restore the function of an existing dry detention pond.
- Built 50 years ago, the pond currently does not adequately convey, store or treat stormwater.
- The project supports the County's regulatory requirements under its Municipal Separate Storm Sewer System (MS4) permit.
- Nuisance and safety concerns exist due to the current condition of the pond (responds to the Stormwater Program's equity principles and goals).
- Supports Biophilic Cities goals with its location adjacent to heavily used W&OD trail.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Douglas Park
Green Valley

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| New Bond Issue | | 225 | 1,635 | | | | | | | | 1,860 |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 280 | | | | | | | | | | 280 |
| Total Funding | 280 | 225 | 1,635 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,140 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Non-Personnel (\$) | | | | 15 | 15 | 15 | 15 | 15 | 10 | 10 | 95 |
| Total Impact | 0 | 0 | 0 | 15 | 15 | 15 | 15 | 15 | 10 | 10 | 95 |

Critical Milestones:

- Planning FY 2022
- Design FY 2023
- Construction FY 2024 - 2025

Changes from Prior CIP:

New project for this CIP.



3. GREEN INFRASTRUCTURE PLAN

Project Highlights:

- Plan to prioritize "green infrastructure" projects that improve the resiliency and environmental performance of streams, ponds, and wetlands, along with 'green streets' projects that provide storage and treatment for polluted runoff in public rights-of-way.
- This plan builds upon the watershed retrofit assessment component of the Stormwater Master Plan (2014) to prioritize projects to address flood and climate change resiliency, mitigate increasing impervious surfaces and temperatures, and promote equity.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| | | | | | | | | | | | |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 175 | | | | | | | | | | 175 |
| | | | | | | | | | | | |
| Total Funding | 175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 |
| | | | | | | | | | | | |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| | | | | | | | | | | | |
| Total Impact | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Critical Milestones:

- Procurement FY 2022
- Final plan FY 2023

Project Links:

- MS4 Stormwater Permit:
<https://www.arlingtonva.us/Government/Programs/Sustainability-and-Environment/Stormwater/Stormwater-Watersheds/MS4-Permit>



4. GREEN STREETS & INFRASTRUCTURE PROGRAM

Project Highlights:

- Green infrastructure projects include re-construction and enhancement of existing stormwater ponds to improve water quality performance and "green streets" streetscape bioretention systems to store and filter stormwater runoff from nearby streets and homes. These projects help offset the continued increase in impervious cover in our community.
- The projects help the County address the nutrient and sediment reduction requirements of its MS4/Chesapeake Bay TMDL regulatory mandate.
- The projects contribute to the County's overall resiliency to climate change by reducing heat island impacts and providing storage for stormwater an also support Biophilic Cities goals.
- The proposed Green Infrastructure plan prioritizes projects to meet the challenges of a changing climate and its impacts in the community.

Associated Plan(s):

Storm Water Master Plan
Watershed Management Plan

Neighborhood(s):

VARIOUS

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| New Bond Issue | | 325 | 365 | 620 | 705 | 970 | 1,000 | 1,000 | 1,025 | 1,025 | 7,035 |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 75 | | | | | | | | | | 75 |
| Total Funding | 75 | 325 | 365 | 620 | 705 | 970 | 1,000 | 1,000 | 1,025 | 1,025 | 7,110 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Non-Personnel (\$) | | | 5 | 10 | 20 | 30 | 45 | 45 | 45 | 45 | 245 |
| Total Impact | 0 | 0 | 5 | 10 | 20 | 30 | 45 | 45 | 45 | 45 | 245 |

Changes from Prior CIP:

This CIP provides for an increased number of projects to be completed during the ten-year period.



5. GULF BRANCH GREEN STREETS

Project Highlights:

- Three streetscape green infrastructure projects for the Gulf Branch watershed downstream of Military Road. These projects provide storage and treatment for polluted runoff.
- Contribute to the watershed approach for Gulf Branch.
- Provide Municipal Separate Storm Sewer System (MS4) and Chesapeake Bay Total Maximum Daily Load (TMDL) credit for the 2nd permit cycle.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Bellevue Forest

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| New Bond Issue | | 150 | | | | | | | | | 150 |
| Previous Funding | | | | | | | | | | | |
| Authorized but Unissued Bonds | | 150 | | | | | | | | | 150 |
| Other Previously Approved Funds | 545 | | | | | | | | | | 545 |
| Total Funding | 545 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 845 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Non-Personnel (\$) | | | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 120 |
| Total Impact | 0 | 0 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 120 |

Critical Milestones:

- Design FY 2022
- Construction FY 2023 - FY 2024

Changes from Prior CIP:

In the prior CIP, this project was included as part of the Green Infrastructure Program and not a specifically named project.



6. GULF BRANCH STREAM RESILIENCY

Project Highlights:

- Project improves the 2500 linear feet of stream to provide for the long-term resiliency of Gulf Branch stream above Military Road.
- Project addresses severe erosion, outfall repair, and sanitary sewer crossing protection.
- Project also protects Gulf Branch Nature Center.
- Priority project for Chesapeake Bay Total Maximum Daily Load (TMDL) credits.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Bellevue Forest
Gulf Branch
Old Glebe

Funding Notes:

| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
|-------------------------------|------------|--------------|--------------|----------|----------|----------|----------|----------|----------|----------|--------------|
| New Bond Issue | | 1,360 | 1,390 | | | | | | | | 2,750 |
| Previous Funding | | | | | | | | | | | |
| Authorized but Unissued Bonds | 300 | | | | | | | | | | 300 |
| Total Funding | 300 | 1,360 | 1,390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,050 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Non-Personnel (\$) | | | | 5 | 5 | 5 | 5 | 5 | | | 25 |
| Total Impact | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 25 |

Critical Milestones:

- Final design FY 2023
- Construction FY 2024 - FY 2025

Project Links:

- Project web site:
<https://www.arlingtonva.us/Government/Projects/Project-Types/Environment-Projects/Gulf-Branch-Stream-Project>

Changes from Prior CIP:

Scope of the project has decreased from the prior CIP.



7. QUEBEC STREET OUTFALL REHABILITATION

Project Highlights:

- Rehabilitation of the outfall and slope erosion adjacent to the Dover Run Pumping Station.
- Acute damage resulted from the July 2019 storm.
- May supply Chesapeake Bay Total Maximum Daily Load (TMDL) credits.

Associated Plan(s):

Storm Water Master Plan

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Stormwater Utility Fee Revenue | | 250 | | | | | | | | | 250 |
| Previous Funding | | | | | | | | | | | |
| Authorized but Unissued Bonds | 160 | | | | | | | | | | 160 |
| Other Previously Approved Funds | 150 | | | | | | | | | | 150 |
| Total Funding | 310 | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 560 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Total Impact | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Critical Milestones:

- Design FY 2022
- Procurement FY 2023
- Construction FY 2023 - FY 2024

Changes from Prior CIP:

In the prior CIP, this project was included as part of the Outfall Rehabilitation Program and not an individually named project.



8. MS4 PERMIT STRATEGIC COMPLIANCE PLAN

Project Highlights:

- Strategic plan for the Municipal Separate Storm Sewer System (MS4) permit to provide a roadmap for achieving compliance in the third permit cycle (FY 2027 - FY 2031).
- Synergize with multiple master planning efforts in the program.
- Maximize cost-effectiveness and co-benefits to the Arlington community and environment.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| | | | | | | | | | | | |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 300 | | | | | | | | | | 300 |
| | | | | | | | | | | | |
| Total Funding | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 |
| | | | | | | | | | | | |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| | | | | | | | | | | | |
| Total Impact | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Critical Milestones:

- Procurement FY 2022
- Final Plan FY 2023

Project Links:

- MS4 Stormwater Permit:
<https://www.arlingtonva.us/Government/Programs/Sustainability-and-Environment/Stormwater/Stormwater-Watersheds/MS4-Permit>

Changes from Prior CIP:

Timing of expenditures has pushed out one year from the prior CIP.



9. N. UTAH ST. OUTFALL/ DONALDSON RUN TRIBUT A

Project Highlights:

- Rehabilitation of the North Utah Street outfall for Donaldson Run Tributary A, necessitated by overland flow during the July 2019 storm.
- Project includes concurrent in-stream repairs.
- Protects the County's prior investment in the Donaldson Run Tributary A restoration (project completion 2006).

Associated Plan(s):

Storm Water Master Plan

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| | | | | | | | | | | | |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 280 | | | | | | | | | | 280 |
| | | | | | | | | | | | |
| Total Funding | 280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 280 |
| | | | | | | | | | | | |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| | | | | | | | | | | | |
| Total Impact | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Critical Milestones:

- Procurement FY 2022
- Construction FY 2023

Changes from Prior CIP:

Timing of expenditures has pushed out one year from the prior CIP.



10. OUTFALL REHABILITATION PROGRAM

Project Highlights:

- Outfall Rehabilitation Program funds priority capital maintenance of outfalls, as identified in the Stormwater Master Plan.
- Outfall rehabilitations and repairs are necessary to protect other public and private infrastructure and increase the resiliency of the integrated stream and stormwater network.
- Failed or failing outfalls is a source of erosion and sediment which degrades water quality. Stabilization of the outfalls reduces erosion and sedimentation and protects private and public property, as well as mature trees.
- This program contributes to meeting Chesapeake Bay Total Maximum Daily Load (TMDL) requirements.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| New Bond Issue | | 880 | 755 | 1,275 | 1,360 | 1,390 | 1,430 | 1,460 | 1,500 | 1,500 | 11,550 |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 255 | | | | | | | | | | 255 |
| Total Funding | 255 | 880 | 755 | 1,275 | 1,360 | 1,390 | 1,430 | 1,460 | 1,500 | 1,500 | 11,805 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Non-Personnel (\$) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |
| Total Impact | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 50 |

Changes from Prior CIP:

This CIP provides for an increased number of outfalls to be rehabilitated during the ten-year period.

Project Links:

- MS4 Permit: <https://www.arlingtonva.us/Government/Programs/Sustainability-and-Environment/Stormwater/Stormwater-Watersheds/MS4-Permit>



11. RESILIENT STREAMS PLAN

Project Highlights:

- Stream and outfall assessment and prioritization effort focused on stream resiliency and infrastructure protection.
- Includes best practices evaluation

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

| Funding Notes: | | | | | | | | | | | |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Stormwater Utility Fee Revenue | | 125 | | | | | | | | | 125 |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 125 | | | | | | | | | | 125 |
| Total Funding | 125 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Total Impact | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Critical Milestones:

- Procurement FY 2023
- Final plan FY 2024

Changes from Prior CIP:

The scope of this plan has increased and will now extend into FY 2024.

Project Links:

- MS4 Stormwater Permit:
<https://www.arlingtonva.us/Government/Programs/Sustainability-and-Environment/Stormwater/Stormwater-Watersheds/MS4-Permit>



12. SPARROW POND WATERSHED RETROFIT

Project Highlights:

- Sparrow Pond is an existing wet pond requiring re-construction due to eroded sediment filling the pond. Re-vegetation will help to restore the pond's function.
- Project provides significant Chesapeake Bay Total Maximum Daily Load (TMDL) credits.
- Ultimately, project will be easier and less costly to maintain.
- The project also provides enhanced wetland habitat, which is relatively rare in Arlington.
- Project supports Biophilic Cities goals with its location along the heavily used W&OD trail and will also include new interpretive signage.
- Addresses concerns about public safety and flood storage by bringing the pond and its outflow to current design standards.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Arlington Forest
Barcroft

Funding Notes:

| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
|-------------------------------|--------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| New Bond Issue | | 1,275 | | | | | | | | | 1,275 |
| Previous Funding | | | | | | | | | | | |
| Authorized but Unissued Bonds | 1,305 | | | | | | | | | | 1,305 |
| Total Funding | 1,305 | 1,275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,580 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Non-Personnel (\$) | | | 15 | 15 | 15 | 15 | 15 | 10 | 10 | 10 | 105 |
| Total Impact | 0 | 0 | 15 | 15 | 15 | 15 | 15 | 10 | 10 | 10 | 105 |

Critical Milestones:

- Final design FY 2022
- Procurement FY 2023
- Construction FY 2023 - FY 2024

Project Links:

- Project web site:
<https://www.arlingtonva.us/Government/Projects/Project-Types/Environment-Projects/Sparrow-Pond-Restoration>

Changes from Prior CIP:

Timing of expenditures has moved up one year from the prior CIP. Construction will now start in FY 2023 and conclude in FY 2024.



13. STREAM RESILIENCY PROGRAM

Project Highlights:

- Stream resiliency projects repair eroding and acutely degraded stream channels.
- At the same time, they protect critical infrastructure such as sanitary sewer mains.
- Funding in this category is urgently needed to respond to increased storm intensity and frequency.
- Most cost-effective source of Chesapeake Bay Total Maximum Daily Load (TMDL) credits.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

| Funding Notes: | | | | | | | | | | | |
|---------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| New Bond Issue | | | 210 | 2,945 | 235 | 3,130 | 490 | 3,460 | 3,300 | 3,300 | 17,070 |
| Stormwater Utility Fee Revenue | | 205 | | | | | | | | | 205 |
| Previous Funding | | | | | | | | | | | |
| Total Funding | 0 | 205 | 210 | 2,945 | 235 | 3,130 | 490 | 3,460 | 3,300 | 3,300 | 17,275 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Non-Personnel (\$) | | | | | 5 | 5 | 10 | 10 | 15 | 20 | 65 |
| Total Impact | 0 | 0 | 0 | 0 | 5 | 5 | 10 | 10 | 15 | 20 | 65 |

Changes from Prior CIP:

This CIP provides for an increased number of streams to be rehabilitated during the ten-year period.



14. WASHINGTON BOULEVARD POND RETROFIT

Project Highlights:

- This project improves Washington Boulevard Pond, an existing dry detention pond, to enhance performance.
- The project increases stormwater quality treatment, and add co-benefits including habitat, sense of place and aesthetics, supporting Biophilic Cities goals.
- The project supports the County's regulatory requirements under its Municipal Separate Storm Sewer System (MS4) permit.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Penrose

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| New Bond Issue | | 165 | | 775 | | | | | | | 940 |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 25 | | | | | | | | | | 25 |
| Total Funding | 25 | 165 | 0 | 775 | 0 | 0 | 0 | 0 | 0 | 0 | 965 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Non-Personnel (\$) | | | | | 7 | 7 | 7 | 7 | 7 | 7 | 42 |
| Total Impact | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 42 |

Critical Milestones:

- Assessment and Planning FY 2023
- Design FY 2024
- Construction FY 2025

Changes from Prior CIP:

New project for this CIP.



15. WATER QUALITY PROJECT FEASIBILITY & CONCEPT DESIGN

Project Highlights:

- Feasibility and concept design work for new projects
- Improves execution efficiency

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

| Funding Notes: | | | | | | | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| New Funding | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| New Bond Issue | | | 115 | 155 | 160 | 160 | 165 | 165 | 170 | 170 | 1,260 |
| Stormwater Utility Fee Revenue | | 150 | 40 | | | | | | | | 190 |
| Previous Funding | | | | | | | | | | | |
| Other Previously Approved Funds | 150 | | | | | | | | | | 150 |
| Total Funding | 150 | 150 | 155 | 155 | 160 | 160 | 165 | 165 | 170 | 170 | 1,600 |
| Operating Impact | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Total |
| Total Impact | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |