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## Capital Budget and Program

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<th>FY2026</th>
<th>FY2027</th>
<th>FY2028</th>
<th>FY2029</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$369,052,309</td>
<td>$158,287,000</td>
<td>$86,530,000</td>
<td>$60,411,000</td>
<td>$61,447,000</td>
<td>$44,852,000</td>
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<tr>
<td><strong>Capital Budget and Program</strong></td>
<td>Anne Arundel County, Maryland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Bonds</strong></td>
<td></td>
<td>$323,736,271</td>
<td>$156,275,000</td>
<td>$84,880,000</td>
<td>$59,061,000</td>
<td>$60,097,000</td>
<td>$43,802,000</td>
</tr>
<tr>
<td><strong>PayGo</strong></td>
<td></td>
<td>$24,020,038</td>
<td>$2,182,000</td>
<td>$1,650,000</td>
<td>$1,350,000</td>
<td>$1,350,000</td>
<td>$1,350,000</td>
</tr>
<tr>
<td><strong>Grants &amp; Aid</strong></td>
<td></td>
<td>$1,097,000</td>
<td>$2,765,000</td>
<td>$252,000</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
<td>$430,000</td>
<td>$13,504,000</td>
<td>$4,205,000</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td><strong>Water Bonds</strong></td>
<td></td>
<td>$323,736,271</td>
<td>$156,275,000</td>
<td>$84,880,000</td>
<td>$59,061,000</td>
<td>$60,097,000</td>
<td>$43,802,000</td>
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<tr>
<td><strong>PayGo</strong></td>
<td></td>
<td>$24,020,038</td>
<td>$2,182,000</td>
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<tr>
<td><strong>Grants &amp; Aid</strong></td>
<td></td>
<td>$1,097,000</td>
<td>$2,765,000</td>
<td>$252,000</td>
<td>$0</td>
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<td>$0</td>
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<tr>
<td><strong>Other</strong></td>
<td></td>
<td>$430,000</td>
<td>$13,504,000</td>
<td>$4,205,000</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td><strong>Water</strong></td>
<td></td>
<td>$369,052,309</td>
<td>$158,287,000</td>
<td>$86,530,000</td>
<td>$60,411,000</td>
<td>$61,447,000</td>
<td>$44,852,000</td>
</tr>
</tbody>
</table>
Funds were approved and are programmed for existing raw water well redevelopment and for existing well pump replacement. The existing raw water wells have to be redeveloped to maintain pumping rates, screens need to be cleaned, and if necessary, pumps and columns completely replaced. Redevelopment to continue such that each well is redeveloped approximately once every 10 years. Included in this project is the replacement and/or remediation of existing aging and failing wells as required.

**Benefit**

This is an on-going project to investigate and redevelop as needed all existing raw water wells (approximately 56 wells) to ensure that all wells will continue to operate at optimum rates.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: Added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

**Financial Information**

<table>
<thead>
<tr>
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<th>$4,380,000</th>
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</thead>
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<tr>
<td>Year First Apprvd.</td>
<td>1987</td>
</tr>
<tr>
<td>Est. Operating Budget Impact</td>
<td>None</td>
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**Amendment History**

Prior approval has been adjusted to show the closing of jobs on this project. County Council removed $2.5m via AMD #149, $3,140,000 via AMD #195, and added $640k/year for Fys 17-21 via AMD #199 to Bill 29-15. CC removed $400,000 via AMD #51 to Bill 31-16.

**Location**

Countywide

**Phase**

<table>
<thead>
<tr>
<th>Phase</th>
<th>Total</th>
<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
<th>FY2029*</th>
<th>6 Yr Total*</th>
<th>6 Yr Plus*</th>
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<tbody>
<tr>
<td>Plans and Engineering</td>
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<tr>
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<td>$6,027,259</td>
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<td>$2,650</td>
<td>$2,650</td>
<td>$2,650</td>
<td>$2,650</td>
<td>$15,900</td>
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**Funding**

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<tr>
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<th>FY2025*</th>
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<th>FY2028*</th>
<th>FY2029*</th>
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</thead>
<tbody>
<tr>
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<td>$2,450</td>
<td>$2,450</td>
<td>$2,450</td>
<td>$2,450</td>
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<td>$200</td>
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<td>$0</td>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Approved</td>
<td>$21,927,259</td>
<td>$6,027,259</td>
<td>$2,650,000</td>
<td>$2,650</td>
<td>$2,650</td>
<td>$2,650</td>
<td>$2,650</td>
<td>$2,650</td>
<td>$15,900</td>
<td>$0</td>
</tr>
</tbody>
</table>

More (Less) Than FY23 Approved

|                | $0 | $0 | $0 | $0 | $0 | $2,650 | $2,650 |

* = 000's
Funds are approved, requested and programmed to demolish various water facilities which are no longer in service as required by Utility Operations. The facilities include but are not limited to, Marley BPS, Crofton Meadows I WTP building and treatment basins, Ft. Meade BPS, and Glendale SCW. Project description amended in FY16 to include Amberly Water Treatment Plant.

Demolition of these facilities will allow the county to dispose of excess land.

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Increased based on higher bid price and latest cost estimates.
3. Change in Scope: None
4. Change in Timing: None

Benefit

Change in Availability

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Increased based on higher bid price and latest cost estimates.
3. Change in Scope: None
4. Change in Timing: None

Initial Total Cost Est: $100,000
Year First Apprvd: 1995
Est. Operating Budget Impact: Potential savings/cost avoidance

Amendment History
Prior approval has been adjusted to show the closing of jobs on this project.

Financial Information

<table>
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<tr>
<th>As of</th>
<th>Expended</th>
<th>Encumbered</th>
<th>Total</th>
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<td>$190,823</td>
<td>$813,577</td>
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<tr>
<td>04/01/23</td>
<td>$710,504</td>
<td>$1,404,481</td>
<td>$2,114,985</td>
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</tbody>
</table>

Location
Countywide
**Description**

Funds are programmed to increase the capacity of the Crofton Meadows II WTP from 5 to 15 mgd by adding additional sedimentation basins, filters, raw water wells, and other appurtenances necessary for the increased capacity. The construction of this project is funded over two years.

**Benefit**

To meet future demand in Ft. Meade East Water Service Area.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design, ROW
3. Action Required To Complete This Project: ROW, Construction, Performance

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on current estimates
3. Change in Scope: None
4. Change in Timing: None

**Financial Information**

- **Initial Total Cost Est.:** $6,670,200
- **Year First Apprvd:** 1996
- **Est. Operating Budget Impact:** Less than $100,000 per year

**Amendment History**

CC pushed $10,815k from FY19 to FY22 via AMD #40 and 41 to Bill 37-18.
### Capital Budget and Program: Water Strategic Plan

**Project Class:** Water  
**Dept:** DPW-Utilities

**Description**
This is to fund the update of the Comprehensive Strategic Water Plan, the Master Plan and to Fund the County's Interest in Well Head Protection. Funding through this project will also be used for the development of water strategic plans for the orderly programming and construction planning of water facilities.

**Benefit**
Orderly programming for construction of water facilities and compliance with Federal and State requirements.

#### Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

#### Project Status Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on costs for current estimate, increased request based on need and added FY29 Funding
3. Change in Scope: None
4. Change in Timing: None

#### Financial Information
- **Initial Total Cost Est:** $260,000
- **Year First Apprvd:** 1996
- **Est. Operating Budget Impact:** None

#### Amendment History
- County Council removed $50k via AMD #87 to Bill 29-15. CC removed $50k via AMD #35 to Bill 37-16.

#### Location
- Countywide

### Financial Information Table

<table>
<thead>
<tr>
<th>Phase</th>
<th>Total</th>
<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
<th>FY2029*</th>
<th>6 Yr Total*</th>
<th>6 Yr Plus*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plans and Engineering</td>
<td>$3,173,273</td>
<td>$1,822,273</td>
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<td>$95</td>
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<td>$95</td>
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<tr>
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<td>$15,000</td>
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<td>$5</td>
<td>$5</td>
<td>$5</td>
<td>$70</td>
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<tr>
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<td>$400</td>
<td>$400</td>
<td>$100</td>
<td>$100</td>
<td>$100</td>
<td>$1,421</td>
<td>$0</td>
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<td>Funding</td>
<td>Total</td>
<td>Prior</td>
<td>FY2024</td>
<td>FY2025*</td>
<td>FY2026*</td>
<td>FY2027*</td>
<td>FY2028*</td>
<td>FY2029*</td>
<td>6 Yr Total*</td>
<td>6 Yr Plus*</td>
</tr>
<tr>
<td>Water PayGo</td>
<td>$3,141,007</td>
<td>$1,821,007</td>
<td>$220,000</td>
<td>$400</td>
<td>$400</td>
<td>$100</td>
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<td>$100</td>
<td>$1,320</td>
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<td>$0</td>
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<td>$3,342,007</td>
<td>$1,921,007</td>
<td>$321,000</td>
<td>$400</td>
<td>$400</td>
<td>$100</td>
<td>$100</td>
<td>$100</td>
<td>$1,421</td>
<td>$0</td>
</tr>
</tbody>
</table>

* More (Less) Than FY23 Approved  
  $271,000 | $350 | $350 | $50 | $50 | $100 | $1,171
### Description

This project is to remove lead paint and repaint fire hydrants. This project is a multi-year, on-going project for coating maintenance on an approximate 7-10 year life cycle.

### Benefit

Improved efficiency of operation and identification of needed repairs. Improved aesthetics. Quantification of County assets.

### Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

### Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increased FY 24-28 based on current estimate and added FY 29 funding.
3. Change in Scope: None
4. Change in Timing: None

### Financial Information

- Initial Total Cost Est: $1,400,000
- Year First Approvd: 1998
- Est. Operating Budget Impact: None

### Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. County Council added $140k via AMD #189 and added $140k/year for Fy 17-21 via AMD #200 to Bill 29-15. CC removed $350k via AMD #74 to Bill 37-18.

### Phase Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* FY2029* 6 Yr Total* 6 Yr Plus*

<table>
<thead>
<tr>
<th>Phase</th>
<th>Total</th>
<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
<th>FY2029*</th>
<th>6 Yr Total*</th>
<th>6 Yr Plus*</th>
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</thead>
<tbody>
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<td>$1,008</td>
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</table>

### Funding Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* FY2029* 6 Yr Total* 6 Yr Plus*

<table>
<thead>
<tr>
<th>Funding</th>
<th>Total</th>
<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
<th>FY2029*</th>
<th>6 Yr Total*</th>
<th>6 Yr Plus*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Bonds</td>
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<tr>
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<td>$1,027</td>
<td>$5,654</td>
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</tbody>
</table>

More (Less) Than FY23 Approved

- Water Bonds: $14,000
- Water PayGo: $69
- Bond Premium: $191
- Approved: $245
- Total: $233
- 6 Yr Total: $1,027
- 6 Yr Plus: $1,779
**Capital Budget and Program**

**FY2024 Council Approved**

**Anne Arundel County, Maryland**

**W799400** Severndale WTP Upgrade PH III

**Description**

Replacement of the existing Chemical Feed Systems at the Severndale Water Treatment Plant. Project description amended in FY07 to include the upgrading of the existing lime system and the construction of caustic and sodium hypochlorite feed systems to replace the existing gaseous chlorine feed system. Project description amended in FY14 to include Process Control System. Project description amended in FY16 to include Water Treatment Plant Filter Rehabilitation and Severndale Water Booster Pump Station Process Control System.

**Benefit**

Improved water quality, system reliability and public safety.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: None
3. Action Required To Complete This Project: None

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on actual costs
3. Change in Scope: None
4. Change in Timing: None

**Financial Information**

Initial Total Cost Est: $300,000
Year First Apprvd: 2003
Est. Operating Budget Impact: Less than $100,000 per year

**Amendment History**

County Council removed $85k via AMD #78 to Bill 29-15.

**Phase**

<table>
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<th>FY2027*</th>
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More (Less) Than FY23 Approved

* = 000's

Page 444
Capital Budget and Program FY2024 Council Approved
Anne Arundel County, Maryland

W799600 Elevated Water Storage

Description
Construction of Elevated Water Storage Tanks in accordance with the Water Strategic Plan. Current Program includes new Elevated Tanks in the Broad Creek, Heritage Harbor, Broadneck, Glen Burnie Low, Crofton, and Maryland City zones.

Benefit
To meet domestic and fire flow demands.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Increased based on current cost estimates.
3. Change in Scope: None

Financial Information
Initial Total Cost Est: $3,080,000
Year First Apprvd: 2003
Est. Operating Budget Impact: Less than $100,000 per year

As of: Expended Encumbered Total
04/01/22 $2,605,737 $506,351 $3,112,088
04/01/23 $3,709,035 $714,024 $4,423,059

Amendment History
Prior approval has been adjusted to show the closing of jobs on this project. Removed $17,000,000 via AMD #76 to Bill 23-14. County Council removed $13,961,000 via AMD #77 to Bill 29-15. County Council removed $160k in FY17 and $170k in FY18 via AMD #114 to Bill 29-15.

Location
Countywide

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More (less) Than FY23 Approved
* = 000's
($5,950,000) $15,492 $0 $0 $0 $0 $15,492 $0
$9,542

Page 445
Capital Budget and Program

W801400  Crofton Meadows II Exp Ph 2

Anne Arundel County, Maryland

Project Class: Water
Dept: DPW-Utilities

Description
This project will provide funding to increase the capacity of the Crofton Meadows II WTP from 15 to 20 MGD by adding additional sedimentation basins, filters and raw water wells. Well field will be increased from 15 to 21.5 MGD. Project will include new raw water isolation valves to allow more operational control of the existing raw water mains to the plant and building modifications and repairs.

Benefit
Project will provide increased treatment plant capacity thus increasing water system reliability and reducing reliance on Baltimore City’s water supply.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design, ROW, Construction
3. Action Required To Complete This Project: Design, ROW, Construction, Performance

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on latest cost estimates
3. Change in Scope: None

Financial Information
Initial Total Cost Est: $37,942,000
Year First Apprvd: 2010
Est. Operating Budget Impact: Less than $100,000 per year

Amendment History

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More (Less) Than FY23 Approved
* = .000's

=$1,454

Page 446
**Description**

This project provides for the design, right of way acquisition, & construction of approximately 28,000 linear feet of 24-inch water transmission main. Phase I includes approximately 16,200 linear feet of pipeline & extends from the intersection of Brockbridge Rd and Guilford Rd, along Guilford Rd and MD Rte 32 to the intersection of Mapes Rd & MD Rte 32. Phase II includes approximately 11,800 linear feet of 24-inch main & extends from Mapes Rd, continues along MD Route 32 to the proposed 36-inch transmission main being constructed under Project W-7784. It also includes other improvements as required to provide secondary supply of water to 369 PZ until project completed.

**Benefit**

Project will improve reliability by providing a looped transmission main. Project will allow flow from the 400 Zone to the 330 Zone and will ultimately be a water source for a future booster pumping station pumping from the 330 Zone and discharging to the 369 Zone and 400 Zone. Project will assist in reducing reliance on the Baltimore City water system.

**Project Status**

1. Current Status Of This Project: Active

2. Action Taken In Current Fiscal Year: Planning, Design, Construction

3. Action Required To Complete This Project: Design, ROW, Construction, Performance

**Changes from Prior Year**

1. Change in Name or Description: None

2. Change in Total Project Cost: Increase based on current estimates

3. Change in Scope: None

4. Change in Timing: None

**Financial Information**

- **Initial Total Cost Est:** $14,166,800
- **Year First Apprvd:** 2020
- **Est. Operating Budget Impact:** Less than $10,000 per year

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**Amendment History**

County Council removed $55k via AMD #115 to Bill 29-15.
Benefit
This project will better ensure the proper operation and maintenance of water infrastructure facilities to allow upgrades, rehabilitation or replacement of various components to improve reliability and performance.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on current estimates, Added FY 29 Funding
3. Change in Scope: None
4. Change in Timing: None

Financial Information
Initial Total Cost Est: $4,500,000
Year First Apprvd: 2010
Est. Operating Budget Impact: Indeterminate

Amendment History
Prior approval has been adjusted to show the closing of jobs on this project. CC removed $800k via AMD #39 to Bill 36-17.
Funds are requested for the design, right of way acquisition and construction of a water transmission main that will transfer water in an easterly-westerly direction in the northern part of Anne Arundel County. Generally, the transmission network will provide improved distribution system conveyance between the Glen Burnie High and Glen Burnie Low Service Areas, while providing a source of supply for pumpage to higher pressure zones in the western part of the County.

Benefit
The project will improve the County's distribution system, allowing conveyance of water between service zones during periods of peak demands. The project when completed will also improve reliability and redundancy.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design, ROW
3. Action Required To Complete This Project: Design, ROW, Construction, Performance

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Increased based on current cost estimates.
3. Change in Scope: None
4. Change in Timing: None

Financial Information
Initial Total Cost Est: $19,593,000
Year First Approv'd: 2010
Est. Operating Budget Impact: None

Amendment History
County Council removed $310k via AMD #116 to Bill 29-15.
County Council removed $385k via AMD #49 to Bill 29-15.
Capital Budget and Program

W804300  New Cut WTP

Description

Funds are requested for planning and siting studies to support the design, right of way acquisition and construction of a new water treatment plant to serve the Glen Burnie High Zone. The new facility will provide additional capacity to support future growth and is intended to replace/supplement the Dorsey WTP.

Benefit

Provides additional treatment capacity to meet both existing and future domestic water demands, as well as, fire flow.

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning
3. Action Required To Complete This Project: Planning, ROW

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on current estimates
3. Change in Scope: None
4. Change in Timing: None

Financial Information

Initial Total Cost Est: $116,000
Year First Apprvd: 2009
Est. Operating Budget Impact: Less than $100,000 per year

Amendment History

CC removed $1m via AMD #41 to Bill 36-17.

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More (Less) Than FY23 Approved

* = 000's

$186,000
This project provides engineering, land acquisition and construction funding for the design and construction of approximately 10,800 linear feet of water main installations at various locations within Northern Anne Arundel County for improvement of water delivery to customers.

### Benefit
The project will provide system reliability enhancements by improving reliability to meet domestic and fire flow demands, as well as, system expansion.

### Project Status
1. **Current Status Of This Project**: Complete
2. **Action Taken In Current Fiscal Year**: None
3. **Action Required To Complete This Project**: None

### Changes from Prior Year
1. **Change in Name or Description**: None
2. **Change in Total Project Cost**: Decreased based on actual costs.
3. **Change in Scope**: None
4. **Change in Timing**: None

### Financial Information
- **Initial Total Cost Est:** $7,189,000
- **Year First Apprvd:** 2011
- **Est. Operating Budget Impact:** Less than $100,000 per year

### Amendment History
County Council removed $135k via AMD #51 to Bill 29-15.

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More (Less) Than FY23 Approved
* = .000's

### Location
- Countywide
Capital Budget and Program

W806100 Hanover Road Water Main Ext

Description

This project is for the design, right-of-way acquisition, and construction of approximately 1,450 linear feet of 12" water main from Ridge Road to New Ridge Road in the Hanover area. This project is being done in conjunction with the road design under H566701.

Benefit

This project will complete an important water main loop, improve reliability, and increase available fire flow in the surrounding area.

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning, Design
3. Action Required To Complete This Project: Design, ROW, Construction, Performance

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on current cost estimates
3. Change in Scope: None
4. Change in Timing: Construction in FY24 based on current schedule

Financial Information

Initial Total Cost Est: $322,000
Year First Apprvd: 2019
Est. Operating Budget Impact: Indeterminate

Amendment History

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Phase | Total | Prior | FY2024 | FY2025* | FY2026* | FY2027* | FY2028* | FY2029* | 6 Yr Total* | 6 Yr Plus* |
---|------|------|--------|--------|--------|--------|--------|--------|------------|------------|
Plans and Engineering | $63,000 | $63,000 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
Land | $8,000 | $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
Construction | $672,000 | $616,000 | $56,000 | $0 | $0 | $0 | $0 | $0 | $56 | $0 |
Overhead | $37,000 | $15,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $22 | $0 |
Approved | $780,000 | $702,000 | $78,000 | $0 | $0 | $0 | $0 | $0 | $78 | $0 |

Funding

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<th>6 Yr Plus*</th>
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Water Bonds | $780,000 | $702,000 | $78,000 | $0 | $0 | $0 | $0 | $0 | $78 | $0 |
Approved | $780,000 | $702,000 | $78,000 | $0 | $0 | $0 | $0 | $0 | $78 | $0 |

More (Less) Than FY23 Approved

* = 000's

Page 452
Capital Budget and Program

Description

This project is for the design, right of way acquisition, and construction of approximately 1,500 LF of 12" water main from the existing main at the end of Tanyard Springs Lane to Solley Road. This contract is in conjunction with H566901.

Benefit

This project will complete a dead end water main, improve reliability, and increase available fire flow in the surrounding area.

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Performance
3. Action Required To Complete This Project: None

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on actual costs.
3. Change in Scope: None
4. Change in Timing: None

Financial Information

Initial Total Cost Est: $296,000
Year First Apprvd: 2019
Est. Operating Budget Impact: Indeterminate

Amendment History

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</table>

More (Less) Than FY23 Approved

* = 000's
Capital Budget and Program

W806300  Water Meter Replace/Upgrade

Description

This is a multi-year project to support the replacement and upgrade of aging water meters. The project anticipates an annual replacement of approximately 5,500 meters from the total inventory of 142,000 metered accounts.

Benefit

Meter replacements will minimize revenue losses associated with the reduced accuracy of older meters. In addition, replacements of older meters with automatic meter reading technology will enable more accurate and efficient collection of information.

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Decrease due to current estimates
3. Change in Scope: None
4. Change in Timing: None

Financial Information

Initial Total Cost Est: $11,160,000
Year First Apprvd: 2019
Est. Operating Budget Impact: Indeterminate

Amendment History

As of: Expended Encumbered Total
04/01/22 $6,823,816 $1,539,052 $8,362,868
04/01/23 $8,152,699 $2,021,288 $10,173,987

Location

Countywide

Changes from Priority

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More (Less) Than FY23 Approved

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* = 000's
**Description**
Funds are requested for the design, right of way acquisition and construction of a water distribution system serving the Edgewater Beach Community. This will be extended as part of a petition project.

**Benefit**
Will provide public water to the Edgewater Beach Community

**Project Status**
1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: Planning
3. Action Required To Complete This Project: None

**Changes from Prior Year**
1. Change in Name or Description: None
2. Change in Total Project Cost: Project closed, Petition failed to move forward
3. Change in Scope: None
4. Change in Timing: None

**Financial Information**
- Initial Total Cost Est: $5,123,000
- Year First Apprvd: 2019
- Est. Operating Budget Impact: Indeterminate

**Amendment History**

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More (Less) Than FY23 Approved

| * = 000's     | ($444,000) | ($6,513) | $0      | $0      | $0      | $0      | ($6,957) |
This project will provide funds for design, construction, and implementation of Advanced Metering Infrastructure System. Initial phase of the project will include design and engineering of software architectural and system infrastructure. The project will be a multi-phase implementation project.

**Benefit**
Automated water meter infrastructure will provide a more enhanced data collection system with improved efficiencies and improved customer interactions.

**Project Status**
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning, Design
3. Action Required To Complete This Project: Design, ROW, Construction, Performance

**Changes from Prior Year**
1. Change in Name or Description: None
2. Change in Total Project Cost: Increased based on current cost estimates
3. Change in Scope: None
4. Change in Timing: None

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More (Less) Than FY23 Approved

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* = 000's
**Description**
Funds are requested for the design, construction, and inspection of a new administration building and maintenance building at the Arnold WTP. This project will also include an upgrade to the existing process control system and related SCADA system improvements, and upgrades to the facilities’ fires alarm system as needed.

**Benefit**
This project will increase operational efficiency by allowing Team Managers to be more centrally located to the facilities in their area of responsibility. Relocation of personnel from Millersville will also assist in alleviating space constraints at the Millersville location. Improvements to the fire alarm system will improve facility safety.

**Project Status**
1. Current Status Of This Project: New
2. Action Taken In Current Fiscal Year: Planning
3. Action Required To Complete This Project: Design, ROW, Construction, Performance

**Changes from Prior Year**
1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on current estimates
3. Change in Scope: None
4. Change in Timing: Construction shifted to FY25

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More (Less) Than FY23 Approved
* = 000's

($4,092,000) $5,262 $0 $0 $0 $0 $1,170
Funds are requested for the design, construction, and inspection of a new administration building at the Crofton Meadows WTP. This project will also include an upgrade to the existing process control system and related SCADA system improvements, and upgrades to the facilities' fire alarm system as needed, and provisions of new air conditioning and dehumidification equipment at the high lift and low lift pumping stations.

**Benefit**

This project will increase operational efficiency by allowing Team Managers to be more centrally located to the facilities in their area of responsibility, and alleviate space constraints at the Millersville location. Improvements to the fire alarm system will improve facility safety, and provision of air conditioning equipment in high lift and low lift stations will mitigate the condensation and corrosion occurring on process equipment.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning
3. Action Required To Complete This Project: Design, Construction, Performance
4. Change in Name or Description: Corrected name of treatment plant to Crofton Meadows WTP, and removed the ‘maintenance building’ from the description.

**Changes from Prior Year**

1. Change in Name or Description: Corrected name of treatment plant to Crofton Meadows WTP, and removed the ‘maintenance building’ from the description.
2. Change in Total Project Cost: Increase based on current estimates
3. Change in Scope: None
4. Change in Timing: None

**Financial Information**

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More (Less) Than FY23 Approved

| | | | | | | | | | | |
| | | | | | | | | | | $0 | $0 | $0 | $0 | $0 | $0 | $129 |

* = $0.00's
W809800 Dorsey WTP Improvements

**Description**

Funds are requested for the design, construction, and inspection of a new administration building and maintenance building at the Dorsey WTP. This project will also include related process control system and SCADA system improvements, upgrades to the facility’s fire alarm system as needed, and painting and repair of structures and equipment throughout the facility.

**Benefit**

This project will increase operational efficiency by allowing Team Managers to be more centrally located to the facilities in their area of responsibility, and alleviate space constraints at the Millersville location. The additional maintenance area should also allow simpler maintenance activities to be performed in a more central location relative to the service region.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning
3. Action Required To Complete This Project: Design, Construction, Performance

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on latest cost estimates
3. Change in Scope: None
4. Change in Timing: Construction shifted to FY26

**Financial Information**

- Initial Total Cost Est: $1,383,000
- Year First Apprvd: 2022
- Est. Operating Budget Impact:

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**Amendment History**

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More (Less) Than FY23 Approved

- $276,000
- ($2,685)
- $3,940
- $0
- $0
- $0
- $1,531
Anne Arundel County, Maryland

Project Class: Water
Dept: DPW-Utilities

**Description**

Funds are requested for the design, construction, and inspection of rehabilitation of the existing process treatment trains at the Crofton Meadows WTP. Work shall include repair, rehabilitation, and replacement of process components, including mechanical, electrical, instrumentation and control, and other supporting components.

**Benefit**

This project will replace aging critical components of the water treatment plant to maintain operational effectiveness and minimize disruption to operations.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design
3. Action Required To Complete This Project: Design, Construction, Performance

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: Increased based on current estimates
3. Change in Scope: None
4. Change in Timing: Construction shifted to FY26

**Financial Information**

Initial Total Cost Est: $5,198,000
Year First Apprvd: 2023
Est. Operating Budget Impact: Potential savings/cost avoidance

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**Amendment History**

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More (Less) Than FY23 Approved
* = 000's

($4,407,000) $0 $5,143 $0 $0 $0 $0 $736
W810500 Lead Service Line Repl.

Replacement of all lead service connections in the County based on the requirements revised Lead and Copper Rule regulations.

Benefit
Protects the health of County residents

Project Status
1. Current Status Of This Project: New Project
2. Action Taken In Current Fiscal Year: New Project
3. Action Required To Complete This Project: New Project

Changes from Prior Year
1. Change in Name or Description: New Project
2. Change in Total Project Cost: New Project
3. Change in Scope: New Project
4. Change in Timing: New Project

Financial Information
Initial Total Cost Est: $1,013,009,000
Year First Approv: 2024
Est. Operating Budget Impact:

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Funding

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More (Less) Than FY23 Approved

* = .000's

Location
Countywide
This is a multi-year Water Infrastructure Investigation, Rehabilitation and Replacement Program. Numerous complaints of low pressure and dirty water indicate the need to investigate, rehabilitate or replace inadequate mains and service connections. Results of investigations and rehabilitation will require calibration and upgrade of the hydraulic model to accurately reflect system capacity. Additionally, data conversion and automation will be required to graphically display modeled capacity and infrastructure expansion. This is an ongoing program to replace 2" and 3" water mains and to rehabilitate or replace deteriorating 4" and larger water mains. Studies of the distribution network are also included in this project.

Benefit
To ensure the adequacy of the county’s water distribution system.

### Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

### Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

### Phase Total FY2024 FY2025* FY2026* FY2027* FY2028* FY2029* 6 Yr Total* 6 Yr Plus*
---
Plans and Engineering ($2,525,763) ($2,525,763) $0 $0 $0 $0 $0 $0 $0 $0
Land $6,885 $6,885 $0 $0 $0 $0 $0 $0 $0 $0
Construction $36,841,325 $36,841,325 $0 $0 $0 $0 $0 $0 $0 $0
Overhead ($1,893,233) ($1,893,233) $0 $0 $0 $0 $0 $0 $0 $0
Other 172,707,987 99,507,987 $12,200,000 $12,200 $12,200 $12,200 $12,200 $73,200 $0
Approved 131,454,551 $58,254,551 $12,200,000 $12,200 $12,200 $12,200 $12,200 $73,200 $0

### Funding Total FY2024 FY2025* FY2026* FY2027* FY2028* FY2029* 6 Yr Total* 6 Yr Plus*
---
Water Bonds 109,605,551 $40,610,551 $7,995,000 $12,200 $12,200 $12,200 $12,200 $12,200 $68,995 $0
Water PayGo $8,744,000 $8,744,000 $0 $0 $0 $0 $0 $0 $0 $0
Bond Premium $13,105,000 $8,900,000 $4,205,000 $0 $0 $0 $0 $0 $0 $4,205 $0
Approved 131,454,551 $58,254,551 $12,200,000 $12,200 $12,200 $12,200 $12,200 $73,200 $0

More (Less) Than FY23 Approved $0 $0 $0 $0 $0 $12,200 $12,200

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### Location
Countywide

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### Financial Information
Initial Total Cost Est: $1,200,000
Year First Apprvd: 1985
Est. Operating Budget Impact: Potential savings/cost avoidance

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### Amendment History
Prior approval has been adjusted to show the closing of jobs on this project. Added $2,000,000 via AMD #25 to Bill 23-14. Removed $5m via AMD #19 to Bill 23-14. County Council removed $250k via AMD #152 and added $1,930,000 via AMD #190 and added $1,680,000/year for FTs 17-21 via AMD #201 to Bill 29-15.
Capital Budget and Program

X764300 Water Proj Planning

Description
Funds have been approved for preliminary planning, engineering, and cost estimating for proposed future Capital Water Projects. This will be a revolving fund that will be reimbursed as the future capital projects are established and funded in the Capital Budget.

Benefit
Provides for future planning of contemplated projects.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Increase based on current estimates and added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

Financial Information
Initial Total Cost Est: $300,000
Year First Apprvd: 1993
Est. Operating Budget Impact: None

Amendment History
Prior approval has been adjusted to show the closing of jobs on this project. Switched $1,210,000 of Bonds for PayGo via AMD #49 & 50 to Bill 46-13. Removed $300,000 via AMD #18 to Bill 23-14. CC removed $216k via AMD #43 to Bill 37-18.

Location
Countywide

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More (Less) Than FY23 Approved

* = 000's

Page 463
X787000 Water Storage Tank Painting

Description
This project is initiated to ensure the integrity of the current inventory of elevated and ground storage water tanks and is part of an ongoing project to inspect, rehabilitate and paint the current inventory within an economically feasible period of time. Future tank rehabilitation/painting is programmed as follows: FY20: Design of Crofton Meadows and Central Ave, Continued construction of Crofton Sphere and Arundel Mills. Start Construction of Crofton Meadows, EWST Tank Evaluation, Antenna inspection FY21: Design of Maryland City, continued construction of Crofton Meadows, EWST Tank Evaluation, Antenna inspection FY22: Construction of Central Ave, EWST Tank Evaluation, Antenna inspection FY23: Design of Old Mill, continued construction of Central Ave, EWST Tank Evaluation, Antenna inspection FY24: Design of Jumpers Hole, EWST Tank Evaluation, Antenna inspection FY25: Construction of Old Mill, Construction of Maryland City, EWST Tank Evaluation, Antenna inspection

Benefit
Preventive maintenance of infrastructure.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: Added FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

Financial Information
Initial Total Cost Est: $9,378,000
Year First Apprvd: 1998
Est. Operating Budget Impact: None

Amendment History
Prior approval has been adjusted to show the closing of jobs on this project. County Council removed $1m via AMD #154, added $357k via AMD #191, $357k in FY17, $357k in FY18, $1,611,000 in FY20 and $835k in FY21 and decreased $835k in FY19 via AMD #202 to Bill 29-15.

Location
Countywide

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* = 000's
**Routine Water Extensions**

**Description**
This project is for design, land acquisition and construction of minor extensions and minor projects identified by the department to the existing water system as petitioned by residents or determined necessary as an integral requirement of CIP Road Improvement that accommodate the road design and/or avoids future excavation of the new road infrastructure. It will also enable the Department of Public Works to respond to emergency situations mandated by the Maryland Department of the Environment for water service. Construction of major extensions (those estimated to cost more than $250,000) are programmed and budgeted as separate capital projects.

**Benefit**
Provides for orderly service expansion.

**Project Status**
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

**Changes from Prior Year**
1. Change in Name or Description: None
2. Change in Total Project Cost: Decreased based on available balance and add FY29 funding.
3. Change in Scope: None
4. Change in Timing: None

**Financial Information**
- Initial Total Cost Est: $94,000
- Year First Apprvd: 1968
- Est. Operating Budget Impact: Less than $100,000 per year

**Amendment History**
Prior approval has been adjusted to show the closing of jobs on this project. County Council removed $200k via AMD #30 to Bill 31-16, $200k via AMD #68 to Bill 36-17, $200k via AMD #45 to Bill 37-18, and $268,291 via AMD #42 to Bill 29-19.

**Location**
Countywide

**Capital Budget and Program**
Anne Arundel County, Maryland

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More (Less) Than FY23 Approved

* =$000's

Page 465
**Capital Budget and Program**

**FY2024 Council Approved**

**Anne Arundel County, Maryland**

**W741400 Chg Against Wtr Clsd Projects**

**Project Class:** Water  
**Dept:** DPW-Engineering

**Description**

Funds are approved to allow for settlement of claims and items required in Project Performance Phase on Water Capital Projects which have been closed out prior to the settlement of the claims. Available balances from completed projects will be the primary source of funding for this project.

**Benefit**

This fund ensures that claims can be settled in the most expedient manner.

**Project Status**

1. Current Status Of This Project: Active

2. Action Taken In Current Fiscal Year: Multi-Year

3. Action Required To Complete This Project: Multi-Year

**Changes from Prior Year**

1. Change in Name or Description: None

2. Change in Total Project Cost: None

3. Change in Scope: None

4. Change in Timing: None

**Financial Information**

- **Initial Total Cost Est:** $900,000
- **Year First Apprvd:** 1986
- **Est. Operating Budget Impact:** None

**Amendment History**

Prior approval has been adjusted to show the closing of jobs on this project.

**Phase**

- **Other**
  - Total: $220,866
  - Prior: $220,866
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- **Approved**
  - Total: $220,866
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- **Funding**
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- **Approved**
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**Location**

Countywide

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</table>
**Capital Budget and Program**

**Project Class:** Water  
**Dept:** DPW-Utilities

**W797600 Independent Well Upgrd**

**Description**

This project is to design and construct treatment and to examine/install Aquifer Storage Recovery (ASR) capacity in the northern part of the County. Additional future funding may be required if treatment becomes more complex than currently anticipated or if additional wells require treatment.

**Benefit**

This project is necessary to provide additional water supply in the Glen Burnie Water Service Area.

**Project Status**

1. **Current Status Of This Project:** Active
2. **Action Taken In Current Fiscal Year:** Design
3. **Action Required To Complete This Project:** Design, Construction, Performance

**Changes from Prior Year**

1. **Change in Name or Description:** None
2. **Change in Total Project Cost:** None
3. **Change in Scope:** None
4. **Change in Timing:** None

**Financial Information**

- **Initial Total Cost Est:** $3,193,000
- **Year First Apprvd:** 2000
- **Est. Operating Budget Impact:** Less than $100,000 per year

**Amendment History**

Prior approval has been adjusted to show the closing of jobs on this project.

**Location**

Countywide

### Phase Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* FY2029* 6 Yr Total* 6 Yr Plus*

- **Plans and Engineering**
  - Total: $232,223
  - Prior: $232,223
  - FY2024: $0
  - FY2025*: $0
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  - FY2028*: $0
  - FY2029*: $0
  - 6 Yr Total*: $0
  - 6 Yr Plus*: $0

- **Land**
  - Total: $1,000
  - Prior: $1,000
  - FY2024: $0
  - FY2025*: $0
  - FY2026*: $0
  - FY2027*: $0
  - FY2028*: $0
  - FY2029*: $0
  - 6 Yr Total*: $0
  - 6 Yr Plus*: $0

- **Construction**
  - Total: $1,782,984
  - Prior: $1,782,984
  - FY2024: $0
  - FY2025*: $0
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  - FY2028*: $0
  - FY2029*: $0
  - 6 Yr Total*: $0
  - 6 Yr Plus*: $0

- **Overhead**
  - Total: $154,851
  - Prior: $154,851
  - FY2024: $0
  - FY2025*: $0
  - FY2026*: $0
  - FY2027*: $0
  - FY2028*: $0
  - FY2029*: $0
  - 6 Yr Total*: $0
  - 6 Yr Plus*: $0

- **Approved**
  - Total: $2,171,058
  - Prior: $2,171,058
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  - FY2026*: $0
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  - 6 Yr Plus*: $0

**Funding Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* FY2029* 6 Yr Total* 6 Yr Plus**

- **Water Bonds**
  - Total: $1,741,058
  - Prior: $1,741,058
  - FY2024: $0
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  - 6 Yr Total*: $0
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- **Developer Contribution**
  - Total: $430,000
  - Prior: $430,000
  - FY2024: $0
  - FY2025*: $0
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- **Approved**
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* = 000's

More (Less) Than FY23 Approved

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W800200  Water System Security

Description
Design and construction of miscellaneous improvements to reduce vulnerability and improve water system security.

Benefit
Recent threats against homeland security have required additional measures to protect vital utility services.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction
3. Action Required To Complete This Project: Design, Construction, Performance

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Financial Information
Initial Total Cost Est: $4,800,000
Year First Apprvd: 2004
Est. Operating Budget Impact: Less than $100,000 per year

Amendment History
Prior approval has been adjusted to show the closing of jobs on this project.

Phase
Plans and Engineering
Land
Construction
Overhead
Approved

Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* FY2029* 6 Yr Total* 6 Yr Plus*

Initial Total Cost Est: $4,800,000
Year First Apprvd: 2004
Est. Operating Budget Impact: Less than $100,000 per year

As of: Expended Encumbered Total
04/01/22 $173,980 $100,682 $274,662
04/01/23 $302,054 $50,453 $352,507

Location
Countywide

More (Less) Than FY23 Approved
$0

* = 000's
W800300  Balto City Water Main Rpr

**Description**
Funds are requested for engineering and construction monies for the repair of the 72 inch transmission main paralleling the Key Bridge. This is one of two water supply feeds from Baltimore City. Additional funds are also requested for the County's share of the Hillen/Ashburton 64 inch bypass line. County share is 13% per a January 30, 1980 interjurisdictional agreement. Additional funds requested in FY07 for the County's share of the investigation and repair/replacement of the 54" transmission Main and 36" transmission Mains supplying the Nursery Road Booster Pumping Station. Portions of this project will be undertaken as a joint venture with Baltimore City and Baltimore County. Note: Costs represent projected Anne Arundel County share only.

**Benefit**
The transmission main is a major water supply source supplying up to 9 MGD. Lack of water supply has resulted in water use restrictions this past year in the northern part of the County.

**Project Status**
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

**Changes from Prior Year**
1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

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**Financial Information**
- Initial Total Cost Est: $2,520,000
- Year First Apprvd: 2004
- Est. Operating Budget Impact: None

**Amendment History**
County Council added $5,374,000 in FY07 Utility Bonds via amendment #60 to Bill 35-06. CC removed $1,262k via AMD #37 to Bill 37-18.

**Location**
Countywide
**Capital Budget and Program**

**W801200  12" St Marg/Old Mill Bttm**

**Description**

This project is for design, right of way acquisition and construction of approximately 7,000 linear feet of 12-inch water main within the 220 Broadneck Service Area. The main will extend along St. Margarets Road from the Amberly WTP to the existing distribution system located on the north side of MD Rte 50 at Old Mill Bottom Road. The project will improve the pressure within the existing distribution system.

**Benefit**

Project will complete loops between the existing 12-inch main on Old Mill Bottom Road North and the proposed 12-inch main in St. Margarets Road.

**Project Status**

1. **Current Status Of This Project:** Active
2. **Action Taken In Current Fiscal Year:** Design, Construction, Performance
3. **Action Required To Complete This Project:** Design, Construction, Performance

**Changes from Prior Year**

1. **Change in Name or Description:** None
2. **Change in Total Project Cost:** None
3. **Change in Scope:** None
4. **Change in Timing:** None

**Financial Information**

**Initial Total Cost Est:** $4,051,000
**Year First Apprvd:** 2010
**Est. Operating Budget Impact:** Less than $100,000 per year

**Amendment History**

County Council reduced $1,279,700 via AMD #37 to Bill 29-19.

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* = 000's

More (Less) Than FY23 Approved

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Page 470
**Description**

This project provides for the design, right of way acquisition and construction of various water main improvements within the 295 Glen Burnie High Pressure Zone. These mains will transmit flow, meet fire flow demands and reduce friction loss within the existing distribution system. Project includes the following improvements: *1,750 linear feet of 12-inch water main at Quarterfield Road from Sandy Hill Road to the existing main in Quarterfield Road.* *3,170 linear feet of 12-inch water main along Hammonds Ferry Road from Oregon Ave to Hammonds Business Park.* *2,800 linear feet of 8-inch water main along Oregon Ave to Raynor Ave.* *2,700 linear feet of 12-inch water main along Nursery Road.* *1,860 linear feet of 8-inch water main along Evelyn Ave.*

**Benefit**

Project will complete various looping thus reducing friction losses and increasing flows to meet fire demands.

**Project Status**

1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: None
3. Action Required To Complete This Project: None

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

**Financial Information**

- **Initial Total Cost Est:** $5,403,000
- **Year First Apprvd:** 2010
- **Est. Operating Budget Impact:** Less than $100,000 per year

**Amendment History**

County Council removed $56k via AMD #79 to Bill 29-15. CC removed $70k via AMD #75 to Bill 37-18.

**Phase**

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**Approved**

| Plans and Engineering | $1,646,662 | $1,696,662 | ($50,000) | $0     | $0      | $0      | $0      | $0      | ($50)      | $0         |
| Land                | $33,000    | $33,000    | $0     | $0      | $0      | $0      | $0      | $0      | $0         | $0         |
| Construction        | $1,308,057 | $1,358,057 | ($50,000) | $0     | $0      | $0      | $0      | $0      | $0         | $0         |
| Overhead            | $110,291   | $110,291   | $0     | $0      | $0      | $0      | $0      | $0      | $0         | $0         |

**Funding**

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<th>FY2025*</th>
<th>FY2026*</th>
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**Approved**

| Plans and Engineering | $1,646,662 | $1,696,662 | ($50,000) | $0     | $0      | $0      | $0      | $0      | ($50)      | $0         |
| Land                | $33,000    | $33,000    | $0     | $0      | $0      | $0      | $0      | $0      | $0         | $0         |
| Construction        | $1,308,057 | $1,358,057 | ($50,000) | $0     | $0      | $0      | $0      | $0      | $0         | $0         |
| Overhead            | $110,291   | $110,291   | $0     | $0      | $0      | $0      | $0      | $0      | $0         | $0         |

**More (Less) Than FY23 Approved**

* = .000s
W801800  Arnold WTP Exp

Description
This project provides funding for the design, right of way acquisition and construction of an expansion for the Arnold WTP. Project includes the expansion of both, the water treatment facility and well fields from 8 to 16 MGD. The project will also increase the pumping capacity of the booster pumps by 4.6 MGD and upgrade of the existing plant control system. The construction of this project is funded over two years.

Benefit
Project will provide increased treatment capacity thus increasing water system reliability and reducing reliance on Baltimore City's water supply.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design, ROW
3. Action Required To Complete This Project: Construction, Performance

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Financial Information
Initial Total Cost Est: $32,457,000
Year First Approv: 2010
Est. Operating Budget Impact: Less than $100,000 per year

Amendment History

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More (Less) Than FY23 Approved
* = $000's
Funds are requested to provide contract services for project management of water class projects during design, right of way acquisition, construction and performance. Funding for this project will be reimbursed by the individual capital projects to be managed.

**Benefit**

Improved efficiency during execution of the capital improvement program.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

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* As of 04/01/22 
* As of 04/01/23

**Financial Information**

- Initial Total Cost Est: $1,000,000
- Year First Approv: 2010
- Est. Operating Budget Impact: Potential savings/cost avoidance

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**Amendment History**

**Location**

Countywide
W804000  Broad Creek WTP Exp

**Capital Budget and Program**

**Description**
Funds are requested for the planning, design, right of way acquisition and construction to expand the Broad Creek WTP capacity to 8 million gallons per day, provide new raw water supply and new production wells. Subsequent to completing construction and commissioning of the Broad Creek WTP expansion described above, this project will fund the design and construction necessary to upgrade the existing facility.

**Benefit**
Expansion of treatment capacity to meet future growth and upgrade of the original water treatment processes to maintain treatment plant performance and reliability.

**Project Status**
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design, Construction, Performance
3. Action Required To Complete This Project: Design, Construction, Performance

**Changes from Prior Year**
1. Change in Name or Description: None
2. Change in Total Project Cost: Decrease based on current estimates
3. Change in Scope: None
4. Change in Timing: None

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**Financial Information**

- **Initial Total Cost Est:** $25,839,000
- **Year First Apprvd:** 2009
- **Est. Operating Budget Impact:** Less than $100,000 per year

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**Amendment History**
County Council removed $50k via AMD #50 to Bill 29-15, $245k via AMD #38 to Bill 37-18, $451k via AMD #38 to Bill 29-19.

| 04/01/22 | $16,057,505 | $6,114,606 | $22,172,111 |
| 04/01/23 | $21,396,456  | $2,547,519  | $23,943,975  |

- **($2,502,000)**

* = 000's
Capital Budget and Program FY2024 Council Approved

Anne Arundel County, Maryland

W804600 Balt City - Fullerton WTP

Description

Funds are requested for Anne Arundel County’s share of the proposed Baltimore City Fullerton Water Treatment Plant. The facility is being planned, designed and constructed to meet regulatory requirements, demands of the water service area and to provide reliability. Funds will only be requested to cover Anne Arundel County’s share of the new facility in accordance with inter-jurisdictional agreement between Baltimore City, Anne Arundel, Baltimore and Howard Counties.

At the time of project request, Anne Arundel County’s proportional share of the project has not been agreed upon. Local share could range between 4% to 10% of the total $500 million dollar project cost. Future funding requests will be made in the 5 Yr Program once percentages are agreed upon by all jurisdictions.

Benefit

The new facility is needed to meet regulatory requirements for potable water treatment, to provide operational reliability and to meet future demands. When completed, Fullerton will provide operational reliability to allow upgrade/rehabilitation of the Montebello Filtration Plant that currently provides water supply to Anne Arundel County.

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Financial Information

Initial Total Cost Est: $106,000
Year First Apprvd: 2011
Est. Operating Budget Impact: None

Amendment History

As of:
04/01/22
04/01/23

Location

Countywide
### Description
This multi-year project provides funding for the design and construction of new and replacement generator installations at water treatment plants, water booster pumping stations, water production wells and other water related facilities located throughout the County. Generator installations will include generator, fuel storage, automatic transfer switches, sound attenuation and necessary electrical components/wiring, as well as, associated alterations to address code compliance issues.

### Benefit
Generators provide a back up power source for water production and transmission facilities in the event of primary power failures. The supplemental power source will allow the utility to meet domestic and fire water demands in the event of extended power outages.

### Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

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### Changes from Prior Year

### Financial Information
Initial Total Cost Est: $9,077,000
Year First Apprvd: 2014
Est. Operating Budget Impact: Indeterminate

### Amendment History
County Council removed $45k via AMD #80 to Bill 29-15, $45k/year in FYs17-20 via AMD #117 to Bill 29-15, $160k via AMD #39 to Bill 37-18, and deferred $1,172k from FY20 & FY21 to FY22 via AMD #39 & 40 to Bill 29-19.

### Phase Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* 6 Yr Total* 6 Yr Plus*  
---
Plans and Engineering $819,803 $819,803 $0 $0 $0 $0 $0 $0 $0 $0
Land $30,000 $30,000 $0 $0 $0 $0 $0 $0 $0 $0
Construction $10,307,194 $10,307,194 $0 $0 $0 $0 $0 $0 $0 $0
Overhead $464,394 $464,394 $0 $0 $0 $0 $0 $0 $0 $0
Approved $11,621,390 $11,621,390 $0 $0 $0 $0 $0 $0 $0 $0

### Funding Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* 6 Yr Total* 6 Yr Plus*  
---
Water Bonds $9,120,390 $8,856,390 $264,000 $0 $0 $0 $0 $264 $0
Other Fed Grants $2,501,000 $2,765,000 ($264,000) $0 $0 $0 $0 ($264) $0
Approved $11,621,390 $11,621,390 $0 $0 $0 $0 $0 $0 $0 $0

* = 000's

More (Less) Than FY23 Approved
$0 $0 $0 $0 $0 $0 $0 $0 $0 $0

Location: Countywide
Capital Budget and Program  

FY2024 Council Approved  

Anne Arundel County, Maryland

W805500  

Arnold Lime System Upgrade

Description

This project includes the upgrade of the lime handling and feed system to meet the demands of the upgraded 16-mgd facility and the regulatory requirements mandated by the Environmental Protection Agency and the Maryland Department of the Environment. The project also includes concrete repairs to the facility's clarifiers and the design and construction of a catwalk between the facility's process tanks.

Benefit

The project work will provide lime handling and feed system sized appropriately to meet the process capacity of the facility and will improve overall efficiency of operation.

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning, Design, ROW, Construction
3. Action Required To Complete This Project: Construction, Performance

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Financial Information

Initial Total Cost Est: $6,129,000  
Year First Apprvd: 2017  
Est. Operating Budget Impact: Indeterminate

Amendment History

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More (Less) Than FY23 Approved  

* = 000's

Page 477
The purpose of this project is to design and construct several process system upgrades to maintain reliable operation of the facility's treatment components including the lime system volumetric control system, mixers, silo activators, lime pump control system, and the lime feed lines inside the process building as well as those delivering lime to the outdoor application points.

Benefit
The improvements are necessary to upgrade/rehabilitate facility infrastructure to extend the lime system operating life and to maintain efficient treatment operations.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning, Design, Construction
3. Action Required To Complete This Project: Construction, Performance

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Financial Information
Initial Total Cost Est: $3,120,000
Year First Apprvd: 2017
Est. Operating Budget Impact: Indeterminate

Amendment History
County Council reduced $196k via AMD #41 to Bill 29-19,

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More (Less) Than FY23 Approved
* = $0.00's
**Capital Budget and Program**

**W805700 Heritage Harbor Wtr Takeover**

**Project Class:** Water  
**Dept:** DPW-Utilities

**Description**

Project includes Design, Right-of-way acquisition, and construction of water improvements based on a valid petition for approximately 106 units. The project is located in the Heritage Harbor sections of Crest Cove, Misty Ridge Cove, North Haven Cove, Point Lookout Cove, Quiet Waters Cove, and Twin Landings Cove.

**Benefit**

The Heritage Harbor sections of Crest Cove, Misty Ridge Cove, North Haven Cove, Point Lookout Cove, Quiet Waters Cove, and Twin Landings Cove have requested through petition that DPW takeover and maintain their existing private water system.

**Project Status**

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design, ROW
3. Action Required To Complete This Project: Construction, Performance

**Changes from Prior Year**

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

**Changes from Prior Year**

- **Phase:** Plans and Engineering  
  - Total: $284,000  
  - Prior: $284,000  
  - FY2024: $0  
  - FY2025: $0  
  - FY2026: $0  
  - FY2027: $0  
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  - FY2029: $0  
  - 6 Yr Total: $0  
  - 6 Yr Plus: $0

- **Phase:** Land  
  - Total: $1,000  
  - Prior: $1,000  
  - FY2024: $0  
  - FY2025: $0  
  - FY2026: $0  
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  - FY2029: $0  
  - 6 Yr Total: $0  
  - 6 Yr Plus: $0

- **Phase:** Construction  
  - Total: $1,769,500  
  - Prior: $1,769,500  
  - FY2024: $0  
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  - 6 Yr Plus: $0

- **Phase:** Overhead  
  - Total: $82,000  
  - Prior: $82,000  
  - FY2024: $0  
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  - 6 Yr Plus: $0

**Funding**

- **Water Bonds**  
  - Total: $2,136,500  
  - Prior: $2,136,500  
  - FY2024: $0  
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**Approved**

- **Total:** $2,136,500  
  - Prior: $2,136,500  
  - FY2024: $0  
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  - 6 Yr Plus: $0

**Financial Information**

- **Initial Total Cost Est:** $1,242,000  
- **Year First Apprvd:** 2018  
- **Est. Operating Budget Impact:** Indeterminate

**Amendment History**

- **As of:**  
  - 04/01/22: $148,961  
  - Encumbered: $106,551  
  - Total: $255,512  

- **As of:**  
  - 04/01/23: $1,050,316  
  - Encumbered: $711,581  
  - Total: $1,761,897
Capital Budget and Program

Project Class: Water
Dept: DPW-Utilities

W805800 Whiskey Bottom Road Interconn

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning, Design
3. Action Required To Complete This Project: Design, ROW, Construction, Performance
4. Change in Name or Description: None
5. Change in Total Project Cost: None
6. Change in Scope: None
7. Change in Timing: None

Benefit

This will allow for an emergency connection to the Howard County Public Water System if required, allowing for additional redundancy in the Maryland City Pressure Zone and the Laurel area.

Description

Project consists of design, right of way acquisition, and construction of approximately 1600 LF of new 12" water main connecting the existing water main in Whiskey Bottom Road to the Howard County Public Water System.

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Project consists of design, right of way acquisition, and construction of approximately 1600 LF of new 12" water main connecting the existing water main in Whiskey Bottom Road to the Howard County Public Water System.

Financial Information

Initial Total Cost Est: $3,205,000
Year First Apprvd: 2018
Est. Operating Budget Impact: Indeterminate

Amendment History

As of: Expended Encumbered Total
04/01/22 $77,647 $2,116 $79,763
04/01/23 $97,502 $172,771 $270,273

Phase

Total Prior FY2024 FY2025* FY2026* FY2027* FY2028* FY2029* 6 Yr Total* 6 Yr Plus*
Plans and Engineering $256,000 $256,000 $0 $0 $0 $0 $0 $0 $0 $0
Land $253,000 $253,000 $0 $0 $0 $0 $0 $0 $0 $0
Construction $3,604,300 $3,604,300 $0 $0 $0 $0 $0 $0 $0 $0
Overhead $164,000 $164,000 $0 $0 $0 $0 $0 $0 $0 $0
Approved $4,277,300 $4,277,300 $0 $0 $0 $0 $0 $0 $0 $0

Funding

Water Bonds $4,277,300 $4,277,300 $0 $0 $0 $0 $0 $0 $0 $0
Approved $4,277,300 $4,277,300 $0 $0 $0 $0 $0 $0 $0 $0

More (Less) Than FY23 Approved
$0 $0 $0 $0 $0 $0 $0 $0 $0 $0

* = $00's

Page 480
W805900  Coriander Place WM Extension

Description
This project is for the design, right of way acquisition and construction of approximately 1,400 LF of water main along Coriander Place, and portions of Cardamon Drive and Oregano Drive.

Benefit
This is a petition project and will provide water service to 15 properties.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Planning, Design, ROW, Construction, Performance
3. Action Required To Complete This Project: None

Changes from Prior Year
1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

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More (Less) Than FY23 Approved

* = 000's

Financial Information
Initial Total Cost Est: $900,000
Year First Apprvd: 2019
Est. Operating Budget Impact: Indeterminate

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Amendment History
**Capital Budget and Program**

**FY2024 Council Approved**

**Anne Arundel County, Maryland**

**Project Class:** Water  
**Dept.:** DPW-Utilities

**W806000  Banbury WM Extension**

**Description**

This project is for the design, right of way acquisition, and construction a of new water main along Banbury Road in the Gibson Island area.

**Benefit**

The water main will improve reliability of the Gibson Island PZ and increase available fire flow in the surrounding area.

**Project Status**

1. Current Status Of This Project: Active

2. Action Taken In Current Fiscal Year: Construction, Performance

3. Action Required To Complete This Project: Performance

**Changes from Prior Year**

1. Change in Name or Description: None

2. Change in Total Project Cost: None

3. Change in Scope: None

4. Change in Timing: None

**Financial Information**

- **Initial Total Cost Est:** $545,000
- **Year First Apprvd:** 2019
- **Est. Operating Budget Impact:** Indeterminate

**Amendment History**

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* = 000's  

More (Less) Than FY23 Approved  

Page 482
Funds are requested for the design, construction, and inspection of new photovoltaic panels at the Utility Operations Complex. Work will include solar arrays on existing building roofs, canopies over parking lots, electric vehicle charging stations, and other necessary improvements to support the system.

Benefit
This project will improve energy efficiency at the Utility Operations Complex and reduce the use of electricity.

Project Status
1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction, Performance
3. Action Required To Complete This Project: Performance

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<th>Prior</th>
<th>FY2024</th>
<th>FY2025*</th>
<th>FY2026*</th>
<th>FY2027*</th>
<th>FY2028*</th>
<th>FY2029*</th>
<th>6 Yr Total*</th>
<th>6 Yr Plus*</th>
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Initial Total Cost Est: $2,963,000
Year First Apprvd: 2020
Est. Operating Budget Impact: Potential savings/cost avoidance

Amendment History
Added $1.5m in grant funding and decreased water bonds by $1.5m via Bill No 107-21

More (Less) Than FY23 Approved
* = 000's

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Capital Budget and Program

FY2024 Council Approved

Anne Arundel County, Maryland

W808900 Severndale WTP Filter Rehab

Project Class: Water
Dept: DPW-Utilities

Description

Remove and replace original underdrain system of the existing filters for the Water Treatment Plant.

Benefit

This will improve the efficiency of the Water Treatment Plant, improve water quality and reduce excess backwashing.

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Design, Construction
3. Action Required To Complete This Project: Construction, Performance

Changes from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Financial Information

Initial Total Cost Est: $8,317,000
Year First Apprvd: 2020
Est. Operating Budget Impact: Indeterminate

Amendment History

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<td>04/01/23</td>
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Phase

- Plans and Engineering
  - Total: $242,000
  - Prior: $242,000
  - FY2024: $0
  - FY2025: $0
  - FY2026: $0
  - FY2027: $0
  - FY2028: $0
  - FY2029: $0
  - 6 Yr Total: $0
  - 6 Yr Plus: $0

- Construction
  - Total: $4,870,000
  - Prior: $4,870,000
  - FY2024: $0
  - FY2025: $0
  - FY2026: $0
  - FY2027: $0
  - FY2028: $0
  - FY2029: $0
  - 6 Yr Total: $0
  - 6 Yr Plus: $0

- Overhead
  - Total: $205,000
  - Prior: $205,000
  - FY2024: $0
  - FY2025: $0
  - FY2026: $0
  - FY2027: $0
  - FY2028: $0
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  - 6 Yr Plus: $0

Approved

- Total: $5,317,000
  - Prior: $5,317,000
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  - FY2026: $0
  - FY2027: $0
  - FY2028: $0
  - FY2029: $0
  - 6 Yr Total: $0
  - 6 Yr Plus: $0

Water Bonds

- Total: $5,317,000
  - Prior: $5,317,000
  - FY2024: $0
  - FY2025: $0
  - FY2026: $0
  - FY2027: $0
  - FY2028: $0
  - FY2029: $0
  - 6 Yr Total: $0
  - 6 Yr Plus: $0

Approved

- Total: $5,317,000
  - Prior: $5,317,000
  - FY2024: $0
  - FY2025: $0
  - FY2026: $0
  - FY2027: $0
  - FY2028: $0
  - FY2029: $0
  - 6 Yr Total: $0
  - 6 Yr Plus: $0

More (Less) Than FY23 Approved

* = 000's

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