

|                                                                  |               |                          |                        |                                            |  |
|------------------------------------------------------------------|---------------|--------------------------|------------------------|--------------------------------------------|--|
| <b>A. Identification and Coding Information</b>                  |               | 2. Date: October 1, 2005 |                        | 7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac. |  |
| 1. Project Number                                                | Agency Number | Update Code              | Revised:               |                                            |  |
| 954811                                                           | S-22.06       | Change                   |                        |                                            |  |
| 3. Project Name: Blue Plains WWTP: Liquid Train Projects, Part 2 |               |                          | 5. Agency: <b>WSSC</b> |                                            |  |
| 4. Program:                                                      | Sanitation    | 6. Planning Area:        | Bi-County              |                                            |  |

| Expenditure Schedule (000's)   |                |                       |                            |                          |                          |                          |                          |                          |                          |                          |                           |      |
|--------------------------------|----------------|-----------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|------|
| Cost Elements                  | (8)            | (9)<br>Thru<br>FY '05 | (10)<br>Estimate<br>FY '06 | (11)<br>Total<br>6 Years | (12)<br>Year 1<br>FY '07 | (13)<br>Year 2<br>FY '08 | (14)<br>Year 3<br>FY '09 | (15)<br>Year 4<br>FY '10 | (16)<br>Year 5<br>FY '11 | (17)<br>Year 6<br>FY '12 | (18)<br>Beyond<br>6 Years | (19) |
| Planning, Design & Supervision | 26,802         | 14,761                | 3,046                      | 6,509                    | 2,643                    | 1,654                    | 1,019                    | 287                      | 233                      | 673                      | 2,486                     |      |
| Land                           |                |                       |                            |                          |                          |                          |                          |                          |                          |                          |                           |      |
| Site Improvements & Utilities  |                |                       |                            |                          |                          |                          |                          |                          |                          |                          |                           |      |
| Construction                   | 194,872        | 140,843               | 21,455                     | 32,539                   | 15,795                   | 11,873                   | 4,871                    |                          |                          |                          |                           | 35   |
| Other                          | 907            | 247                   | 245                        | 390                      | 184                      | 135                      | 59                       | 3                        | 2                        | 7                        | 25                        |      |
| <b>Total</b>                   | <b>222,581</b> | <b>155,851</b>        | <b>24,746</b>              | <b>39,438</b>            | <b>18,622</b>            | <b>13,662</b>            | <b>5,949</b>             | <b>290</b>               | <b>235</b>               | <b>680</b>               | <b>2,546</b>              |      |
| Funding Schedule (000's)       |                |                       |                            |                          |                          |                          |                          |                          |                          |                          |                           |      |
| WSSC Bonds                     | 172,523        | 120,801               | 19,181                     | 30,568                   | 14,434                   | 10,589                   | 4,611                    | 225                      | 182                      | 527                      | 1,973                     |      |
| SDC                            | 37,840         | 26,495                | 4,207                      | 6,705                    | 3,166                    | 2,323                    | 1,011                    | 49                       | 40                       | 116                      | 433                       |      |
| City of Rockville              | 12,218         | 8,555                 | 1,358                      | 2,165                    | 1,022                    | 750                      | 327                      | 16                       | 13                       | 37                       | 140                       |      |

**D. Description & Justification**

**DESCRIPTION**

This project includes funding for WSSC's share of Blue Plains liquid train projects for which construction began after June 30, 1993. Major projects include the following: Improvements to Primary and Secondary Treatment; Influent Screens and Grit Removal Systems Renovations; Nitrification Facility; Filtration/Disinfection Facility; Raw Wastewater Pump Stations 1 & 2; and Filtration Facility Pumping System. All facilities are sized at 370 MGD.

**Service Area** Bi-County Area **Capacity** 370 MGD

**Plans & Studies**

The Blue Plains Intermunicipal Agreement of 1985; the WASA Master Plan (1998); and the DC-WASA Adopted FY 2004 - FY 2013 Capital Improvement Program (January, 2005).

**Specific Data**

This is a continuation of the DC-WASA's upgrading of the Blue Plains Wastewater Treatment Plant.

**Cost Change**

The net cost decrease in the six-year program reflects the latest estimates from DCWASA for existing and future projects, and is heavily influenced by a number of the larger projects moving through construction, including: Grit Chambers, Influent Screens, Primary & Secondary Treatment, Nitrification, and Filtration/Disinfection facilities. Increased cost for "Beyond 6 Years" shows the anticipation of design for phase II of Dual Purpose Sedimentation Basins, Grit Chambers, Primary & Secondary Treatment, and Filtration/Disinfection facilities.

**STATUS** Not Applicable

**OTHER**

The project scope has remained the same.

**Project History:** This project was first included in the FY95 CIP and includes those Blue Plains liquid side sub-projects where construction commenced after June 30, 1993. As such, these sub-projects are SDC eligible. This project, in essence, represents the "current-thinking" facility plan for Blue Plains liquid side sub-projects. The project costs shown above are derived from the DCWASA Capital & Operating Budget 10-year forecast of spending and WASA's latest project management data and fully reflect WASA's current cost estimates and expenditure schedules. Given the open-ended nature of the Blue Plains projects, this PDF may not fully reflect the total project costs. These projects are in fact expected to continue indefinitely. It is anticipated that as new sub-projects

|                                                  |              |              |     |
|--------------------------------------------------|--------------|--------------|-----|
| <b>E. Annual Operating Budget Impact (000's)</b> |              | FY of Impact |     |
| Program Costs                                    | Staff        |              |     |
|                                                  | Other        |              |     |
| Facility Costs                                   | Maintenance  | 14440        |     |
|                                                  | Debt Service | 14440        |     |
| Total Costs                                      |              |              | 314 |
| Impact on Water or Sewer Rate                    |              |              |     |

|                                                 |  |         |
|-------------------------------------------------|--|---------|
| <b>F. Approval and Expenditure Data (000's)</b> |  |         |
| Date First in Capital Program                   |  | FY 95   |
| Date First Approved                             |  | FY 95   |
| Initial Cost Estimate                           |  | 69,745  |
| Cost Estimate Last FY                           |  | 242,632 |
| Present Cost Estimate                           |  | 222,581 |
| Approved Request, Last FY                       |  | 35,275  |
| Total Expenditures & Encumbrances               |  | 155,851 |
| Approval Request FY 07                          |  | 18,622  |
| Supplemental Approval Request Current FY (06)   |  |         |

|                              |                |
|------------------------------|----------------|
| <b>G. Status Information</b> |                |
| Land Status:                 | Not applicable |
| % Project Completion:        | On-Going       |
| Est. Completion Date:        | On-Going       |

|               |                            |
|---------------|----------------------------|
| <b>H. Map</b> | <b>Map Reference Code:</b> |
|---------------|----------------------------|

**MAP NOT AVAILABLE**

DESCRIPTION & JUSTIFICATION (CONT.)

25-10

Agency Number: S - 22.06

Project Name: Blue Plains WWTP: Liquid Train Projects, Part 2

are added to the Blue Plains facility plans, the associated costs will be added to this project. Prior expenditures and funding shown in Column 9 are post-Intermunicipal Agreement. The funding schedule also indicates the calculated Rockville share of the cost.

COORDINATION

District of Columbia Water & Sewer Authority (responsible for design and construction.) (Biological Nutrient Removal costs are carried on WSSC Project S-22.08).

NOTE This project supports 17% Growth, 59% System Improvement and 24% Environmental Regulation.