

# Fund 69300: Sewer Construction Improvements

**Focus** Fund 69300, Sewer Construction Improvements, provides for wastewater management construction projects through a transfer of funds from Fund 69000, Sewer Revenue. All projects in Fund 69300 are fully supported by sewer system revenues.

Funding in the amount of \$89,000,000 is included in Fund 69300, Sewer Construction Improvements, in FY 2023. FY 2023 funding will provide for the following projects:

## Collection System Replacement and Rehabilitation

This is a continuing project established to implement systematic rehabilitation of the County's approximately 3,300 miles of sanitary sewer lines. Rehabilitation includes, among other things, the use of trenchless technology to rehabilitate approximately 20 miles of sewer per year. FY 2023 funding in the amount of \$3,500,000 is included to continue the systematic rehabilitation of the County's sewer lines.

## Gravity Sewer Capacity Improvements

This project funds the installation of sewer lines to provide the needed capacity to serve new development within the County. As areas develop, more strain is placed on the sanitary sewer system serving the area. FY 2023 funding in the amount of \$17,700,000 will provide for increasing the size of the gravity sewer or installing parallel gravity sewers.

## Gravity Sewers

This project funds the inspection, repair, and replacement of gravity sewers within the wastewater collection system. FY 2023 funding in the amount of \$15,900,000 will provide for the closed-circuit television (CCTV) inspection of more than 200 miles of sewer and rehabilitation of over 25 miles of sewer using cured-in-place-pipe (CIPP). In addition, funding is provided for the repair and replacement of defective and aging gravity sewers, including emergency repair work. New initiatives for FY 2023 include detailed inflow and infiltration and creek bed investigations.

## Large Diameter Pipe Rehabilitation and Replacement

This project supports the condition assessment of 49 miles of sewer lines with a diameter of 15 inches or larger and provides recommendations for the rehabilitation and/or replacement alternatives. FY 2023 funding in the amount of \$700,000 will provide for the next phase of this program, which includes construction work.



## Noman Cole Treatment Plant Renewal

This project provides for the continuation of systematic rehabilitation of structures and equipment at the Noman M. Cole, Jr. Pollution Control Plant (NMCCPCP). FY 2023 funding in the amount of \$37,000,000 is included for the rehabilitation and replacement of pumps, gates, and valves; stormwater runoff improvements, and continuation of the rehabilitation of the motor control centers/distribution centers (MCC/DC) and raw wastewater pump station facility.

## Pumping Stations

This project provides for the planned replacement of pumping stations throughout the County. FY 2023 funding of \$14,200,000 is included for the regularly scheduled repair, renovation, and replacement of pumping station equipment and facilities. There will be eight pump stations in the design phase and four pump stations in the construction phase in FY 2023.

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### **FY 2023 Funding Adjustments**

The following funding adjustments from the FY 2022 Adopted Budget Plan are necessary to support the FY 2023 program:

|  |                    |
|--|--------------------|
| <b>Capital Projects</b>  | <b>\$3,000,000</b> |
| Funding of \$89,000,000 in Capital Projects, an increase of \$3,000,000 over the <u>FY 2022 Adopted Budget Plan</u> , has been included in FY 2023 for priority wastewater capital projects. |                    |

### **Changes to FY 2022 Adopted Budget Plan**

The following funding adjustments reflect all approved changes in the FY 2022 Revised Budget Plan since passage of the FY 2022 Adopted Budget Plan. Included are all adjustments made as part of the FY 2021 Carryover Review, FY 2022 Mid-Year Review, and all other approved changes through December 31, 2021:

|   |                     |
|---|---------------------|
| <b>Carryover Adjustments</b>  | <b>\$50,291,493</b> |
| As part of the FY 2021 Carryover Review, the Board of Supervisors approved funding of \$50,291,493 due to the carryover of unexpended project balances. |                     |

A Fund Statement and a Summary of Capital Projects are provided on the following pages. The Summary of Capital Projects may include some projects without a Total Project Estimate amount. These projects are considered "continuing" projects or projects for which funding is necessary on an ongoing basis (e.g., a contingency or planning project).

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## FUND STATEMENT

| Category                              | FY 2021<br>Actual    | FY 2022<br>Adopted<br>Budget Plan | FY 2022<br>Revised<br>Budget Plan | FY 2023<br>Advertised<br>Budget Plan |
|---------------------------------------|----------------------|-----------------------------------|-----------------------------------|--------------------------------------|
| <b>Beginning Balance</b>              | <b>\$54,311,053</b>  | <b>\$0</b>                        | <b>\$45,077,740</b>               | <b>\$0</b>                           |
| <b>Transfers In:</b>                  |                      |                                   |                                   |                                      |
| Sewer Revenue (69000)                 | \$77,000,000         | \$86,000,000                      | \$86,000,000                      | \$89,000,000                         |
| <b>Total Transfers In</b>             | <b>\$77,000,000</b>  | <b>\$86,000,000</b>               | <b>\$86,000,000</b>               | <b>\$89,000,000</b>                  |
| <b>Total Available</b>                | <b>\$131,311,053</b> | <b>\$86,000,000</b>               | <b>\$131,077,740</b>              | <b>\$89,000,000</b>                  |
| <b>Total Expenditures<sup>1</sup></b> | <b>\$86,233,313</b>  | <b>\$86,000,000</b>               | <b>\$131,077,740</b>              | <b>\$89,000,000</b>                  |
| <b>Total Disbursements</b>            | <b>\$86,233,313</b>  | <b>\$86,000,000</b>               | <b>\$131,077,740</b>              | <b>\$89,000,000</b>                  |
| <b>Ending Balance<sup>2</sup></b>     | <b>\$45,077,740</b>  | <b>\$0</b>                        | <b>\$0</b>                        | <b>\$0</b>                           |

<sup>1</sup> In order to account for revenues and expenditures in the proper fiscal year, audit adjustments were reflected as an increase of \$5,213,752.94 to FY 2021 expenditures to record adjustments to expenditure accruals. This impacted the amount carried forward resulting in a decrease of \$5,213,752.94 to the *FY 2022 Revised Budget Plan*. The projects affected by this adjustment were WW-000001, Pumping Station Rehabilitation, WW-000005, Integrated Sewer Metering, WW-000006, Extension and Improvement Projects, WW-000007, Collection System Replacement and Rehab, WW-000008, Force Main Rehabilitation, WW-000009, Noman Cole Treatment Plant Renewal, WW-000020, Arlington WWTP Upgrades and Rehab, WW-000022, Blue Plains WWTP Upgrades and Rehab, WW-000023, Laurel Hill Adaptive Reuse, WW-000024, Sewer Sag Program, WW-000026, Large Diameter Pipe Rehabilitation and Replacement, WW-000028, Gravity Sewers, and WW-000032, Gravity Sewer Capacity Improvements. The Annual Comprehensive Financial Report (ACFR) reflects all audit adjustments in FY 2021. Details of the audit adjustments were found in Attachment VI of the *FY 2022 Mid-Year Review*.

<sup>2</sup> The capital projects in this sewer fund are budgeted based on the total project costs. Most projects span multiple years, from design to construction completion. Therefore, funding for capital projects is carried forward each fiscal year, and ending balances fluctuate, reflecting the carryover of these funds.

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### SUMMARY OF CAPITAL PROJECTS

| Project  | Total Project Estimate | FY 2021 Actual Expenditures | FY 2022 Revised Budget  | FY 2023 Advertised Budget Plan |
|--|------------------------|-----------------------------|-------------------------|--------------------------------|
| Alexandria WWTP Upgrades and Rehab (WW-000021)                 |                        | \$19,700,433.56             | \$541,908.46            | \$0                            |
| Arlington WWTP Upgrades and Rehab (WW-000020)                  |                        | 317,369.00                  | 220,704.00              | 0                              |
| Blue Plains WWTP Upgrades and Rehab (WW-000022)                |                        | 10,629,548.47               | 429,807.47              | 0                              |
| Colfax Gravity Sanitary Sewer Line Project (WW-000027)         |                        | 0.00                        | (1,245,670.00)          | 0                              |
| Collection System Replacement and Rehab (WW-000007)            |                        | 3,248,344.45                | 6,678,699.21            | 3,500,000                      |
| Extension and Improvement Projects (WW-000006)                 |                        | 187,832.92                  | 4,742,468.52            | 0                              |
| Force Main Rehabilitation (WW-000008)                          |                        | 4,353,892.02                | 3,790,585.18            | 0                              |
| Gravity Sewer Capacity Improvements (WW-000032)                |                        | 2,446,471.92                | 23,891,815.30           | 17,700,000                     |
| Gravity Sewers (WW-000028)                                     |                        | 8,510,937.17                | 31,019,189.59           | 15,900,000                     |
| Integrated Sewer Metering (WW-000005)                          |                        | 717,562.79                  | 2,018,085.36            | 0                              |
| Large Diameter Pipe Rehabilitation and Replacement (WW-000026) |                        | 1,642,479.18                | 2,047,105.96            | 700,000                        |
| Laurel Hill Adaptive Reuse (WW-000023)                         | 650,000                | 44,861.03                   | (0.25)                  | 0                              |
| Noman Cole Treatment Plant Renewal (WW-000009)                 |                        | 19,527,617.15               | 33,473,428.32           | 37,000,000                     |
| Pumping Station Rehabilitation (WW-000001)                     |                        | 14,770,494.93               | 18,664,914.75           | 14,200,000                     |
| Robert P. McMath Facility Improvements (WW-000004)             | 2,025,000              | 20,772.07                   | 199,747.09              | 0                              |
| Sewer Sag Program (WW-000024)                                  |                        | 76,774.22                   | 4,021,489.07            | 0                              |
| Wastewater Facility Share (WW-000030)                          | 432,000                | 37,922.09                   | 377,212.41              | 0                              |
| Wastewater Operations & Maintenance (WW-000031)                | 210,000                | 0.00                        | 206,250.00              | 0                              |
| <b>Total</b>   | <b>\$3,317,000</b>     | <b>\$86,233,312.97</b>      | <b>\$131,077,740.44</b> | <b>\$89,000,000</b>            |