

# Potomac WFP Consent Decree Program

| A. Identification and Coding Information |                |             |
|--|----------------|-------------|
| Agency Number                            | Project Number | Update Code |
| W - 000073.33                            | 173801         | Change      |

|              |                 |
|--------------|-----------------|
| PDF Date     | October 1, 2019 |
| Date Revised |                 |

|                 |                    |
|-----------------|--------------------|
| Pressure Zones  | Potomac WFP HGPOWF |
| Drainage Basins |                    |
| Planning Areas  | Bi-County          |

## B. Expenditure Schedule (000's)

| Cost Elements                  | Total          | Thru FY'19   | Estimate FY'20 | Total 6 Years  | Year 1 FY'21  | Year 2 FY'22  | Year 3 FY'23  | Year 4 FY'24  | Year 5 FY'25  | Year 6 FY'26  | Beyond 6 Years |
|--------------------------------|----------------|--------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Planning, Design & Supervision | 40,154         | 6,154        | 3,500          | 26,500         | 4,000         | 5,000         | 5,000         | 4,500         | 4,000         | 4,000         | 4,000          |
| Land                           | 1,000          | 1,000        |                |                |               |               |               |               |               |               |                |
| Construction                   | 151,653        | 1,153        | 7,000          | 126,000        | 6,000         | 20,000        | 25,000        | 25,000        | 25,000        | 25,000        | 17,500         |
| Other                          | 9,225          |              | 525            | 7,625          | 500           | 1,250         | 1,500         | 1,475         | 1,450         | 1,450         | 1,075          |
| <b>Total</b>                   | <b>202,032</b> | <b>8,307</b> | <b>11,025</b>  | <b>160,125</b> | <b>10,500</b> | <b>26,250</b> | <b>31,500</b> | <b>30,975</b> | <b>30,450</b> | <b>30,450</b> | <b>22,575</b>  |

## C. Funding Schedule (000's)

|            |         |       |        |         |        |        |        |        |        |        |        |
|------------|---------|-------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| WSSC Bonds | 202,032 | 8,307 | 11,025 | 160,125 | 10,500 | 26,250 | 31,500 | 30,975 | 30,450 | 30,450 | 22,575 |
|------------|---------|-------|--------|---------|--------|--------|--------|--------|--------|--------|--------|

## D. Description & Justification

### DESCRIPTION

The Potomac WFP Consent Decree Program provides for the planning, design, and construction required for the implementation of Short-Term Operational and Long-Term Capital Improvements at the Potomac Water Filtration Plant (WFP) to allow the Commission to meet the new discharge limitations identified in the Consent Decree.

### JUSTIFICATION

The Consent Decree (CD) was Entered by the U.S. District Court of Maryland on April 15, 2016. Under the terms of the CD the Commission is required to “undertake short-term operational changes and capital improvements at the Potomac WFP that will enable WSSC to reduce significantly the pounds per day of solids discharged to the River” (CD Section II. Paragraph 6.i); and to plan, design, and implement long term “upgrades to the existing Plant or to design and construct a new plant to achieve the effluent limits, conditions, and waste load allocations established by the Maryland Department of the Environment (the Department) and/or in this Consent Decree, and incorporated in a new discharge permit to be issued by the Department” (CD Section II. Paragraph 6.ii). The CD required the Commission to submit a Draft Audit Report and Draft Long-Term Upgrade Plan to the Citizens and the Department by November 15, 2016, and final reports to the Citizens and the Department by January 1, 2017. The Final Audit and Long-Term Upgrade Plan Reports were submitted to the Citizens and the Department on December 29, 2016. The Department reviews the Audit Report and selects recommended improvements in operations, monitoring, and waste tracking, along with select capital projects that can be completed no later than April 1, 2020 and that are necessary to achieve the goals identified in CD Section IV. Paragraph 24. Additionally, the work required to implement the Long-Term Capital Improvements Project(s) shall be fully implemented in accordance with the schedule set forth in the Long-Term Upgrade Plan. The Commission shall be subject to a lump-sum stipulated penalty in accordance with the CD for failure to implement the Long-Term Capital Improvement Project(s) by January 1, 2026.

### COST CHANGE

Costs were increased for inflation and are based on recommendations in the approved revised LTUP Report dated September 2018.

### OTHER

The project scope has remained the same. Expenditure and schedule projections shown above are Order of Magnitude level estimates. The expenditure and schedule projections shown above also include \$1,000,000 for Supplemental Environmental Projects included under CD Section IX. Paragraph 50. Preliminary planning work began in FY '16 under ESP project W-708.48, Potomac WFP Consent Decree Projects; operational requirements identified in CD Section IV. Interim Performance Measures and Plant Improvements are currently underway under ESP project W-708.47, Potomac WFP Turbidity Monitoring. WSSC Water Green Bonds issued in December 2019 will be utilized to fund a portion of this project. The reduction in suspended solids discharged into the Potomac River will address the following International Capital Market Association (ICMA) Green Bond Principles 2016 categories: Pollution prevention/control; and, Terrestrial and aquatic biodiversity conservation.

### COORDINATION

Coordinating Agencies: Maryland Department of the Environment; Montgomery County Government; National Park Service; Prince George's County Government; U.S. Environmental Protection Agency, Region III  
Coordinating Projects: W - 000073.30 - Potomac WFP Submerged Channel Intake; W - 000073.32 - Potomac WFP Main Zone Pipeline

| E. Annual Operating Budget Impact (000's) |          | FY of Impact |
|---|----------|--------------|
| Staff & Other                             |          |              |
| Maintenance                               |          |              |
| Debt Service                              | \$13,142 | 28           |
| Total Cost                                | \$13,142 | 28           |
| Impact on Water and Sewer Rate            | \$0.03   | 28           |

## F. Approval and Expenditure Data (000's)

|                              |         |
|------------------------------|---------|
| Date First in Program        | FY 17   |
| Date First Approved          | FY 16   |
| Initial Cost Estimate        | 27,250  |
| Cost Estimate Last FY        | 163,823 |
| Present Cost Estimate        | 202,032 |
| Approved Request Last FY     | 9,975   |
| Total Expense & Encumbrances | 8,307   |
| Approval Request Year 1      | 10,500  |

## G. Status Information

|                           |               |
|---------------------------|---------------|
| Land Status               | Land Acquired |
| Project Phase             | Design        |
| Percent Complete          | 0 %           |
| Estimated Completion Date | January 2027  |

|                          |      |
|--------------------------|------|
| Growth                   |      |
| System Improvement       |      |
| Environmental Regulation | 100% |
| Population Served        |      |
| Capacity                 |      |

## H. Map

MAP NOT AVAILABLE