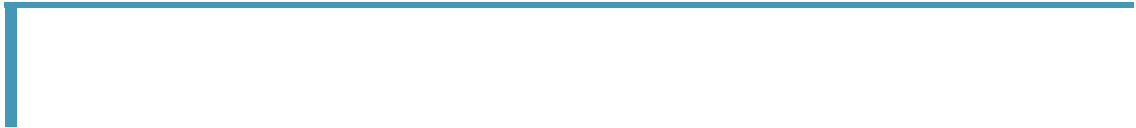




**Dublin San Ramon
Services District**

Water, wastewater, recycled water



Dublin San Ramon Service District
Sewer Cost of Service Study
May 2023



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Ms. Carol Atwood
Administrative Services Director
Dublin San Ramon Services District
7051 Dublin Blvd.
Dublin, California 94568

Subject: Comprehensive Regional and Local Sewer Rate Study

Dear Ms. Atwood:

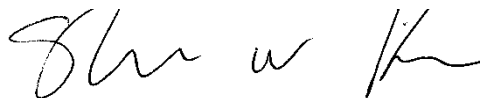
HDR Engineering, Inc. (HDR) is pleased to present the final report on the comprehensive regional and local sewer rate study conducted for the Dublin San Ramon Services District (District). The key objective of this study was to develop regional sewer rates that generate sufficient revenue to fund the regional system operating and capital needs. The regional system is comprised of primarily treatment and transmission that serves both the District's customers and the City of Pleasanton sewer customers.

The study also includes an update to the local sewer fund which is comprised of the District's local collection system serving customers in the District's local service area and does not include the City of Pleasanton. This report outlines the approach, methodology, findings, conclusions and recommendations of the comprehensive rate study process.

The conclusions and recommendations contained within this report provide a financial plan that meets the operating and capital needs of the system. Furthermore, this report provides the basis for developing and implementing regional and local sewer rates that are cost-based and proportional to both regional and local customers.

We appreciate the assistance provided by the District management team and District staff in the development of this study.

Sincerely yours,
HDR Engineering, Inc.

A handwritten signature in black ink, appearing to read 'Shawn Koorn', written in a cursive style.

Shawn Koorn
Associate Vice President



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Executive Summary

Introduction

HDR Engineering, Inc. (HDR) was retained by Dublin San Ramon Services District (District) to perform a comprehensive regional and local Sewer rate study. The purpose of this study is to determine the adequacy of the existing regional and local sewer rates and propose recommended changes to address any revenue shortfalls.

The regional wastewater system (“regional system”) includes the wastewater treatment facilities which serve the District’s regional service area, including southern San Ramon and Dublin, and by contract, the City of Pleasanton. The regional system has a set of standalone funds where regional revenue is collected and regional operating and capital expenses are funded. Separate from the regional system, the District operates the local wastewater collection system (“local system”). The local system is comprised of the collection system which serves the District’s local service area. The District’s local sewer system also has a set of standalone funds where revenue is collected and local collection operating and capital expenses are funded.

As part of this study, the current local and regional rate structures were reviewed. In coordination with District staff, a revised rate structure was developed for the regional commercial, industrial, and institutional customers. The primary change in the regional rate structure was to consolidate the rates for these three customer classes into a single rate structure that has several bands of rates based on the average strength of the wastewater. The residential rate structure was maintained and only the level of regional rate structure was revised. The local rate structure was also reviewed and the proposed rates maintained the current local sewer rate structure and only the level of the local collection rate was adjusted. This report describes the methodology, findings, and conclusions of the regional and local sewer rate study process.

Goals and Objectives

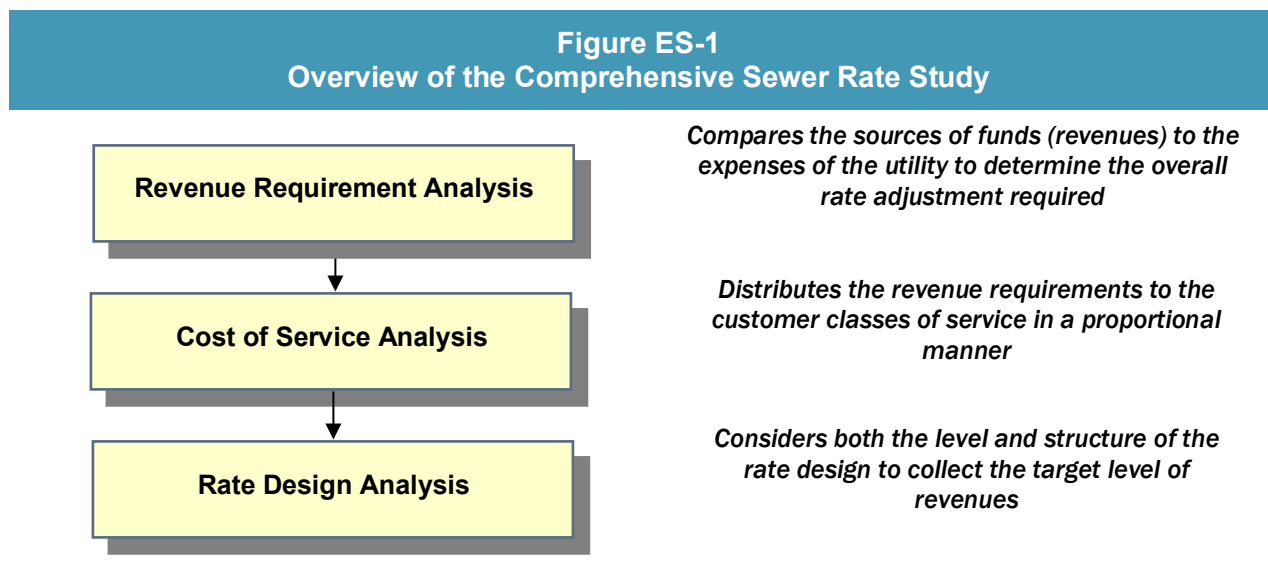
In developing the local and regional sewer rate study, the District had a number of key objectives (shown below), which served to provide a framework for any policy decisions which resulted from the study.

- Develop the study in a manner that is consistent with the principles and methodologies established by the Water Environment Federation (WEF), Manual of Practice No. 27, Financing and Charges for Sewer Systems.
- Review and utilize best industry practices in establishing the District’s regional and local rates, while recognizing and acknowledging the specific and unique characteristics of the District’s regional and local systems.

- Utilize the findings from the District’s rate study to establish cost-based and proportional rates for fiscal year (FY) 2024 through FY 2028.
- Propose rates which do not exceed the proportional cost of providing service to meet the legal requirements of Proposition 218 (Article 13 XII of the California Constitution, approved by voters in 1996).

Study Overview

A comprehensive rate study utilizes three interrelated analyses to address the adequacy and proportionality of a utility’s rates. These three analyses are a revenue requirement, cost of service, and a rate design.



The above comprehensive rate study framework was used to review both the regional and local sewer systems individually.

Key Regional Sewer Study Results

In conducting the comprehensive review of the District's regional sewer rates, the regional sewer system was evaluated on a "stand alone" basis to determine the level of rates needed to adequately fund both operating expenses and capital infrastructure needs. These findings must be balanced against the rate impacts to customers.

Based on the technical analysis, the following findings, conclusions, and recommendations were noted for the regional sewer rate study.

- Rate revenues were calculated and projected using recent customer account and billing data provided by the District. Each customer class was analyzed separately, as well as, between Dublin-San Ramon and City of Pleasanton customers.
- A ten-year revenue requirement analysis was developed for the regional system for FY 2023 through FY 2032. Recommended rate adjustments are proposed based on the cost of service results for FY 2024 and FY 2025. The adjustments are proposed to become effective July 1, 2023 and will maintain the District's regional rates at cost-based levels.
- Distribution factors for the cost of service analysis were based on data and information provided by the District. Further discussion of these assumptions and the resulting allocation factors can be found in the cost of service section later in this report.
- The cost of service indicated cost of service differences between the customer classes of service. This study has proposed that cost of service adjustments be made between the customer classes of service to move to cost-based rates.
- Based on the results of the revenue requirement and cost of service study, proposed rates were developed for FY 2024 through FY 2028.
- Rates were reviewed and restructured to simplify and better reflect the cost of service for each customer class. Specific revisions to the regional sewer rate structure included:
 - Multifamily and Condominium customer classes were combined
 - Commercial, Institutional, and Industrial rates were combined and six new strength level based rates were developed starting at domestic levels through 1,050 milligrams per liter for either suspended solids or biochemical oxygen demand.

A more detailed summary of the comprehensive regional rate study is provided later in the report.

Summary of the Regional Sewer Revenue Requirement Analysis

The District provides regional wastewater treatment directly to the City of Dublin, the southern portion of the City of San Ramon, and also the City of Pleasanton, by contract. The regional sewer revenue requirement analysis sums the regional sewer system's operating and maintenance expenses and reserve fund transfers used for capital project funding and compares it to the total revenues of the system to determine the overall rate adjustment required. District staff updated the revenue requirement based on current budget and customer characteristics. HDR reviewed the revenue requirement as part of the study.

For this study, a revenue requirement analysis was developed for the 10-year period of FY 2023 through FY 2032. It has been the District's policy to conduct routine rate studies to determine the needs for rate adjustments over several years.

For the revenue requirement analysis, a "cash basis" approach was utilized to accumulate the District's costs. This methodology conforms to industry standards and is reflective of the methodology used by the District in past studies. The primary financial inputs in the development of the revenue requirement were the District's Fiscal Year 2022-2023 Operating Budget documents and Capital Improvement Program. Table ES-1 presents a summary of the regional sewer revenue requirement analysis as updated by District staff.

It is important to note the annual deficiencies in Table ES-1 are cumulative. That is, any adjustments in the initial years will reduce the deficiency in the later years. Over the projected ten-year time period, rate revenue needs to be adjusted approximately 32% in order to adequately and properly fund the District's regional sewer system operating, maintenance and capital replacement needs. Once the initial rate revenue adjustments in FY 2024 (6.6%) and FY 2025 (3%) are implemented, future rate adjustments are a function of inflationary assumptions in operating and maintenance expenses. It should also be noted that while Table ES-1 does not include any annual debt service payments, the District is currently obligated to pay Livermore Amador Valley Water Management Agency (LAVWMA) for LAVWMA debt and this cost is shown as an "other expense."

The analysis focused on the proposed rate revenue adjustments for FY 2024 through 2028. Each customer class was adjusted according to its customer class impact on the overall regional sewer system. A further discussion can be found in the cost of service portion of the report.

Table ES-1
Regional System Revenue Requirement (\$000)

| | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Sources of Funds | | | | | | | | | | |
| Rate Revenue | | | | | | | | | | |
| Dublin San Ramon | \$12,214 | \$12,341 | \$12,461 | \$12,637 | \$12,860 | \$13,051 | \$13,150 | \$13,205 | \$13,256 | \$13,313 |
| Pleasanton | 10,606 | 10,606 | 10,694 | 10,781 | 10,868 | 10,968 | 11,068 | 11,167 | 11,268 | 11,369 |
| Miscellaneous Revenue | <u>1,336</u> | <u>1,481</u> | <u>1,506</u> | <u>1,531</u> | <u>1,556</u> | <u>1,583</u> | <u>1,611</u> | <u>1,635</u> | <u>1,651</u> | <u>1,669</u> |
| Total Source of Funds | \$24,156 | \$24,428 | \$24,661 | \$24,949 | \$25,284 | \$25,602 | \$25,829 | \$26,007 | \$26,175 | \$26,351 |
| Applications of Funds | | | | | | | | | | |
| O&M Expenses | | | | | | | | | | |
| Personnel Services | \$8,914 | \$9,334 | \$9,600 | \$9,880 | \$10,152 | \$10,379 | \$10,825 | \$11,304 | \$11,812 | \$12,349 |
| Material & Services | 3,690 | 3,836 | 3,988 | 4,147 | 4,312 | 4,484 | 4,664 | 4,851 | 5,046 | 5,250 |
| Contract Services | 1,620 | 1,668 | 1,719 | 1,770 | 1,823 | 1,878 | 1,934 | 1,992 | 2,052 | 2,114 |
| Other Expenses | 7,301 | 7,534 | 7,775 | 8,026 | 8,288 | 8,560 | 8,844 | 9,139 | 9,446 | 8,550 |
| Debt Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer to Reserves | 1,117 | 1,159 | 1,203 | 1,249 | 1,296 | 1,346 | 1,397 | 1,451 | 1,507 | 1,565 |
| Capital Replacement | <u>2,100</u> | <u>2,400</u> | <u>2,700</u> | <u>3,000</u> | <u>3,300</u> | <u>3,700</u> | <u>4,100</u> | <u>4,500</u> | <u>4,500</u> | <u>4,500</u> |
| Total Application of Funds | \$24,742 | \$25,931 | \$26,984 | \$28,071 | \$29,171 | \$30,347 | \$31,763 | \$33,237 | \$34,362 | \$34,327 |
| Balance/(Deficiency) of Funds | (\$586) | (\$1,503) | (\$2,323) | (\$3,123) | (\$3,887) | (\$4,745) | (\$5,935) | (\$7,230) | (\$8,187) | (\$7,976) |
| Balance as % of Rev from Rates | 2.6% | 6.6% | 10.0% | 13.3% | 16.4% | 19.8% | 24.5% | 29.7% | 33.4% | 32.3% |
| Proposed Revenue Adjustment | 0.0% | 6.6% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% |

Summary of the Regional Sewer Cost of Service Analysis

A cost of service analysis determines the proportional distribution of the regional sewer revenue requirement to the various customer classes. The cost of service considers the individual customer classes of service wastewater flows and strength levels to proportionally distribute the regional sewer operating and capital costs. A summary of the regional sewer cost of service analysis is shown in Table ES-2.

Two key changes resulted from the cost of service analysis:

1. **Non-Residential:** Movement to a single rate structure comprised of rate bands that represent different levels of wastewater strength for commercial, institutional, and industrial customers types. Non-residential customer's cost of service results were used to develop unit cost by volume, Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS). DSRSD-EBMUD Recycled Water Authority (DERWA) and Septic Haulers were not included in the combined non-residential customer class, but instead were calculated individually due to those user's higher strength levels.
2. **Residential:** Combination of multifamily and condominium customer types given their similar strength and flow characteristics.

| Table ES-2 FY 2024 Regional Sewer Cost of Service Results (\$000) | | | | |
|--|-------------------------|----------------------|------------------|-------------|
| | Present Rate Revenue | Distributed Costs | \$ Change | % Change |
| Residential | | | | |
| Single Family/ Townhome | \$13,496 | \$13,198 | \$298 | -2.2% |
| Multifamily/ Condominium | \$4,353 | \$5,445 | (\$1,092) | 25.1% |
| Commercial, Institutional, and Industrial | \$5,026 | \$ | \$637 | -12.7% |
| Special Users | | | | |
| DERWA Internal Backwash | \$50 | \$1,407 | (\$1,357) | 2738.8% |
| A1 Enterprise (Septic) | \$23 | \$12 | \$11 | -48.0% |
| Total System | \$22,947 | \$24,450 | (\$1,503) | 6.6% |

The cost of service analysis results indicate that cost differences exist between the customer classes of service. Based on the results of the cost of service analysis it is proposed that cost of service adjustments be made to establish the FY 2024 rates. Proposed rates were developed for the regional sewer system to reflect the proportional distribution of costs.

Summary of the Regional Rate Design

The final step of the District’s sewer regional rate study is the design of rates to collect the desired levels of revenue, based on the results of the revenue requirement and cost of service analyses. In reviewing the District’s rates, consideration is given to the level of the rates and the structure of the rates. The proposed rates within this report reflect the findings, conclusions and recommendations of the District’s revenue requirement and cost of service analysis.

Table ES-3 provides the proposed bi-monthly regional rates for residential customers. The residential regional rate structure is currently a fixed charge, billed bi-monthly for condominium and multifamily customer types, and included on the property tax roll for single family (with or without second dwelling units), duplex, and townhouse customer types. The only proposed change to the residential rate structure was to set the multifamily and condominium customers to the same rate given the similar flows and strengths of these two customer types.

| Table ES-3 Regional System Residential Sewer Rates | | | | | | |
|---|---------------|----------|----------|----------|----------|----------|
| Customer Class | Current Rates | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 |
| Single Family | \$59.53 | \$58.22 | \$59.97 | \$61.77 | \$63.62 | \$65.53 |
| Townhouse | \$59.53 | \$58.22 | \$59.97 | \$61.77 | \$63.62 | \$65.53 |
| Condominium | \$39.61 | \$44.15 | \$45.47 | \$46.84 | \$48.24 | \$49.69 |
| Duplex | \$119.06 | \$116.44 | \$119.93 | \$123.53 | \$127.24 | \$131.05 |
| Single Family Home with 2nd Dwelling Unit | \$92.67 | \$102.37 | \$105.44 | \$108.60 | \$111.86 | \$115.22 |
| Multifamily | \$33.14 | \$44.15 | \$45.47 | \$46.84 | \$48.24 | \$49.69 |

Commercial, institutional, and industrial rates presently have an individual rate for each customer class. Commercial and industrial rates are based on the customer’s wastewater strength, indicated by “low,” “medium,” and “high” strength categories. For institutional customers, schools with submeters and schools without submeters, it is a volumetric charge based on metered water consumption. The proposed rates for these customers are recommended to be consolidated and replaced with bands representing different wastewater strengths. Each individual customer will be categorized into a specific strength rate band based on the strength of the wastewater. Table ES-4 shows the current rates and the proposed rates.

| Table ES-4 Regional System Non-Residential Sewer Rates | | | | | | |
|---|---|------------|------------|------------|------------|-----------|
| Customer Class | Current Rates | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 |
| Commercial | | | | | | |
| Low - Less than 300 mg/L | \$2.70 | NA | NA | NA | NA | NA |
| Medium - Greater than 300 and less | \$5.43 | NA | NA | NA | NA | NA |
| High - Greater than 600 mg/L | \$7.58 | NA | NA | NA | NA | NA |
| Institutional | | | | | | |
| Institutional | \$2.70 | NA | NA | NA | NA | NA |
| School (submetered) | \$2.07 | NA | NA | NA | NA | NA |
| School (non-submetered) | \$2.70 | NA | NA | NA | NA | NA |
| Industrial | | | | | | |
| A - Less than 1,000 mg/L | \$9.30 | NA | NA | NA | NA | NA |
| B - Between 1,000 and 1,500 mg/L | \$11.69 | NA | NA | NA | NA | NA |
| C - Greater than 1,500 mg/L | \$14.09 | NA | NA | NA | NA | NA |
| Commercial/Institutional/Industrial | | | | | | |
| Less than or equal to 300 mg/L | NA | \$3.29 | \$3.39 | \$3.49 | \$3.60 | \$3.71 |
| Between 300 and 450 mg/L | NA | \$4.20 | \$4.33 | \$4.46 | \$4.59 | \$4.73 |
| Between 450 and 600 mg/L | NA | \$5.12 | \$5.27 | \$5.43 | \$5.59 | \$5.76 |
| Between 600 and 750 mg/L | NA | \$6.03 | \$6.21 | \$6.39 | \$6.58 | \$6.78 |
| Between 750 and 900 mg/L | NA | \$6.94 | \$7.15 | \$7.36 | \$7.58 | \$7.81 |
| Between 900 and 1,050 mg/L | NA | \$7.85 | \$8.08 | \$8.33 | \$8.58 | \$8.83 |
| Greater than 1,050 mg/L | To Be Determined by the District on an Individual Calculation | | | | | |
| DERWA | | | | | | |
| \$/Connection | \$6.65 | NA | NA | NA | NA | NA |
| Demand (\$/MG) | \$125.90 | \$3,888.52 | \$4,005.18 | \$4,125.33 | \$4,249.09 | \$4,376.5 |
| BOD (\$/lb) | \$0.0579 | \$0.3549 | \$0.3655 | \$0.3765 | \$0.3878 | \$0.3994 |
| TSS (\$/lb) | \$0.0194 | \$0.7164 | \$0.7379 | \$0.7600 | \$0.7828 | \$0.8063 |
| Septic Haulers (A1 Enterprises | \$0.0690 | \$0.0358 | \$0.0369 | \$0.0380 | \$0.0391 | \$0.0403 |

The change in the proposed rates for commercial, institutional, and industrial recognizes that most of the customers in those classes had strength levels less than 1,000 mg /l and there was a minimal difference between a unit of commercial wastewater and a unit of industrial wastewater. It was also determined that the revision to the rate structure would provide a more equitable approach to establishing rates for these customers given the proposed rates will provide a better representation of the differing levels of strength between these customers.

The DERWA rate structure was modified to eliminate the monthly connection charge while retaining the demand, BOD and TSS charges which have been adjusted to reflect the results of the cost of service study. The septic hauler rate structure was maintained and the level of the rate adjusted to reflect the cost of service analysis.

As a point of reference, the proposed inflationary rates after FY 2024 will be set based on the actual change in the San Francisco/Hayward CPI based on the change in the February index of the current year to the prior year. The regional sewer rates, as proposed herein, are cost-based and proportional and were developed using generally accepted rate making methods and principles. The proposed rates should enable the District's regional sewer system to operate in a financially sound and prudent manner.

Key Local Sewer Study Results

The process used to conduct the comprehensive review of the District's local sewer rates, was similar to the regional sewer system in that it was based on industry standard approaches and evaluated on a "stand alone" basis to determine the level of rates needed to adequately fund both operations and maintenance, and transfer payments for capital infrastructure. These findings must be balanced against the rate impacts to customers.

Based on the technical analysis undertaken as part of this study, the following findings, conclusions, and recommendations were noted for the local sewer system.

- Rate revenues were calculated and projected from recent customer and billing data provided by the District for each customer class of service.
- A revenue requirement analysis was developed for the local sewer system for FY 2023 – FY 2032. Recommended rate adjustments were made using cost of service results for FY 2024 through 2028.
- Adjustments are proposed to become effective July 1, 2023 and will move the District's local sewer rates to a more cost-based level.
- Cost of service analysis distribution factors were based on data and information provided by the District. Due to the nature of the system, the analysis was less complicated than the regional system as costs are primarily incurred based on the volume of the wastewater, (unlike the regional system which includes wastewater strength considerations).
- The analysis indicated cost of service differences between the various customer classes. This study proposes that cost of service adjustments be made between the various customer classes to move towards cost-based rates.
- Based upon the results of the revenue requirement and cost of service study, proposed rates were developed for FY 2024 through FY 2028.

- Rates for the local sewer system need to be grouped in the same way as the regional system so that the local and regional system rate can be coupled and charged to the District's customers. Like the regional system the rates were restructured to simplify the rates. Specific changes to the rate included:
 - Multifamily and Condominiums were combined
 - Commercial, institutional, and Industrial rates were combined.

Summary of the Local Sewer Revenue Requirement Analysis

The sewer revenue requirement analysis sums the local sewer system's operating and maintenance expenses and capital funding needs and compares it to the total revenues of the system to determine the overall rate adjustment required. District staff updated the revenue requirement based on current FY 2023 budget and customer characteristics. HDR reviewed the revenue requirement as part of the study.

A revenue requirement analysis was developed for a projected 10-year period of FY 2023 through FY 2032. It has been the District's policy to conduct regular rate studies to determine the needs for rate adjustments over several years. A cash basis approach was utilized to accumulate the District's costs. This methodology conforms to industry standards and is reflective of the methodology used by the District in past studies. The primary financial inputs in the development of the revenue requirement were the District's Fiscal Year 2022-2023 Operating Budget documents and Capital Improvement Program. Table ES-5 provides a summary of the local system revenue requirement analysis as updated by District staff.

Table ES-5
Local System Revenue Requirement (\$000)

| | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|
| Sources of Funds | | | | | | | | | | |
| Rate Revenue | | | | | | | | | | |
| Dublin San Ramon | \$4,408 | \$4,493 | \$4,573 | \$4,692 | \$4,842 | \$4,970 | \$5,036 | \$5,073 | \$5,107 | \$5,144 |
| Miscellaneous Revenue | <u>336</u> | <u>468</u> | <u>481</u> | <u>277</u> | <u>329</u> | <u>332</u> | <u>294</u> | <u>294</u> | <u>294</u> | <u>294</u> |
| Total Source of Funds | \$4,744 | \$4,961 | \$5,054 | \$4,968 | \$5,170 | \$5,302 | \$5,330 | \$5,367 | \$5,400 | \$5,438 |
| Applications of Funds | | | | | | | | | | |
| O&M Expenses | | | | | | | | | | |
| Personnel Services | \$2,260 | \$3,320 | \$3,420 | \$3,525 | \$3,629 | \$3,720 | \$3,881 | \$4,054 | \$4,237 | \$4,431 |
| Material & Services | 88 | 91 | 94 | 97 | 100 | 103 | 106 | 109 | 113 | 117 |
| Contract Services | 379 | 390 | 402 | 414 | 426 | 439 | 452 | 466 | 480 | 494 |
| Other Expenses | 846 | 871 | 897 | 924 | 952 | 981 | 1,010 | 1,040 | 1,072 | 1,104 |
| Debt Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer to Reserves | 111 | (199) | 122 | 128 | 135 | 142 | 149 | 156 | 164 | 172 |
| Capital Replacement | <u>800</u> | <u>800</u> | <u>800</u> | <u>800</u> | <u>800</u> | <u>1,200</u> | <u>1,200</u> | <u>1,200</u> | <u>1,200</u> | <u>800</u> |
| Total Application of Funds | \$4,484 | \$5,274 | \$5,736 | \$5,889 | \$6,042 | \$6,584 | \$6,798 | \$7,026 | \$7,265 | \$7,118 |
| Balance/(Deficiency) of Funds | \$260 | (\$314) | (\$681) | (\$921) | (\$872) | (\$1,282) | (\$1,468) | (\$1,659) | (\$1,865) | (\$1,680) |
| Balance as % of Rev from Rates | -5.9% | 7.0% | 14.9% | 19.6% | 18.0% | 25.8% | 29.1% | 32.7% | 36.5% | 32.7% |
| Proposed Revenue Adjustment | 0.0% | 7.0% | 7.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% |

The revenue requirement sums the District’s direct and indirect operating expenses, collection costs, debt service, and capital improvement projects. The total revenue requirement is then compared to the total sources of funds, which includes the rate revenues, at present rate levels, and other miscellaneous revenues. From this comparison a balance or deficiency of funds can be determined. This balance or deficiency of funds is then compared to the rate revenues to determine the level of rate adjustment needed to meet the revenue requirement.

As can be seen, over the time period reviewed, rate adjustments will be necessary to fund the long-term operating and capital needs of the local sewer system. In reviewing the projections, it is recommended that annual adjustments of 7% for the next two years, followed by annual inflationary increases over the following years. A more detailed discussion of the revenue requirement is provided in Section 3 of this report. For illustrative purposes, annual inflation has been calculated at 3% annually for years 2026, 2027 and 2028. Annually, the proposed rates after FY 2025 will be set based on the actual change in the San Francisco/Hayward CPI based on the change in the February index of the current year to the prior year.

Summary of the Local Sewer Cost of Service Analysis

A cost of service analysis determines the proportional distribution of the local sewer revenue requirement to the customer classes of service, primarily based on the individual customer classes of service wastewater.

The local system cost of service analysis is not as complicated as the regional system cost of service analysis. The local system does not have a treatment component, thus wastewater strength is not a distinguishing factor. The allocation of costs were mostly volume based while a smaller component was allocated based on the number of customers. Since wastewater strength is not a factor in the cost of service there is no distinction between the different commercial, institutional, and industrial customer classes, so they were combined into a single “non-residential” category. Given the customer characteristics of each customer class, the previously developed revenue requirement for FY 2024 was proportionally distributed to the customer classes of service. A summary of the sewer cost of service analysis is shown in Table ES-6.

| Table ES-6 Local Sewer Cost of Service Results (\$000) | | | | |
|---|-------------------------|-----------------|----------------|-------------|
| | Present Rate Revenue | Allocated Costs | \$ Change | % Change |
| Residential | | | | |
| Single Family | \$2,632 | \$2,785 | (\$153) | 5.8% |
| Multifamily | 1,285 | 1,415 | (130) | 10.1% |
| Non-Residential | \$576 | \$606 | (\$30) | 5.2% |
| System Total | \$4,493 | \$4,806 | (\$314) | 7.0% |

The cost of service analysis results indicate that cost differences exist between the various

customer classes of service. Based upon the results of the cost of service analysis it is proposed that cost of service adjustments be made to establish the FY 2024 rates. Section 4 of this report provides a more detailed summary of the development of the cost of service analysis.

Summary of the Local Rate Design

The final step of the District’s local sewer rate study is the design of sewer rates to collect the desired levels of revenue, based on the results of the revenue requirement and cost of service analyses. In reviewing the District’s rates, consideration is given to the level of the rates and the structure of the rates. The proposed rates within this report reflect the findings, conclusions and recommendations of the District’s revenue requirement and cost of service analyses.

Table ES-7 provides the local sewer rates. The residential rate structure is currently a fixed charge for both local and regional rates, billed bi-monthly for condominium and multifamily customer types, and included on the property tax roll for single family, duplex, and townhouse customer types. Based on the cost of service analysis, the residential customer’s rates reflect the overall costs placed on the system. Non-residential rates, or commercial, institutional, and industrial rates are charged per unit of water consumed, which is also proposed to remain the same. Table ES-7 shows the current and proposed rates for the local system. As a point of reference, the proposed rates after FY 2025 will be set based on the actual change in the San Francisco/Hayward CPI based on the change in the February index of the current year to the prior year.

| Table ES-7 Local System Residential Sewer Rates | | | | | | |
|--|---------------|---------|---------|---------|---------|---------|
| Customer Class | Current Rates | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 |
| Residential | | | | | | |
| Single Family | \$23.09 | \$24.36 | \$26.06 | \$26.85 | \$27.65 | \$28.48 |
| Townhouse | \$23.09 | \$24.36 | \$26.06 | \$26.85 | \$27.65 | \$28.48 |
| Condominium | \$17.32 | \$17.83 | \$19.07 | \$19.65 | \$20.23 | \$20.84 |
| Duplex | \$46.18 | \$48.72 | \$52.13 | \$53.69 | \$55.30 | \$56.96 |
| Single Family Home with 2nd Dwelling Unit | \$38.17 | \$42.18 | \$45.14 | \$46.49 | \$47.89 | \$49.32 |
| Multifamily | \$15.08 | \$17.83 | \$19.07 | \$19.65 | \$20.23 | \$20.84 |
| Non-Residential (\$/CCF) | | | | | | |
| | \$1.23 | \$1.29 | \$1.38 | \$1.42 | \$1.46 | \$1.51 |

Summary

The above summary is the culmination of an extensive effort by the District and HDR Engineering to develop a comprehensive review of the regional and local sewer rates. The recommendations and proposed rates contained herein are intended to provide a prudent level of funding for the regional and local systems while providing proportional and cost-based rates for each system.

1 Introduction

The Dublin San Ramon Services District (District) retained HDR Engineering, Inc. (HDR) to perform a comprehensive sewer rate study for its regional and local sewer systems. A comprehensive rate study is used to determine the adequacy of the existing regional and local sewer rates and provide the basis for adjustments to the rates. This report describes the methodology, findings, conclusions, and recommendations of sewer rate study.

The study determined whether existing regional and local sewer rates are adequate to meet the utility's operating and capital requirements with revenues received from customers. Rates set too low may result in insufficient funds to maintain system integrity. The study provides a basis for making rate adjustments; as well as, addressing the proportionality of current regional and local sewer rates. Each system, regional and local, was reviewed and analyzed on a "stand-alone" financial basis.

1.1 Goals and Objectives

The District had a number of key objectives in developing the regional and local sewer rate study. These key objectives were as follows:

- Develop the study in a manner that is consistent with the principles and methodologies established by the Water Environment Federation (WEF), Manual of Practice No. 27, Financing and Charges for Sewer Systems.
- Review and utilize best industry practices, while recognizing and acknowledging the specific and unique characteristics of the District's regional and local systems.
- Utilize the findings from the District's rate study to establish cost-based and proportional regional and local rates for FY 2024 through 2028.
- Provide rates which do not exceed the reasonable cost of providing the service to meet the legal requirements of Proposition 218 (California Constitution Article 13D).

"This study determined the adequacy of the existing regional sewer rates and provides the framework for any needed future adjustments."

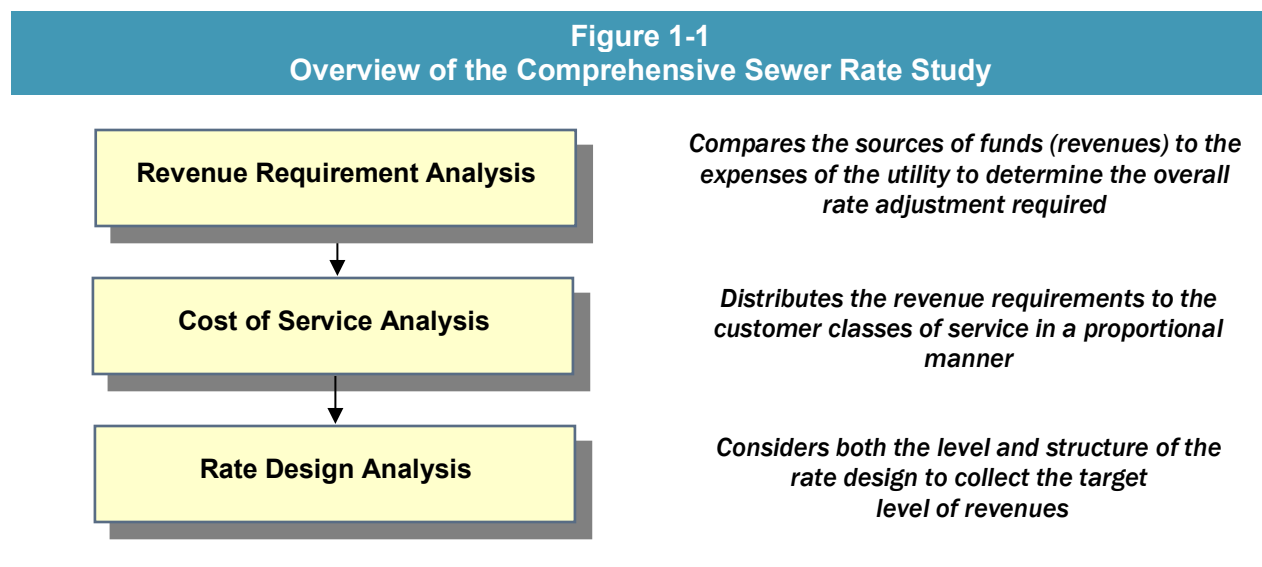
These key goals and objectives for the study provided a framework for the technical analysis that follows.

1.2 Overview of the Rate Study Process

User rates must be set at a level where a utility's operating and capital expenses are met with the revenues received from customers. This is an important point, as failure to achieve this objective may lead to insufficient funds to maintain system integrity. In addition, the District

must meet the requirements of Proposition 218. To accomplish this, a comprehensive sewer rate study is performed. Provided below in Figure 1-1 is an overview of the key analyses undertaken.

A comprehensive rate study consists of three interrelated analyses which includes a revenue requirement, cost of service, and rate design analysis. Figure 1-1 provides an overview of these analyses.



As a point of reference, each of these analyses was completed for both the regional treatment system and the local collection system. The revenue requirement analysis is concerned with the overall funding sources and expenses of the utility. From this analysis, a determination can be made as to the overall level of adjustment to rates for each system. Next, a cost of service analysis is performed to proportionally distribute the revenue requirement of each system to the customer served (e.g., residential, commercial) for each system. Finally, given an overall level of rate adjustment and the proportional distribution of the costs between the customer classes of service, the last step of the rate study process in the design of rates is to collect the appropriate level of revenues while considering other rate design goals and objectives of the utility (e.g., revenue stability, cost based).

In developing this review of the regional and local sewer systems, HDR utilized generally accepted cost of service and rate setting techniques.

1.3 Report Organization

This report is organized as follows:

- Section 2 provides background information about the utility rate setting process.
- Section 3 reviews the development of the revenue requirement analysis for each system.
- Section 4 reviews the development of the cost of service analysis for each system.
- Section 5 reviews the development of the proposed rates for each system.

A technical appendix is attached at the end of the report which provides the analysis used in the preparation of this report.

1.4 Summary

This report will review the comprehensive regional and local sewer rate analysis prepared for the Dublin San Ramon Services District. This report was developed with assistance from District management and staff and has been developed utilizing generally accepted sewer rate setting methodologies.

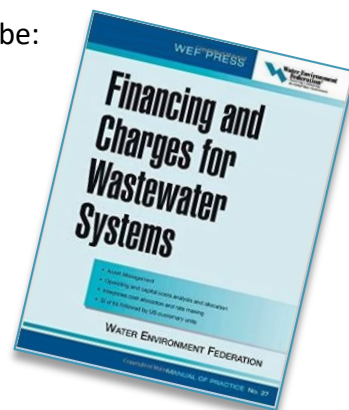
This section of the report provides background information about the sewer rate setting process, including descriptions of generally accepted principles, methods of determining a revenue requirement and designing rates. This information is useful for gaining a better understanding of the details presented in Sections 3, 4, and 5.

2.1 Generally Accepted Rate Setting Principles

As a practical matter, utilities should consider setting their rates around some generally accepted or global principles and guidelines. For sewer utilities, the source for these generally accepted or global principals is contained in the Water Environment Federation (WEF) Manual of Practice No. 27, *Financing and Charges for Wastewater Systems*.

In general, and paraphrased from the WEF manual, utility rates should be:

- Cost-based, proportional, and set at a level that meets the utility's full revenue requirement.
- Easy to understand and administer.
- Designed to conform with “generally accepted” rate setting techniques.
- Stable in their ability to provide adequate revenues for meeting the utility's financial, operating, and regulatory requirements.
- Established at a level that is stable from year-to-year from a customer's perspective.



The above global principles have been used by the District to establish their rates in the past and are utilized in the current study.

2.2 Determining The Revenue Requirement

Most public utilities, such as the District, use the cash basis¹ approach for establishing their revenue requirement and setting rates. This approach conforms to most public utility budgetary requirements and the calculation is easy to understand. A public utility totals its cash expenditures for a period of time to determine required revenues. The revenue requirement for a public utility is usually comprised of the following costs or expenses:

¹ Cash basis as used in the context of rate setting is not the same as the terminology used for accounting purposes and recognition of revenues and expenses. As used for rate setting, cash basis simply refers to the specific cost components to be included with the revenue requirement analysis

- Operation and maintenance (O&M) expenses which typically includes the materials, electricity, labor, supplies, etc. needed to keep the utility functioning.
- Taxes and/or Transfers, either state or utility taxes, or transfers to another fund.
- Annual debt service payments (principal and interest) which have been used to fund capital improvements. For the District, the annual debt service payments are funded through the capital replacement and expansion funds.
- Capital improvements financed with rate revenues, which also can reflect annual depreciation expense to stabilize the annual revenue requirement.

Under the cash basis approach, the sum of the total operating expenses plus the total capital expenses equals the utility's revenue requirement during any selected period of time (historical or projected).

Note that the two portions of the capital expense component (debt service and capital improvements financed from rates) are necessary under the cash basis approach because utilities generally cannot finance all their capital facilities with long-term debt. An exception occurs if a public utility provides service to a wholesale or contract customer. In this situation, a public utility could use the "utility basis" approach (see below) to earn a fair return on its investment.

Table 2-1 provides an overview of the cash basis and utility basis revenue requirement methodology.

| Table 2-1 Cash versus Utility Basis Comparison | | | |
|---|---|-------------------------|----------------------------|
| Cash Basis | | Utility Basis (Accrual) | |
| + | O&M Expense | + | O&M Expense |
| + | Taxes or Transfer Payments | + | Taxes or Transfer Payments |
| + | Capital Improvements Financed with Rate Revenues (\geq Depreciation Expense) | + | Depreciation Expense |
| + | Debt service (Principal + Interest) | + | Return on Rate Base |
| = | Total Revenue Requirement | = | Total Revenue Requirement |

2.3 Cost of Service Analysis

After the total revenue requirement is determined, it is proportionally distributed to the users of the service. The distribution, analyzed through a cost of service study, reflects the cost relationships for producing and delivering sewer services.

A cost of service study requires three steps:

1. Costs are **functionalized** or grouped into the various cost categories related to providing service (e.g., treatment, pumping, etc.). This step is largely accomplished by the utility's accounting system.
2. The functionalized costs are then **allocated** to specific cost components. Allocation refers to the arrangement of the functionalized data into cost components. For example, a sewer utility's costs are typically classified as volume²-, biochemical oxygen demand (BOD)³-, suspended solids (SS)⁴, and/or customer-related.
3. Once the costs are allocated into components, they are **distributed** to the customer classes of service (residential, commercial, industrial). The distribution is based on each customer class's relative contribution to the specific cost component. For example, customer-related costs are distributed to each class of service based on the total number of customers in that class of service. Once costs are distributed, the necessary revenues for achieving cost-based rates can be determined.

2.4 Designing Sewer Rates

Rates that meet the utility's objectives are designed based on both the revenue requirement and the cost of service analysis. This approach results in rates that are strictly cost-based and does not consider other non-cost based goals and objectives (economic development, ability to pay, revenue stability, etc.). In designing final proposed rates, factors such as ability to pay, continuity of past rate philosophy, economic development, ease of administration, and customer understanding may be taken into consideration. However, the proposed rates must meet the requirements of California Constitution article XIII D, section 6 (Proposition 218).

2.5 Summary

This section of the report has provided a brief introduction to the general principles, techniques, and economic theory used to set the regional and local sewer rates. These principles and techniques will become the basis for the District's regional and local sewer rate analysis. The next section of this report will review the development of the revenue requirements for the District's regional and local sewer system.

² Volume refers to the amount of wastewater discharged.

³ BOD is the amount of [dissolved oxygen](#) that must be present in water [in order](#) for [microorganisms](#) to [decompose](#) the [organic](#) matter in the wastewater.

⁴ TSS is the entire amount of organic and inorganic particles dispersed in wastewater.

This section describes the development of the revenue requirement analysis for District's regional and local sewer systems. The revenue requirement analysis is the first analytical step in the sewer rate study process. This analysis determines the adequacy of the overall wastewater rates. From this analysis, a determination can be made as to the overall costs of each system and the level of rate adjustments needed to provide prudent funding for both operating and capital needs of each system. Typically, one of the main objectives of a rate study is to develop cost-based and proportional rates while attempting to minimize the impacts to each utility's customers.

The development of the revenue requirement analysis was completed by District staff. HDR developed a rate model for use by the District to review or set future rates. This model was updated by District staff to include current revenues and expenses, customer characteristics (number of customers, water consumption, etc.), and capital funding assumptions. HDR then reviewed the revenue requirement and worked with District staff to develop the final revenue and rate projections.

3.1 Determining the Revenue Requirement

The District essentially has two systems for its sewer system - the regional system that includes the conveyance and treatment of wastewater for the District and the City of Pleasanton, and the local system that is the collection system for the District customers. Each of these two systems must "stand on its own" and be properly funded. The District has separate funds for the operating and capital funds for each system. As a result, there are two revenue requirement analyses, a regional analysis and a local analysis. Each of these analyses, as developed herein, assumes the full and proper funding needed to operate and maintain the District's two sewer systems on a financially sound and prudent basis. While the regional and local systems are independent from another, the methodology, approach, and timing are the same for the revenue requirement analysis.

"... there are two revenue requirement analyses, a regional analysis and a local analysis. Each of these analyses, as developed herein, assumes the full and proper funding needed to operate and maintain the District's two sewer systems ..."

Provided below is a more detailed discussion of the development of the revenue requirement analyses as developed by District staff and reviewed by HDR for the regional and local systems.

3.1.1 Establishing a Time Frame

The first step in calculating the revenue requirement for the District's regional and local sewer utility was to establish a time frame for the revenue requirement analysis. For this study, the

revenue requirement was developed for the ten-year period of FY 2023 through FY 2032. Reviewing a multi-year time period is recommended in an attempt to identify any major expenses that may be on the horizon. By anticipating future financial requirements, the District can begin planning for these changes sooner, thereby, minimizing short-term rate impacts and rates over the long-term. For purposes of establishing proposed rates, the first five year period (FY 2024 – FY 2028) is the focus.

3.1.2 Method of Accumulating Costs

The second step in determining the revenue requirement was to decide on the basis of accumulating costs. Similar to previous studies completed for the District, the revenue requirement analysis utilized a cash basis approach for both the regional and local systems. Table 3-1 provides a summary of the District’s cash basis approach and cost components used to develop the District’s sewer revenue requirements.

**Table 3-1
Overview of the District’s Cash Basis Revenue Requirement**

| | |
|---|---|
| + | Operation and Maintenance Expenses |
| | ✓ Personnel Expenses |
| | ✓ Treatment/Collection Expenses |
| | ✓ Other Non-Personnel O&M Expenses |
| + | Debt Service (P + I) – Existing and Future |
| + | <u>Capital Improvement Funding Analysis</u> |
| = | Total Revenue Requirement |
| - | <u>Miscellaneous Revenues</u> |
| = | Net Revenue Requirement (Balance Required from Rates) |

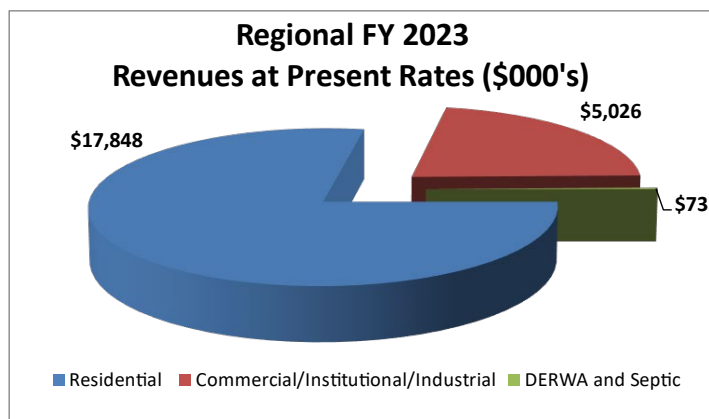
The revenue requirement developed for the District was “customized” to follow the District’s system of accounts (e.g., adopted Operating Budget) and contained the cash basis cost components. Given a time period around which to develop the revenue requirement and a method to accumulate the costs; the focus shifts to the development and projection of the revenues and expenses of the District’s regional and local sewer systems.

3.2 Regional Sewer Revenue Requirement

3.2.1 Projection of Regional Revenue

The next step in developing the revenue requirement for the District was to develop a projection of rate revenues. For this study District staff provided billing units for FY 2021 to which the FY 2022 and FY 2023 rates were applied to estimate the revenue for those years. Revenue beyond FY 2023, through FY 2032, were projected using customer growth factors developed in discussion

with the District. These factors, on average, were approximately 1% to 3% for the District and just short of 1% for City of Pleasanton. In total, District revenues range from \$12.2 million in FY 2023 to \$13.3 million in FY 2032. City of Pleasanton revenues range from \$10.6 million in FY 2018 to \$11.4 million in FY 2032.

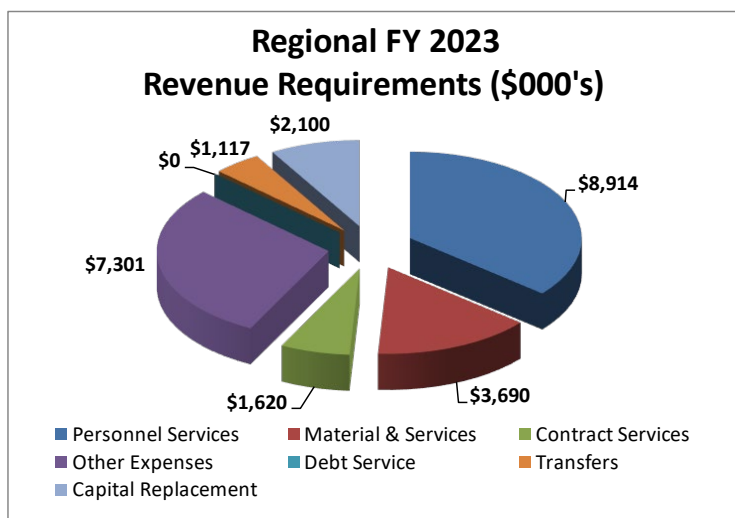


In addition to rate revenues, the District receives additional revenues from other sources such as interest income and miscellaneous fees. The total amount of miscellaneous revenues is projected to be approximately \$1.3 million for FY 2023 and escalating to \$1.7 million in 2032. As a point of reference, nearly half of the miscellaneous revenue is from lab fees and energy offsets.

3.2.2 Projection of Regional O&M Expenses

Operation and maintenance (O&M) expenses are incurred by the District to treat the wastewater flows from the District's customers. O&M expenses are expensed during the current year and are not capitalized or amortized over an extended period of years.

Based on the development of the prior rate models, District staff updated the regional revenue requirement for this study. The adopted budget for FY 2023 is the starting point for the analysis. The projected O&M expenses beyond FY 2023 were escalated using an appropriate escalation factor for the type of cost being reviewed. The majority of escalation factors ranged from 3% to 5% per year, except for medical benefits which was 10% and PERS/Retirement which was 5% during the analysis period. This higher than average escalation is a factor of increasing medical and retirement benefit costs being experienced by the District. The exception to these projections were specific costs for FY 2024 that were updated based on the current budget projections for staffing levels. All other expenses were escalated at historical inflationary levels. The total projected sewer O&M expense ranged from \$21.5 million in FY 2023 increasing to \$28.2 million in FY 2032.



3.2.3 Projection of Capital Replacement Funding

Given the projection of O&M expenses, the next area of costs to be included within the District's revenue requirement is capital costs. In the District's analysis capital funding is shown as transfers to the replacement reserves that in turn fund capital projects. For this analysis period no transfers were needed to fund the expansion fund since it has sufficient projected reserves to fund expansion projects. The expansion fund receives funding from the regional connection fees. Transfers to the replacement fund ranged from \$2.1 million in FY 2023 and increased steadily to \$4.5 million in FY 2032.

3.2.4 Projection of Debt Service

The District does not currently have outstanding debt related to the regional sewer system. The District is obligated to fund LAVWMA debt for LAVWMA, which is included as an "other expense" under O&M expenses. Therefore, no annual debt service payment is included within the individual components of the revenue requirement analysis (i.e., when compared to the generally accepted "cash basis" methodology).

3.2.5 Summary of the Regional Sewer Revenue Requirement

Given the District's projection of O&M expenses and capital needs, the regional revenue requirement was summarized. Presented below in Table 3-2 is the District's projected 10 year regional revenue requirement for FY 2023 through FY 2032.

Table 3-2
Regional System Revenue Requirement (\$000)

| | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Sources of Funds | | | | | | | | | | |
| Rate Revenue | | | | | | | | | | |
| Dublin San Ramon | \$12,214 | \$12,341 | \$12,461 | \$12,637 | \$12,860 | \$13,051 | \$13,150 | \$13,205 | \$13,256 | \$13,313 |
| Pleasanton | 10,606 | 10,606 | 10,694 | 10,781 | 10,868 | 10,968 | 11,068 | 11,167 | 11,268 | 11,369 |
| Miscellaneous Revenue | <u>1,336</u> | <u>1,481</u> | <u>1,506</u> | <u>1,531</u> | <u>1,556</u> | <u>1,583</u> | <u>1,611</u> | <u>1,635</u> | <u>1,651</u> | <u>1,669</u> |
| Total Source of Funds | \$24,156 | \$24,428 | \$24,661 | \$24,949 | \$25,284 | \$25,602 | \$25,829 | \$26,007 | \$26,175 | \$26,351 |
| Applications of Funds | | | | | | | | | | |
| O&M Expenses | | | | | | | | | | |
| Personnel Services | \$8,914 | \$9,334 | \$9,600 | \$9,880 | \$10,152 | \$10,379 | \$10,825 | \$11,304 | \$11,812 | \$12,349 |
| Material & Services | 3,690 | 3,836 | 3,988 | 4,147 | 4,312 | 4,484 | 4,664 | 4,851 | 5,046 | 5,250 |
| Contract Services | 1,620 | 1,668 | 1,719 | 1,770 | 1,823 | 1,878 | 1,934 | 1,992 | 2,052 | 2,114 |
| Other Expenses | 7,301 | 7,534 | 7,775 | 8,026 | 8,288 | 8,560 | 8,844 | 9,139 | 9,446 | 8,550 |
| Debt Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfers to Reserves | 1,117 | 1,159 | 1,203 | 1,249 | 1,296 | 1,346 | 1,397 | 1,451 | 1,507 | 1,565 |
| Capital Replacement | <u>2,100</u> | <u>2,400</u> | <u>2,700</u> | <u>3,000</u> | <u>3,300</u> | <u>3,700</u> | <u>4,100</u> | <u>4,500</u> | <u>4,500</u> | <u>4,500</u> |
| Total Application of Funds | \$24,742 | \$25,931 | \$26,984 | \$28,071 | \$29,171 | \$30,347 | \$31,763 | \$33,237 | \$34,362 | \$34,327 |
| Balance/(Deficiency) of Funds | (\$586) | (\$1,503) | (\$2,323) | (\$3,123) | (\$3,887) | (\$4,745) | (\$5,935) | (\$7,230) | (\$8,187) | (\$7,976) |
| Balance as % of Rev from Rates | 2.6% | 6.6% | 10.0% | 13.3% | 16.4% | 19.8% | 24.5% | 29.7% | 33.4% | 32.3% |
| Proposed Rate Adjustment | 0.0% | 6.6% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% |

In summary form, the revenue requirement has summed the District’s regional O&M expenses and capital funding needs. The total revenue requirement is then compared to the total sources of funds, which includes the rate revenues, at present rate levels, and other miscellaneous revenues. From this comparison a balance or deficiency of funds can be determined. This balance or deficiency of funds is then compared to the rate revenues to determine the level of rate adjustment needed to meet the revenue requirement.

In viewing Table 3-2, it should be noted that the deficiencies shown are cumulative and compared to the current level of revenues received by the District. In other words, the cumulative deficiency of approximately \$7.9 million in FY 2032 is a function of the existing rates and no assumed adjustments to rates over time. Any adjustment to rates in the initial years will reduce the deficiency in the following years.

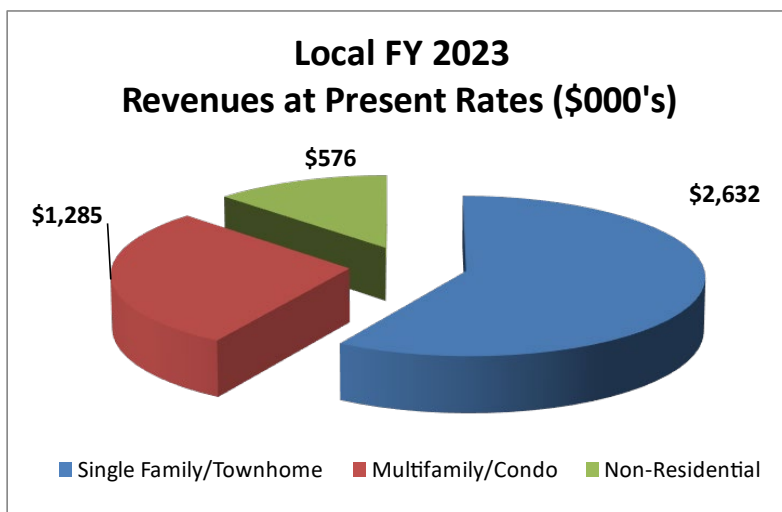
In reviewing the overall revenue and needs of the District, HDR and District staff reviewed the need for a rate transition plan to sufficiently fund the needs of the District. To meet these financial needs, it is proposed that the District adjust revenues, regional rates, annually based on actual inflationary levels following the FY 2024 increase of 6.6% and FY 2025 increase of 3%. For each year after FY 2025, the District will adjust rates based on the actual increase in costs based on the change in the San Francisco/Hayward CPI based on the change in the February index of the current year to the prior year as part of the budget process. For purposes of the study, the inflationary assumption is 3.0% annually in FY 2026 through FY 2028.

3.3 Local Sewer System Revenue Requirement

3.3.1 Projection of Local Revenue

Similar to the development of the regional revenue requirement, the next step in developing the local revenue requirement for the District was to develop a projection of local rate revenues. As a point of reference, the local revenue requirement does not include revenue from the City of Pleasanton, only District customers. For this study District staff provided billing units for FY 2021 to which the FY 2022 and FY 2023 rates were applied to

estimate the revenue for those years. Revenue beyond FY 2023 and through FY 2032 were projected using customer growth factors provided by the District. These factors, on average, were approximately 1% to 3% for the District. In total, local revenues range from \$4.4 million in FY 2023 to \$5.1 million in FY 2032.

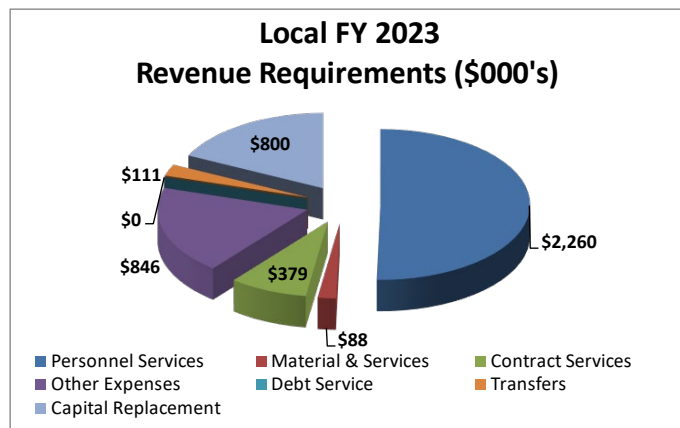


In addition to rate revenues the District receives additional revenues from other sources such as interest income and miscellaneous fees. The total amount of miscellaneous revenues is projected to be approximately \$340,000 for FY 2023 and \$294,000 in FY 2032. Nearly a quarter of the miscellaneous revenue is from general inspections and plan check fees. General inspection fees are projected to decline in future years which is why the total miscellaneous revenue declines to \$294,000 in FY 2032.

3.3.2 Projection of Local Sewer O&M Expenses

Operation and maintenance (O&M) expenses are incurred by the District to maintain and operate the District's local collection system which is what connects the local customers to the regional conveyance and treatment system. O&M expenses are expensed during the current year and are not capitalized or amortized over an extended period of years.

As with the regional study, District staff updated the local revenue requirement analysis for this study. Budgeted expenses were used for FY 2023. The projected O&M expenses beyond FY 2023 were escalated using an appropriate escalation factor for the type of cost being reviewed. Like the regional revenue requirement, the majority of escalation factors ranged from 3% to 5% per year, except for medical benefits at 10% and



PERS/Retirement which was 5% during the analysis period. This higher than average escalation is a factor of increasing medical and retirement benefit costs being experienced by the District. Local O&M expenses for FY 2024 were updated to reflect current budget projections for FY 2024 reflecting increases in staffing to maintain current service levels. All other expenses were escalated at historical inflationary levels. The total projected local sewer O&M expense ranged from \$3.6 million in FY 2023 increasing to \$6.1 million in FY 2023.

3.3.3 Projection of Local Capital Replacement Funding

Given the projection of O&M expenses, the next area of costs to be included within the District's revenue requirement is capital costs. In the District's analysis capital funding is shown as transfers to the replacement reserves that in turn fund capital projects. For this analysis, transfers to the replacement fund were \$800,000 in FY 2023 and increased steadily to \$1.2 million by 2031, then \$800,000 in 2032.

3.3.4 Projection of Local Debt Service

Effective Fiscal Year 2024, there is no outstanding debt in the local fund, therefore, no annual debt service payment is included within the individual components of the revenue requirement analysis (i.e., when compared to the generally accepted "cash basis" methodology).

3.3.5 Summary of the Local Sewer Revenue Requirement

Given the District's projection of O&M expenses and capital needs, the local revenue requirement was summarized. Presented below in Table 3-3 is the District's projected 10 year local revenue requirement for FY 2023 through FY 2032.

Table 3-3
Local System Revenue Requirement (\$000s)

| | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|
| Sources of Funds | | | | | | | | | | |
| Rate Revenue | | | | | | | | | | |
| Rate Revenues | \$4,408 | \$4,493 | \$4,573 | \$4,692 | \$4,842 | \$4,970 | \$5,036 | \$5,073 | \$5,107 | \$5,144 |
| Miscellaneous Revenue | <u>336</u> | <u>468</u> | <u>481</u> | <u>277</u> | <u>329</u> | <u>332</u> | <u>294</u> | <u>294</u> | <u>294</u> | <u>294</u> |
| Total Source of Funds | \$4,744 | \$4,961 | \$5,054 | \$4,968 | \$5,170 | \$5,302 | \$5,330 | \$5,367 | \$5,400 | \$5,438 |
| Applications of Funds | | | | | | | | | | |
| O&M Expenses | | | | | | | | | | |
| Personnel Services | \$2,260 | \$3,320 | \$3,420 | \$3,525 | \$3,629 | \$3,720 | \$3,881 | \$4,054 | \$4,237 | \$4,431 |
| Material & Services | 88 | 91 | 94 | 97 | 100 | 103 | 106 | 109 | 113 | 117 |
| Contract Services | 379 | 390 | 402 | 414 | 426 | 439 | 452 | 466 | 480 | 494 |
| Other Expenses | 846 | 871 | 897 | 924 | 952 | 981 | 1,010 | 1,040 | 1,072 | 1,104 |
| Debt Service | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer to Reserves | 111 | (199) | 122 | 128 | 135 | 142 | 149 | 156 | 164 | 172 |
| Capital Replacement | <u>800</u> | <u>800</u> | <u>800</u> | <u>800</u> | <u>800</u> | <u>1,200</u> | <u>1,200</u> | <u>1,200</u> | <u>1,200</u> | <u>800</u> |
| Total Application of Funds | \$4,484 | \$5,274 | \$5,736 | \$5,889 | \$6,042 | \$6,584 | \$6,798 | \$7,026 | \$7,265 | \$7,118 |
| Balance/(Deficiency) of Funds | \$260 | (\$314) | (\$681) | (\$921) | (\$872) | (\$1,282) | (\$1,468) | (\$1,659) | (\$1,865) | (\$1,680) |
| Balance as % of Rev from Rates | -5.9% | 7.0% | 14.9% | 19.6% | 18.0% | 25.8% | 29.1% | 32.7% | 36.5% | 32.7% |
| Proposed Revenue Adjustment | 0.0% | 7.0% | 7.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% |

In summary form, the revenue requirement has summed the District's O&M expenses and capital funding needs. The total revenue requirement is then compared to the total sources of funds, which includes the rate revenues, at present rate levels, and other miscellaneous revenues. From this comparison a balance or deficiency of funds can be determined. This balance or deficiency of funds is then compared to the rate revenues to determine the level of rate adjustment needed to meet the revenue requirement.

In viewing Table 3-3, it should be noted that the deficiencies shown are cumulative and compared to the current level of local revenues received by the District. In other words, the cumulative deficiency of approximately \$1.68 million in FY 2032 is a function of the existing rates and no projected adjustments to rates over time. Any adjustment to rates in the initial years will reduce the deficiency in the following years.

In reviewing the overall revenue, and rate, needs of the District, HDR and District staff reviewed the need for a rate transition plan to sufficiently fund the needs of the local sewer system . To meet these financial needs, it is proposed that the District adjust rates annually, 7% for 2024 and 2025, then annually based on actual inflationary levels. In other words, each year after 2025, the District will adjust rates based on the actual increase on the actual change in the San Francisco/Hayward CPI from February index of the current year to the prior year as part of the budget process.

3.4 Consultant's Conclusions

Based on the revenue requirement analysis for the regional and local systems, as developed in this study, current revenue are not sufficient to meet the systems operating needs for either the regional or local systems. Not adjusting rates in a timely manner will result in annual deficiencies will be detrimental to the financial health of the regional and local systems. It is recommended that the rates be adjusted annually as shown in tables 3-1 for the regional system and 3-3 for the local system to prevent degradation of the systems financial health.

3.5 Summary

This section of the report has provided a discussion of the District's regional and local sewer revenue requirement analyses. The revenue requirement analysis for each system developed a financial plan to support the District's operating and capital needs. The next section of the report will discuss the distribution of the revenue requirement to the customer classes of service for each system.

In the previous section, the revenue requirement analyses for the regional and local systems focused on the total sources and application of funds required to adequately fund the District's regional sewer system. This section will discuss and review the development and recommendations of the cost of service analysis for the regional and local sewer systems.

A cost of service analysis is concerned with the proportional distribution of the total revenue requirement between the customer classes of service (e.g., residential, commercial, industrial). The previously developed revenue requirements for the regional and local systems were utilized in the development of the cost of service analysis.

As with all public utilities there has been increased importance on cost of service studies by various government agencies, customers, utility regulatory commissions, and other parties. This interest has been generated in part by increasing wastewater discharge requirements, increased need to replace aging infrastructure, escalating operating costs, and concerns of equity in rates among customers. Following the generally-accepted guidelines and principles of a cost of service analysis will inherently lead to sewer rates which are proportional, cost-based, and not viewed as arbitrary or capricious in nature.

"Following the generally-accepted guidelines and principles of a cost of service analysis will inherently lead to rates which are equitable, cost-based, and not viewed as arbitrary or capricious in nature."

4.1 Objectives of a Cost of Service Study

There are two primary objectives in conducting a cost of service study:

1. Distribute the revenue requirement proportionally to the customer classes of service
2. Derive average unit costs for subsequent rate designs

The regional and local sewer cost of service analysis proportionally distributes the revenue requirements to the customer classes of service of each utility. The regional sewer system incurs costs related to volume, strength, and customer-related cost components. The local utility incurs costs primarily related to volume. Each of these types of costs may be collected in a slightly different manner as to allow for the development of rates that collect costs in relatively the same manner as they are incurred.

4.2 Sewer Customer Classes of Service

4.2.1 Regional Customer Classes of Service

Currently, the regional system has different rate designs for the individual sub-classes within the

major customers classes of residential, commercial, schools/institutional, and industrial/demand.

Residential includes Single family, Townhome, Multifamily, Condominium, Duplex, and Single Family home with Accessory Dwelling Units (ADU). Each of the residential rates are a fixed bi-monthly charge. Duplex is two times the Single Family rate and Single Family with an ADU are charged both the single family rate plus the multifamily rate. One change to the residential rate structure is that the multifamily and condominium customers are proposed to be merged.

Commercial, institutional, and Industrial are all changed rates based on their volume. Commercial and Industrial each, have rates that include three sub-categories that vary by wastewater strength (low, medium, high). The Institutional rates also had sub-categories that represent general Institutional, schools with submeters and schools without submeters. Table 4-1 provides the current rate categories for commercial and Industrial.

| Table 4-1 Regional System Current Commercial and Industrial Sewer Rates | |
|--|---|
| Class | Strength Range |
| Commercial – Low | 0 – 300 Avg mg/l of BOD and SS |
| Commercial – Medium | 301 – 600 Avg mg/l of BOD and SS |
| Commercial – High | Greater than 600 Avg mg/l of BOD and SS |
| Industrial – A | 0 – 1,000 Avg mg/l of BOD and SS |
| Industrial – B | 1,001 – 1,500 Avg mg/l of BOD and SS |
| Industrial – C | 1,501 – 2,000 Avg mg/l of BOD and SS |

Discussions with District management led to the development of a new rate structure that combined the commercial, institutional, and industrial customers into a single rate class. This rate class would expand on the previous rate structure by creating six wastewater strength rates. the purpose of this change was to simplify the structure and recognize that the cost to treat wastewater at particular wastewater strengths is generally the same regardless if it came from a school, a commercial business, or an industrial user. It was found that most of these customers had wastewater strength lower than 1,000 mg/L for both BOD and TSS and within the commercial low and high of the current rate structure. Table 4-2 show the new Commercial, Institutional, and industrial rate structure by strength levels.

Table 4-2
Regional System Proposed Non-Residential Rate Categories
New Non-Residential Rate Categories

Less than or equal to 300 mg/L
 Between 300 and 450 mg/L
 Between 450 and 600 mg/L
 Between 600 and 750 mg/L
 Between 750 and 900 mg/L
 Between 900 and 1,050 mg/L
 Greater than 1,050 mg/L

As is shown in Table 4-2, the bands of rates starts at domestic strength (300 mg/L) and increase by 150 mg/L up to 1,050 mg/L. Currently there are only two customers with average strength levels greater than these categories, DERWA and Septic Haulers. These two customers are evaluated independently in the cost of service analysis to develop the proposed rates. If the District were to have additional or existing customer with wastewater strength greater than 1,050, their rate will be determined on a case by case basis based on the unit costs developed in the cost of service analysis.

4.2.2 Local Sewer Customer Classes of Service

Local rate classes should be established in the same manner as the regional system to equal the total sewer bill that is charged to the sewer customers in the District's service area. As mentioned in the regional customer class section, the only proposed change for residential customers is to combine the multifamily and condominium classes. Duplexes are simply charged two times the Single Family rate and Single Family with an ADU is charged a Single family rate plus a multifamily rate per dwelling unit.

Non-residential customers are not proposed to change. Currently there is only one rate for non-residential customers. There are no rate bands based on different wastewater strength as the local system costs are not driven by wastewater strength only volume and to a lesser degree, the number of customer. These proposed classes of service for the local cost of service analysis are:

- Residential
 - Single Family/Townhome
 - Multifamily/Condominium
- Commercial/Institutional/Industrial

4.3 General Cost of Service Procedures

In order to determine the cost to serve each customer class of service on the District's regional and local sewer systems, a cost of service analysis is conducted for each system. A cost of service study utilizes a three-step approach to review costs. These were previously discussed in our general overview in Section 2 and take the form of functionalization, classification, and allocation.

4.3.1 Functionalization of Costs

The first analytical step in the cost of service process is called functionalization. Functionalization is the arrangement of expenses and asset (plant) data by major operating functions within the utility (e.g., treatment, pumping, collection). Within this study, the functionalization of the cost data was accomplished through the District's detailed budget information.

4.3.2 Allocation of Costs

The second analytical task performed in a sewer cost of service analysis is the allocation of the costs. Allocation determines why the expenses were incurred or what type of need is being met. The District's regional and local revenue requirements were reviewed and allocated using the following costs:

- **Volume-Related Costs:** Volume costs are those costs which tend to vary with the total quantity of wastewater contributed by a customer. Volume costs are the total flows contributed by a customer, typically over an annual time period. A significant portion of a regional sewer system's revenue requirements are typically classified as volume related as the major function of a regional sewer system to treat the total volumes received from customers. Similarly, for local collection the vast majority of costs are allocated on volume as the function of the collection system is to convey the total flows from customers to the treatment plant.
- **Strength-Related Costs:** Strength related costs are those costs associated with the additional handling and treatment of high "strength" sewer. Increased

Terminology of a Sewer Cost of Service Analysis

Functionalization – The arrangement of the cost data by functional category (e.g. treatment, pumping, etc.).

Allocation – The assignment of functionalized costs to cost components (e.g. volume, strength, and customer-related).

Distribution – Distribution the allocated costs to each class of service based upon each class's proportional contribution to that specific cost component.

Volume Costs – Costs that are allocated as volume related are associated with the total flow of wastewater.

Strength Costs – Costs allocated as strength related refer to the wastewater treatment function. Typically, strength-related costs are further defined as biochemical oxygen demand (BOD) and suspended solids (SS). Different types of customers may have high wastewater strength characteristics and high strength wastewater costs more to treat. Treatment facilities are often designed and sized around meeting these costs

Customer Costs – Costs allocated as customer related vary with the number of customers on the system, e.g. billing costs.

Direct Assignment – Costs that can be clearly identified as belonging to a specific customer or customer group.

Customer Classes of Service – The grouping of customers into similar groups based upon usage characteristics and/or facility requirements.

strength levels equates to increased treatment costs. Strength-related costs refer to the strength of the wastewater contributed by the customer. In addition, higher strength wastewater may require special or additional treatment. In allocating strength-related costs, two types of strength parameters were considered; biochemical oxygen demand (BOD)⁵ and total suspended solids (TSS)⁶. Customers who have higher than average wastewater strength such as commercial or industrial customers are distributed a greater proportion of the cost of treatment. The local sewer system does not have costs that are incurred for wastewater strength and so was not used in the cost of service for the local system.

- **Customer Related Costs:** Customer costs are those costs which vary with the number of customers on the sewer system. They do not vary with wastewater volume or strength of wastewater. These costs are also sometimes referred to as readiness to serve or availability costs. Customer costs may also sometimes be further allocated as either actual or weighted. Actual customer costs vary proportionally, from customer to customer, with the addition or deletion of a customer regardless of the size of the customer. In contrast, a weighted customer cost reflects a disproportionate cost, from customer to customer, with the addition or deletion of a customer. An example of an actual customer cost is postage for mailing bills. This cost does not vary from customer to customer, regardless of the size or consumption characteristics of the customer. An example of a weighted customer can be where the District must hand bill a customer when they are not included in the customer billing system.
- **Revenue Related Costs:** Certain costs associated with the regional and local systems may vary with the amount of revenue received. An example of this would be a utility tax based upon the amount of revenues received by the District.
- **Direct Assignments:** Certain costs associated with operating the system may be directly traced to a specific customer or class of service (e.g., bad debt expenses). In this case, these costs are then directly assigned to that specific class of service. This assures that other classes of service will not be allocated any costs for those significant facilities from which they do not benefit.

4.3.3 Development of Distribution Factors

Once the allocation process is complete, and the customer groups have been defined, the various allocated costs were proportionally distributed to each customer group. The District's allocated costs were distributed to the various customer groups using the following allocation factors.

- **Volume Distribution Factor:** As noted earlier, volume related costs vary with the total flow of wastewater. Therefore, the volume distribution factors were based upon the projected total wastewater flows for each class of service for the projected test period (FY 2024). Given that wastewater is not metered, each individual class was reviewed, and a return

⁵ BOD is the amount of dissolved oxygen that must be present in water in order for microorganisms to decompose the organic matter in the wastewater.

⁶ TSS is the entire amount of organic and inorganic particles dispersed in wastewater.

factor applied to the customer classes' water consumption to determine the estimated wastewater volumes. As an example, the residential customer's wastewater volumes were based on winter water use, which is a surrogate for indoor water use, and as a result, is a reasonable measure of wastewater volumes. Each customer class was reviewed on a similar basis to determine the appropriate return factor.

- **Strength Distribution Factor:** The strength distribution factor will vary based on the overall strength of the wastewater and the volume. A strength level is assigned for each class of service and is measured in average milligrams per liter (mg/l). For example, domestic wastewater is commonly considered to have a BOD and TSS strength level that is less than a typical commercial customer. The customer volume is then applied against the assumed customer mg/l to determine the overall pounds of BOD and TSS for that customer. For the District's study, the assigned strength factor for each class of service, stated in mg/l, was based, in part, on recent testing and sampling of various sections of the District's system. In addition, the past study data was reviewed to determine if the recent data supported typical customer strength levels. In summary, the development of the strength factors was based on a combination of recent testing and historical testing to determine the strength levels by class of service.
- **Customer Distribution Factor:** Customer costs vary with the number of customers on the system. Two basic types of customer distribution factors were identified – actual and weighted. The allocation factors for actual customers were based upon the projection of the number of customers developed within the revenue requirement. The weighted customer distribution factor is an attempt to reflect the disproportionate costs associated with serving different types of customers. This weighted customer distribution factor takes into account the fact that the District has several large industrial customers which it hand bills each month compared to the residential customer bill which is included on the annual property tax statement. As a point of reference, the regional cost of service analysis did not allocate any costs on the customer distribution factor and the local cost of service analysis allocated costs only on the actual customer distribution factor.
- **Revenue Related Distribution Factor:** The revenue related distribution factor was developed from the projected rate revenues for FY 2024 for each customer group. These same revenues were used within the revenue requirement analysis previously discussed.

Given the development of the distribution factors, the final step in the cost of service study is to distribute the allocated costs to the various customer classes of service.

4.4 Functionalization and Allocation of the Revenue Requirement

For the District's study, the FY 2024 regional and local revenue requirement was functionalized, allocated, and distributed. As noted earlier, the District utilized a cash basis revenue requirement, which in this case, is comprised of operation and maintenance expenses and transfers to the capital replacement fund.

The functionalization of the District's regional and local operating expenses was primarily

accomplished through the District’s detailed budget. However, in developing the cost of service, HDR worked with District staff to determine what costs were captured in the major cost categories related to wastewater treatment functions to develop an equitable allocation of costs for the regional system. The District’s functionalized plant assets were used as the basis for allocating expenses. In other words, based on the reason the infrastructure was designed and operated, the O&M expenses related operating that infrastructure was the same. The assumption for this is that the value of the plant asset is proportional to the cost to operating and maintain. The local system was less complicated because the assets were all determined to be volume related which resulted in the revenue requirement allocation being mostly volume related.

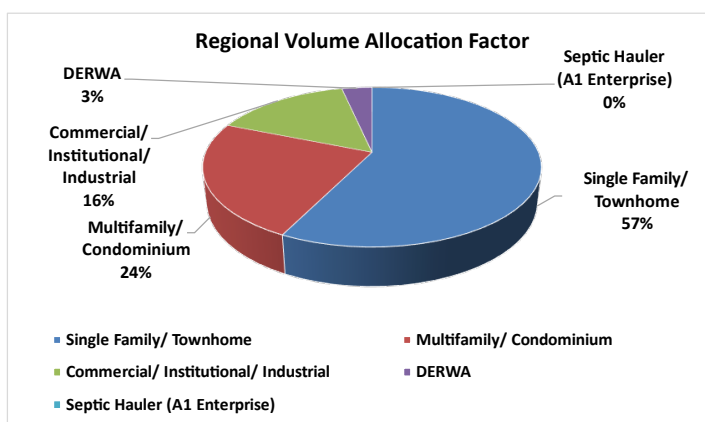
A more detailed review of the allocation of the regional sewer revenue requirement can be found in the Technical Appendix.

4.5 Distribution Factors for the Cost of Service

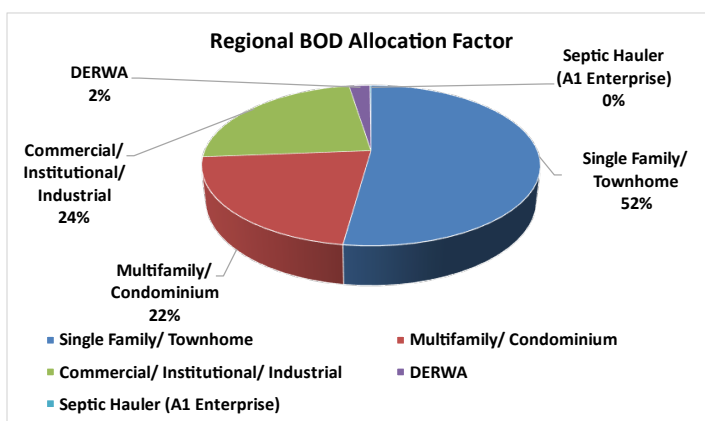
4.5.1 Regional Distribution Factors

The specific allocations used for the regional systems were volume, and strength, both BOD and TSS. The allocations factor are then distributed to customer classes based on the customer classes proportion of either the volume of wastewater, or the pounds of BOD and TSS.

The volume distribution factor is based on the assumed flow of wastewater at the wastewater treatment plant. the Single Family and Townhome customer class is the largest volume contributor with over half of the wastewater flow. Multifamily and condominiums are the second highest with nearly a quarter of the volume. The remaining 20% of wastewater is from commercial, institutional, industrial, DERWA, and septic haulers.



The BOD distribution factor is based on the customers estimated pounds of BOD. It has a similar breakdown to the volume distribution factor except the percentages has shifted slightly towards the non-residential customers. Commercial, institutional, and industrial has increased as a percent from 16% to 24%. This change in percentage can be attributed to the higher strength levels of non-residential



customers.

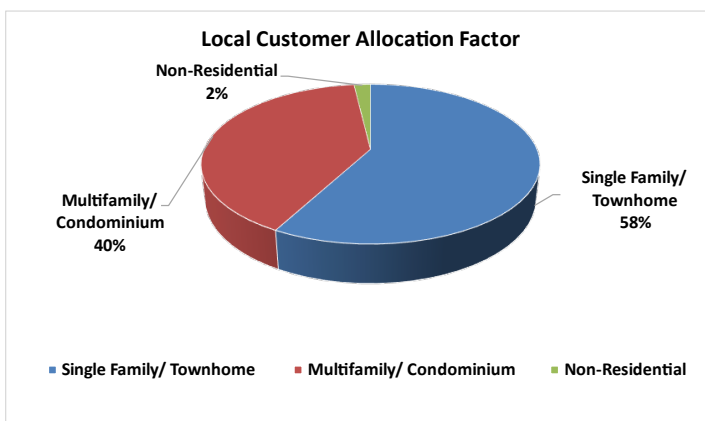
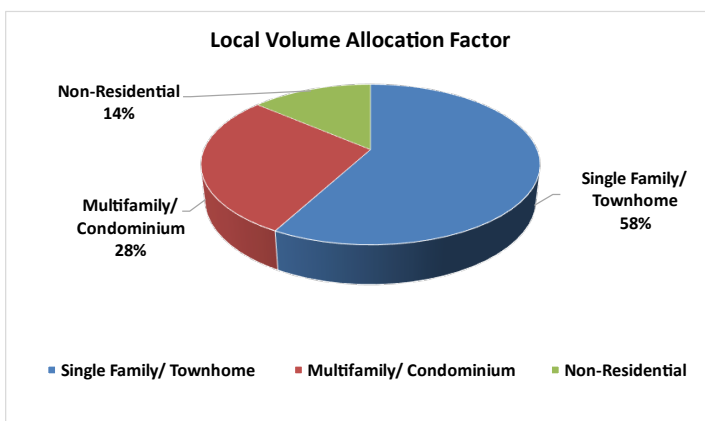
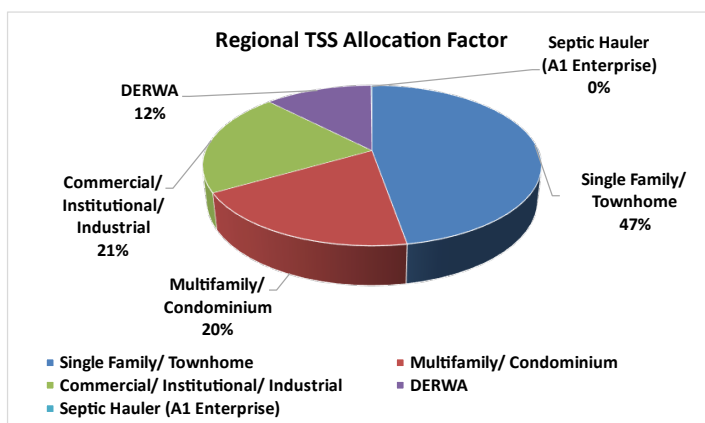
The TSS distribution factor is like the BOD distribution factor as it is also based on the pound of TSS. The proportion of TSS is like BOD but more weighted to the non-residential customers. Specifically, DERWA has increased its percent of the total from 2% of the BOD to 12% of the TSS.

The distribution factor percentages are the basis for the proportional distribution of the allocated costs to each customer class. In essence, if a customer such as single family and townhomes volume allocation factor is 57% that means that they represent 57% of the wastewater volume, and they are responsible for 57% of the allocated volume costs. This is also true for BOD and TSS only based on weight.

4.5.2 Local System Distribution Factors

The local sewer system is simpler and has fewer allocation factors which means it also has fewer distribution factors. Collection system costs are primarily driven by the volume of the wastewater. Given this, 90% of the costs were allocated to the volume allocation factor. Like the regional volume distribution factor, each customer class's contribution to the flow through the collection system is the basis for how these costs are distributed. The volume distribution factor shows that 58% of the wastewater flow is from single family and townhomes, 28% of the flow is from multifamily and condominiums, and 14% of the flow is from non-residential customers. These results are very close to the same as in the regional system. The similarity is due to the customers largely being the same except the local volume distribution factor does not include the City of Pleasanton customers.

The customer distribution factor is based on the number of accounts or dwelling units.



4.6 Assumptions of the Cost of Service Analysis

A number of key assumptions were used within the regional and local sewer cost of service study. Provided below is a brief discussion of the major assumptions used.

- The test period used for the cost of service analysis was FY 2024. The revenue and expense data for FY 2024 which was previously developed within the revenue requirement study.
- A cash basis approach was utilized which conforms to generally accepted cost of service approaches and methodologies. This is the same methodology that the District has historically utilized for the sewer cost of service analyses.
- For the regional system, Commercial, Institutional, and Industrial customer classes were combined. The proposed customer classes reflect bands of average wastewater strength.
- Assumed wastewater volume by customer classes of service was provided by the District and the City of Pleasanton. The development of the wastewater volumes was based on return factors calculated by class of service based on estimated indoor use or winter water volume assumptions. The estimated total volumes as developed in the volume allocation factor were compared to the actual flows at the wastewater treatment plant to assess their reasonableness.
- Strength distribution factors were based upon each customer class of services strength levels based on recent sampling and historical sampling. Overall strength levels at the treatment plant were calculated and provided by the District and compared to the calculated levels based on the assumed strength levels to test the reasonableness of the assumptions.
- District staff provided detailed information on the allocation of costs, based on their knowledge of the facilities and its operation.
- Data assumptions were provided by the District and the City of Pleasanton customers separately. Final distribution of costs, and rates, were based on the combined customer for each class of service.

4.7 Summary of the Sewer Cost of Service Analysis

4.7.1 Regional Cost of Service Analysis

In summary form, the regional sewer cost of service analysis began by functionalizing the District's FY 2024 regional revenue requirement.

The functionalized revenue requirement was then allocated into the various cost components. The individual allocation totals were then proportionally distributed to the various customer groups based upon the appropriate distribution factor. Table 4-3 provides the distributed revenue requirement by allocation component.

Table 4-3
Regional Sewer Distribution of Revenue Requirement by Component (\$000)

| | Total Revenue Requirement | Volume Related | Bio-Oxygen Demand | Total Suspended Solids |
|------------------------------------|--|---------------------------|------------------------------|---------------------------------------|
| Residential | | | | |
| Single Family/ Townhome | \$13,198 | \$8,509 | \$1,484 | \$3,205 |
| Multifamily/ Condominium | <u>5,445</u> | <u>3,510</u> | <u>612</u> | <u>1,322</u> |
| Total Residential | \$18,643 | \$12,019 | \$2,096 | \$4,527 |
| Commercial & Industrial | \$4,389 | \$2,294 | \$676 | \$1,419 |
| Special Users | | | | |
| DERWA Internal Backwash | \$1,407 | \$508 | \$67 | \$831 |
| A1 Enterprise (Septic) | <u>12</u> | <u>1</u> | <u>4</u> | <u>7</u> |
| Total Special Users | \$1,419 | \$510 | \$71 | \$839 |
| Total System | \$24,450 | \$14,822 | \$2,843 | \$6,785 |

The distributed expenses for each customer group were then aggregated to determine each customer group's overall revenue responsibility. A summary of the detailed cost responsibility developed for each class of service versus the customer class present rate revenue is shown in Table 4-4.

Table 4-4
Regional Sewer Cost of Service Results (\$000)

| | Present Rate Revenue | Distributed Costs | \$ Change | % Change |
|------------------------------------|---------------------------------|------------------------------|------------------|-----------------|
| Residential | | | | |
| Single Family/ Townhome | \$13,496 | \$13,198 | \$298 | -2.2% |
| Multifamily/ Condominium | 4,353 | 5,445 | (1,092) | 25.1% |
| Commercial & Industrial | \$5,026 | \$4,389 | \$637 | -12.7% |
| Special Users | | | | |
| DERWA Internal Backwash | \$50 | \$1,407 | (\$1,357) | 2738.8% |
| A1 Enterprise (Septic) | 23 | 12 | 11 | -48.0% |
| Total System | \$22,947 | \$24,450 | (\$1,503) | 6.6% |

The distribution of costs provided a proportional distribution of the facilities and costs to each customer class reflected their respective benefit. The cost of service results indicated that costs

differences exist between the customer classes of service. This change was largely a result of changes to Multifamily/Condominiums customer characteristics and refinement of industrial strength factors for DERWA. As table 4-4 shows Multifamily/Condominiums present revenue is \$4.4 million and their distributed costs were \$5.4 million. DERWA current rate was generating approximately \$50,000 but after the cost of service it is shown that DERWA should be responsible for over \$1.4 million of costs given the strength of wastewater.

4.7.2 Local Cost of Service Analysis

In summary form, the local sewer cost of service analysis began by functionalizing the District's FY 2024 local revenue requirement.

The functionalized revenue requirement was then allocated to the appropriate cost components. The individual allocation totals were then proportionally distributed to the various customer groups based upon the appropriate distribution factor. Table 4-5 provides the distributed revenue requirement by allocation component.

| Table 4-5 Local Sewer Distribution of Revenue Requirement by Component (\$000) | | | |
|---|---------------------------|----------------|--------------|
| | Total Revenue Requirement | Volume Related | Customer |
| Residential | | | |
| Single Family/ Townhome | \$2,785 | \$2,519 | \$266 |
| Multifamily/ Condominium | <u>1,415</u> | <u>1,230</u> | <u>\$185</u> |
| Total Residential | \$4,200 | \$3,749 | \$451 |
| Commercial & Industrial | \$606 | \$598 | \$9 |
| Total System | \$4,806 | \$4,347 | \$459 |

The distributed costs for each customer group were then aggregated to determine each customer group's overall revenue responsibility. A summary of the detailed cost responsibility developed for each class of service versus the customer class present rate revenue is shown in Table 4-6.

Table 4-6
Local Sewer Cost of Service Results (\$000)

| | Present Rate Revenue | Distributed Costs | \$ Change | % Change |
|------------------------|---------------------------------|------------------------------|------------------|-----------------|
| Residential | | | | |
| Single Family | \$2,632 | \$2,785 | (\$153) | 5.8% |
| Multifamily | 1,285 | 1,415 | (130) | 10.1% |
| Non-Residential | \$576 | \$606 | (\$30) | 5.2% |
| System Total | \$4,493 | \$4,806 | (\$314) | 7.0% |

The local cost of service result show that multifamily is slightly underpaying and single family/townhomes and non-residential are slightly overpaying. The variances of a little over 1% to just over 3% are not significant changes when compared to the overall rate revenue adjustment of 7%.

In viewing the above results, it is important to understand that a cost of service study is a “snapshot” at a single point in time and the key variables (volumetric wastewater contributions and strength levels) may change over time, which is one of the reasons for the results of the cost of service in this study. For those reasons, it is prudent to conduct a cost of periodically so that the rates being charged are, for the most part, proportional and equitable. It is also important to take into consideration the changes in customer characteristics over time. Specifically, with the increased focus on water conservation wastewater volumes by class of service can vary from year to year. As a result, the strength levels will also change and result in a different allocation of costs as customer characteristics change.

4.8 Consultant’s Conclusions and Recommendations

The regional and local sewer cost of service analysis provides the basis for cost-based adjustments between the customer classes of service for both systems. Historically, the District has followed cost of service principles to set rates, which is also the recommendation for this study. Given the results of the cost of service, the proposed rates will be set to reflect the results shown in Table 4-4 for regional customers and 4-6 for local customers.

The section of the report has reviewed the cost of service analyses developed for the District. This study provides the basis for proportionally distributing the regional system’s costs between the customers utilizing the system. Furthermore, this study provides the basis for determining the level of revenue to be collected from each customer class of service within the rate design process. The next section of the report will discuss the design of the proposed regional and local sewer rates.

The final step of the comprehensive rate study process is the design of the proposed regional and local sewer rates. This step involves using the results of the revenue requirement and cost of service analysis to establish the overall level of adjustment required, along with the revenue responsibility by customer class of service. This section of the report will provide a more detailed discussion of the development of the proposed regional and local sewer rate designs.

5.1 Development of Cost-Based Sewer Rates

Developing cost-based and proportional rates is of paramount importance in developing proposed water rates. While always a key consideration in developing rates, meeting the legal requirements, and documenting the steps taken to meet the requirements, has been in the forefront with the recent legal challenges in the State of California on utility rates. Given this, the development of the District's proposed regional sewer rates have been developed to meet the legal requirements of California Constitution article XIII D, section 6 (Article XIII D). A key component of Article XIII D is the development of rates which reflect the cost of providing service and are proportionally distributed between the customer classes of service. HDR would point out that there is no single methodology for equitably assigning costs to the various customer groups. The Water Environment Federation Manual of Practice #27 provides various methodologies which may be used to establish cost-based rates. Unfortunately, Article XII D is not prescriptive and does not provide a specific methodology for establishing rates. Given that, HDR developed the District's proposed sewer rates based on generally accepted rate setting methodologies to meet the requirements of Article XIII D.

HDR is of the opinion that the proposed rates meet the legal requirements of Article XIII D. HDR reaches this conclusion based upon the following:

- The revenue derived from sewer rates does not exceed the funds required to provide the property related service (i.e., wastewater service). The proposed rates are designed to collect the overall revenue requirement of the District's regional sewer system and the District's local sewer system independently. The District maintains separate funds for the regional and local system for this purpose.
- The revenues derived from sewer rates shall not be used for any purpose other than that for which the fee or charge is imposed. The revenues derived from the District's regional sewer rates are used exclusively to operate and maintain the District's regional sewer system, and the funds derived from the District's local sewer rates are used exclusively to operate and maintain the District's local sewer system.
- The amount of a fee or charge imposed upon a parcel or person as an incident of property ownership shall not exceed the proportional costs of the service attributable to the parcel. The cost of service analysis focused exclusively on the issue of proportional assignment of costs to customer classes of service for each system. The proposed rates have appropriately

grouped customers into customer classes of service (residential, non-residential, etc.) that reflect the varying volume and strength levels and system requirements (i.e., the benefits they receive from and burdens they place on the system) of each customer class of service. The grouping of customers and rates into these classes of service creates the proportionality expected under Proposition 218 by having differing rates by customer classes of service which reflect both the level of revenue to be collected by the utility, and the manner in which these costs are incurred and distributed to customer classes of service based upon their proportional benefit.

5.2 Overview of the Rate Adjustment by Class of Service

The focus of this study, for both regional and local, the proposed rates were developed for the five year period of FY 2024 to FY 2028. Given the results of the revenue requirement both the regional and local system revenue are not sufficient to meet their operating needs and must be increased.

5.2.1 Proposed Rate Adjustments By Class of Service

Given the regional cost of service analysis showed cost differences between the customer classes of each system. Given this, the proposed rates for FY 2024 reflect the cost of service results. The proposed rates in subsequent years are increased equally given the cost of service adjustment in FY 2024. Provided in Table 5-1 is a summary of the proposed regional rate adjustments for FY 2024

Table 5-1
Regional Sewer System Rate Adjustments

| | |
|------------------------------------|---------|
| Residential | |
| Single Family/ Townhome | -2.2% |
| Multifamily/ Condominium | 25.1% |
| Commercial & Industrial | -12.7% |
| Special Users | |
| DERWA Internal Backwash | 2738.8% |
| Septic Hauler (A1 Enterprise) | -48.0% |

The cost of service analysis for the local sewer system showed minor cost of service differences. However, the proposed rates take into account the results of the cost of service analysis to meet the requirements of Proposition 218.

Table 5-2
Local Sewer System Rate Adjustments

| | |
|------------------------------------|-------|
| Residential | |
| Single Family/ Townhome | 5.8% |
| Multifamily/ Condominium | 10.1% |
| Commercial & Industrial | 5.2% |

Given the recommended customer class adjustments for FY 2024 the proposed rates can be designed. As noted, after FY 2024 the rates are adjusted equally on an annual basis given the adjustment to cost of service results in FY 2024.

5.3 Regional Rate Design

5.3.1 Residential Rates

Residential rate designs remain the same with the exception of consolidating multifamily and condominiums into a single rate group. To establish the rates for the residential customers the distributed costs for the both single family/town home and multifamily/condominium were divided by the number of dwelling units. Table 5-3 provides the development of the residential rates on a bi-monthly basis.

Table 5-3
Regional Residential Unit Cost Development

| | Distributed Cost DC | Dwelling Units DU | Annual = DC/DU | Bi-monthly Annual/6 |
|-------------------------|-------------------------------|-----------------------------|--------------------------|-------------------------------|
| Single Family/Townhome | \$13,197,175 | \$37,784 | \$349 | \$58.22 |
| Multifamily/Condominium | \$5,444,790 | \$20,555 | \$265 | \$44.15 |

Future rates are calculated by taking the FY 2025 rate and escalating them annually by the overall rate adjustment, which in the rate study was based on an annual inflationary increase of 3.0%. Actual rates for the regional system will be updated based on the year over year change in San Francisco/Hayward CPI-U each February.

| Table 5-4 Regional System Residential Sewer Rates | | | | | | |
|--|---------------|----------|----------|----------|----------|----------|
| Customer Class | Current Rates | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 |
| Single Family | \$59.53 | \$58.22 | \$59.97 | \$61.77 | \$63.62 | \$65.53 |
| Townhouse | \$59.53 | \$58.22 | \$59.97 | \$61.77 | \$63.62 | \$65.53 |
| Condominium | \$39.61 | \$44.15 | \$45.47 | \$46.84 | \$48.24 | \$49.69 |
| Duplex | \$119.06 | \$116.44 | \$119.93 | \$123.53 | \$127.24 | \$131.05 |
| Single Family Home with 2nd Dwelling Unit | \$92.67 | \$102.37 | \$105.44 | \$108.60 | \$111.86 | \$115.22 |
| Multi-Family | \$33.14 | \$44.15 | \$45.47 | \$46.84 | \$48.24 | \$49.69 |

5.3.2 Non-residential Rates

A goal for this study was to redesign the commercial, Institutional, and industrial rates to be more equitable and reflect the various strength levels of these customers. Through discussions with the District, it was determined that non-residential customers, excluding DERWA and Septic Hauler customers, would be moved to the a rate structure that is comprised of six bands based on strength level. The rational for making this change was that there was very little, or no, difference in treating a commercial customer versus an industrial customer who have the same wastewater strength. The first and lowest band starts at up to wastewater strength considered residential or domestic strength (300 mg/L), then increasing at increments of an average between BOD and TSS of 150 mg/l up to 1,050 mg/l. Customers who have strength levels higher than 1,050 will have a rate determined by District staff, based on the cost to treat the customers wastewater strength as developed in the cost of service analysis. The proposed rate bands were based on the unit cost of volume, BOD, and TSS. The unit costs were then converted to volume cost per hundred cubic feet for each of the various strength bands. Table 5-5 shows the volume cost per hundred cubic feet at the treatment plant and using the billing units.

| Table 5-5 Regional Non-Residential Unit Cost Development | | |
|---|--------------------------|---------------|
| | Volume @ Treatment Plant | Billed Volume |
| Allocated Cost Volume Cost | \$2,293,786 | \$2,293,786 |
| Units | 788,072 CCF | 1,060,169 CCF |
| Cost per Unit | \$2.91/ CCF | \$2.16/ CCF |

Table 5-5 is the cost of non-residential based at the treatment plant. It is important to note that these rates are only valid when a customer's billed units are equal to their contribution at the wastewater treatment plant. As is often the case wastewater is not metered like a water utility

often is. To overcome this challenge wastewater utilities use metered water to estimate the wastewater flow. A component that needs to be accounted for when using metered water readings is outdoor water use like irrigation. Another factor that distorts the results when using metered water to estimate sewer flow is inflow and infiltration. The result is that there is not a one-to-one relationship between sewer flow at the wastewater treatment plant and billed unit flow. To account for this difference when establishing a wastewater volume rate instead of using the assumed volume at the plant one should use the billed volume as the denominator. Non-residential billed flow is 1,060,169 hundred cubic feet. Taking the distributed volume cost divided by 1,060,169 equals \$2.16 per hundred cubic feet as opposed to the \$2.91 hundred cubic feet based on wastewater volumes used to distribute costs. The next step in developing the non-residential rate is to determine the BOD and TSS components in the charge. Table 5-6 shows the distributed strength cost of BOD and TSS converted into cost per hundred cubic feet.

| Table 5-6 Regional Non-Residential Unit Cost Development | | |
|---|----------------|----------------|
| | BOD | TSS |
| Allocated Cost | \$675,571 | \$1,419,249 |
| Units | 1,903,606 lbs. | 1,980,984 lbs. |
| Cost per Unit | \$0.3549/ lbs. | \$0.7164/ lbs. |
| BOD and TSS Cost per milligram | \$0.0000008/mg | \$0.0000016/mg |
| BOD and TSS cost per CCF at 1 mg/L Concentration [1] | \$0.0022568 | \$0.0045559 |

[1] Conversion = 2,833 (liters to CCF) X Cost per milligram x 1.018 (Inflow & Infiltration)

With the cost per hundred cubic feet for both the volume and strength components the calculation of the bands by milligram per liter can be calculated. Using the cost per hundred cubic feet at 1 milligram per liter for BOD and TSS the strength cost per individual bands can be calculated. Table 5-7 shows the calculation of the strength cost per band in milligrams per liter and hundred cubic feet.

| Table 5-7 Regional Non-Residential Unit Cost Development | | | | |
|---|----------------|---------------------------|-------------------|-------------------|
| | Median mg/L | Return Water Factor | BOD \$/CCF [1] | TSS \$/CCF [2] |
| Less than or equal to 300 mg/L | 225 | 74% | \$0.37 | \$0.76 |
| Between 300 and 450 mg/L | 375 | 80% | \$0.68 | \$1.36 |
| Between 450 and 600 mg/L | 525 | 83% | \$0.98 | \$1.97 |
| Between 600 and 750 mg/L | 675 | 84% | \$1.28 | \$2.58 |
| Between 750 and 900 mg/L | 825 | 85% | \$1.58 | \$3.19 |
| Between 900 and 1,050 mg/L | 975 | 86% | \$1.88 | \$3.80 |

[1] \$0.0022568 X median mg/L from table 5-6 BOD

[2] \$0.0045559 X median mg/L from table 5-6 TSS

The final step in calculating the non-residential rates is to combined the volume cost per hundred cubic feet with the strength cost per hundred cubic feet by strength level. Table 5-8 shows the final calculated rates.

| Table 5-8 Regional Non-Residential Volume Rates | | | | |
|--|------------------|---------------|---------------|-----------------|
| | \$/CCF Volume | \$/CCF BOD | \$/CCF TSS | Total \$/CCF |
| Less than or equal to 300 mg/L | \$2.16 | \$0.37 | \$0.76 | \$3.29 |
| Between 300 and 450 mg/L | \$2.16 | \$0.68 | \$1.36 | \$4.20 |
| Between 450 and 600 mg/L | \$2.16 | \$0.98 | \$1.97 | \$5.11 |
| Between 600 and 750 mg/L | \$2.16 | \$1.28 | \$2.58 | \$6.03 |
| Between 750 and 900 mg/L | \$2.16 | \$1.58 | \$3.19 | \$6.94 |
| Between 900 and 1,050 mg/L | \$2.16 | \$1.88 | \$3.80 | \$7.85 |

5.3.3 Regional Special User Rates

Special regional users include DERWA and Septic Haulers. These customers are unique in that they have much higher strength wastewater than the residential or non-residential customers. These customers are also unique in that billed flow is the same as their estimated contribution at the wastewater treatment plant. The DERWA rate can be calculated by taking the distributed costs and dividing by their volume flow and pounds of BOD and TSS. The rate structure for each customer was modified slightly, but in general maintained the current structure. However, the rates themselves have changed significantly given the results of the cost of service analysis and

strength of the wastewater. Table 5-9 shows the calculation of DERWA rates.

| Table 5-9 DERWA Rate Calculation | | | |
|-------------------------------------|---------------|---------------|---------------|
| | Volume | BOD | TSS |
| Distributed Costs | \$508,246 | \$67,353 | \$831,448 |
| Units | 130.7 mg | 189,787 | 1,160,536 |
| Distributed Cost/Unit | \$3,888.52/mg | \$0.3549/lbs. | \$0.7164/lbs. |

As can be seen, the proposed DERWA rate structure includes a volume charge per million gallons, and a strength charge for BOD and TSS on a per pound basis which is calculated based on the strength of the wastewater and total volume. Like the DERWA rates, the septic hauler rate is calculated by taking the distributed cost by the billed gallons to arrive at the per gallon cost. For the Septic Haulers, the current rate structure was maintained and only the level of the rate was adjusted. Table 5-10 shows the steps for calculating the per gallon rate for Septic Haulers.

| Table 5-10 Septic Hauler Rate Calculation | | | | |
|--|--------------|--------------|--------------|--------------|
| | Volume | BOD | TSS | Total |
| Distributed Cost | \$1,319 | \$3,593 | \$7,243 | \$12,155 |
| Gallons | 339,163 | 339,163 | 339,163 | 339,163 |
| Distributed Cost/Gallon | \$0.0039/gal | \$0.0106/gal | \$0.0214/gal | \$0.0358/gal |

5.3.4 Proposed Non-Residential Regional Rates

Table 5-11 provides the proposed non-residential rates over the next five years. As noted, the proposed rates after FY 2025 are based on an estimated inflationary adjustment of 3.0%. Annually the District will develop the proposed rates based on the annual change in the San Francisco/Hayward CPI-U for February.

Table 5-11
Regional System Non-Residential Sewer Rates

| Customer Class | Current Rates | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 |
|--|---|------------|------------|------------|------------|------------|
| Low - Less than 300 mg/L | \$2.70 | NA | NA | NA | NA | NA |
| Medium - Greater than 300 and less than 600 mg/L | 5.43 | NA | NA | NA | NA | NA |
| High - Greater than 600 mg/L | \$7.58 | NA | NA | NA | NA | NA |
| Institutional | | | | | | |
| Institutional | \$2.70 | NA | NA | NA | NA | NA |
| School (submetered) | 2.07 | NA | NA | NA | NA | NA |
| School (non-submetered) | 2.70 | NA | NA | NA | NA | NA |
| Industrial | | | | | | |
| A - Less than 1,000 mg/L | \$9.30 | NA | NA | NA | NA | NA |
| B - Between 1,000 and 1,500 mg/L | 11.69 | NA | NA | NA | NA | NA |
| C - Greater than 1,500 mg/L | 14.09 | NA | NA | NA | NA | NA |
| Commercial/Institutional/Industrial | | | | | | |
| Less than or equal to 300 mg/L | NA | \$3.29 | \$3.39 | \$3.49 | \$3.60 | \$3.71 |
| Between 300 and 450 mg/L | NA | \$4.20 | \$4.33 | \$4.46 | \$4.59 | \$4.73 |
| Between 450 and 600 mg/L | NA | \$5.12 | \$5.27 | \$5.43 | \$5.59 | \$5.76 |
| Between 600 and 750 mg/L | NA | \$6.03 | \$6.21 | \$6.39 | \$6.58 | \$6.78 |
| Between 750 and 900 mg/L | NA | \$6.94 | \$7.15 | \$7.36 | \$7.58 | \$7.81 |
| Between 900 and 1,050 mg/L | NA | \$7.85 | \$8.08 | \$8.33 | \$8.58 | \$8.83 |
| Greater than 1,050 mg/L | To Be Determined by the District on an Individual Basis | | | | | |
| DERWA | | | | | | |
| \$/Connection | \$6.65 | NA | NA | NA | NA | NA |
| Demand \$/MG | \$125.90 | \$3,888.52 | \$4,005.18 | \$4,125.33 | \$4,249.09 | \$4,376.56 |
| BOD - \$/lbs. | \$0.0579 | \$0.3549 | \$0.3655 | \$0.3765 | \$0.3878 | \$0.3994 |
| TSS - \$/lbs. | \$0.0194 | \$0.7164 | \$0.7379 | \$0.7600 | \$0.7828 | \$0.8063 |
| Septic Haulers (A1 Enterprises) - \$/gal | \$0.0690 | \$0.0358 | \$0.0369 | \$0.0380 | \$0.0391 | \$0.0403 |

5.4 Local Sewer Rate Design

Local sewer rates were calculated by taking the distributed revenue requirement and dividing by the billing units, dwelling units for single family/townhomes and Multifamily/condominiums and for Non-residential billed volume. Table 5-12 provides the local sewer system rates for 2024.

| Table 5-12 Local System Sewer Rate Calculation | | | |
|---|------------------|----------------|---------------------|
| | Single Family | Multifamily | Non- Residential |
| Allocated Cost | \$2,784,719 | \$1,415,219 | \$606,283 |
| Billing Unit | 19,054 | 13,232 | 469,752 |
| Bi-monthly Rate | \$24.36 | \$17.83 | NA |
| Rate per CCF | NA | NA | \$1.29 |

As noted, the FY 2024 rates are based on the results of the cost of service analysis. For rates after FY 2024, the proposed rates are adjusted by the overall revenue needs as developed in the revenue requirement analysis. The revenue requirement resulted in a rate adjustment of 7.0% in FY 2025, followed by annual inflationary adjustments. As noted, the annual inflationary adjustment will be based on the February to February change in the San Francisco/Hayward CPI-U. Table 5-13 provides the projected local sewer system rates through 2028.

| Table 5-13 Local System Residential Sewer Rates | | | | | | |
|--|------------------|------------|------------|------------|------------|------------|
| Customer Class | Current Rates | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 |
| Residential | | | | | | |
| Single Family | \$23.09 | \$24.36 | \$26.06 | \$26.85 | \$27.65 | \$28.48 |
| Townhouse | \$23.09 | \$24.36 | \$26.06 | \$26.85 | \$27.65 | \$28.48 |
| Condominium | \$17.32 | \$17.83 | \$19.07 | \$19.65 | \$20.23 | \$20.84 |
| Duplex | \$46.18 | \$48.72 | \$52.13 | \$53.69 | \$55.30 | \$56.96 |
| Single Family Home with 2nd Dwelling Unit | \$38.17 | \$42.18 | \$45.14 | \$46.49 | \$47.89 | \$49.32 |
| Multifamily | \$15.08 | \$17.83 | \$19.07 | \$19.65 | \$20.23 | \$20.84 |
| Non-Residential | \$1.23 | \$1.29 | \$1.38 | \$1.42 | \$1.46 | \$1.51 |

5.5 Summary of the Comprehensive Sewer Rate Study

This section of the report has discussed the development and results of the comprehensive regional and local sewer rate study conducted for the District. The results of the comprehensive regional and local sewer rate study indicated that regional and local sewer rates are deficient for the projected ten-year time period reviewed. The implementation of as needed rate adjustments, as shown in the rate tables in this chapter, should generate the additional revenue needed to meet the regional sewer system's increased operating and transfer payment needs.

The proposed regional sewer rates, as proposed herein for FY 2024 through FY 2028, are cost-

based and proportional to the District's regional and local customers. The proposed rates were developed using generally accepted rate making methods and principles. These rates will enable the District's regional sewer system to operate in a financially sound and prudent manner.

Appendices

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 1 - Escalation Factors

| | | Actual | Budget | Projected | | | | | | | | |
|--|------------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 |
| Revenues: | | | | | | | | | | | | |
| DSRSD Customer Growth - SF | Calculated | 0.77% | 1.93% | 1.80% | 2.58% | 3.20% | 2.66% | 1.33% | 0.73% | 0.67% | 0.74% | |
| DSRSD Customer Growth - MFR/Condo | Calculated | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| DSRSD Customer Growth - Commercial | Calculated | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| DSRSD Customer Growth - Institutional | Calculated | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| City of Pleasanton Customer Growth - SF | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| City of Pleasanton Customer Growth - Condo | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| City of Pleasanton Customer Growth - MFR | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| City of Pleasanton Customer Growth - Commercial | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| City of Pleasanton Customer Growth - Institutional | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| Miscellaneous Revenues | Budget | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | |
| CPI Adj | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| Expenses: | | | | | | | | | | | | |
| Labor | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| Benefits - Medical | Budget | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | |
| Benefits - PERS/Retirement | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | |
| Benefits - FICA/PU | Budget | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| Benefits - Other | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | |
| Materials & Supplies | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| Equipment | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| JPA Line | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | |
| Miscellaneous | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| Utilities | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | |
| Customer Growth | Calculated | 0.77% | 1.93% | 1.80% | 2.58% | 3.20% | 2.66% | 1.33% | 0.73% | 0.67% | 0.74% | |
| Interest Earnings: | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | |
| New Debt Service: | | | | | | | | | | | | |
| Low Interest Loans | | | | | | | | | | | | |
| Term in Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Rate | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| Revenue Bond | | | | | | | | | | | | |
| Term in Years | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Rate | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 3.50% | 5.00% | 5.00% | |

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 1 - Escalation Factors

| | | Actual | Budget | Projected | | | | | | | | |
|--|------------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 |
| Revenues: | | | | | | | | | | | | |
| DSRSD Customer Growth - SF | Calculated | 0.77% | 1.93% | 1.80% | 2.58% | 3.20% | 2.66% | 1.33% | 0.73% | 0.67% | 0.74% | |
| DSRSD Customer Growth - MFR/Condo | Calculated | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| DSRSD Customer Growth - Commercial | Calculated | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| DSRSD Customer Growth - Institutional | Calculated | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| City of Pleasanton Customer Growth - SF | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| City of Pleasanton Customer Growth - Condo | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| City of Pleasanton Customer Growth - MFR | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| City of Pleasanton Customer Growth - Commercial | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| City of Pleasanton Customer Growth - Institutional | Calculated | 0.00% | 0.00% | 0.82% | 0.82% | 0.81% | 0.92% | 0.91% | 0.90% | 0.90% | 0.90% | |
| Miscellaneous Revenues | Budget | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | |
| CPI Adj | | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| Expenses: | | | | | | | | | | | | |
| Labor | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| Benefits - Medical | Budget | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | |
| Benefits - PERS/Retirement | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | |
| Benefits - FICA/PU | Budget | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| Benefits - Other | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | |
| Materials & Supplies | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| Equipment | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| JPA Line | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | |
| Miscellaneous | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | |
| Utilities | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | |
| Customer Growth | Calculated | 0.77% | 1.93% | 1.80% | 2.58% | 3.20% | 2.66% | 1.33% | 0.73% | 0.67% | 0.74% | |
| Interest Earnings: | | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | |
| New Debt Service: | | | | | | | | | | | | |
| Low Interest Loans | | | | | | | | | | | | |
| Term in Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Rate | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| Revenue Bond | | | | | | | | | | | | |
| Term in Years | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Rate | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 3.50% | 5.00% | 5.00% | |

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 2 - Enterprise Fund

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| Account Name | Actual | Budget | Projected | | | | | | | | | Notes |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | |
| Sources of Funds | | | | | | | | | | | | |
| Rate Revenue - Dublin/San Ramon | | | | | | | | | | | | |
| Residential | | | | | | | | | | | | |
| Single Family | | \$6,516,392 | \$6,642,082 | \$6,761,712 | \$6,936,413 | \$7,158,282 | \$7,348,530 | \$7,446,025 | \$7,500,043 | \$7,550,108 | \$7,605,707 | DSRSD Customer Growth - SF |
| Condominium | | 1,497,258 | \$1,497,258 | \$1,497,258 | \$1,497,258 | \$1,497,258 | \$1,497,258 | \$1,497,258 | \$1,497,258 | \$1,497,258 | \$1,497,258 | DSRSD Customer Growth - MFR/Condo |
| Multi-Family | | 1,325,865 | \$1,325,865 | \$1,325,865 | \$1,325,865 | \$1,325,865 | \$1,325,865 | \$1,325,865 | \$1,325,865 | \$1,325,865 | \$1,325,865 | DSRSD Customer Growth - MFR/Condo |
| Commercial | | | | | | | | | | | | |
| Low | | 552,509 | \$552,509 | \$552,509 | \$552,509 | \$552,509 | \$552,509 | \$552,509 | \$552,509 | \$552,509 | \$552,509 | DSRSD Customer Growth - Commercial |
| Medium | | 455,713 | \$455,713 | \$455,713 | \$455,713 | \$455,713 | \$455,713 | \$455,713 | \$455,713 | \$455,713 | \$455,713 | DSRSD Customer Growth - Commercial |
| High | | 233,623 | \$233,623 | \$233,623 | \$233,623 | \$233,623 | \$233,623 | \$233,623 | \$233,623 | \$233,623 | \$233,623 | DSRSD Customer Growth - Commercial |
| Institutional | | | | | | | | | | | | |
| School (submetered) | | 62,999 | \$62,999 | \$62,999 | \$62,999 | \$62,999 | \$62,999 | \$62,999 | \$62,999 | \$62,999 | \$62,999 | DSRSD Customer Growth - Institutional |
| School (non-submetered) | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | DSRSD Customer Growth - Institutional |
| Institutional All Others | | 30,402 | \$30,402 | \$30,402 | \$30,402 | \$30,402 | \$30,402 | \$30,402 | \$30,402 | \$30,402 | \$30,402 | DSRSD Customer Growth - Institutional |
| Industrial/Demand | | | | | | | | | | | | |
| Bureau of Prisons (FCI) | | 687,425 | \$687,425 | \$687,425 | \$687,425 | \$687,425 | \$687,425 | \$687,425 | \$687,425 | \$687,425 | \$687,425 | DSRSD Customer Growth - Commercial |
| Santa Rita Jail | | 803,101 | \$803,101 | \$803,101 | \$803,101 | \$803,101 | \$803,101 | \$803,101 | \$803,101 | \$803,101 | \$803,101 | DSRSD Customer Growth - Commercial |
| DERWA Internal Backwash | | 48,592 | \$49,564 | \$50,556 | \$51,567 | \$52,598 | \$53,650 | \$54,723 | \$55,817 | \$56,934 | \$58,072 | Miscellaneous Revenues |
| Total Rate Revenues - Dublin/San Ramon | \$12,213,880 | \$12,213,880 | \$12,340,542 | \$12,461,163 | \$12,636,875 | \$12,859,775 | \$13,051,075 | \$13,149,643 | \$13,204,756 | \$13,255,937 | \$13,312,675 | |
| Rate Revenue - Pleasanton | | | | | | | | | | | | |
| Residential | | | | | | | | | | | | |
| Single Family | | \$6,853,552 | \$6,853,552 | \$6,909,934 | \$6,966,316 | \$7,022,697 | \$7,087,086 | \$7,151,475 | \$7,215,863 | \$7,280,832 | \$7,346,385 | City of Pleasanton Customer Growth - SF |
| Condominium | | \$376,453 | \$376,453 | \$379,550 | \$382,647 | \$385,744 | \$389,281 | \$392,818 | \$396,355 | \$399,923 | \$403,524 | City of Pleasanton Customer Growth - Condo |
| Multi-Family | | \$1,153,272 | \$1,153,272 | \$1,162,760 | \$1,172,247 | \$1,181,735 | \$1,192,570 | \$1,203,404 | \$1,214,239 | \$1,225,172 | \$1,236,203 | City of Pleasanton Customer Growth - MFR |
| Commercial - | | | | | | | | | | | | |
| Low | | 1,126,305 | \$1,126,305 | \$1,135,571 | \$1,144,837 | \$1,154,102 | \$1,164,684 | \$1,175,266 | \$1,185,847 | \$1,196,524 | \$1,207,297 | City of Pleasanton Customer Growth - Commercial |
| Medium | | 687,123 | \$687,123 | \$692,776 | \$698,428 | \$704,081 | \$710,537 | \$716,992 | \$723,448 | \$729,961 | \$736,533 | City of Pleasanton Customer Growth - Commercial |
| High | | 146,696 | \$146,696 | \$147,903 | \$149,109 | \$150,316 | \$151,694 | \$153,073 | \$154,451 | \$155,841 | \$157,245 | City of Pleasanton Customer Growth - Commercial |
| Schools/Institutional | | | | | | | | | | | | |
| School (submetered) | | 22,683 | \$22,683 | \$22,869 | \$23,056 | \$23,243 | \$23,456 | \$23,669 | \$23,882 | \$24,097 | \$24,314 | City of Pleasanton Customer Growth - Institutional |
| School (non-submetered) | | 362 | \$362 | \$365 | \$368 | \$371 | \$375 | \$378 | \$381 | \$385 | \$388 | City of Pleasanton Customer Growth - Institutional |
| Institutional All Others | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | City of Pleasanton Customer Growth - Institutional |
| Industrial/Demand | | | | | | | | | | | | |
| A1 Enterprise (Septic) | | 23,388 | \$23,388 | \$23,580 | \$23,772 | \$23,965 | \$24,184 | \$24,404 | \$24,624 | \$24,846 | \$25,069 | City of Pleasanton Customer Growth - Commercial |
| Clorox | | 55,409 | \$55,409 | \$55,865 | \$56,321 | \$56,776 | \$57,297 | \$57,818 | \$58,338 | \$58,863 | \$59,393 | City of Pleasanton Customer Growth - Commercial |
| D.R. Horton | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | City of Pleasanton Customer Growth - Commercial |
| Roche Molecular Systems | | 40,405 | \$40,405 | \$40,737 | \$41,070 | \$41,402 | \$41,782 | \$42,161 | \$42,541 | \$42,924 | \$43,310 | City of Pleasanton Customer Growth - Commercial |
| San Francisco PUC | | 3,176 | \$3,176 | \$3,203 | \$3,229 | \$3,255 | \$3,285 | \$3,315 | \$3,344 | \$3,374 | \$3,405 | City of Pleasanton Customer Growth - Commercial |
| Thermo Fisher Scientific | | 117,660 | \$117,660 | \$118,628 | \$119,596 | \$120,564 | \$121,670 | \$122,775 | \$123,881 | \$124,996 | \$126,121 | City of Pleasanton Customer Growth - Commercial |
| Castlewood | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | City of Pleasanton Customer Growth - Commercial |
| Fairgrounds | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | City of Pleasanton Customer Growth - Commercial |
| Total Rate Revenues - Pleasanton | \$10,606,485 | \$10,606,485 | \$10,606,485 | \$10,693,741 | \$10,780,996 | \$10,868,252 | \$10,967,899 | \$11,067,547 | \$11,167,194 | \$11,267,739 | \$11,369,188 | |
| Miscellaneous Revenues | | | | | | | | | | | | |
| Enterprise Operations | | | | | | | | | | | | |
| IW (Pleasanton) | \$80,391 | \$82,721 | \$84,376 | \$86,063 | \$87,785 | \$89,540 | \$91,331 | \$93,158 | \$95,021 | \$96,921 | \$98,860 | Miscellaneous Revenues |
| IW (All Others) | 71,994 | 74,081 | 75,563 | 77,074 | 78,615 | 80,188 | 81,791 | 83,427 | 85,096 | 86,798 | 88,534 | Miscellaneous Revenues |
| Brine Zone 7, Reverse Osmosis | 68,716 | 70,777 | 72,193 | 73,636 | 75,109 | 76,611 | 78,144 | 79,706 | 81,301 | 82,927 | 84,585 | Miscellaneous Revenues |
| DERWA Energy Offset and DERWA/LAVWMA Lab Fees | 7,800 | 8,034 | 8,195 | 8,359 | 8,526 | 8,696 | 8,870 | 9,048 | 9,229 | 9,413 | 9,601 | Miscellaneous Revenues |
| Other DERWA Charges, Lab Fees etc | 998,070 | 997,098 | 1,017,040 | 1,037,380 | 1,058,128 | 1,079,291 | 1,100,876 | 1,122,894 | 1,145,352 | 1,168,259 | 1,191,624 | Miscellaneous Revenues |
| Easement Purchase Agreement from Pleasanton | 604,722 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Miscellaneous Revenues |
| Interest | 101,056 | 103,289 | 223,612 | 223,836 | 222,749 | 221,616 | 222,114 | 223,184 | 218,689 | 207,087 | 195,907 | Calculated on Reserves |
| Total Miscellaneous Revenues | \$1,932,749 | \$1,336,000 | \$1,480,977 | \$1,506,349 | \$1,530,912 | \$1,555,942 | \$1,583,127 | \$1,611,416 | \$1,634,686 | \$1,651,404 | \$1,669,111 | |
| Total Sources of Funds | \$24,753,114 | \$24,156,365 | \$24,428,004 | \$24,661,252 | \$24,948,783 | \$25,283,968 | \$25,602,101 | \$25,828,606 | \$26,006,636 | \$26,175,080 | \$26,350,974 | |

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 2 - Enterprise Fund

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| Account Name | Actual | Budget | Projected | | | | | | | | | Notes |
|---------------------------------------|-------------|---------------|---------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|
| | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | |
| | | -2.4% | 1.1% | 1.0% | 1.2% | 1.3% | 1.3% | 0.9% | 0.7% | 0.6% | 0.7% | |
| Application of Funds | | | | | | | | | | | | |
| Sewer Operations | | | | | | | | | | | | |
| Personnel Services | | | 555,110 | 3,402 | 35,258 | (23,571) | (523,492) | | | | | |
| Salaries | \$5,959,857 | \$6,073,867 | \$6,811,193 | \$7,015,529 | \$7,225,995 | \$7,442,774 | \$7,666,058 | \$7,896,039 | \$8,132,921 | \$8,376,908 | \$8,628,215 | Labor |
| Overtime | 333,970 | \$334,080 | \$344,102 | 354,425 | 365,058 | 376,010 | 387,290 | 398,909 | 410,876 | 423,203 | 435,899 | Labor |
| Shift Pay | 80,518 | \$80,518 | \$82,933 | 85,421 | 87,984 | 90,624 | 93,342 | 96,142 | 99,027 | 101,998 | 105,057 | Labor |
| Standby Pay | | \$86,000 | \$88,580 | 91,237 | 93,975 | 96,794 | 99,698 | 102,688 | 105,769 | 108,942 | 112,210 | Labor |
| Medical | 864,910 | \$886,532 | \$978,587 | 1,076,446 | 1,184,090 | 1,302,500 | 1,432,750 | 1,576,024 | 1,733,627 | 1,906,990 | 2,097,689 | Benefits - Medical |
| Retirement | 1,666,920 | \$1,804,742 | \$1,930,237 | 1,898,285 | 1,864,202 | 1,804,291 | 1,681,964 | 1,757,219 | 1,845,080 | 1,937,334 | 2,034,201 | Benefits - PERS/Retirement |
| Other Benefits | 367,397 | \$372,526 | \$367,582 | 385,961 | 405,259 | 425,522 | 446,798 | 469,138 | 492,595 | 517,225 | 543,086 | Benefits - Other |
| Salary / Benefit Credit | (1,033,758) | (\$1,049,400) | (\$1,604,374) | (1,652,505) | (1,702,081) | (1,753,143) | (1,805,737) | (1,859,909) | (1,915,707) | (1,973,178) | (2,032,373) | Labor |
| Training Costs | 107,016 | \$93,285 | \$96,084 | 98,966 | 101,935 | 104,993 | 108,143 | 111,387 | 114,729 | 118,171 | 121,716 | Labor |
| Group Training Services | 10,000 | \$10,000 | \$10,300 | 10,609 | 10,927 | 11,255 | 11,593 | 11,941 | 12,299 | 12,668 | 13,048 | Labor |
| Temporary Help | 150,913 | \$91,689 | \$94,440 | 97,273 | 100,191 | 103,197 | 106,293 | 109,482 | 112,766 | 116,149 | 119,634 | Materials & Supplies |
| Interns | 89,173 | \$93,340 | \$96,140 | 99,024 | 101,995 | 105,055 | 108,207 | 111,453 | 114,796 | 118,240 | 121,788 | Materials & Supplies |
| Uniforms & Safety Equipment | 19,640 | \$19,340 | \$19,920 | 20,518 | 21,133 | 21,767 | 22,420 | 23,093 | 23,786 | 24,499 | 25,234 | Materials & Supplies |
| Employee Memberships & Certifications | 22,613 | \$17,793 | \$18,327 | 18,877 | 19,443 | 20,026 | 20,627 | 21,246 | 21,883 | 22,540 | 23,216 | Miscellaneous |
| Total Personnel Services | \$8,639,169 | \$8,914,313 | \$9,334,052 | \$9,600,067 | \$9,880,108 | \$10,151,665 | \$10,379,445 | \$10,824,853 | \$11,304,447 | \$11,811,688 | \$12,348,619 | |
| Material & Supplies | | | | | | | | | | | | |
| Chemicals | \$436,636 | \$620,636 | \$639,255 | \$658,433 | \$678,186 | \$698,531 | \$719,487 | \$741,072 | \$763,304 | \$786,203 | \$809,789 | Materials & Supplies |
| Equipment Under \$10,000 | 139,716 | 112,509 | 115,884 | 119,361 | 122,942 | 126,630 | 130,429 | 134,342 | 138,372 | 142,523 | 146,799 | Materials & Supplies |
| Fluids | 48,000 | 48,000 | 49,440 | 50,923 | 52,451 | 54,024 | 55,645 | 57,315 | 59,034 | 60,805 | 62,629 | Materials & Supplies |
| Fuel | 53,787 | 78,818 | 81,183 | 83,618 | 86,127 | 88,711 | 91,372 | 94,113 | 96,937 | 99,845 | 102,840 | Materials & Supplies |
| Gas & Electric | 1,564,406 | 1,764,606 | 1,852,836 | 1,945,478 | 2,042,752 | 2,144,889 | 2,252,134 | 2,364,740 | 2,482,977 | 2,607,126 | 2,737,482 | Utilities |
| General Supplies | 835,372 | 999,380 | 1,029,361 | 1,060,242 | 1,092,050 | 1,124,811 | 1,158,555 | 1,193,312 | 1,229,111 | 1,265,985 | 1,303,964 | Materials & Supplies |
| Tools | 43,248 | 45,056 | 46,408 | 47,800 | 49,234 | 50,711 | 52,232 | 53,799 | 55,413 | 57,076 | 58,788 | Materials & Supplies |
| Office Supplies/Services | 20,860 | 20,860 | 21,486 | 22,130 | 22,794 | 23,478 | 24,182 | 24,908 | 25,655 | 26,425 | 27,218 | Materials & Supplies |
| Total Material & Supplies | \$3,142,025 | \$3,689,865 | \$3,835,853 | \$3,987,985 | \$4,146,534 | \$4,311,785 | \$4,484,037 | \$4,663,601 | \$4,850,803 | \$5,045,987 | \$5,249,509 | |
| Contract Services | | | | | | | | | | | | |
| Legal Services | \$15,800 | \$15,800 | \$16,274 | \$16,762 | \$17,265 | \$17,783 | \$18,317 | \$18,866 | \$19,432 | \$20,015 | \$20,615 | Miscellaneous |
| Professional Services | 503,005 | 513,430 | 528,833 | 544,698 | 561,039 | 577,870 | 595,206 | 613,062 | 631,454 | 650,398 | 669,910 | Miscellaneous |
| Advertising | 7,400 | 7,400 | 7,622 | 7,851 | 8,086 | 8,329 | 8,579 | 8,836 | 9,101 | 9,374 | 9,655 | Miscellaneous |
| Equipment Lease/Rental | 19,020 | 19,020 | 19,591 | 20,178 | 20,784 | 21,407 | 22,049 | 22,711 | 23,392 | 24,094 | 24,817 | Miscellaneous |
| Maintenance Contracts | 187,501 | 193,168 | 198,963 | 204,932 | 211,080 | 217,413 | 223,935 | 230,653 | 237,573 | 244,700 | 252,041 | Miscellaneous |
| Monitoring & Testing Services | 88,000 | 88,000 | 90,640 | 93,359 | 96,160 | 99,045 | 102,016 | 105,077 | 108,229 | 111,476 | 114,820 | Miscellaneous |
| Other Services | 857,566 | 771,556 | 794,703 | 818,544 | 843,100 | 868,393 | 894,445 | 921,278 | 948,917 | 977,384 | 1,006,706 | Miscellaneous |
| Printing Services | 13,100 | 11,500 | 11,845 | 12,200 | 12,566 | 12,943 | 13,332 | 13,732 | 14,144 | 14,568 | 15,005 | Miscellaneous |
| Total Contract Services | \$1,691,391 | \$1,619,874 | \$1,668,471 | \$1,718,525 | \$1,770,080 | \$1,823,183 | \$1,877,878 | \$1,934,215 | \$1,992,241 | \$2,052,008 | \$2,113,569 | |

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 2 - Enterprise Fund

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| Account Name | Actual FY 2022 | Budget FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Projected FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Notes |
|---|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| <i>Other Expenses</i> | | | | | | | | | | | | |
| Meetings | \$8,760 | \$8,760 | \$9,023 | \$9,293 | \$9,572 | \$9,859 | \$10,155 | \$10,460 | \$10,774 | \$11,097 | \$11,430 | Miscellaneous |
| Permits, Licenses & District Mbrshps | 233,600 | \$240,600 | \$247,818 | 255,253 | 262,910 | 270,797 | 278,921 | 287,289 | 295,908 | 304,785 | 313,928 | Miscellaneous |
| Subscriptions & Publications | 1,534 | \$1,534 | \$1,580 | 1,627 | 1,676 | 1,727 | 1,778 | 1,832 | 1,887 | 1,943 | 2,002 | Miscellaneous |
| Credit Card Transaction Fees | | | \$0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Labor |
| Overhead Charges | 3,300,663 | \$3,360,965 | \$3,461,794 | 3,565,648 | 3,672,618 | 3,782,796 | 3,896,280 | 4,013,168 | 4,133,563 | 4,257,570 | 4,385,297 | Labor |
| Contribution to JPA's - O&M | 2,437,609 | 2,473,699 | \$2,597,384 | 2,727,253 | 2,863,616 | 3,006,796 | 3,157,136 | 3,314,993 | 3,480,743 | 3,654,780 | 3,837,519 | JPA Line |
| Contribution to JPA's - Debt | 173,711 | 1,215,580 | 1,216,385 | 1,215,800 | 1,215,617 | 1,215,763 | 1,216,166 | 1,215,855 | 1,215,690 | 1,215,599 | 0 | JPA Line |
| Total Other Expenses | \$6,155,877 | \$7,301,138 | \$7,533,984 | \$7,774,874 | \$8,026,009 | \$8,287,739 | \$8,560,437 | \$8,843,597 | \$9,138,564 | \$9,445,774 | \$8,550,176 | LAVVMA 2011 Debt |
| Total Sewer Operations Expenses | \$19,628,462 | \$21,525,191 | \$22,372,359 | \$23,081,452 | \$23,822,731 | \$24,574,373 | \$25,301,797 | \$26,266,265 | \$27,286,056 | \$28,355,457 | \$28,261,873 | |
| | | | 3.94% | | | | | | | | | |
| Debt Service | | | | | | | | | | | | |
| Sewer Operations Debt | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Transfer to Reserves | | | | | | | | | | | | |
| Enterprise Fund (increase Buy-In revenue) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Expansion Fund | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Replacement Fund | 1,800,000 | 2,100,000 | 2,400,000 | 2,700,000 | 3,000,000 | 3,300,000 | 3,700,000 | 4,100,000 | 4,500,000 | 4,500,000 | 4,500,000 | Note [2] |
| Other - OPEB | 430,125 | 436,694 | \$458,529 | 481,455 | 505,528 | 530,804 | 557,345 | 585,212 | 614,472 | 645,196 | 677,456 | Benefits - PERS/Retiremen |
| 5th Supplement Agreement (Regional to Water) | 660,000 | 680,000 | \$700,400 | 721,412 | 743,054 | 765,346 | 788,306 | 811,956 | 836,314 | 861,404 | 887,246 | OPEB same as retirement |
| Transfer to Rate Stabilization Fund | 194,483 | 0 | | | | | | | | | | Miscellaneous based on agreement may eli |
| Total Transfer to Reserves | \$3,084,608 | \$3,216,694 | \$3,558,929 | \$3,902,867 | \$4,248,582 | \$4,596,150 | \$5,045,651 | \$5,497,167 | \$5,950,787 | \$6,006,600 | \$6,064,701 | |
| TOTAL REVENUE REQUIREMENTS | \$22,713,070 | \$24,741,885 | \$25,931,288 | \$26,984,319 | \$28,071,313 | \$29,170,523 | \$30,347,448 | \$31,763,432 | \$33,236,843 | \$34,362,057 | \$34,326,575 | |
| | | 8.9% | 4.8% | 4.1% | 4.0% | 3.9% | 4.0% | 4.7% | 4.6% | 3.4% | -0.1% | |
| Balance/(Deficiency) of Funds | \$2,040,044 | (\$585,520) | (\$1,503,284) | (\$2,323,067) | (\$3,122,530) | (\$3,886,555) | (\$4,745,347) | (\$5,934,826) | (\$7,230,207) | (\$8,186,977) | (\$7,975,601) | |
| Cumulative Balance as a % of Rate Revenues | -8.9% | 2.6% | 6.6% | 10.0% | 13.3% | 16.4% | 19.8% | 24.5% | 29.7% | 33.4% | 32.3% | |
| Annual Balance as a % of Rate Revenues | -8.9% | 12.6% | 3.9% | 3.3% | 3.0% | 2.7% | 2.9% | 4.0% | 4.1% | 2.9% | -0.8% | |
| Less: Use of Reserves | | | | | | | | | | | | |
| Enterprise Fund | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Use of Reserves | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Net Balance/(Deficiency) of Funds | \$2,040,044 | (\$585,520) | (\$1,503,284) | (\$2,323,067) | (\$3,122,530) | (\$3,886,555) | (\$4,745,347) | (\$5,934,826) | (\$7,230,207) | (\$8,186,977) | (\$7,975,601) | |
| Cumulative Net Balance as a % of Rate Revenues | -8.9% | 2.6% | 6.6% | 10.0% | 13.3% | 16.4% | 19.8% | 24.5% | 29.7% | 33.4% | 32.3% | |
| Annual Net Balance as a % of Rate Revenues | -8.9% | 12.6% | 3.9% | 3.3% | 3.0% | 2.7% | 2.9% | 4.0% | 4.1% | 2.9% | -0.8% | |
| Proposed Rate Adjustment | 0.0% | 0.0% | 6.6% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | |
| Additional Revenue from Adjustment | \$0 | \$0 | \$1,514,504 | \$2,268,717 | \$3,065,854 | \$3,911,494 | \$4,798,808 | \$5,710,078 | \$6,650,124 | \$7,627,980 | \$8,647,955 | |
| Total Balance/(Deficiency) of Funds | \$2,040,044 | (\$585,520) | \$11,220 | (\$54,349) | (\$56,676) | \$24,939 | \$53,462 | (\$224,747) | (\$580,083) | (\$558,997) | \$672,354 | |
| Additional Rate Increase Needed | -8.9% | 2.6% | 0.0% | 0.2% | 0.2% | -0.1% | -0.2% | 0.8% | 1.9% | 1.7% | -2.0% | |

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 2 - Enterprise Fund

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| Account Name | Actual | Budget | Projected | | | | | | | | | Notes |
|--|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------------|
| | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | |
| Average Residential Bi-Monthly Impact | | \$59.53 | | | | | | | | | | |
| After Rate Adjustment Required | | \$61.06 | \$63.43 | \$65.50 | \$67.47 | \$69.28 | \$71.29 | \$74.12 | \$77.19 | \$79.40 | \$78.77 | |
| Bi-Monthly \$ Change | | \$1.53 | \$2.37 | \$2.07 | \$1.97 | \$1.81 | \$2.01 | \$2.83 | \$3.07 | \$2.21 | (\$0.64) | |
| After Proposed Rate Adjustment | | \$59.53 | \$63.46 | \$65.36 | \$67.32 | \$69.34 | \$71.42 | \$73.57 | \$75.77 | \$78.05 | \$80.39 | |
| Bi-Monthly \$ Change | | \$0.00 | \$3.93 | \$1.90 | \$1.96 | \$2.02 | \$2.08 | \$2.14 | \$2.21 | \$2.27 | \$2.34 | |
| Annual \$ Change | | - | 23.57 | 11.42 | 11.77 | 12.12 | 12.48 | 12.86 | 13.24 | 13.64 | 14.05 | |
| Debt Service Coverage Ratio | | | | | | | | | | | | |
| Before Rate Adjustment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| After RR Rate Adjustment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| After Proposed Rate Adjustment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Sewer Enterprise Fund - 300 | | | | | | | | | | | | |
| Beginning Cash Reserve Balance | \$9,726,066 | \$11,766,110 | \$11,180,590 | \$11,191,810 | \$11,137,461 | \$11,080,784 | \$11,105,723 | \$11,159,185 | \$10,934,437 | \$10,354,355 | \$9,795,358 | |
| Plus: To Operating Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Calculated Interest | 214,922 | 229,467 | 223,724 | 223,293 | 222,182 | 221,865 | 222,649 | 220,936 | 212,888 | 201,497 | 202,631 | Not included in Ending Balance |
| Less: Uses of Funds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Balance/(Deficiency) of Funds | 2,040,044 | (585,520) | 11,220 | (54,349) | (56,676) | 24,939 | 53,462 | (224,747) | (580,083) | (558,997) | 672,354 | |
| Ending Balance | \$11,766,110 | \$11,180,590 | \$11,191,810 | \$11,137,461 | \$11,080,784 | \$11,105,723 | \$11,159,185 | \$10,934,437 | \$10,354,355 | \$9,795,358 | \$10,467,712 | |
| Minimum reserve = 60 days of annual O&M | \$3,226,596 | \$3,538,388 | \$3,677,648 | \$3,794,211 | \$3,916,065 | \$4,039,623 | \$4,159,199 | \$4,317,742 | \$4,485,379 | \$4,661,171 | \$4,645,787 | |
| Maximum reserve = 180 days of annual O&M | \$9,679,789 | \$10,615,163 | \$11,032,944 | \$11,382,634 | \$11,748,196 | \$12,118,869 | \$12,477,598 | \$12,953,227 | \$13,456,137 | \$13,983,513 | \$13,937,362 | |
| | 2,086,321 | 565,427 | 158,866 | (245,173) | (667,412) | (1,013,145) | (1,318,414) | (2,018,789) | (3,101,783) | (4,188,155) | (3,469,650) | |
| Target (4 months) | 6,542,821 | 7,175,064 | 7,457,453 | 7,693,817 | 7,940,910 | 8,191,458 | 8,433,932 | 8,755,422 | 9,095,352 | 9,451,819 | 9,420,624 | |
| Sewer Rate Stabilization Fund - 305 | | | | | | | | | | | | |
| Beginning Cash Reserve Balance | \$11,950,251 | \$12,049,369 | \$12,153,073 | \$12,447,398 | \$12,748,796 | \$13,057,436 | \$13,373,489 | \$13,697,132 | \$14,028,545 | \$14,262,782 | \$14,607,665 | |
| Plus: From Enterprise Fund | | | | | | | | | | | | |
| Calculated Interest | 108,118 | 112,704 | 303,595 | 310,946 | 318,474 | 326,183 | 334,076 | 342,160 | 245,306 | 356,285 | 364,898 | |
| Transfers In | 194,483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Less: Uses of Funds | | | | | | | | | | | | |
| Operating Expenditures | 9,000 | 9,000 | \$9,270 | 9,548 | 9,835 | 10,130 | 10,433 | 10,746 | 11,069 | 11,401 | 11,743 | Miscellaneous |
| Transfers Out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Ending Balance | \$12,049,369 | \$12,153,073 | \$12,447,398 | \$12,748,796 | \$13,057,436 | \$13,373,489 | \$13,697,132 | \$14,028,545 | \$14,262,782 | \$14,607,665 | \$14,960,821 | |

Notes:

- [1] Interest Income Calculated on Enterprise Funds Prior proposed rate adjustments.
[2] Transfer for Replacement Fund Capital Projects, per ENGR's Replace: \$23,405,885

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 3 - Replacement Fund

Page 1 of 1

| | Budget FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | Projected | | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Notes |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------|
| | | | | | | FY 2027 | FY 2028 | | | | | |
| Beginning Balance | \$32,272,598 | \$25,539,848 | \$24,237,373 | \$25,334,029 | \$19,677,626 | \$20,975,379 | \$23,710,387 | \$23,705,001 | \$23,259,804 | \$17,806,135 | \$10,880,734 | |
| Replacement Revenues | | | | | | | | | | | | |
| Capacity Reserve Fees | \$2,000,231 | \$3,302,790 | \$2,282,888 | \$1,511,938 | \$2,824,575 | \$2,881,067 | \$2,938,688 | \$2,997,462 | \$3,057,411 | \$3,118,559 | \$3,180,930 | Input |
| Transfers from Operations | 1,800,000 | 2,100,000 | 2,400,000 | 2,700,000 | 3,000,000 | 3,300,000 | 3,700,000 | 4,100,000 | 4,500,000 | 4,500,000 | 4,500,000 | |
| Interest Income | 322,726 | 255,398 | 490,806 | 445,660 | 402,505 | 442,433 | 469,459 | 464,998 | 406,593 | 284,028 | 290,776 | Calculated |
| Total Replacement Revenues | \$4,122,957 | \$5,658,188 | \$5,173,694 | \$4,657,598 | \$6,227,080 | \$6,623,500 | \$7,108,147 | \$7,562,460 | \$7,964,004 | \$7,902,588 | \$7,971,706 | |
| Total Replacement Funds Available | \$36,395,555 | \$31,198,036 | \$29,411,067 | \$29,991,627 | \$25,904,706 | \$27,598,879 | \$30,818,534 | \$31,267,461 | \$31,223,808 | \$25,708,723 | \$18,852,440 | |
| Replacement Expenses | | | | | | | | | | | | |
| Sewer Replacement O&M | | | | | | | | | | | | |
| <i>Other Expenses</i> | | | | | | | | | | | | |
| Expenses | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | As Miscellaneous |
| Allocated Costs | 279,600 | 279,600 | 287,988 | 296,628 | 305,526 | 314,692 | 324,133 | 333,857 | 343,873 | 354,189 | 364,815 | As Labor |
| Total Other Expenses | \$279,600 | \$279,600 | \$287,988 | \$296,628 | \$305,526 | \$314,692 | \$324,133 | \$333,857 | \$343,873 | \$354,189 | \$364,815 | |
| <i>Non-Capitalized Projects</i> | 674,094 | \$124,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | CIP |
| Total Sewer Replacement O&M | \$953,694 | \$403,600 | \$287,988 | \$296,628 | \$305,526 | \$314,692 | \$324,133 | \$333,857 | \$343,873 | \$354,189 | \$364,815 | |
| Total Replacement Capital Projects | \$9,902,013 | \$6,557,063 | \$3,789,050 | \$10,017,374 | \$4,623,800 | \$3,573,800 | \$6,789,400 | \$7,673,800 | \$13,073,800 | \$14,473,800 | \$0 | See exh. 4A - 2 |
| Debt Service | | | | | | | | | | | | |
| 1997 Ref Rev Bond (P&I) - Repl. | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | Debt Schedule |
| LAVVMA debt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Debt Schedule |
| New Replacement Debt Payments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Calculated |
| Total Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Replacement Expenses | \$10,855,707 | \$6,960,663 | \$4,077,038 | \$10,314,002 | \$4,929,326 | \$3,888,492 | \$7,113,533 | \$8,007,657 | \$13,417,673 | \$14,827,989 | \$364,815 | |
| Ending Balance Sewer Replacement Fund | \$25,539,848 | \$24,237,373 | \$25,334,029 | \$19,677,626 | \$20,975,379 | \$23,710,387 | \$23,705,001 | \$23,259,804 | \$17,806,135 | \$10,880,734 | \$18,487,626 | |

| | Budget | Projected | | | | | | | | | | Notes |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------|
| | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | |
| Beginning Balance | \$42,061,722 | \$42,427,087 | \$46,813,713 | \$49,569,395 | \$50,987,697 | \$53,564,300 | \$56,174,431 | \$49,298,739 | \$54,684,864 | \$54,184,609 | \$56,963,118 | |
| Expansion Revenues | | | | | | | | | | | | |
| Connection Fees - Expansion Fund | \$5,390,725 | \$8,746,658 | \$6,045,690 | \$4,004,010 | \$7,480,219 | \$7,629,823 | \$7,782,420 | \$7,938,068 | \$8,096,829 | \$8,258,766 | \$8,423,941 | Input |
| Transfers from Replacement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Input |
| Transfers from Operations | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Input |
| Interest | 420,617 | 386,284 | 954,288 | 995,615 | 1,035,168 | 1,086,522 | 1,044,289 | 1,029,541 | 1,077,916 | 1,100,473 | 1,223,502 | Calculated |
| Total Expansion Revenues | \$5,811,342 | \$9,132,942 | \$6,999,978 | \$4,999,625 | \$8,515,387 | \$8,716,345 | \$8,826,709 | \$8,967,609 | \$9,174,745 | \$9,359,239 | \$9,647,443 | |
| Total Expansion Funds Available | \$47,873,064 | \$51,560,029 | \$53,813,691 | \$54,569,019 | \$59,503,084 | \$62,280,646 | \$65,001,139 | \$58,266,348 | \$63,859,609 | \$63,543,848 | \$66,610,561 | |
| Expansion Expenses | | | | | | | | | | | | |
| Sewer Expansion O&M | | | | | | | | | | | | |
| Other Expenses | | | | | | | | | | | | |
| EBDA Capacity Payment | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Allocated Costs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | As Miscellaneous |
| Total Other Expenses | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Non-Capitalized Projects | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | CIP |
| Total Sewer Expansion O&M | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Expansion Capital Projects | \$4,934,286 | \$1,165,640 | \$661,250 | \$0 | \$2,358,000 | \$2,525,000 | \$12,120,000 | \$0 | \$6,094,000 | \$3,000,000 | \$0 | See Exh. 4B - 2 |
| Debt Service | | | | | | | | | | | | |
| Regional Bank Bond | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | Debt Schedule |
| LAVWMA debt | 511,691 | 3,580,676 | 3,583,047 | 3,581,323 | 3,580,784 | 3,581,215 | 3,582,400 | 3,581,484 | 3,580,999 | 3,580,730 | 0 | Debt Schedule |
| Other Expansion Related Debt Payments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Debt Schedule |
| Total Debt Service | \$511,691 | \$3,580,676 | \$3,583,047 | \$3,581,323 | \$3,580,784 | \$3,581,215 | \$3,582,400 | \$3,581,484 | \$3,580,999 | \$3,580,730 | \$0 | |
| Total Expansion Expenses | \$5,445,977 | \$4,746,316 | \$4,244,297 | \$3,581,323 | \$5,938,784 | \$6,106,215 | \$15,702,400 | \$3,581,484 | \$9,674,999 | \$6,580,730 | \$0 | |
| Ending Balance Sewer Expansion Fund | \$42,427,087 | \$46,813,713 | \$49,569,395 | \$50,987,697 | \$53,564,300 | \$56,174,431 | \$49,298,739 | \$54,684,864 | \$54,184,609 | \$56,963,118 | \$66,610,561 | |

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 5 - Capital Improvement Plan

Page 1 of 2

| | % Split | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | Future | Total |
|---|---------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|
| Replacement (Fund 310) | | | | | | | | | | | | | |
| General | | | | | | | | | | | | | |
| District Offices Accessibility Improvements | 53% | | | | | | | \$265,000 | | | | | \$265,000 |
| District offices Backup Generator Replacement | 50% | | 475,000 | | | | | | | | | | 475,000 |
| Industrial Control Network Security Essentials | 52% | 139,104 | | | | | | | | | | | 139,104 |
| Enterprise Resource Program System Conversion | 50% | 375,000 | | | | | | | | | | | 375,000 |
| Distric Office Roof Repair | 50% | 35,000 | | | | | | | | | | | 35,000 |
| Computing Infrastructure Replacement | 50% | 80,000 | 60,000 | | | | | | | | | | 140,000 |
| Wide Area Network Communications Phase 2 | 46% | 62,378 | | | | | | | | | | | 62,378 |
| Fleet Replacement Program | 30% | | | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 90,000 | 450,000 | 1,170,000 |
| Facilities Asset Replacement Program | 66% | | | 283,800 | 283,800 | 283,800 | 283,800 | 283,800 | 283,800 | 283,800 | 283,800 | 1,419,000 | 3,689,400 |
| Network Infrastructure and Security | 50% | | 50,000 | 75,000 | 125,000 | | 250,000 | | | | | | 500,000 |
| Regional Wastewater Treatment | | | | | | | | | | | | | |
| Cogeneration room Cooling | 100% | 111,000 | | | | | | | | | | | 111,000 |
| East Amador Lift Station Rehabilitation | 100% | 1,350,000 | | | | | | | | | | | 1,350,000 |
| Cogeneration Engine #4 | 100% | | | 1,000,000 | 7,000,000 | | | | | | | | 8,000,000 |
| WWTP Security Improvements | 100% | | | | 454,574 | | | | | | | | 454,574 |
| WWTP /Biosolids Master Plan | 15% | | | 97,500 | | | | | | | | | 97,500 |
| Flocculation Baffles in Secondary Clarifiers | 100% | | | | 80,000 | | | | | | | | 80,000 |
| Recoating and Rehabilitation of Digester 3, 2, and 1 | 100% | | | | | 350,000 | 350,000 | 500,000 | | | | | 1,200,000 |
| Inner Sewer Flow Metering | 100% | | | | | | 500,000 | | | | | | 500,000 |
| Backup Power at Laboratory | 80% | | | 72,000 | | | | | | | | | 72,000 |
| Laboratory Cabinetry Replacement | 80% | | | 160,000 | | | | | | | | | 160,000 |
| WWTP Energy Master Plan | 80% | 640,000 | | | | | | | | | | | 640,000 |
| WWTP HVAC Replacement | 100% | 60,000 | 150,000 | | | | | | | | | | 210,000 |
| WWTP Roof Replacement | 100% | | 300,000 | | | | | | | | | | 300,000 |
| Cogen Catalyst Housing Replacement | 100% | 310,000 | | | | | | | | | | | 310,000 |
| WWTP Process Assessment | 100% | 100,000 | 175,000 | | | | | | | | | | 275,000 |
| WWTP Administration Building (Building A) Remodel/Renovation | 100% | | 100,000 | | | | | | | | | | 100,000 |
| WWTP Fire Alarm System Improvement | 100% | 143,120 | | | | | | | | | | | 143,120 |
| Biogas Treatment System Improvements | 33% | 747,450 | 426,360 | | | | | | | | | | 1,173,810 |
| EPS1 and EPS2 Pump Modifications | 100% | | 100,703 | | | | | | | | | | 100,703 |
| Primary Sedimentation Expansion and Improvement | 15% | 507,395 | | | | | | | | | | | 507,395 |
| biogas Flare Improvements | 100% | 340,000 | 920,000 | | | | | | | | | | 1,260,000 |
| RWTF Replacement and Rehabilitation Program | 100% | 500,000 | 500,000 | 1,200,000 | 1,600,000 | 1,900,000 | 2,100,000 | 2,300,000 | 2,300,000 | 2,100,000 | 2,100,000 | 6,500,000 | 23,100,000 |
| WWTP SCADA Improvements | 100% | 3,030,000 | 1,000,000 | | | | | | | | | | 4,030,000 |
| WWTP Electrical System Master Plan | 100% | | 500,000 | | | | | | | | | | 500,000 |
| Alum Addition | 75% | 1,144,500 | | | | | | | | | | | 1,144,500 |
| Wet Weather Flow Capacity and Chlorine Contact Tank Dewatering | 85% | | | 610,750 | | | | | | | | | 610,750 |
| WWTP Recycled and Potable Water Systems | 100% | | | 200,000 | 184,000 | | | | | | | | 384,000 |
| Public Outreach Signage at WWTP | 100% | | 100,000 | | | | | | | | | | 100,000 |
| Recoating of Digester Interior Covers 3, 2 and 1 | 100% | 227,066 | | | | | | | | | | | 227,066 |
| Hypochlorite Building Rehabilitation | 100% | | 490,000 | | | | | | | | | | 490,000 |
| WWTP Motor Control Center and Distribution Panel "A: Improvements | 100% | | | | | | 1,350,600 | | | | | | 1,350,600 |
| WWTP Pavement Repair | 100% | | | | 200,000 | | | | | | | | 200,000 |
| WWTP Fencing and Security - Phase 2 | 100% | | 1,210,000 | | | | | | | | | | 1,210,000 |
| Odor Reduction Tower Replacement | 100% | | | | | 2,000,000 | | | | | | | 2,000,000 |
| Cogeneration Engine Replacement | 100% | | | | | | | 2,000,000 | 5,000,000 | 5,000,000 | | | 12,000,000 |
| Nutrient Removal | 80% | | | | | | | | | 5,600,000 | 12,000,000 | 12,000,000 | 29,600,000 |
| Total Replacement Fund CIP | | \$9,902,013 | \$6,557,063 | \$3,789,050 | \$10,017,374 | \$4,623,800 | \$3,573,800 | \$6,789,400 | \$7,673,800 | \$13,073,800 | \$14,473,800 | \$20,369,000 | \$100,842,900 |

Dublin San Ramon Service District
Regional Sewer Utility
Revenue Requirement
Exhibit 5 - Capital Improvement Plan

Page 2 of 2

| | % Split | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | Future | Total |
|--|---------|-------------|-------------|-----------|------|-------------|-------------|--------------|------|-------------|-------------|--------------|--------------|
| Expansion (Fund 320) | | | | | | | | | | | | | |
| Regional Wastewater Treatment | 85% | | | \$552,500 | | | | | | | | | \$552,500 |
| WWTP/Biosolids Master Plan | 20% | 160,000 | | | | | | | | | | | 160,000 |
| WWTP Energy Master Plan | 67% | 1,517,550 | 865,640 | | | | | | | | | | 2,383,190 |
| Biogas Treatment System Improvements | 85% | 2,875,236 | | | | | | | | | | | 2,875,236 |
| Primary Sedimentation Expansion and Improvements | 25% | 381,500 | | | | | | | | | | | 381,500 |
| Alum Addition | 15% | | | 108,750 | | | | | | | | | 108,750 |
| Wet Weather Flow Capacity and Chlorine Contact Tank Dewatering | 100% | | 300,000 | | | | 2,525,000 | 12,120,000 | | | | 11,900,000 | 26,845,000 |
| Biosolids Dewatering Facility | 100% | | | | | | | | | | | 5,560,000 | 5,560,000 |
| Emergency Power for Distribution Panel-D | 100% | | | | | | | | | 4,694,000 | | | 4,694,000 |
| Cover Primary Clarifiers | 100% | | | | | 2,358,000 | | | | | | | 2,358,000 |
| Nutrient Removal | 20% | | | | | | | | | 1,400,000 | 3,000,000 | 3,000,000 | 7,400,000 |
| Total Expansion Fund CIP | | \$4,934,286 | \$1,165,640 | \$661,250 | \$0 | \$2,358,000 | \$2,525,000 | \$12,120,000 | \$0 | \$6,094,000 | \$3,000,000 | \$20,460,000 | \$53,318,176 |

| | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|--|--------------------------------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|-------|
| RESIDENTIAL | | | | | | | | | | | | | |
| <i>Single Family</i> | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Rate/Acct | <i>\$59.53</i> | 17,725 | 0 | 17,725 | 0 | 17,725 | 0 | 17,725 | 0 | 17,725 | 0 | 17,725 | 0 |
| Revenue | | \$1,055,169 | \$0 | \$1,055,169 | \$0 | \$1,055,169 | \$0 | \$1,055,169 | \$0 | \$1,055,169 | \$0 | \$1,055,169 | \$0 |
| <i>Townhouse</i> | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Rate/Acct | <i>\$59.53</i> | 259 | 0 | 259 | 0 | 259 | 0 | 259 | 0 | 259 | 0 | 259 | 0 |
| Revenue | | \$15,418 | \$0 | \$15,418 | \$0 | \$15,418 | \$0 | \$15,418 | \$0 | \$15,418 | \$0 | \$15,418 | \$0 |
| <i>Condominium</i> | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Rate/Acct | <i>\$39.61</i> | 6,300 | 0 | 6,300 | 0 | 6,300 | 0 | 6,300 | 0 | 6,300 | 0 | 6,300 | 0 |
| Revenue | | \$249,543 | \$0 | \$249,543 | \$0 | \$249,543 | \$0 | \$249,543 | \$0 | \$249,543 | \$0 | \$249,543 | \$0 |
| <i>Duplex</i> | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Rate/Acct | <i>\$119.06</i> | 41 | 0 | 41 | 0 | 41 | 0 | 41 | 0 | 41 | 0 | 41 | 0 |
| Revenue | | \$4,881 | \$0 | \$4,881 | \$0 | \$4,881 | \$0 | \$4,881 | \$0 | \$4,881 | \$0 | \$4,881 | \$0 |
| <i>Single Family Home with 2nd Dwelling Unit</i> | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Rate/Acct | <i>\$92.67</i> | 178 | 0 | 178 | 0 | 178 | 0 | 178 | 0 | 178 | 0 | 178 | 0 |
| Revenue | | \$16,495 | \$0 | \$16,495 | \$0 | \$16,495 | \$0 | \$16,495 | \$0 | \$16,495 | \$0 | \$16,495 | \$0 |
| <i>Multi-Family</i> | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Rate/Acct | <i>\$33.14</i> | 6,490 | 0 | 6,490 | 0 | 6,490 | 0 | 6,490 | 0 | 6,490 | 0 | 6,490 | 0 |
| Revenue | | \$215,079 | \$0 | \$215,079 | \$0 | \$215,079 | \$0 | \$215,079 | \$0 | \$215,079 | \$0 | \$215,079 | \$0 |
| TOTAL RESIDENTIAL REVENUE | | \$1,556,586 | \$0 | \$1,556,586 | \$0 | \$1,556,586 | \$0 | \$1,556,586 | \$0 | \$1,556,586 | \$0 | \$1,556,586 | \$0 |

| | | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|---------------------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|-----------|-------------|
| COMMERCIAL | | | | | | | | | | | | | | |
| <i>Low</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | <u>\$2.70</u> | 16,705 | 19,030 | 21,163 | 20,975 | 19,149 | 17,325 | 15,816 | 14,829 | 14,682 | 13,895 | 14,803 | 16,264 | 204,633 |
| Revenue | | \$45,104 | \$51,380 | \$57,140 | \$56,631 | \$51,701 | \$46,778 | \$42,702 | \$40,038 | \$39,641 | \$37,515 | \$39,967 | \$43,913 | \$552,509 |
| <i>Medium</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | <u>\$5.43</u> | 6,742 | 7,228 | 7,657 | 7,613 | 7,448 | 6,969 | 7,010 | 6,999 | 6,575 | 6,166 | 6,531 | 6,989 | 83,925 |
| Revenue | | \$36,609 | \$39,245 | \$41,578 | \$41,336 | \$40,443 | \$37,839 | \$38,062 | \$38,005 | \$35,702 | \$33,481 | \$35,463 | \$37,950 | \$455,713 |
| <i>High</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | <u>\$7.58</u> | 2,759 | 2,655 | 2,803 | 2,597 | 2,511 | 2,430 | 2,317 | 2,496 | 2,476 | 2,506 | 2,546 | 2,728 | 30,821 |
| Revenue | | \$20,909 | \$20,125 | \$21,247 | \$19,681 | \$19,033 | \$18,416 | \$17,559 | \$18,920 | \$18,764 | \$18,992 | \$19,299 | \$20,678 | \$233,623 |
| TOTAL COMMERCIAL REVENUE | | \$102,622 | \$110,750 | \$119,964 | \$117,648 | \$111,177 | \$103,032 | \$98,323 | \$96,963 | \$94,108 | \$89,988 | \$94,729 | \$102,541 | \$1,241,845 |
| INSTITUTIONAL | | | | | | | | | | | | | | |
| <i>School (submetered)</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | <u>\$2.70</u> | 1,848 | 1,825 | 1,878 | 2,517 | 2,534 | 2,015 | 1,947 | 1,164 | 1,188 | 2,171 | 2,273 | 1,976 | 23,333 |
| Revenue | | \$4,990 | \$4,926 | \$5,069 | \$6,796 | \$6,842 | \$5,439 | \$5,256 | \$3,143 | \$3,208 | \$5,860 | \$6,136 | \$5,335 | \$62,999 |
| <i>School (non-submetered)</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | <u>\$2.07</u> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Revenue | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| <i>Institutional All Others</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | <u>\$2.70</u> | 801 | 588 | 588 | 1,151 | 1,151 | 1,056 | 1,056 | 930 | 930 | 1,106 | 1,106 | 801 | 11,260 |
| Revenue | | \$2,163 | \$1,586 | \$1,586 | \$3,106 | \$3,106 | \$2,850 | \$2,850 | \$2,510 | \$2,510 | \$2,986 | \$2,986 | \$2,163 | \$30,402 |
| TOTAL INSTITUTIONAL REVENUE | | \$7,152 | \$6,512 | \$6,656 | \$9,902 | \$9,948 | \$8,289 | \$8,105 | \$5,652 | \$5,717 | \$8,847 | \$9,122 | \$7,498 | \$93,401 |

| | | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|----------------------------------|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| BUREAU OF PRISONS (FCI) | | | | | | | | | | | | | | |
| | <u>\$/Conne.</u> | | | | | | | | | | | | | |
| Connections | \$0.00 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u>\$/CCF</u> | | | | | | | | | | | | | |
| Peak Month Loadings | | | | | | | | | | | | | | |
| A - Less than 1,000 mg/L | 9.30 | 6,783 | 6,145 | 7,012 | 6,799 | 6,464 | 6,197 | 6,127 | 6,118 | 5,602 | 5,765 | 5,367 | 5,538 | 73,917 |
| B - Between 1,000 and 1,500 mg/L | 11.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C - Greater than 1,500 mg/L | 14.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Demand Charge | | \$63,082 | \$57,149 | \$65,208 | \$63,234 | \$60,113 | \$57,632 | \$56,983 | \$56,898 | \$52,097 | \$53,614 | \$49,911 | \$51,504 | \$687,425 |
| TOTAL PRISONS REVENUES | | \$63,082 | \$57,149 | \$65,208 | \$63,234 | \$60,113 | \$57,632 | \$56,983 | \$56,898 | \$52,097 | \$53,614 | \$49,911 | \$51,504 | \$687,425 |
| SANTA RITA JAIL | | | | | | | | | | | | | | |
| | <u>\$/Conne.</u> | | | | | | | | | | | | | |
| Connections | \$0.00 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u>\$/CCF</u> | | | | | | | | | | | | | |
| Peak Month Loadings | | | | | | | | | | | | | | |
| A - Less than 1,000 mg/L | 9.30 | 6,552 | 6,298 | 7,363 | 7,330 | 7,616 | 7,241 | 7,188 | 6,711 | 6,827 | 7,566 | 7,491 | 8,172 | 86,355 |
| B - Between 1,000 and 1,500 mg/L | 11.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C - Greater than 1,500 mg/L | 14.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Demand Charge | | \$60,931 | \$58,569 | \$68,477 | \$68,166 | \$70,827 | \$67,346 | \$66,848 | \$62,410 | \$63,492 | \$70,367 | \$69,671 | \$75,999 | \$803,101 |
| TOTAL JAIL REVENUES | | \$60,931 | \$58,569 | \$68,477 | \$68,166 | \$70,827 | \$67,346 | \$66,848 | \$62,410 | \$63,492 | \$70,367 | \$69,671 | \$75,999 | \$803,101 |

| | | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|---|--------------------------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|-----------|
| Internal Filter Backwash (DERWA) | | | | | | | | | | | | | | |
| | <u><i>\$/Connec.</i></u> | | | | | | | | | | | | | |
| Connections | \$6.65 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| Total Connection Charge | | \$7 | \$0 | \$7 | \$0 | \$7 | \$0 | \$7 | \$0 | \$7 | \$0 | \$7 | \$0 | \$40 |
| Flow in CCF | \$0.0942 | 21,768 | 22,086 | 18,172 | 11,321 | 13,149 | 8,267 | 4,695 | 5,361 | 9,900 | 20,089 | 18,724 | 21,087 | 174,617 |
| | <u><i>\$/MG</i></u> | | | | | | | | | | | | | |
| Demand | \$125.90 | 16.29 | 16.53 | 13.60 | 8.47 | 9.84 | 6.19 | 3.51 | 4.01 | 7.41 | 15.04 | 14.02 | 15.78 | 130.704 |
| BOD lbs | 0.05795 | 16,533 | 18,248 | 10,680 | 10,884 | 21,191 | 5,935 | 2,842 | 3,325 | 6,591 | 22,385 | 27,644 | 37,188 | 183,447 |
| TSS lbs | 0.01937 | 104,781 | 142,397 | 124,600 | 83,644 | 88,918 | 53,106 | 11,101 | 21,261 | 61,889 | 154,063 | 115,602 | 146,909 | 1,108,271 |
| Total Demand Charge | | \$5,039 | \$5,897 | \$4,745 | \$3,318 | \$4,189 | \$2,152 | \$822 | \$1,110 | \$2,514 | \$6,174 | \$5,606 | \$6,988 | \$48,553 |
| Total Backwash Revenue | | \$5,046 | \$5,897 | \$4,751 | \$3,318 | \$4,196 | \$2,152 | \$829 | \$1,110 | \$2,520 | \$6,174 | \$5,612 | \$6,988 | \$48,592 |

| SUMMARY - | | | |
|--------------------------------------|---------------|--------------------------|-----------------------|
| | # Of Accounts | Consumption CCF (FY2021) | Revs At Present Rates |
| RESIDENTIAL | | | |
| Single Family | 17,725 | 2,372,909 | \$6,331,016 |
| Townhouse | 259 | 20,008 | 92,510 |
| Condominium | 6,300 | 334,798 | 1,497,258 |
| Duplex | 41 | 5,882 | 29,289 |
| Single Family Home with 2nd Dwelling | 178 | 23,829 | 63,578 |
| Second Dwelling | 178 | 12,487 | 35,394 |
| Multi-Family | 6,490 | 455,291 | 1,290,472 |
| COMMERCIAL | | | |
| Low | 464 | 204,633 | \$552,509 |
| Medium | 91 | 83,925 | 455,713 |
| High | 12 | 30,821 | 233,623 |
| INSTITUTIONAL | | | |
| School (submetered) | 37 | 23,333 | 62,999 |
| School (non-submetered) | 0 | 0 | 0 |
| Institutional All Others | 1 | 11,260 | 30,402 |
| INDUSTRIAL/DEMAND | | | |
| Bureau of Prisons (FCI) | 1 | 73,917 | 687,425 |
| Santa Rita Jail | 1 | 86,355 | 803,101 |
| DERWA Internal Backwash | 1 | 174,617 | 48,592 |
| Total | 31,779 | 3,914,066 | \$12,213,880 |

| | | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|--|--------------------------------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|
| RESIDENTIAL | | | | | | | | | | | | | | |
| <i>Single Family</i> | | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | | |
| Rate/Acct | \$59.53 | 18,783 | | 18,783 | | 18,783 | | 18,783 | | 18,783 | | 18,783 | | 18,783 |
| Revenue | | \$1,118,152 | \$0 | \$1,118,152 | \$0 | \$1,118,152 | \$0 | \$1,118,152 | \$0 | \$1,118,152 | \$0 | \$1,118,152 | \$0 | \$6,708,912 |
| <i>Condominium</i> | | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | | |
| Rate/Acct | \$39.61 | 1,584 | 0 | 1,584 | 0 | 1,584 | 0 | 1,584 | 0 | 1,584 | 0 | 1,584 | 0 | 1,584 |
| Revenue | | \$62,742 | \$0 | \$62,742 | \$0 | \$62,742 | \$0 | \$62,742 | \$0 | \$62,742 | \$0 | \$62,742 | \$0 | \$376,453 |
| <i>Single Family Home with 2nd Dwelling Unit</i> | | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | | |
| Rate/Acct | \$92.67 | 203 | 0 | 203 | 0 | 203 | 0 | 203 | 0 | 203 | 0 | 203 | 0 | 203 |
| Revenue | | \$18,812 | \$0 | \$18,812 | \$0 | \$18,812 | \$0 | \$18,812 | \$0 | \$18,812 | \$0 | \$18,812 | \$0 | \$112,872 |
| <i>Multi-Family</i> | | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | | |
| Rate/Acct | \$33.14 | 5,800 | 0 | 5,800 | 0 | 5,800 | 0 | 5,800 | 0 | 5,800 | 0 | 5,800 | 0 | 5,800 |
| Revenue | | \$192,212 | \$0 | \$192,212 | \$0 | \$192,212 | \$0 | \$192,212 | \$0 | \$192,212 | \$0 | \$192,212 | \$0 | \$1,153,272 |
| TOTAL RESIDENTIAL REVENUE | | \$1,391,918 | \$0 | \$1,391,918 | \$0 | \$1,391,918 | \$0 | \$1,391,918 | \$0 | \$1,391,918 | \$0 | \$1,391,918 | \$0 | \$8,351,509 |

| | | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|---------------------------------|------------------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|
| COMMERCIAL | | | | | | | | | | | | | | |
| <i>Low</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | \$2.70 | 43,910 | 11,243 | 42,699 | 11,734 | 45,841 | 15,649 | 45,855 | 21,581 | 50,945 | 20,204 | 45,699 | 12,808 | 368,168 |
| Revenue | | \$118,557 | \$30,356 | \$115,287 | \$31,682 | \$123,771 | \$42,252 | \$123,809 | \$58,269 | \$137,552 | \$54,551 | \$123,387 | \$34,582 | \$994,054 |
| <i>Medium</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | \$5.43 | 16,810 | 4,859 | 13,317 | 4,908 | 15,343 | 4,823 | 16,023 | 6,139 | 17,384 | 6,736 | 15,018 | 5,182 | 126,542 |
| Revenue | | \$91,278 | \$26,384 | \$72,311 | \$26,650 | \$83,312 | \$26,189 | \$87,005 | \$33,335 | \$94,395 | \$36,576 | \$81,548 | \$28,138 | \$687,123 |
| <i>High</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | \$7.58 | 1,931 | 1,192 | 1,599 | 1,251 | 2,021 | 1,251 | 1,762 | 2,019 | 1,695 | 1,969 | 1,444 | 1,219 | 19,353 |
| Revenue | | \$14,637 | \$9,035 | \$12,120 | \$9,483 | \$15,319 | \$9,483 | \$13,356 | \$15,304 | \$12,848 | \$14,925 | \$10,946 | \$9,240 | \$146,696 |
| TOTAL COMMERCIAL REVENUE | | \$224,472 | \$65,776 | \$199,719 | \$67,815 | \$222,402 | \$77,924 | \$224,169 | \$106,907 | \$244,795 | \$106,052 | \$215,881 | \$71,960 | \$1,827,872 |
| INSTITUTIONAL | | | | | | | | | | | | | | |
| <i>School (submetered)</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | \$2.70 | 729 | 1,350 | 934 | 702 | 1,208 | 266 | 140 | 773 | 414 | 95 | 1,026 | 764 | 8,401 |
| Revenue | | 1,968 | 3,645 | 2,522 | 1,895 | 3,262 | 718 | 378 | 2,087 | 1,118 | 257 | 2,770 | 2,063 | 22,683 |
| <i>School (non-submetered)</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | \$2.07 | 20 | | | 22 | 6 | | 13 | 55 | | 28 | | 31 | 175 |
| Revenue | | \$0 | \$41 | \$0 | \$46 | \$12 | \$0 | \$27 | \$114 | \$0 | \$58 | \$0 | \$64 | \$362 |
| <i>Institutional All Others</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Rate/Consumption | \$2.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Revenue | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL INSTITUTIONAL REVENUE | | \$1,968 | \$3,686 | \$2,522 | \$1,941 | \$3,274 | \$718 | \$405 | \$2,201 | \$1,118 | \$314 | \$2,770 | \$2,127 | \$23,045 |

| | | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|----------------------------------|-------------------------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|---------|---------|-----------|
| A1 Enterprises (Septic) | | | | | | | | | | | | | | |
| | <u>\$/Conne.</u> | | | | | | | | | | | | | |
| Connections | \$0.00 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u>\$/Gallon</u> | | | | | | | | | | | | | |
| Peak Month Loadings | | | | | | | | | | | | | | |
| Septic Rate | \$0.069 | 24,650 | 22,950 | 28,800 | 31,150 | 29,500 | 34,950 | 26,300 | 28,150 | 27,800 | 37,500 | 23,600 | 23,600 | 338,950 |
| Total Demand Charge | | \$1,701 | \$1,584 | \$1,987 | \$2,149 | \$2,036 | \$2,412 | \$1,815 | \$1,942 | \$1,918 | \$2,588 | \$1,628 | \$1,628 | \$23,388 |
| TOTAL INDUSTRIAL REVENUES | | \$1,701 | \$1,584 | \$1,987 | \$2,149 | \$2,036 | \$2,412 | \$1,815 | \$1,942 | \$1,918 | \$2,588 | \$1,628 | \$1,628 | \$23,388 |
| Clorox | | | | | | | | | | | | | | |
| | <u>\$/Conne.</u> | | | | | | | | | | | | | |
| Connections | \$0.00 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u>\$/Gallon</u> | | | | | | | | | | | | | |
| Peak Month Loadings | | | | | | | | | | | | | | |
| A - Less than 1,000 mg/L | 9.30 | 383 | 329 | 337 | 290 | 235 | 325 | 570 | 611 | 704 | 730 | 710 | 734 | 5,958 |
| B - Between 1,000 and 1,500 mg/L | 11.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C - Greater than 1,500 mg/L | 14.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Demand Charge | | \$3,566 | \$3,056 | \$3,139 | \$2,700 | \$2,187 | \$3,020 | \$5,299 | \$5,678 | \$6,551 | \$6,785 | \$6,604 | \$6,824 | \$55,409 |
| TOTAL INDUSTRIAL REVENUES | | \$3,566 | \$3,056 | \$3,139 | \$2,700 | \$2,187 | \$3,020 | \$5,299 | \$5,678 | \$6,551 | \$6,785 | \$6,604 | \$6,824 | \$55,409 |
| Thermo Fisher Scientific | | | | | | | | | | | | | | |
| | <u>\$/Conne.</u> | | | | | | | | | | | | | |
| Connections | \$15.16 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$15 | \$0 | \$15 | \$0 | \$15 | \$0 | \$15 | \$0 | \$15 | \$0 | \$15 | \$91 |
| | <u>\$/MGD</u> | | | | | | | | | | | | | |
| Peak Month Loadings | | | | | | | | | | | | | | |
| A - Less than 1,000 mg/L | 9.30 | 531 | 568 | 759 | 886 | 1,185 | 1,307 | 1,738 | 1,695 | 1,519 | 1,286 | 574 | 593 | 12,642 |
| B - Between 1,000 and 1,500 mg/L | 11.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C - Greater than 1,500 mg/L | 14.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Demand Charge | | \$4,938 | \$5,281 | \$7,058 | \$8,237 | \$11,023 | \$12,160 | \$16,162 | \$15,759 | \$14,130 | \$11,964 | \$5,339 | \$5,517 | \$117,570 |
| TOTAL INDUSTRIAL REVENUES | | \$4,938 | \$5,296 | \$7,058 | \$8,253 | \$11,023 | \$12,175 | \$16,162 | \$15,774 | \$14,130 | \$11,979 | \$5,339 | \$5,533 | \$117,660 |

| | | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|----------------------------------|--------------------------|--------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|-----------|
| Roche Molecular Systems | | | | | | | | | | | | | | |
| | <u>\$/Connec.</u> | | | | | | | | | | | | | |
| Connections | \$0.00 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u>\$/MGD</u> | | | | | | | | | | | | | |
| Peak Month Loadings | | | | | | | | | | | | | | |
| A - Less than 1,000 mg/L | 9.30 | 80 | 109 | 176 | 253 | 432 | 476 | 630 | 616 | 557 | 487 | 260 | 268 | 4,345 |
| B - Between 1,000 and 1,500 mg/L | 11.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C - Greater than 1,500 mg/L | 14.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Demand Charge | | \$741 | \$1,015 | \$1,634 | \$2,351 | \$4,022 | \$4,426 | \$5,862 | \$5,731 | \$5,184 | \$4,526 | \$2,415 | \$2,496 | \$40,405 |
| TOTAL INDUSTRIAL REVENUES | | \$741 | \$1,015 | \$1,634 | \$2,351 | \$4,022 | \$4,426 | \$5,862 | \$5,731 | \$5,184 | \$4,526 | \$2,415 | \$2,496 | \$40,405 |
| San Francisco PUC | | | | | | | | | | | | | | |
| | <u>\$/Connec.</u> | | | | | | | | | | | | | |
| Connections | \$0.00 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u>\$/MGD</u> | | | | | | | | | | | | | |
| Peak Month Loadings | | | | | | | | | | | | | | |
| A - Less than 1,000 mg/L | 9.30 | 19 | 40 | 25 | 21 | 23 | 27 | 43 | 29 | 32 | 24 | 27 | 32 | 342 |
| B - Between 1,000 and 1,500 mg/L | 11.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C - Greater than 1,500 mg/L | 14.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Demand Charge | | \$174 | \$373 | \$230 | \$199 | \$211 | \$249 | \$398 | \$274 | \$298 | \$224 | \$249 | \$298 | \$3,176 |
| TOTAL INDUSTRIAL REVENUES | | \$174 | \$373 | \$230 | \$199 | \$211 | \$249 | \$398 | \$274 | \$298 | \$224 | \$249 | \$298 | \$3,176 |
| CASTLEWOOD | | | | | | | | | | | | | | |
| | <u>\$/Connec.</u> | | | | | | | | | | | | | |
| Residential | \$59.53 | 0 | 202 | 0 | 202 | 0 | 202 | 0 | 202 | 0 | 202 | 0 | 202 | 202 |
| Total Connection Charge | | \$0 | \$12,022 | \$0 | \$12,022 | \$0 | \$12,022 | \$0 | \$12,022 | \$0 | \$12,022 | \$0 | \$12,022 | \$72,133 |
| | <u>\$/CCF</u> | | | | | | | | | | | | | |
| Residential Consumption | 0.00 | | 5,493 | | 5,493 | | 5,493 | | 5,493 | | 5,493 | | 5,493 | 32,960 |
| Commercial | \$2.70 | 0 | 1,845 | 0 | 1,845 | 0 | 1,845 | 0 | 1,845 | 0 | 1,845 | 0 | 1,845 | 11,069 |
| Total Commercial Charge | | \$0 | \$4,981 | \$0 | \$4,981 | \$0 | \$4,981 | \$0 | \$4,981 | \$0 | \$4,981 | \$0 | \$4,981 | \$29,888 |
| TOTAL CASTLEWOOD REVENUES | | \$0 | \$17,003 | \$0 | \$17,003 | \$0 | \$17,003 | \$0 | \$17,003 | \$0 | \$17,003 | \$0 | \$17,003 | \$102,021 |

| | | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 | Mar-21 | Apr-21 | May-21 | Jun-21 | Total |
|----------------------------|--------------------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|--------------|
| FAIRGROUNDS | | | | | | | | | | | | | | |
| | <u><i>\$/Connec.</i></u> | | | | | | | | | | | | | |
| Connections | <i>\$0.00</i> | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u><i>\$/100 CF</i></u> | | | | | | | | | | | | | |
| Demand | <i>\$2.70</i> | 0 | 6,319 | 0 | 6,319 | 0 | 6,319 | 0 | 6,319 | 0 | 6,319 | 0 | 6,319 | 37,913 |
| Total Demand Charge | | \$0 | \$17,061 | \$0 | \$17,061 | \$0 | \$17,061 | \$0 | \$17,061 | \$0 | \$17,061 | \$0 | \$17,061 | \$102,364 |
| TOTAL FAIRGROUNDS REVENUES | | \$0 | \$17,061 | \$0 | \$17,061 | \$0 | \$17,061 | \$0 | \$17,061 | \$0 | \$17,061 | \$0 | \$17,061 | \$102,364 |
| | | \$1,601,248 | \$105,110 | \$1,577,334 | \$105,969 | \$1,600,818 | \$115,118 | \$1,599,495 | \$145,115 | \$1,620,937 | \$143,018 | \$1,593,385 | \$109,779 | \$10,317,327 |

| SUMMARY | | | |
|--------------------------|----------------|------------------------|---------------------|
| | # Of Customers | Consumpt. CCF (FY2021) | Revs At Prsnt Rates |
| RESIDENTIAL | | | |
| Single-Family | 19,188 | 3,131,627 | \$6,853,552 |
| Condominiums | 1,584 | 86,472 | 376,453 |
| Multiple-Family | 6,003 | 484,991 | 1,153,272 |
| COMMERCIAL | | | |
| Low | 754 | 368,168 | \$994,054 |
| Medium | 157 | 126,542 | 687,123 |
| High | 6 | 19,353 | 146,696 |
| INSTITUTIONAL | | | |
| Schools (Submetered) | 12 | 8,401 | \$22,683 |
| Schools (Not Submetered) | 4 | 175 | 362 |
| Other Institutional | 1 | 0 | 0 |
| INDUSTRIAL/DEMAND | | | |
| A1 Enterprise (Septic) | 1 | 453 | 23,388 |
| Clorox | 1 | 5,958 | 55,409 |
| D.R. Horton | | | |
| Roche Molecular Systems | 1 | 4,345 | 40,405 |
| San Francisco PUC | 1 | 342 | 3,176 |
| Thermo Fisher Scientific | 1 | 12,642 | 117,660 |
| Castlewood | 0 | 0 | 0 |
| Fairgrounds | 0 | 0 | 0 |
| | 27,714 | 4,249,468 | \$10,474,233 |
| Total | 27,714 | 4,249,468 | \$10,474,233 |

Dublin San Ramon Service District
Regional Sewer Utility
Development of Distribution Factors
Exhibit 8 - Volume Related

| | Volume Allocation | | | | Total Annual Flow at Plant (CCF) | Avg. Daily Flow At Plant (MGD) | Combined % of Total |
|--------------------------|-------------------------------------|------------------------|----------------------------|------------------------------------|--|--------------------------------------|---------------------------|
| | FYE21 Annual Water Flow (CCF) | Winter Water Factor | Annual Sewer Flow (CCF) | 1.8% Inflow and Infiltration | | | |
| Residential | | | | | | | |
| Single Family | 5,554,255 | 51.70% | 2,871,598 | 51,689 | 2,923,287 | 5.99 | 57.4% |
| Condominium | 421,270 | 88.30% | 371,981 | 6,696 | 378,677 | 0.78 | 7.4% |
| Multi-Family | 952,769 | 85.30% | 812,712 | 14,629 | 827,341 | 1.70 | 16.2% |
| Commercial | | | | | | | |
| Low | 572,801 | 65.67% | 376,148 | 6,771 | 382,919 | 0.79 | 7.5% |
| Medium | 210,467 | 67.38% | 141,807 | 2,553 | 144,359 | 0.30 | 2.8% |
| High | 50,174 | 75.87% | 38,067 | 685 | 38,752 | 0.08 | 0.8% |
| Institutional | | | | | | | |
| School (submetered) | 31,734 | 83.00% | 26,339 | 474 | 26,813 | 0.05 | 0.5% |
| School (non-submetered) | 175 | 63.70% | 111 | 2 | 113 | 0.00 | 0.0% |
| Institutional All Others | 11,260 | 72.00% | 8,107 | 146 | 8,253 | 0.02 | 0.2% |
| Industrial | | | | | | | |
| Bureau of Prisons (FCI) | 73,917 | 100.00% | 73,917 | 1,330 | 75,247 | 0.15 | 1.5% |
| Santa Rita Jail | 86,355 | 100.00% | 86,355 | 1,554 | 87,909 | 0.18 | 1.7% |
| DERWA Internal Backwash | 174,617 | 100.00% | 174,617 | 0 | 174,617 | 0.36 | 3.4% |
| A1 Enterprise (Septic) | 453 | 100.00% | 453 | 0 | 453 | 0.00 | 0.0% |
| Clorox | 5,958 | 100.00% | 5,958 | 107 | 6,065 | 0.01 | 0.1% |
| D.R. Horton | 0 | 100.00% | 0 | 0 | 0 | 0.00 | 0.0% |
| Roche Molecular Systems | 4,345 | 100.00% | 4,345 | 78 | 4,423 | 0.01 | 0.1% |
| San Francisco PUC | 342 | 100.00% | 342 | 6 | 348 | 0.00 | 0.0% |
| Thermo Fisher Scientific | 12,642 | 100.00% | 12,642 | 228 | 12,869 | 0.03 | 0.3% |
| Castlewood | 0 | 51.70% | 0 | 0 | 0 | 0.00 | 0.0% |
| Fairgrounds | 0 | 70.00% | 0 | 0 | 0 | 0.00 | 0.0% |
| Total | 8,163,534 | | 5,005,499 | 86,948 | 5,092,447 | 10.44 | 100.0% |

(VOL - 1)

0.623804269

Dublin San Ramon Service District
Regional Sewer Utility
Development of Distribution Factors
Exhibit 9 - Customer Related

| | Actual Customer | | Weighted Customer | | | |
|--------------------------|-----------------------|---------------------------|-----------------------|---------------------|----------------------|---------------------------|
| | Number of Accounts | Combined % of Total | Number of Accounts | Weighting Factor | Weighted Customer | Combined % of Total |
| Residential | | | | | | |
| Single Family | 37,784 | 63.09% | 37,784 | 1.0 | 37,784 | 61.50% |
| Condominium | 7,884 | 13.16% | 7,884 | 1.0 | 7,884 | 12.83% |
| Multi-Family | 12,671 | 21.16% | 12,671 | 1.0 | 12,671 | 20.62% |
| Commercial | | | | | | |
| Low | 1,220 | 2.04% | 1,220 | 2.0 | 2,440 | 3.97% |
| Medium | 248 | 0.41% | 248 | 2.0 | 496 | 0.81% |
| High | 18 | 0.03% | 18 | 2.0 | 36 | 0.06% |
| Institutional | | | | | | |
| School (submetered) | 49 | 0.08% | 49 | 2.0 | 98 | 0.16% |
| School (non-submetered) | 4 | 0.01% | 4 | 2.0 | 8 | 0.01% |
| Institutional All Others | 2 | 0.00% | 2 | 2.0 | 4 | 0.01% |
| Industrial | | | | | | |
| Bureau of Prisons (FCI) | 1 | 0.00% | 1 | 2.0 | 2 | 0.00% |
| Santa Rita Jail | 1 | 0.00% | 1 | 2.0 | 2 | 0.00% |
| DERWA Internal Backwash | 1 | 0.00% | 1 | 2.0 | 2 | 0.00% |
| A1 Enterprise (Septic) | 1 | 0.00% | 1 | 2.0 | 2 | 0.00% |
| Clorox | 1 | 0.00% | 1 | 2.0 | 2 | 0.00% |
| D.R. Horton | 0 | 0.00% | 0 | 2.0 | 0 | 0.00% |
| Roche Molecular Systems | 1 | 0.00% | 1 | 2.0 | 2 | 0.00% |
| San Francisco PUC | 1 | 0.00% | 1 | 2.0 | 2 | 0.00% |
| Thermo Fisher Scientific | 1 | 0.00% | 1 | 2.0 | 2 | 0.00% |
| Castlewood | 0 | 0.00% | 0 | 1.0 | 0 | 0.00% |
| Fairgrounds | 0 | 0.00% | 0 | 2.0 | 0 | 0.00% |
| Total | 59,888 | 100.00% | 59,888 | | 61,437 | 100.00% |

(AC - 1)

(WCA - 1)

**Dublin San Ramon Service District
Regional Sewer Utility
Development of Distribution Factors
Exhibit 10 - Strength Related**

| | | Biochemical Oxygen Demand | | | Total Suspended Solids | | |
|--------------------------|----------------------|---------------------------|----------------------|---------------------------|---------------------------|----------------------|---------------------------|
| | Annual Flow (CCF) | Avg. Factor [1] (mg/l) | Calculated Pounds | Combined % of Total | Avg. Factor [1] (mg/l) | Calculated Pounds | Combined % of Total |
| Residential | | | | | | | |
| Single Family | 2,923,287 | 229 | 4,181,541 | 52.20% | 245 | 4,473,704 | 47.24% |
| Condominium | 378,677 | 229 | 541,669 | 6.76% | 245 | 579,515 | 6.12% |
| Multi-Family | 827,341 | 229 | 1,183,449 | 14.77% | 245 | 1,266,136 | 13.37% |
| Commercial | | | | | | | |
| Low | 382,919 | 300 | 717,558 | 8.96% | 300 | 717,559 | 7.58% |
| Medium | 144,359 | 600 | 541,035 | 6.75% | 600 | 541,035 | 5.71% |
| High | 38,752 | 800 | 193,649 | 2.42% | 800 | 193,650 | 2.04% |
| Institutional | | | | | | | |
| School (submetered) | 26,813 | 229 | 38,354 | 0.48% | 245 | 41,034 | 0.43% |
| School (non-submetered) | 113 | 229 | 162 | 0.00% | 245 | 174 | 0.00% |
| Institutional All Others | 8,253 | 229 | 11,805 | 0.15% | 245 | 12,630 | 0.13% |
| Industrial | | | | | | | |
| Bureau of Prisons (FCI) | 75,247 | 251 | 117,976 | 1.47% | 392 | 184,249 | 1.95% |
| Santa Rita Jail | 87,909 | 372 | 204,271 | 2.55% | 449 | 246,554 | 2.60% |
| DERWA Internal Backwash | 174,617 | 174 | 189,787 | 2.37% | 1,064 | 1,160,536 | 12.25% |
| A1 Enterprise (Septic) | 453 | 3,577 | 10,124 | 0.13% | 3,572 | 10,110 | 0.11% |
| Clorox | 6,065 | 208 | 7,880 | 0.10% | 308 | 11,669 | 0.12% |
| D.R. Horton | 0 | 0 | 0 | 0.00% | - | 0 | 0.00% |
| Roche Molecular Systems | 4,423 | 242 | 6,686 | 0.08% | 296 | 8,177 | 0.09% |
| San Francisco PUC | 348 | 147 | 319 | 0.00% | 174 | 378 | 0.00% |
| Thermo Fisher Scientific | 12,869 | 795 | 63,908 | 0.80% | 297 | 23,875 | 0.25% |
| Castlewood | 0 | 240 | 0 | 0.00% | 250 | 0 | 0.00% |
| Fairgrounds | 0 | 240 | 0 | 0.00% | 250 | 0 | 0.00% |
| Total | 5,092,447 | | 8,010,175 | 100.00% | | 9,470,985 | 100.00% |
| | | | | (BOD - 1) | (TSS - 1) | | |

Note: [1] Provided By DSRSD in File "RWW - 5C.xlsx"

Dublin San Ramon Service District
Regional Sewer Utility
Development of Distribution Factors
Exhibit 11 - Revenue Related

| | Projected Revenue FY 2024 | Combined % of Total |
|-----------------------------|------------------------------|---------------------------|
| <i>Residential</i> | | |
| Single Family | \$13,495,635 | 58.81% |
| Condominium | \$1,873,711 | 8.17% |
| Multi-Family | \$2,479,137 | 10.80% |
| <i>Commercial</i> | | |
| Low | \$1,678,814 | 7.32% |
| Medium | \$1,142,836 | 4.98% |
| High | \$380,319 | 1.66% |
| <i>Institutional</i> | | |
| School (submetered) | \$85,682 | 0.37% |
| School (non-submetered) | \$362 | 0.00% |
| Institutional All Others | \$30,402 | 0.13% |
| <i>Industrial</i> | | |
| Bureau of Prisons (FCI) | 687,425 | 3.00% |
| Santa Rita Jail | 803,101 | 3.50% |
| DERWA Internal Backwash | 49,564 | 0.22% |
| A1 Enterprise (Septic) | 23,388 | 0.10% |
| Clorox | 55,409 | 0.24% |
| D.R. Horton | 0 | 0.00% |
| Roche Molecular Systems | 40,405 | 0.18% |
| San Francisco PUC | 3,176 | 0.01% |
| Thermo Fisher Scientific | 117,660 | 0.51% |
| Castlewood | 0 | 0.00% |
| Fairgrounds | 0 | 0.00% |
| <i>Total</i> | \$22,947,027 | 100.00% |

(RR - 1)

Dublin San Ramon Service District
Regional Sewer Utility
Functionalization and Classification
Exhibit 12 - Plant In Service

| Account Name | FY 2023 | Operating Volume (VOL-1) | Strength Related | | Weighted for: | |
|-----------------------------|-----------|--------------------------------|---------------------------------|--------------------------------|------------------------------|----------------------------------|
| | | | Bio-oxygen Demand (BOD-1) | Suspended Solids (TSS-1) | Actual Customer (AC-1) | Customer Acct/Svcs (WCA-1) |
| Plant In Service | | | | | | |
| Headworks | | | | | | |
| Raw Sewage & Vactor Septage | \$41,600 | \$20,800 | \$0 | \$20,800 | \$0 | \$0 |
| Bar Screen | 4,558,700 | 2,279,350 | 0 | 2,279,350 | 0 | 0 |
| Primary Treatment | | | | | | |
| Inner Sewer | 0 | 0 | 0 | 0 | 0 | 0 |
| Influent Pump Station | 895,000 | 895,000 | 0 | 0 | 0 | 0 |
| Pre-Aeration | 577,200 | 288,600 | 0 | 288,600 | 0 | 0 |
| Primary Sedimentation | 3,613,100 | 1,806,550 | 903,275 | 903,275 | 0 | 0 |
| Secondary Treatment | | | | | | |
| RAS/Settled Sewage Channel | 83,600 | 41,800 | 20,900 | 20,900 | 0 | 0 |
| Aeration | 3,171,300 | 1,585,650 | 1,585,650 | 0 | 0 | 0 |
| Disinfection | 623,700 | 623,700 | 0 | 0 | 0 | 0 |
| Secondary Clarifiers | 4,096,500 | 2,048,250 | 491,580 | 1,556,670 | 0 | 0 |
| Final Effluent | | | | | | |
| Diversion | 18,600 | 18,600 | 0 | 0 | 0 | 0 |
| Pumping | 715,200 | 715,200 | 0 | 0 | 0 | 0 |
| Wet Weather | | | | | | |
| Holding Basins | 8,592,700 | 8,592,700 | 0 | 0 | 0 | 0 |
| Solids Processing | | | | | | |

Dublin San Ramon Service District
Regional Sewer Utility
Functionalization and Classification
Exhibit 12 - Plant In Service

| <i>Account Name</i> | FY 2023 | Operating Volume (VOL-1) | Strength Related | | Weighted for: | |
|----------------------------|----------------|---|--|---|---------------------------------------|---|
| | | | Bio-oxygen Demand (BOD-1) | Suspended Solids (TSS-1) | Actual Customer (AC-1) | Customer Acct/Svcs (WCA-1) |
| DAFT | 838,200 | 419,100 | 0 | 419,100 | 0 | 0 |
| Anaerobic Digestion | 11,260,200 | 5,630,100 | 0 | 5,630,100 | 0 | 0 |
| Digested Sludge | 760,000 | 380,000 | 0 | 380,000 | 0 | 0 |
| Facultative Sludge Lagoons | 423,400 | 211,700 | 105,850 | 105,850 | 0 | 0 |
| FOG Storage & Distribution | 303,700 | 151,850 | 0 | 151,850 | 0 | 0 |

| Revenue (RR-1) | Direct (DA) Basis of Classification |
|-------------------|--|
| \$0 | 50.0% (VOL-1)/ 50.0% (SS-1) |
| 0 | 50.0% (VOL-1)/ 50.0% (SS-1) |
| 0 | 50.0% (VOL-1)/ 50.0% (SS-1) |
| 0 | 100% (VOL-1) |
| 0 | 50.0% (VOL-1)/ 50.0% (SS-1) |
| 0 | 50.0% (VOL-1)/ 25.0% (BOD-1)/ 25.0% (SS-1) |
| 0 | 50.0% (VOL-1)/ 25.0% (BOD-1)/ 25.0% (SS-1) |
| 0 | 50.0% (VOL-1)/ 50.0% (BOD-1) |
| 0 | 100% (VOL-1) |
| 0 | 50.0% (VOL-1)/ 12.0% (BOD-1)/ 38.0% (SS-1) |
| 0 | 100% (VOL-1) |
| 0 | 100% (VOL-1) |
| 0 | 100% (VOL-1) |

| Revenue (RR-1) | Direct (DA) | Basis of Classification |
|-------------------|----------------|--|
| 0 | | 50.0% (VOL-1)/ 50.0% (SS-1) |
| 0 | | 50.0% (VOL-1)/ 50.0% (SS-1) |
| 0 | | 50.0% (VOL-1)/ 50.0% (SS-1) |
| 0 | | 50.0% (VOL-1)/ 25.0% (BOD-1)/ 25.0% (SS-1) |
| 0 | | 50.0% (VOL-1)/ 50.0% (SS-1) |

Dublin San Ramon Service District
Regional Sewer Utility
Functionalization and Classification
Exhibit 12 - Plant In Service

| Account Name | FY 2023 | Operating Volume (VOL-1) | Strength Related | | Weighted for: | |
|-----------------------------------|------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|----------------------------------|
| | | | Bio-oxygen Demand (BOD-1) | Suspended Solids (TSS-1) | Actual Customer (AC-1) | Customer Acct/Svcs (WCA-1) |
| <i>Cogeneration</i> | | | | | | |
| Cogeneration | 3,265,350 | 3,265,350 | 0 | 0 | 0 | 0 |
| <i>Odor Control</i> | | | | | | |
| ORT | 35,600 | 17,800 | 8,900 | 8,900 | 0 | 0 |
| Biofilter | 1,618,000 | 809,000 | 404,500 | 404,500 | 0 | 0 |
| Plant Before General | 45,491,650 | 29,801,100 | 3,520,655 | 12,169,895 | 0 | 0 |
| <i>Utilities & Electrical</i> | | | | | | |
| Switches | 452,400 | 150,800 | 150,800 | 150,800 | 0 | 0 |
| Transformers | 261,100 | 87,033 | 87,033 | 87,033 | 0 | 0 |
| Distribution Panels | 2,976,700 | 992,233 | 992,233 | 992,233 | 0 | 0 |
| Environmental Control Systems | 543,400 | 181,133 | 181,133 | 181,133 | 0 | 0 |
| 3 Water System | 438,800 | 146,267 | 146,267 | 146,267 | 0 | 0 |
| Chilled Water System | 133,700 | 44,567 | 44,567 | 44,567 | 0 | 0 |
| Boilers | 12,000 | 4,000 | 4,000 | 4,000 | 0 | 0 |
| Lighting | 59,800 | 19,933 | 19,933 | 19,933 | 0 | 0 |
| Gas/Oil Storage | 3,000 | 1,000 | 1,000 | 1,000 | 0 | 0 |
| Non-Process Related | 800 | 267 | 267 | 267 | 0 | 0 |
| Cogeneration (50%) | 3,265,350 | 1,088,450 | 1,088,450 | 1,088,450 | 0 | 0 |
| | 8,147,050 | 2,715,683 | 2,715,683 | 2,715,683 | 0 | 0 |
| Plant in Service | 53,638,700 | 32,516,783 | 6,236,338 | 14,885,578 | 0 | 0 |

| Revenue (RR-1) | Direct (DA) | Basis of Classification | |
|-------------------|----------------|--|----------------------|
| 0 | 0 | 100% (VOL-1) | (VOL-1) |
| 0 | | 50.0% (VOL-1)/ 25.0% (BOD-1)/ 25.0% (SS-1) | VOL-1/BOD-1/SS-1 F11 |
| 0 | | 50.0% (VOL-1)/ 25.0% (BOD-1)/ 25.0% (SS-1) | VOL-1/BOD-1/SS-1 F11 |
| 0 | 0 | | |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | | 33.3% (VOL-1)/ 33.3% (BOD-1)/ 33.3% (SS-1) | VOL-1/BOD-1/SS-1 F15 |
| 0 | 0 | | |
| 0 | 0 | | |

Regional Sewer Utility
Functionalization and Classification
Exhibit 13 - Revenue Requirement

| Account Name | FY 2024 | Operating Volume (VOL-1) | Strength Related | | Weighted for: | | Revenue (RR-1) | Direct (DA) | Basis of Classification |
|---------------------------------------|-------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|----------------------------------|-------------------|----------------|-------------------------|
| | | | Bio-oxygen Demand (BOD-1) | Suspended Solids (TSS-1) | Actual Customer (AC-1) | Customer Acct/Svcs (WCA-1) | | | |
| Application of Funds | | | | | | | | | |
| Sewer Operations | | | | | | | | | |
| Personnel Services | | | | | | | | | |
| Salaries | \$6,811,193 | \$4,129,073 | \$791,908 | \$1,890,213 | \$0 | \$0 | \$0 | \$0 | Plant in Service |
| Overtime | 344,102 | 208,601 | 40,007 | 95,494 | 0 | 0 | 0 | 0 | Plant in Service |
| Shift Pay | 82,933 | 50,276 | 9,642 | 23,015 | 0 | 0 | 0 | 0 | Plant in Service |
| Standby Pay | 88,580 | 53,699 | 10,299 | 24,582 | 0 | 0 | 0 | 0 | Plant in Service |
| Medical | 978,587 | 593,238 | 113,776 | 271,573 | 0 | 0 | 0 | 0 | Plant in Service |
| Retirement | 1,930,237 | 1,170,146 | 224,420 | 535,671 | 0 | 0 | 0 | 0 | Plant in Service |
| Other Benefits | 367,582 | 222,835 | 42,737 | 102,010 | 0 | 0 | 0 | 0 | Plant in Service |
| Salary / Benefit Credit | (1,604,374) | (972,602) | (186,534) | (445,239) | 0 | 0 | 0 | 0 | Plant in Service |
| Training Costs | 96,084 | 58,248 | 11,171 | 26,665 | 0 | 0 | 0 | 0 | Plant in Service |
| Group Training Services | 10,300 | 6,244 | 1,198 | 2,858 | 0 | 0 | 0 | 0 | Plant in Service |
| Temporary Help | 94,440 | 57,251 | 10,980 | 26,209 | 0 | 0 | 0 | 0 | Plant in Service |
| Interns | 96,140 | 58,282 | 11,178 | 26,680 | 0 | 0 | 0 | 0 | Plant in Service |
| Uniforms & Safety Equipment | 19,920 | 12,076 | 2,316 | 5,528 | 0 | 0 | 0 | 0 | Plant in Service |
| Employee Memberships & Certifications | 18,327 | 11,110 | 2,131 | 5,086 | 0 | 0 | 0 | 0 | Plant in Service |
| Total Personnel Services | \$9,334,052 | \$5,658,477 | \$1,085,230 | \$2,590,345 | \$0 | \$0 | \$0 | \$0 | |
| | | 60.6% | 11.6% | 27.8% | | | | | |
| Material & Supplies | | | | | | | | | |
| Chemicals | \$639,255 | \$387,528 | \$74,323 | \$177,403 | \$0 | \$0 | \$0 | \$0 | Plant in Service |
| Equipment Under \$10,000 | 115,884 | 70,251 | 13,473 | 32,160 | 0 | 0 | 0 | 0 | Plant in Service |
| Fluids | 49,440 | 29,971 | 5,748 | 13,720 | 0 | 0 | 0 | 0 | Plant in Service |
| Fuel | 81,183 | 49,215 | 9,439 | 22,530 | 0 | 0 | 0 | 0 | Plant in Service |
| Gas & Electric | 1,852,836 | 1,123,224 | 215,421 | 514,191 | 0 | 0 | 0 | 0 | Plant in Service |
| General Supplies | 1,029,361 | 624,018 | 119,679 | 285,664 | 0 | 0 | 0 | 0 | Plant in Service |
| Tools | 46,408 | 28,133 | 5,396 | 12,879 | 0 | 0 | 0 | 0 | Plant in Service |
| Office Supplies/Services | 21,486 | 13,025 | 2,498 | 5,963 | 0 | 0 | 0 | 0 | Plant in Service |
| Total Materials & Supplies | \$3,835,853 | \$2,325,366 | \$445,978 | \$1,064,509 | \$0 | \$0 | \$0 | \$0 | |
| | | 60.6% | 11.6% | 27.8% | | | | | |
| Contract Services | | | | | | | | | |
| Legal Services | \$16,274 | \$9,866 | \$1,892 | \$4,516 | \$0 | \$0 | \$0 | \$0 | Plant in Service |
| Professional Services | 528,833 | 320,588 | 61,485 | 146,759 | 0 | 0 | 0 | 0 | Plant in Service |
| Advertising | 7,622 | 4,621 | 886 | 2,115 | 0 | 0 | 0 | 0 | Plant in Service |
| Equipment Lease/Rental | 19,591 | 11,876 | 2,278 | 5,437 | 0 | 0 | 0 | 0 | Plant in Service |
| Maintenance Contracts | 198,963 | 120,615 | 23,133 | 55,215 | 0 | 0 | 0 | 0 | Plant in Service |
| Monitoring & Testing Services | 90,640 | 54,948 | 10,538 | 25,154 | 0 | 0 | 0 | 0 | Plant in Service |
| Other Services | 794,703 | 481,764 | 92,397 | 220,542 | 0 | 0 | 0 | 0 | Plant in Service |
| Printing Services | 11,845 | 7,181 | 1,377 | 3,287 | 0 | 0 | 0 | 0 | Plant in Service |
| Total Contract Services | \$1,668,471 | \$1,011,458 | \$193,986 | \$463,027 | \$0 | \$0 | \$0 | \$0 | |

Regional Sewer Utility
Functionalization and Classification
Exhibit 13 - Revenue Requirement

Page 2 of 2

| Account Name | FY 2024 | Strength Related | | | Weighted for: | | Revenue (RR-1) | Direct (DA) | Basis of Classification |
|---|---------------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|----------------------------------|-------------------|----------------|-------------------------|
| | | Operating Volume (VOL-1) | Bio-oxygen Demand (BOD-1) | Suspended Solids (TSS-1) | Actual Customer (AC-1) | Customer Acct/Svcs (WCA-1) | | | |
| | | 60.6% | 11.6% | 27.8% | | | | | |
| <i>Other Expenses</i> | | | | | | | | | |
| Meetings | \$9,023 | \$5,470 | \$1,049 | \$2,504 | \$0 | \$0 | \$0 | \$0 | Plant in Service |
| Permits, Licenses & District Mbrshps | \$247,818 | 150,232 | 28,813 | 68,773 | 0 | 0 | 0 | 0 | Plant in Service |
| Subscriptions & Publications | \$1,580 | 958 | 184 | 438 | 0 | 0 | 0 | 0 | Plant in Service |
| Credit Card Transaction Fees | \$0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Plant in Service |
| Overhead Charges | \$3,461,794 | 2,098,604 | 402,488 | 960,702 | 0 | 0 | 0 | 0 | Plant in Service |
| Contribution to JPA's - O&M | \$2,597,384 | 1,574,583 | 301,987 | 720,815 | 0 | 0 | 0 | 0 | Plant in Service |
| Contribution to JPA's - Debt | 1,216,385 | 737,395 | 141,424 | 337,566 | 0 | 0 | 0 | 0 | Plant in Service |
| | \$7,533,984 | \$4,567,242 | \$875,944 | \$2,090,798 | \$0 | \$0 | \$0 | \$0 | |
| Total Sewer Operations Expenses | \$22,372,359 | \$13,562,543 | \$2,601,137 | \$6,208,680 | \$0 | \$0 | \$0 | \$0 | |
| | | 60.6% | 11.6% | 27.8% | 0.0% | 0.0% | 0.0% | 0.0% | |
| Debt Service | | | | | | | | | |
| Sewer Operations Debt | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | Plant in Service |
| Total Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Transfer to Reserves | | | | | | | | | |
| Enterprise Fund (increase Buy-In revenue) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | Plant in Service |
| Expansion Fund | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Plant in Service |
| Replacement Fund | 2,400,000 | 1,454,925 | 279,038 | 666,038 | 0 | 0 | 0 | 0 | Plant in Service |
| Other - OPEB | 458,529 | 277,969 | 53,311 | 127,249 | 0 | 0 | 0 | 0 | Plant in Service |
| 5th Supplement Agreement (Regional to Water) | 700,400 | 424,596 | 81,432 | 194,372 | 0 | 0 | 0 | 0 | Plant in Service |
| Transfer to Rate Stabilization Fund | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Plant in Service |
| Total Transfer to Reserves | \$3,558,929 | \$2,157,489 | \$413,781 | \$987,658 | \$0 | \$0 | \$0 | \$0 | |
| Total Revenue Requirements | \$25,931,288 | \$15,720,032 | \$3,014,918 | \$7,196,338 | \$0 | \$0 | \$0 | \$0 | |
| | | 60.6% | 11.6% | 27.8% | 0.0% | 0.0% | 0.0% | 0.0% | |
| Less: Miscellaneous Revenue | | | | | | | | | |
| <i>Enterprise Operations</i> | | | | | | | | | |
| IW (Pleasanton) | \$84,376 | \$51,150 | \$9,810 | \$23,416 | \$0 | \$0 | \$0 | \$0 | Revenue Requirement |
| IW (All Others) | 75,563 | 45,807 | 8,785 | 20,970 | 0 | 0 | 0 | 0 | Revenue Requirement |
| Brine Zone 7, Reverse Osmosis | 72,193 | 43,764 | 8,394 | 20,035 | 0 | 0 | 0 | 0 | Revenue Requirement |
| DERWA Energy Offset and DERWA/LAVWMA Lab Fees | 8,195 | 4,968 | 953 | 2,274 | 0 | 0 | 0 | 0 | Revenue Requirement |
| Other DERWA Charges, Lab Fees etc | 1,017,040 | 616,548 | 118,247 | 282,244 | 0 | 0 | 0 | 0 | Revenue Requirement |
| Easement Purchase Agreement from Pleasanton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Revenue Requirement |
| Interest | 223,612 | 135,558 | 25,998 | 62,056 | 0 | 0 | 0 | 0 | Revenue Requirement |
| Total Miscellaneous Revenues | \$1,480,977 | \$897,796 | \$172,187 | \$410,994 | \$0 | \$0 | \$0 | \$0 | |
| Less: Use of Reserves | | | | | | | | | |
| Enterprise Fund | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | Revenue Requirement |
| Total Use of Reserves | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Net Revenue Requirements | \$24,450,311 | \$14,822,236 | \$2,842,731 | \$6,785,344 | \$0 | \$0 | \$0 | \$0 | |

Dublin San Ramon Service District
Regional Sewer Utility
Cost of Service Summary
Exhibit 14 - Distribution by Component

| Customer Classification | Total Revenue Requirement | Volume Related | Volume II | Strength Related | | Customer Related | | Revenue Related | Direct Assignment |
|------------------------------------|---------------------------|---------------------|------------|--------------------|--------------------|------------------|-------------------|-----------------|-------------------|
| | | | | Bio-Oxygen Demand | Suspended Solids | Actual Customer | Weighted Customer | | |
| Residential | | | | | | | | | |
| Single Family/ Townhome | \$13,197,715 | \$8,508,610 | \$0 | \$1,483,987 | \$3,205,118 | \$0 | \$0 | \$0 | \$0 |
| Multifamily/ Condominium | 5,444,790 | 3,510,274 | 0 | 612,227 | 1,322,289 | 0 | 0 | 0 | 0 |
| Total Residential | \$18,642,505 | \$12,018,884 | \$0 | \$2,096,214 | \$4,527,406 | \$0 | \$0 | \$0 | \$0 |
| Commercial & Industrial | \$4,388,603 | \$2,293,786 | \$0 | \$675,571 | \$1,419,246 | \$0 | \$0 | \$0 | \$0 |
| Special Users | | | | | | | | | |
| DERWA Internal Backwash | \$1,407,048 | \$508,246 | \$0 | \$67,353 | \$831,448 | \$0 | \$0 | \$0 | \$0 |
| A1 Enterprise (Septic) | 12,155 | 1,319 | 0 | 3,593 | 7,243 | 0 | 0 | 0 | 0 |
| Combined Total | \$24,450,311 | \$14,822,236 | \$0 | \$2,842,731 | \$6,785,344 | \$0 | \$0 | \$0 | \$0 |

Dublin San Ramon Service District
Regional Sewer Utility
Cost of Service Summary
Exhibit 15 - Summary of Cost Distribution

| Customer Classification | Revenues at Present Rates | Allocated Revenue Requirement | Balance/ (Deficiency) of Funds | Required % Change in Rates |
|------------------------------------|---------------------------------|-------------------------------------|--------------------------------------|----------------------------------|
| Residential | | | | |
| Single Family/ Townhome | \$13,495,635 | \$13,197,715 | \$297,919 | -2.2% |
| Multifamily/ Condominium | 4,352,849 | 5,444,790 | (1,091,941) | 25.1% |
| Total Residential | \$17,848,483 | \$18,642,505 | (\$794,022) | 4.4% |
| Commercial & Industrial | \$5,025,592 | \$4,388,603 | 636,989 | -12.7% |
| Special Users | | | | |
| DERWA Internal Backwash | \$49,564 | \$1,407,048 | (\$1,357,484) | 2738.8% |
| A1 Enterprise (Septic) | 23,388 | 12,155 | 11,233 | -48.0% |
| Total System | \$22,947,027 | \$24,450,311 | (\$1,503,284) | 6.6% |

Dublin San Ramon Service District
Regional Sewer Utility
Cost of Service Summary
Exhibit 16 - Average Unit Cost

| | Revenue Requirements | | | | | | | | Basic Data | |
|--------------------------|----------------------|------------|-----------|-----------|-----------|----------------|--------------|---------|------------|-----------|
| | Volume | Bio-Oxygen | Suspended | Revenue/ | Total | Customer | Total | Current | | |
| | Costs | Demand | Solids | Direct | | Costs | Average Cost | Revenue | Annual | Number of |
| | \$/100 CF | \$/100 CF | \$/100 CF | \$/100 CF | \$/100 CF | \$/Cust./Month | \$/CCF | \$/CCF | Flow (CCF) | Customers |
| Residential | | | | | | | | | | |
| Single Family/ Townhome | \$2.91 | \$0.51 | \$1.10 | \$0.00 | \$4.51 | \$0.00 | \$4.51 | \$4.62 | 2,923,287 | 37,784 |
| Multifamily/ Condominium | 2.91 | 0.51 | 1.10 | 0.00 | 4.51 | 0.00 | 4.51 | 3.61 | 1,206,018 | 20,555 |
| Total Residential | \$2.91 | \$0.51 | \$1.10 | \$0.00 | \$4.51 | \$0.00 | \$4.51 | \$4.32 | 4,129,305 | 58,339 |
| Commercial & Industrial | \$2.91 | \$0.86 | \$1.80 | \$0.00 | \$5.57 | \$0.00 | \$5.57 | \$6.38 | 788,072 | 1,546 |
| Special Users | | | | | | | | | | |
| DERWA Internal Backwash | \$2.91 | \$0.39 | \$4.76 | \$0.00 | \$8.06 | \$0.00 | \$8.06 | \$0.28 | 174,617 | 1 |
| A1 Enterprise (Septic) | 2.91 | 7.93 | 15.99 | 0.00 | 26.83 | 0.00 | 26.83 | 51.62 | 453 | 1 |
| System Average | \$2.91 | \$0.56 | \$1.33 | \$0.00 | \$4.80 | \$0.00 | \$4.80 | \$4.51 | 5,092,447 | 59,887 |

Dublin San Ramon Service District
Regional Sewer Utility
Rate Design
Exhibit 17 - Rate Design by Customer

Page 1 of 2

Residential

| | Distributed Cost | Billing Units | Cost/Billing Unit | Bimonthly Rate |
|-------------------------|-------------------------|----------------------|--------------------------|-----------------------|
| Single Family/Townhome | \$13,197,715 | 37,784 | \$349.30 | \$58.22 |
| Multifamily/Condominium | 5,444,790 | 20,555 | \$264.89 | \$44.15 |

Special Users

| | | | | |
|---------------|-----------|--------------|------------|---------------------|
| DERWA | | | | |
| Volume Rate | \$508,246 | 130.70 | \$3,888.52 | per Million Gallons |
| BOD per lbs. | \$67,353 | 189,787 | 0.3549 | per lbs. |
| TSS per lbs. | \$831,448 | 1,160,535.60 | 0.7164 | per lbs. |
| Septic Hauler | 12,154.84 | 339,163.21 | \$0.036 | per Gallon |

Dublin San Ramon Service District
Regional Sewer Utility
Rate Design
Exhibit 17 - Rate Design by Customer

Page 2 of 2

Non-Residential

| | Vol | BOD | TSS | |
|--|------------------------|---------------------|---------------------|---------------------|
| Distributed Cost | | | | |
| Commercial | \$1,647,505 | \$515,387 | \$1,040,438 | |
| Institutional | \$102,396 | \$17,859 | \$38,572 | |
| Industrial | \$543,885 | \$142,325 | \$340,236 | |
| Distributed Cost | \$2,293,786 | \$675,571 | \$1,419,246 | \$4,388,603 |
| Units | CCF Inflow | lbs of BOD | lbs of TSS | |
| Commercial | 833,442 | 1,452,243 | 1,452,244 | |
| Institutional | 43,169 | 50,322 | 53,838 | |
| Industrial | 183,558 | 401,040 | 474,902 | |
| | 1,060,169 | 1,903,606 | 1,980,984 | |
| Unit Cost | | | | |
| Cost/lbs (\$/lbs) | | \$0.3548900 | \$0.7164348 | |
| Cost/mg (\$/(lbs x 453,592)) | | \$0.0000008 | \$0.0000016 | |
| Volume Cost per Unit | \$2.16 | | | |
| Commercial, Institutional, Industrial | | | | |
| Cost per CCF | Median Strength | Volume | BOD | TSS |
| Less than or equal to 300 mg/L | 225 | \$2.16 | 0.51 | 1.03 |
| Between 300 and 450 mg/L | 375 | \$2.16 | 0.85 | 1.71 |
| Between 450 and 600 mg/L | 525 | \$2.16 | 1.18 | 2.39 |
| Between 600 and 750 mg/L | 675 | \$2.16 | 1.52 | 3.08 |
| Between 750 and 900 mg/L | 825 | \$2.16 | 1.86 | 3.76 |
| Between 900 and 1,050 mg/L | 975 | \$2.16 | 2.20 | 4.44 |
| Adjustment for Return Water | Return Factor | Adjusted BOD | Adjusted TSS | |
| Less than or equal to 300 mg/L | 74% | \$0.37 | \$0.76 | |
| Between 300 and 450 mg/L | 80% | 0.68 | 1.36 | |
| Between 450 and 600 mg/L | 83% | 0.98 | 1.97 | |
| Between 600 and 750 mg/L | 84% | 1.28 | 2.58 | |
| Between 750 and 900 mg/L | 85% | 1.58 | 3.19 | |
| Between 900 and 1,050 mg/L | 86% | 1.88 | 3.80 | |
| Final Rates | Volume \$/CCF | BOD \$/CCF | TSS \$/CCF | Total \$/CCF |
| Less than or equal to 300 mg/L | 2.16 | \$0.37 | \$0.76 | \$3.29 |
| Between 300 and 450 mg/L | 2.16 | \$0.68 | \$1.36 | \$4.20 |
| Between 450 and 600 mg/L | 2.16 | \$0.98 | \$1.97 | \$5.11 |
| Between 600 and 750 mg/L | 2.16 | \$1.28 | \$2.58 | \$6.03 |
| Between 750 and 900 mg/L | 2.16 | \$1.58 | \$3.19 | \$6.94 |
| Between 900 and 1,050 mg/L | 2.16 | \$1.88 | \$3.80 | \$7.85 |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 1 - Escalation Factors

| | Actual FY 2022 | Budget FY 2023 | Projected | | | | | | | | |
|----------------------------|-------------------|-------------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 |
| Revenues: | | | | | | | | | | | |
| Customer Growth | 1.5% | 0.77% | 1.93% | 1.80% | 2.58% | 3.20% | 2.66% | 1.33% | 0.73% | 0.67% | 0.74% |
| Flat | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Miscellaneous Revenues | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| New Customers | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Expenses: | | | | | | | | | | | |
| Labor | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Benefits - Medical | Budget | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Benefits - PERS/Retirement | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Benefits - FICA/PU | Budget | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Benefits - Other | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Materials & Supplies | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Equipment | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Miscellaneous | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Utilities | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Growth: | 1.5% | 0.8% | 1.9% | 1.8% | 2.6% | 3.2% | 2.7% | 1.3% | 0.7% | 0.7% | 0.7% |
| Interest: | 1.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| New Debt Service: | | | | | | | | | | | |
| Low Interest Loans | | | | | | | | | | | |
| Term in Years | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Rate | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Revenue Bond | | | | | | | | | | | |
| Term in Years | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Rate | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 1 - Escalation Factors

| | Actual FY 2022 | Budget FY 2023 | Projected | | | | | | | | |
|----------------------------|-------------------|-------------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 |
| Revenues: | | | | | | | | | | | |
| Customer Growth | 1.5% | 0.77% | 1.93% | 1.80% | 2.58% | 3.20% | 2.66% | 1.33% | 0.73% | 0.67% | 0.74% |
| Flat | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Miscellaneous Revenues | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| New Customers | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Expenses: | | | | | | | | | | | |
| Labor | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Benefits - Medical | Budget | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% |
| Benefits - PERS/Retirement | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Benefits - FICA/PU | Budget | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Benefits - Other | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Materials & Supplies | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Equipment | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Miscellaneous | Budget | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Utilities | Budget | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Growth: | 1.5% | 0.8% | 1.9% | 1.8% | 2.6% | 3.2% | 2.7% | 1.3% | 0.7% | 0.7% | 0.7% |
| Interest: | 1.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| New Debt Service: | | | | | | | | | | | |
| Low Interest Loans | | | | | | | | | | | |
| Term in Years | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Rate | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Revenue Bond | | | | | | | | | | | |
| Term in Years | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Rate | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 2 - Enterprise Fund

Page 1 of 4

| | Actual | Budget | Projected | | | | | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Notes |
| Sources of Funds | | | | | | | | | | | | |
| Rate Revenue | | | | | | | | | | | | |
| Residential | | | | | | | | | | | | |
| Single - Family | \$2,443,880 | \$2,492,456 | \$2,540,531 | \$2,586,288 | \$2,653,110 | \$2,737,972 | \$2,810,740 | \$2,848,031 | \$2,868,693 | \$2,887,842 | \$2,909,108 | As Rate Rev. |
| Townhouse | \$35,710 | \$36,420 | 37,123 | 37,791 | 38,768 | 40,008 | 41,071 | 41,616 | 41,918 | 42,198 | 42,508 | As Rate Rev. |
| Condo | \$652,239 | \$664,516 | 677,334 | 689,533 | 707,349 | 729,974 | 749,375 | 759,317 | 764,825 | 769,931 | 775,601 | As Rate Rev. |
| Duplex | \$11,306 | \$11,531 | 11,753 | 11,965 | 12,274 | 12,667 | 13,003 | 13,176 | 13,271 | 13,360 | 13,458 | As Rate Rev. |
| Single family with Add'l Dwelling Unit | \$40,564 | \$41,377 | 42,175 | 42,935 | 44,044 | 45,453 | 46,661 | 47,280 | 47,623 | 47,941 | 48,294 | As Rate Rev. |
| Multi - Family | \$584,166 | \$596,023 | 607,520 | 618,462 | 634,441 | 654,734 | 672,135 | 681,053 | 685,993 | 690,573 | 695,658 | As Rate Rev. |
| Commercial | \$329,200 | \$334,869 | 341,328 | 347,476 | 356,454 | 367,855 | 377,632 | 382,642 | 385,418 | 387,991 | 390,848 | As Rate Rev. |
| Schools/Institutional | \$29,738 | \$30,230 | 30,813 | 31,368 | 32,178 | 33,208 | 34,090 | 34,543 | 34,793 | 35,025 | 35,283 | As Rate Rev. |
| Industrial/Demand | \$195,211 | \$200,091 | 203,951 | 207,624 | 212,988 | 219,801 | 225,643 | 228,636 | 230,295 | 231,832 | 233,539 | As Rate Rev. |
| Local Rate Revenues | \$4,322,016 | \$4,407,514 | \$4,492,527 | \$4,573,442 | \$4,691,605 | \$4,841,671 | \$4,970,350 | \$5,036,293 | \$5,072,829 | \$5,106,692 | \$5,144,298 | As Rate Rev. |
| Miscellaneous Revenues | | | | | | | | | | | | |
| Enterprise Operations | | | | | | | | | | | | |
| General Inspections | \$221,307 | \$230,000 | \$306,000 | \$306,000 | \$63,000 | \$160,500 | \$160,500 | \$122,800 | \$122,800 | \$122,800 | \$122,800 | As Misc. Rev. |
| Overtime Inspections | 17,711 | 3,500 | 3,600 | 3,700 | 3,800 | 3,900 | 3,900 | 4,000 | 4,100 | 4,200 | 4,300 | As Misc. Rev. |
| Plan Check Fees | 181,377 | \$85,000 | \$60,000 | \$76,000 | \$115,000 | \$71,000 | \$71,000 | \$71,000 | \$71,000 | \$71,000 | \$71,000 | As Misc. Rev. |
| Miscellaneous Revenue | 150,689 | 400 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | As Misc. Rev. |
| Pooled Interest | 33,862 | 17,522 | 86,486 | 83,352 | 82,982 | 81,391 | 84,741 | 84,067 | 83,779 | 83,796 | 83,987 | Note [1] |
| Miscellaneous Revenues | \$604,946 | \$336,422 | \$468,086 | \$481,052 | \$276,782 | \$328,791 | \$332,141 | \$293,867 | \$293,679 | \$293,796 | \$294,087 | |
| Total Sources of Funds | \$4,926,962 | \$4,743,936 | \$4,960,613 | \$5,054,493 | \$4,968,387 | \$5,170,461 | \$5,302,490 | \$5,330,160 | \$5,366,508 | \$5,400,488 | \$5,438,384 | |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 2 - Enterprise Fund

Page 2 of 4

| | Actual | Budget | Projected | | | | | | | | | |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------------|
| | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Notes |
| Application of Funds | | | | | | | | | | | | |
| Collection Operations | | | | | | | | | | | | |
| <i>Personnel Services</i> | | | | | | | | | | | | |
| Salaries | \$1,420,830 | 1,446,738 | \$2,215,186 | \$2,281,642 | \$2,350,091 | \$2,420,594 | \$2,493,211 | \$2,568,008 | \$2,645,048 | \$2,724,399 | \$2,806,131 | As Labor |
| Overtime | 18,350 | 17,980 | 18,519 | 19,075 | 19,647 | 20,237 | 20,844 | 21,469 | 22,113 | 22,777 | 23,460 | As Labor |
| Standby Pay | 17,500 | 17,500 | 18,025 | 18,566 | 19,123 | 19,696 | 20,287 | 20,896 | 21,523 | 22,168 | 22,834 | As Labor |
| Medical | 247,979 | 254,179 | 379,874 | 417,861 | 459,648 | 505,612 | 556,174 | 611,791 | 672,970 | 740,267 | 814,294 | As Benefits - Medical |
| Retirement | 407,180 | 442,066 | 608,116 | 597,771 | 586,740 | 567,504 | 528,458 | 552,076 | 579,680 | 608,664 | 639,097 | As Benefits - PERS/Retirement |
| Other Benefits | 88,399 | 89,433 | 110,046 | 115,548 | 121,326 | 127,392 | 133,762 | 140,450 | 147,472 | 154,846 | 162,588 | As Benefits - Other |
| Salary / Benefit Credit | (44,951) | (45,906) | (68,487) | (70,542) | (72,658) | (74,838) | (77,083) | (79,396) | (81,777) | (84,231) | (86,758) | As Labor |
| Training Costs | 13,960 | 15,960 | 16,439 | 16,932 | 17,440 | 17,963 | 18,502 | 19,057 | 19,629 | 20,218 | 20,824 | As Labor |
| Group Training Services | 2,300 | 2,300 | 2,369 | 2,440 | 2,513 | 2,589 | 2,666 | 2,746 | 2,829 | 2,914 | 3,001 | As Labor |
| Temporary Help | 25,568 | 1,000 | 1,030 | 1,061 | 1,093 | 1,126 | 1,159 | 1,194 | 1,230 | 1,267 | 1,305 | As Labor |
| Interns | 3,333 | 7,500 | 7,725 | 7,957 | 8,195 | 8,441 | 8,695 | 8,955 | 9,224 | 9,501 | 9,786 | As Labor |
| Uniforms & Safety Equipment | 6,241 | 5,641 | 5,810 | 5,985 | 6,164 | 6,349 | 6,539 | 6,736 | 6,938 | 7,146 | 7,360 | As Materials & Supplies |
| Employee Memberships & Certifications | 5,600 | 5,600 | 5,768 | 5,941 | 6,119 | 6,303 | 6,492 | 6,687 | 6,887 | 7,094 | 7,307 | As Miscellaneous |
| Personnel Services | \$2,212,289 | \$2,259,991 | \$3,320,420 | \$3,420,236 | \$3,525,440 | \$3,628,968 | \$3,719,706 | \$3,880,669 | \$4,053,765 | \$4,237,029 | \$4,431,228 | |
| <i>Material & Supplies</i> | | | | | | | | | | | | |
| Equipment Under \$10,000 | \$8,591 | \$11,184 | \$11,519 | \$11,865 | \$12,221 | \$12,588 | \$12,965 | \$13,354 | \$13,755 | \$14,167 | \$14,592 | As Equipment |
| Fluids | 500 | 500 | 515 | 530 | 546 | 563 | 580 | 597 | 615 | 633 | 652 | As Materials & Supplies |
| Fuel | 27,637 | 28,168 | 29,013 | 29,884 | 30,780 | 31,704 | 32,655 | 33,635 | 34,644 | 35,683 | 36,753 | As Materials & Supplies |
| Gas & Electric | 6,600 | 6,800 | 7,140 | 7,497 | 7,872 | 8,265 | 8,679 | 9,113 | 9,568 | 10,047 | 10,549 | As Utilities |
| General Supplies | 36,450 | 34,882 | 35,928 | 37,006 | 38,117 | 39,260 | 40,438 | 41,651 | 42,900 | 44,187 | 45,513 | As Materials & Supplies |
| Tools | 7,750 | 3,500 | 3,605 | 3,713 | 3,825 | 3,939 | 4,057 | 4,179 | 4,305 | 4,434 | 4,567 | As Equipment |
| Office Supplies/Services | 3,000 | 3,000 | 3,090 | 3,183 | 3,278 | 3,377 | 3,478 | 3,582 | 3,690 | 3,800 | 3,914 | As Materials & Supplies |
| Material & Supplies | \$90,528 | \$88,034 | \$90,811 | \$93,679 | \$96,639 | \$99,695 | \$102,852 | \$106,111 | \$109,476 | \$112,952 | \$116,541 | |
| <i>Contract Services</i> | | | | | | | | | | | | |
| Legal Services | \$1,700 | \$1,700 | \$1,751 | \$1,804 | \$1,858 | \$1,913 | \$1,971 | \$2,030 | \$2,091 | \$2,154 | \$2,218 | As Miscellaneous |
| Professional Services | 74,205 | 83,830 | 86,345 | 88,935 | 91,603 | 94,351 | 97,182 | 100,097 | 103,100 | 106,193 | 109,379 | As Miscellaneous |
| Advertising | 7,500 | 7,500 | 7,725 | 7,957 | 8,195 | 8,441 | 8,695 | 8,955 | 9,224 | 9,501 | 9,786 | As Miscellaneous |
| Equipment Lease/Rental | 3,500 | 3,500 | 3,605 | 3,713 | 3,825 | 3,939 | 4,057 | 4,179 | 4,305 | 4,434 | 4,567 | As Miscellaneous |
| Maintenance Contracts | 42,001 | 41,052 | 42,284 | 43,552 | 44,859 | 46,205 | 47,591 | 49,019 | 50,489 | 52,004 | 53,564 | As Miscellaneous |
| Other Services | 219,116 | 219,906 | 226,503 | 233,298 | 240,297 | 247,506 | 254,931 | 262,579 | 270,457 | 278,570 | 286,928 | As Miscellaneous |
| Printing Services | 21,850 | 21,450 | 22,094 | 22,756 | 23,439 | 24,142 | 24,866 | 25,612 | 26,381 | 27,172 | 27,987 | As Miscellaneous |
| Contract Services | \$369,871 | \$378,938 | \$390,306 | \$402,016 | \$414,076 | \$426,498 | \$439,293 | \$452,472 | \$466,046 | \$480,028 | \$494,429 | |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 2 - Enterprise Fund

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| | Actual | Budget | Projected | | | | | | | | | Notes |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------------|
| | FY 2022 | FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | |
| <i>Other Expenses</i> | | | | | | | | | | | | |
| Meetings | \$520 | \$520 | \$536 | \$552 | \$568 | \$585 | \$603 | \$621 | \$640 | \$659 | \$678 | As Labor |
| Permits, Licenses & District Mbrshps | 26,600 | 26,600 | 27,398 | 28,220 | 29,067 | 29,939 | 30,837 | 31,762 | 32,715 | 33,696 | 34,707 | As Miscellaneous |
| Credit Card Transaction Fees | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | As Miscellaneous |
| Overhead Charges | 804,536 | 818,789 | 843,353 | 868,653 | 894,713 | 921,554 | 949,201 | 977,677 | 1,007,007 | 1,037,217 | 1,068,334 | As Miscellaneous |
| Other Expenses | \$831,656 | \$845,909 | \$871,286 | \$897,425 | \$924,348 | \$952,078 | \$980,640 | \$1,010,060 | \$1,040,361 | \$1,071,572 | \$1,103,719 | |
| Total Sewer Operations Expenses | \$3,504,344 | \$3,572,873 | \$4,672,824 | \$4,813,355 | \$4,960,503 | \$5,107,240 | \$5,242,492 | \$5,449,311 | \$5,669,649 | \$5,901,581 | \$6,145,918 | |
| Debt Service | | | | | | | | | | | | |
| Sewer Operations Debt | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Transfer to Reserves | | | | | | | | | | | | |
| OPEB Fund 965 | \$109,267 | \$110,936 | 116,483 | 122,307 | 128,422 | 134,843 | 141,585 | 148,665 | 156,098 | 163,903 | 172,098 | As Benefits - PERS/Retirement |
| Replace reduction in Buy-In | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Replacement Fund | 0 | 800,000 | 800,000 | 800,000 | 800,000 | 800,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 800,000 | |
| Rate Stabilization Fund | 952,230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other | 0 | 0 | | | | | | | | | | |
| Total Transfer to Reserves | \$1,061,497 | \$910,936 | \$916,483 | \$922,307 | \$928,422 | \$934,843 | \$1,341,585 | \$1,348,665 | \$1,356,098 | \$1,363,903 | \$972,098 | |
| Total Revenue Requirements | \$4,565,841 | \$4,483,809 | \$5,589,307 | \$5,735,662 | \$5,888,925 | \$6,042,083 | \$6,584,077 | \$6,797,976 | \$7,025,747 | \$7,265,483 | \$7,118,016 | |
| Balance/(Deficiency) of Funds | \$361,121 | \$260,127 | (\$628,693) | (\$681,169) | (\$920,538) | (\$871,622) | (\$1,281,587) | (\$1,467,817) | (\$1,659,238) | (\$1,864,995) | (\$1,679,631) | |
| Balance as a % of Rate Revenues | -8.4% | -5.9% | 14.0% | 14.9% | 19.6% | 18.0% | 25.8% | 29.1% | 32.7% | 36.5% | 32.7% | |
| Annual Balance as a % of Rate Revenues | -8.4% | 2.7% | 21.1% | 0.8% | 4.1% | -1.4% | 6.6% | 2.7% | 2.8% | 2.9% | -2.8% | |
| Less: Use of Reserves | | | | | | | | | | | | |
| Enterprise Fund | \$0 | \$0 | \$315,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Use of Reserves | \$0 | \$0 | \$315,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Net Balance/(Deficiency) of Funds | \$361,121 | \$260,127 | (\$313,693) | (\$681,169) | (\$920,538) | (\$871,622) | (\$1,281,587) | (\$1,467,817) | (\$1,659,238) | (\$1,864,995) | (\$1,679,631) | |
| Cumulative Net Balance as a % of Rate Revenues | -8.4% | -5.9% | 7.0% | 14.9% | 19.6% | 18.0% | 25.8% | 29.1% | 32.7% | 36.5% | 32.7% | |
| Annual Net Balance as a % of Rate Revenues | -8.4% | 2.7% | 13.7% | 7.4% | 4.1% | -1.4% | 6.6% | 2.7% | 2.8% | 2.9% | -2.8% | |
| Proposed Rate Adjustment | 0.0% | 0.0% | 7.0% | 7.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% | |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 2 - Enterprise Fund

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| | Actual FY 2022 | Budget FY 2023 | FY 2024 | FY 2025 | FY 2026 | Projected FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Notes |
|--|-------------------|-------------------|-------------|-------------|-------------|----------------------|-------------|-------------|-------------|-------------|-------------|----------------------------------|
| Additional Revenue from Adjustment | \$0 | \$0 | \$314,477 | \$662,692 | \$840,956 | \$1,039,141 | \$1,247,872 | \$1,453,449 | \$1,660,098 | \$1,874,516 | \$2,099,298 | |
| Total Balance/(Deficiency) of Funds | \$361,121 | \$260,127 | \$784 | (\$18,477) | (\$79,582) | \$167,519 | (\$33,715) | (\$14,367) | \$860 | \$9,521 | \$419,667 | |
| Additional Rate Increase Needed | -8.4% | -5.9% | 0.0% | 0.4% | 1.4% | -2.8% | 0.5% | 0.2% | 0.0% | -0.1% | -5.8% | |
| Average Residential Bi-Monthly Impact | \$22.64 | \$23.09 | | | | | | | | | | |
| After Rate Adjustment Required | \$22.64 | \$23.09 | \$24.70 | \$26.53 | \$27.62 | \$27.25 | \$29.04 | \$29.82 | \$30.64 | \$31.52 | \$30.63 | |
| Bi-Monthly \$ Change | \$0.00 | \$0.45 | \$1.61 | \$1.83 | \$1.09 | \$0.00 | \$1.80 | \$0.78 | \$0.82 | \$0.88 | \$0.00 | |
| After Proposed Rate Adjustment | \$22.64 | \$22.64 | \$24.22 | \$25.92 | \$26.70 | \$27.50 | \$28.32 | \$29.17 | \$30.05 | \$30.95 | \$31.88 | |
| Bi-Monthly \$ Change | \$0.00 | \$0.00 | \$1.58 | \$1.70 | \$0.78 | \$0.80 | \$0.82 | \$0.85 | \$0.88 | \$0.90 | \$0.93 | |
| Annual \$ Change | | - | 9.51 | 10.17 | 4.67 | 4.81 | 4.95 | 5.10 | 5.25 | 5.41 | 5.57 | |
| Debt Service Coverage Ratio | | | | | | | | | | | | |
| Before Rate Adjustment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| After RR Rate Adjustment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| After Proposed Rate Adjustment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Sewer Enterprise Fund - 200 | | | | | | | | | | | | |
| Beginning Cash Reserve Balance | \$1,915,488 | \$4,221,674 | \$4,481,801 | \$4,167,585 | \$4,149,107 | \$4,069,526 | \$4,237,045 | \$4,203,330 | \$4,188,963 | \$4,189,822 | \$4,199,343 | |
| Plus: From Enterprise Fund | | | | | | | | | | | | |
| Use of reserves for GASB 45 | | | | | | | | | | | | |
| Less: Uses of Funds | 0 | 0 | 315,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Balance/(Deficiency) of Funds | 361,121 | 260,127 | 784 | (18,477) | (79,582) | 167,519 | (33,715) | (14,367) | 860 | 9,521 | 419,667 | |
| Ending Balance | \$4,221,674 | \$4,481,801 | \$4,167,585 | \$4,149,107 | \$4,069,526 | \$4,237,045 | \$4,203,330 | \$4,188,963 | \$4,189,822 | \$4,199,343 | \$4,619,010 | |
| Minimum reserve (2 months) | \$576,057 | \$587,322 | \$768,135 | \$802,226 | \$815,425 | \$839,546 | \$861,779 | \$895,777 | \$931,997 | \$970,123 | \$1,010,288 | Min: 2 months of budgeted operat |
| Working capital (6 months) | 1,752,172 | 1,786,436 | 2,336,412 | 2,406,678 | 2,480,251 | 2,553,620 | 2,621,246 | 2,724,656 | 2,834,824 | 2,950,790 | 3,072,959 | Max: 6 months of budgeted opera |
| | 2,469,502 | 2,695,365 | 1,831,173 | 1,742,430 | 1,589,275 | 1,683,425 | 1,582,084 | 1,464,307 | 1,354,998 | 1,248,553 | 1,546,051 | |
| Target (4 months) | 1,168,115 | 1,190,958 | 1,557,608 | 1,604,452 | 1,653,501 | 1,702,413 | 1,747,497 | 1,816,437 | 1,889,883 | 1,967,194 | 2,048,639 | Target: 4 months of budgeted ope |
| Rate Stabilization Fund - 205 | | | | | | | | | | | | |
| Beginning Fund Balance | \$746,891 | \$712,691 | \$716,995 | \$721,972 | \$726,768 | \$731,371 | \$735,767 | \$739,945 | \$743,890 | \$747,588 | \$751,025 | |
| Plus: From Enterprise Fund | | | | | | | | | | | | |
| Interest | \$7,438 | \$13,304 | \$14,247 | \$14,344 | \$14,437 | \$14,526 | \$14,611 | \$14,691 | \$14,767 | \$14,838 | \$14,903 | |
| Transfers In | 952,230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Less: Uses Of Funds | | | | | | | | | | | | |
| Operating Expenditures | \$9,000 | \$9,000 | \$9,270 | \$9,548 | \$9,835 | \$10,130 | \$10,433 | \$10,746 | \$11,069 | \$11,401 | \$11,743 | As Miscellaneous |
| Transfers Out | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Ending Fund Balance | \$712,691 | \$716,995 | \$721,972 | \$726,768 | \$731,371 | \$735,767 | \$739,945 | \$743,890 | \$747,588 | \$751,025 | \$754,185 | |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 3 - Replacement Fund

Page 1 of 1

| | Actual FY 2022 | Budget FY 2023 | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Projected FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | Notes |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------|--------------------|--------------------|--------------------|---------------------|-------|
| Beginning Balance | \$4,117,198 | \$2,132,319 | \$2,132,751 | \$1,922,032 | \$1,125,658 | \$2,175,582 | \$762,751 | \$2,508,016 | \$3,581,489 | \$5,875,811 | \$8,222,058 | |
| Revenues | | | | | | | | | | | | |
| Transfers from Enterprise | \$0 | \$800,000 | \$800,000 | \$800,000 | \$800,000 | \$800,000 | \$1,200,000 | \$1,200,000 | \$1,200,000 | \$1,200,000 | \$800,000 | |
| Capacity Buy-In Fees | 1,075,668 | 1,422,509 | 1,016,851 | 551,081 | 1,325,483 | 1,351,993 | 1,379,033 | 1,406,613 | 1,434,745 | 1,463,440 | 1,492,709 | |
| Interest | 41,172 | 21,323 | 19,030 | 11,145 | 21,540 | 7,552 | 24,832 | 35,460 | 58,176 | 81,407 | 72,518 | |
| Total Revenues | \$1,116,840 | \$2,243,832 | \$1,835,881 | \$1,362,226 | \$2,147,023 | \$2,159,545 | \$2,603,865 | \$2,642,073 | \$2,692,921 | \$2,744,847 | \$2,365,227 | |
| Total Replacement Funds Available | \$5,234,038 | \$4,376,151 | \$3,968,632 | \$3,284,258 | \$3,272,682 | \$4,335,126 | \$3,366,616 | \$5,150,089 | \$6,274,411 | \$8,620,658 | \$10,587,285 | |
| Expenses | | | | | | | | | | | | |
| Sewer Replacement O&M | | | | | | | | | | | | |
| <i>Other Expenses</i> | | | | | | | | | | | | |
| Interfund Loan Repay Fund 220 | \$895,833 | \$875,000 | \$875,000 | \$875,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Overhead Charges | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Other Expenses | \$895,833 | \$875,000 | \$875,000 | \$875,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| <i>Non-Capitalized Projects</i> | \$550,900 | \$43,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Sewer Replacement O&M | \$1,446,733 | \$918,000 | \$875,000 | \$875,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Replacement Capital Projects | | | | | | | | | | | | |
| Capital Projects - Proposed Fund Limits | 1,654,986 | 1,325,400 | 1,171,600 | 1,283,600 | 1,097,100 | 3,572,375 | 858,600 | 1,568,600 | 398,600 | 398,600 | 3,263,000 | |
| Total Replacement Capital Projects | 1,654,986 | 1,325,400 | 1,171,600 | 1,283,600 | 1,097,100 | 3,572,375 | 858,600 | 1,568,600 | 398,600 | 398,600 | 3,263,000 | |
| Debt Service | | | | | | | | | | | | |
| Other Replacement Debt Payments | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Replacement Expenses | \$3,101,719 | \$2,243,400 | \$2,046,600 | \$2,158,600 | \$1,097,100 | \$3,572,375 | \$858,600 | \$1,568,600 | \$398,600 | \$398,600 | \$3,263,000 | |
| Ending Balance | \$2,132,319 | \$2,132,751 | \$1,922,032 | \$1,125,658 | \$2,175,582 | \$762,751 | \$2,508,016 | \$3,581,489 | \$5,875,811 | \$8,222,058 | \$7,324,285 | |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 4 - Expansion Fund

Page 1 of 1

| | Actual FY 2022 | Budget FY 2023 | Projected | | | | | | | | | Notes |
|---|--------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|
| | | | FY 2024 | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 | FY 2030 | FY 2031 | FY 2032 | |
| Beginning Balance | \$7,585,333 | \$8,589,830 | \$9,494,119 | \$9,665,837 | \$9,173,473 | \$8,801,043 | \$8,930,706 | \$9,062,499 | \$8,918,709 | \$6,469,529 | \$6,579,310 | |
| Revenues | | | | | | | | | | | | |
| Transfers from Replacement Fund | 895,833 | 875,000 | 875,000 | 875,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Transfers from Enterprise | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Capacity Buy-In Fees | 32,811 | 43,391 | 31,017 | 16,810 | 40,431 | 41,240 | 42,065 | 42,906 | 43,764 | 44,640 | 45,532 | |
| Interest | 75,853 | 85,898 | 95,701 | 90,826 | 87,139 | 88,423 | 89,728 | 88,304 | 64,055 | 65,142 | 66,248 | |
| Total Revenues | \$1,004,497 | \$1,004,289 | \$1,001,718 | \$982,636 | \$127,570 | \$129,663 | \$131,793 | \$131,210 | \$107,819 | \$109,782 | \$111,780 | |
| Total Replacement Funds Available | \$8,589,830 | \$9,594,119 | \$10,495,837 | \$10,648,473 | \$9,301,043 | \$8,930,706 | \$9,062,499 | \$9,193,709 | \$9,026,529 | \$6,579,310 | \$6,691,090 | |
| Expenses | | | | | | | | | | | | |
| Water Replacement O&M | | | | | | | | | | | | |
| <i>Other Expenses</i> | | | | | | | | | | | | |
| Interfund Loan Repay Fund 220 | \$0 | \$0 | \$0 | \$0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | | \$0 | |
| Overhead Charges | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Other Expenses | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| <i>Non-Capitalized Projects</i> | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Water Replacement O&M | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Replacement Capital Projects | | | | | | | | | | | | |
| Capital Projects - Proposed Fund Limits | 0 | 100,000 | 830,000 | 1,475,000 | 500,000 | 0 | 0 | 275,000 | 2,557,000 | 0 | 0 | |
| Total Replacement Capital Projects | 0 | 100,000 | 830,000 | 1,475,000 | 500,000 | 0 | 0 | 275,000 | 2,557,000 | 0 | 0 | |
| Debt Service | | | | | | | | | | | | |
| Other Replacement Debt Payments | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Replacement Expenses | \$0 | \$100,000 | \$830,000 | \$1,475,000 | \$500,000 | \$0 | \$0 | \$275,000 | \$2,557,000 | \$0 | \$0 | |
| Ending Balance | \$8,589,830 | \$9,494,119 | \$9,665,837 | \$9,173,473 | \$8,801,043 | \$8,930,706 | \$9,062,499 | \$8,918,709 | \$6,469,529 | \$6,579,310 | \$6,691,090 | |

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 5 - Capital Improvement Plan

Page 1 of 2

| | % Split | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | Future | Total |
|---|---------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------------|-----------|-----------|-------------|--------------|
| Replacement (Fund 210) | | | | | | | | | | | | | |
| Collection | | | | | | | | | | | | | |
| Field Operations Facility Skylight Replacement | 15% | \$12,000 | | | | | | | | | | | \$12,000 |
| District Office Accessibility Improvements | 10% | | | | | | | 50,000 | | | | | 50,000 |
| Field Operations Facility Warehouse Storage Improvements | 15% | | 15,000 | | | | | | | | | | 15,000 |
| District Office Backup Generator Replacement | 12% | | 114,000 | | | | | | | | | | 114,000 |
| Industrial Control Network Security Essentials | 11% | 29,426 | | | | | | | | | | | 29,426 |
| Enterprise Resource Program System Conversion | 12% | 90,000 | | | | | | | | | | | 90,000 |
| District Office Roof Repair | 12% | 8,400 | | | | | | | | | | | 8,400 |
| Street Overlay Modification Program | 50% | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 400,000 | 1,200,000 |
| Gleason Drive Property Planning Study | 10% | | | | | | | | | | 0 | 20,000 | 20,000 |
| Computing Infrastructure Replacement | 12% | 19,200 | 14,400 | | | | | | | | | | 33,600 |
| Wide Area Network Communications Phase 2 | 10% | 13,560 | | | | | | | | | | | 13,560 |
| Fleet Replacement Program | 20% | | | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 300,000 | 780,000 |
| Facilities Asset Replacement Program | 2% | | | 8,600 | 8,600 | 8,600 | 8,600 | 8,600 | 8,600 | 8,600 | 8,600 | 43,000 | 111,800 |
| Network Infrastructure and Security | 12% | | 12,000 | 18,000 | 30,000 | | 60,000 | | | | | | 120,000 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| Wastewater Collection | | | | | | | | | | | | | |
| Lift Station 2 Upgrades | 100% | 64,500 | | | | | | | | | | | 64,500 |
| Dublin Court and Dublin Boulevard Sewer Replacement | 100% | | | | | 200,000 | 550,000 | | | | | | 750,000 |
| Large Diameter Sewer Condition Assessment | 100% | | | 150,000 | | | | | | | | | 150,000 |
| East Dublin 36" Trunk Sewer Rehabilitation Program | 100% | 1,004,000 | | | | | | | | | | | 1,004,000 |
| Wastewater Collection System Rehabilitation Program | 100% | 150,000 | 150,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 2,500,000 | 4,800,000 |
| San Ramon Golf Course 24" Trunk Sewer Rehabilitaiton | 100% | | | 557,500 | | | | | | | | | 557,500 |
| Alcosta Blvd Sewer Replacement | 100% | | | | | 63,500 | 583,775 | | | | | | 647,275 |
| Sewer Collection System Evaluation and Spot Repair | 100% | 50,000 | 250,000 | | | | | | | | | | 300,000 |
| Camp Parks Sewer Rehab Project - Goodfellow Av North of 8th St | 100% | 100,000 | 690,000 | | | | | | | | | | 790,000 |
| Camp Parks Sewer Rehab Project - Davis and Cromwell, 8th to 10th St | 100% | | | | | 260,000 | 1,380,000 | | | | | | 1,640,000 |
| Camp Parks Sewer Rehabilitation Project - Adams 8th to 10 Street | 100% | | | | | 175,000 | 600,000 | | | | | | 775,000 |
| Iron Horse Trail Sewer Replacement | 100% | | | | 855,000 | | | | | | | | 855,000 |
| Donahue Dr./Vomac Rd. Relief Sewer | 100% | | | | | | | 410,000 | 1,170,000 | | | | 1,580,000 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| Water System | | | | | | | | | | | | | |
| Field Operations and District Facilities Energy Plan | 5% | | | 32,500 | | | | | | | | | 32,500 |
| Fiscal Year 2022 Manhole Valvule Adjustment - City of Dublin | 15% | 33,900 | | | | | | | | | | | 33,900 |
| District Facilities Security Project - Phase 2 | 10% | | | 15,000 | | | | | | | | | 15,000 |
| Total Replacement Fund CIP | | \$1,654,986 | \$1,325,400 | \$1,171,600 | \$1,283,600 | \$1,097,100 | \$3,572,375 | \$858,600 | \$1,568,600 | \$398,600 | \$398,600 | \$3,263,000 | \$16,592,461 |

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3/1/2023

Dublin San Ramon Service District
Local Sewer Utility
Revenue Requirement
Exhibit 6 - Revenue at Present Rates

Page 1 of 3

| | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Total |
|---|--------------------------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-------------|
| Single Family | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month</i></u> | | | | | | | | | | | | |
| Base Charge | 23.09 | | | | | | | | | | | | |
| Number of Customers | 17,991 | 0 | 17,991 | 0 | 17,991 | 0 | 17,991 | 0 | 17,991 | 0 | 17,991 | 0 | 17,991 |
| Total Single Family Revenue | \$415,409 | \$0 | \$415,409 | \$0 | \$415,409 | \$0 | \$415,409 | \$0 | \$415,409 | \$0 | \$415,409 | \$0 | \$2,492,456 |
| Townhouse | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Base Charge | 23.09 | | | | | | | | | | | | |
| Number of Customers | 263 | 0 | 263 | 0 | 263 | 0 | 263 | 0 | 263 | 0 | 263 | 0 | 263 |
| Total Townhouse Revenue | \$6,070 | \$0 | \$6,070 | \$0 | \$6,070 | \$0 | \$6,070 | \$0 | \$6,070 | \$0 | \$6,070 | \$0 | \$36,420 |
| Condominium | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Base Charge | 17.32 | | | | | | | | | | | | |
| Number of Customers | 6,300 | 6,395 | 0 | 6,395 | 0 | 6,395 | 0 | 6,395 | 0 | 6,395 | 0 | 6,395 | 6,395 |
| Total Condominium Revenue | \$110,753 | \$0 | \$110,753 | \$0 | \$110,753 | \$0 | \$110,753 | \$0 | \$110,753 | \$0 | \$110,753 | \$0 | \$664,516 |
| Duplex | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Base Charge | 46.18 | | | | | | | | | | | | |
| Number of Customers | 42 | 0 | 42 | 0 | 42 | 0 | 42 | 0 | 42 | 0 | 42 | 0 | 42 |
| Total Duplex Revenue | \$1,922 | \$0 | \$1,922 | \$0 | \$1,922 | \$0 | \$1,922 | \$0 | \$1,922 | \$0 | \$1,922 | \$0 | \$11,531 |
| Single Family Home with 2nd Dwelling | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Base Charge | 38.17 | | | | | | | | | | | | |
| Number of Customers | 178 | 181 | 0 | 181 | 0 | 181 | 0 | 181 | 0 | 181 | 0 | 181 | 181 |
| Total Single Family with Add'l Dwelling Units Revenue | \$6,896 | \$0 | \$6,896 | \$0 | \$6,896 | \$0 | \$6,896 | \$0 | \$6,896 | \$0 | \$6,896 | \$0 | \$41,377 |
| MultiFamily | | | | | | | | | | | | | |
| | <u><i>\$/Bi-Month/Unit</i></u> | | | | | | | | | | | | |
| Base Charge | 15.08 | | | | | | | | | | | | |
| Number of Customers | 4,264 | 6,587 | 0 | 6,587 | 0 | 6,587 | 0 | 6,587 | 0 | 6,587 | 0 | 6,587 | 6,587 |
| Total Multifamily Revenue | \$99,337 | \$0 | \$99,337 | \$0 | \$99,337 | \$0 | \$99,337 | \$0 | \$99,337 | \$0 | \$99,337 | \$0 | \$596,023 |

| | | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Total |
|------------------------------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Commercial | | | | | | | | | | | | | | |
| <i>Low</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Consumption | <u>\$1.23</u> | 10,507 | 19,532 | 13,621 | 23,535 | 13,773 | 20,512 | 10,879 | 15,906 | 8,783 | 15,716 | 12,389 | 19,160 | 30,719 |
| Total Revenues | | \$12,924 | \$24,024 | \$16,754 | \$28,948 | \$16,940 | \$25,230 | \$13,381 | \$19,564 | \$10,803 | \$19,331 | \$15,239 | \$23,567 | 226,705 |
| <i>Medium</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Consumption | <u>\$1.23</u> | 4,370 | 4,485 | 5,126 | 5,947 | 5,765 | 5,442 | 5,642 | 4,959 | 4,957 | 5,730 | 7,362 | 5,780 | 10,928 |
| Total Revenues | | \$5,375 | \$5,517 | \$6,305 | \$7,315 | \$7,091 | \$6,694 | \$6,940 | \$6,100 | \$6,097 | \$7,048 | \$9,055 | \$7,110 | 80,646 |
| <i>High</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Consumption | <u>\$1.23</u> | 708 | 2,671 | 723 | 3,483 | 921 | 2,448 | 893 | 2,736 | 850 | 2,554 | 1,499 | 2,886 | 3,729 |
| Total Revenues | | \$871 | \$3,286 | \$889 | \$4,285 | \$1,132 | \$3,011 | \$1,099 | \$3,366 | \$1,045 | \$3,141 | \$1,844 | \$3,549 | 27,518 |
| TOTAL COMMERCIAL REVENUES | | \$19,170 | \$32,827 | \$23,948 | \$40,547 | \$25,164 | \$34,935 | \$21,420 | \$29,030 | \$17,945 | \$29,520 | \$26,138 | \$34,226 | \$334,869 |
| INSTITUTIONAL | | | | | | | | | | | | | | |
| <i>Schools</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Consumption | <u>\$1.23</u> | 173 | 3,355 | 194 | 3,842 | 279 | 2,783 | 293 | 1,234 | 143 | 1,275 | 178 | 2,624 | 2,729 |
| Total Usage (1,000 gal) | | \$212 | \$4,126 | \$238 | \$4,725 | \$343 | \$3,423 | \$361 | \$1,518 | \$176 | \$1,568 | \$218 | \$3,227 | 20,137 |
| <i>All Others</i> | | | | | | | | | | | | | | |
| | <u>\$/100 CF</u> | | | | | | | | | | | | | |
| Consumption | <u>\$1.23</u> | 0 | 1,041 | 0 | 1,188 | 0 | 1,200 | 0 | 996 | 0 | 1,823 | 0 | 1,958 | 1,368 |
| Total Usage (1,000 gal) | | \$0 | \$1,281 | \$0 | \$1,461 | \$0 | \$1,476 | \$0 | \$1,225 | \$0 | \$2,242 | \$0 | \$2,408 | 10,092 |
| TOTAL INSTITUTIONAL REVENUES | | \$212 | \$5,407 | \$238 | \$6,186 | \$343 | \$4,899 | \$361 | \$2,743 | \$176 | \$3,810 | \$218 | \$5,636 | \$30,230 |

| | | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Total |
|--------------------------|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| BUREAU OF PRISONS | | | | | | | | | | | | | | |
| | <u><i>\$/Conne.</i></u> | | | | | | | | | | | | | |
| Connections | <i>\$0.00</i> | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u><i>\$/CCF</i></u> | | | | | | | | | | | | | |
| Demand | <i>\$1.23</i> | 6,885 | 6,237 | 7,117 | 6,901 | 6,561 | 6,290 | 6,219 | 6,210 | 5,686 | 5,851 | 5,447 | 5,621 | 12,504 |
| Total Demand Charge | | \$8,468 | \$7,672 | \$8,754 | \$8,489 | \$8,070 | \$7,737 | \$7,650 | \$7,638 | \$6,994 | \$7,197 | \$6,700 | \$6,914 | \$92,281 |
| TOTAL PRISONS REVENUES | | \$8,468 | \$7,672 | \$8,754 | \$8,489 | \$8,070 | \$7,737 | \$7,650 | \$7,638 | \$6,994 | \$7,197 | \$6,700 | \$6,914 | \$92,281 |

| | | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Total |
|-------------------------|--------------------------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-------------|
| SANTA RITA JAIL | | | | | | | | | | | | | | |
| | <u><i>\$/Connec.</i></u> | | | | | | | | | | | | | |
| Connections | <i>\$0.00</i> | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |
| Total Connection Charge | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | <u><i>\$/CCF</i></u> | | | | | | | | | | | | | |
| Demand | <i>\$1.23</i> | 6,650 | 6,392 | 7,474 | 7,440 | 7,730 | 7,350 | 7,296 | 6,811 | 6,929 | 7,680 | 7,604 | 8,294 | 14,608 |
| Total Demand Charge | | \$8,179 | \$7,862 | \$9,192 | \$9,151 | \$9,508 | \$9,041 | \$8,974 | \$8,378 | \$8,523 | \$9,446 | \$9,353 | \$10,202 | \$107,810 |
| TOTAL JAIL REVENUES | | \$8,179 | \$7,862 | \$9,192 | \$9,151 | \$9,508 | \$9,041 | \$8,974 | \$8,378 | \$8,523 | \$9,446 | \$9,353 | \$10,202 | \$107,810 |
| | | \$676,417 | \$53,768 | \$682,520 | \$64,373 | \$683,472 | \$56,612 | \$678,791 | \$47,789 | \$674,025 | \$49,973 | \$682,796 | \$56,978 | \$4,407,514 |

| SUMMARY - | | 2022 Proj Rev | |
|--|----------------|----------------------|---------------------|
| | # Of Customers | Volume | Revs At Prsnt Rates |
| RESIDENTIAL | | | |
| Single-Family | 17,991 | 2,624,077 | \$2,492,456 |
| Townhouse | 263 | 21,504 | \$36,420 |
| Condominiums | 6,395 | 205,973 | \$664,516 |
| Duplex | 42 | 7,251 | \$11,531 |
| Single Family with Add'l Dwelling Unit | 178 | 43,873 | \$41,377 |
| Multiple-Family | 6,587 | 421,201 | \$96,023 |
| TOTAL RESIDENTIAL | 31,455 | 3,323,879 | \$3,842,324 |
| COMMERCIAL | 567 | 45,375 | \$334,869 |
| INSTITUTIONAL | 82 | 4,096 | \$30,230 |
| INDUSTRIAL/DEMAND | 2 | 27,113 | \$200,091 |
| Total | 32,106 | 3,400,463 | \$4,407,514 |

Dublin San Ramon Service District
Local Sewer Utility
Development of Distribution Factors
Exhibit 7 - Volume Related

| | Volume Distribution | | | | |
|--|------------------------|--|--|--------------------------------------|---------------|
| | Annual flow CCF [1] | 1.8% Inflow and Infiltration [2] | Total Annual Flow at Plant (1,000 Gallons) | Avg. Daily Flow At Plant (MGD) | % of Total |
| Single - Family | 1,877,838 | 33,801 | 1,911,639 | 5.24 | 56.0% |
| Townhouse | 27,439 | 494 | 27,933 | 0.08 | 0.8% |
| Condo | 501,170 | 9,021 | 510,191 | 1.40 | 14.9% |
| Duplex | 8,687 | 156 | 8,844 | 0.02 | 0.3% |
| Single family with Add'l Dwelling Unit | 30,708 | 553 | 31,261 | 0.09 | 0.9% |
| Multi - Family | 448,864 | 8,080 | 456,943 | 1.25 | 13.4% |
| Commercial | 273,402 | 4,921 | 278,323 | 0.76 | 8.1% |
| Schools/Institutional | 24,681 | 444 | 25,125 | 0.07 | 0.7% |
| Industrial/Demand | 163,363 | 2,941 | 166,304 | 0.46 | 4.9% |
| Total | 3,356,152 | 60,411 | 3,416,562 | 9.36 | 100.0% |

Distribution Factor

(VOL)

Notes: [1] Single-Family, Condo, and Multi-Family Flows are Based on
2021 District customer characteristics
[2] Based on District Analysis

Dublin San Ramon Service District
Local Sewer Utility
Development of Distribution Factors
Exhibit 8 - Customer Related

| | Actual Customer | | Customer Service & Accounting | | | |
|--|-----------------|------------|-------------------------------|------------------|-------------------|------------|
| | Per DUE | % of Total | Number of Bills | Weighting Factor | Weighted Customer | % of Total |
| Single - Family | 18,338 | 55.7% | 18,338 | 1.0 | 18,338 | 35.9% |
| Townhouse | 268 | 0.8% | 268 | 1.0 | 268 | 0.5% |
| Condo | 6,518 | 19.8% | 6,518 | 1.0 | 6,518 | 12.7% |
| Duplex | 85 | 0.3% | 42 | 1.0 | 42 | 0.1% |
| Single family with Add'l Dwelling Unit | 363 | 1.1% | 220 | 1.0 | 220 | 0.4% |
| Multi - Family | 6,714 | 20.4% | 581 | 6.0 | 3,486 | 6.8% |
| Commercial | 578 | 1.8% | 3,468 | 6.0 | 20,806 | 40.7% |
| Schools/Institutional | 39 | 0.1% | 232 | 6.0 | 1,394 | 2.7% |
| Industrial/Demand | 2 | 0.0% | 12 | 6.0 | 74 | 0.1% |
| Total | 32,905 | 100.0% | 29,679 | | 51,146 | 100.0% |

Distribution Factor

(AC)

(WCA)

Notes: [1] Commercial & Institutional customer counts are based on 2003 District customer characteristics
[2] Condo & multi-family number of bills are based on 2003 District customer characteristics

Dublin San Ramon Service District
Local Sewer Utility
Development of Distribution Factors
Exhibit 9 - Strength Related

| | Annual Flow (MG) | Bio-Chemical Oxygen Demand | | | Total Suspended Solids | | |
|--|---------------------|----------------------------|--------------------------|---------------|---------------------------|--------------------------|---------------|
| | | Avg. Factor (mg/l) [1] | Calculated Pounds [2] | % of Total | Avg. Factor (mg/l) [1] | Calculated Pounds [2] | % of Total |
| Single - Family | 1,911,639 | 286.0 | 3,412,714 | 47.2% | 257.0 | 3,066,669 | 42.9% |
| Townhouse | 27,933 | 286.0 | 49,867 | 0.7% | 257.0 | 44,811 | 0.6% |
| Condo | 510,191 | 286.0 | 910,808 | 12.6% | 257.0 | 818,453 | 11.5% |
| Duplex | 8,844 | 286.0 | 15,788 | 0.2% | 257.0 | 14,187 | 0.2% |
| Single family with Add'l Dwelling Unit | 31,261 | 286.0 | 55,808 | 0.8% | 257.0 | 50,149 | 0.7% |
| Multi - Family | 456,943 | 286.0 | 815,749 | 11.3% | 257.0 | 733,033 | 10.3% |
| Commercial | 278,323 | 566.7 | 984,475 | 13.6% | 566.7 | 984,475 | 13.8% |
| Schools/Institutional | 25,125 | 286.0 | 44,854 | 0.6% | 257.0 | 40,306 | 0.6% |
| Industrial/Demand | 166,304 | 903.5 | 937,902 | 13.0% | 1339.0 | 1,389,985 | 19.5% |
| Total | 3,416,562 | | 7,227,964 | 100.0% | | 7,142,067 | 100.0% |

Distribution Factor

(BOD)

(TSS)

Note: [1] Strength factors were provided from 2017 Regional Rate study

*[2] Calculated Pounds = Annual Flow * Strength Factor * (8.345 lbs/One Million Gallons)*

Dublin San Ramon Service District
Local Sewer Utility
Development of Distribution Factors
Exhibit 10 - Revenue Related

| | Projected FY 2023 Revenue | % of Total |
|--|------------------------------|---------------|
| Single - Family | \$2,540,531 | 56.6% |
| Townhouse | \$37,123 | 0.8% |
| Condo | \$677,334 | 15.1% |
| Duplex | \$11,753 | 0.3% |
| Single family with Add'l Dwelling Unit | \$42,175 | 0.9% |
| Multi - Family | \$607,520 | 13.5% |
| Commercial | \$341,328 | 7.6% |
| Schools/Institutional | \$30,813 | 0.7% |
| Industrial/Demand | \$203,951 | 4.5% |
| Total | <u>\$4,492,527</u> | <u>100.0%</u> |

Distribution Factor (RR)

Dublin San Ramon Service District
Local Sewer Utility
Functionalization and Classification
Exhibit 11 - Revenue Requirement

Page 1 of 3

| Account Name | Test Year FY 2023 | Strength Related | | | Weighted for: | | Revenue (RR) | Direct (DA) | Basis of Classification |
|---------------------------------------|----------------------|------------------------------|-------------------------------|------------------------------|----------------------------|--------------------------------|-----------------|----------------|-------------------------|
| | | Operating Volume (VOL) | Bio-oxygen Demand (BOD) | Suspended Solids (TSS) | Actual Customer (AC) | Customer Acct/Svcs (WCA) | | | |
| Application of Funds | | | | | | | | | |
| Collection Operations | | | | | | | | | |
| Personnel Services | | | | | | | | | |
| Salaries | \$2,215,186 | \$1,772,149 | \$0 | \$0 | \$443,037 | \$0 | \$0 | \$0 | 80.0% (VOL)/ 20.0% (AC) |
| Overtime | 18,519 | 14,816 | 0 | 0 | 3,704 | 0 | 0 | 0 | 80.0% (VOL)/ 20.0% (AC) |
| Standby Pay | 18,025 | 18,025 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Medical | 379,874 | 379,874 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Retirement | 608,116 | 608,116 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Other Benefits | 110,046 | 110,046 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Salary / Benefit Credit | (68,487) | (68,487) | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Training Costs | 16,439 | 16,439 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Group Training Services | 2,369 | 2,369 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Temporary Help | 1,030 | 1,030 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Interns | 7,725 | 7,725 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Uniforms & Safety Equipment | 5,810 | 5,810 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Employee Memberships & Certifications | 5,768 | 5,768 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Personnel Services | \$3,320,420 | \$2,873,679 | \$0 | \$0 | \$446,741 | \$0 | \$0 | \$0 | |
| Material & Supplies | | | | | | | | | |
| Equipment Under \$10,000 | \$11,519 | \$11,519 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | 100.0% (VOL) |
| Fluids | 515 | 515 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Fuel | 29,013 | 29,013 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Gas & Electric | 7,140 | 7,140 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| General Supplies | 35,928 | 35,928 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Tools | 3,605 | 3,605 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Office Supplies/Services | 3,090 | 3,090 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Material & Supplies | \$90,811 | \$90,811 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |

Dublin San Ramon Service District
Local Sewer Utility
Functionalization and Classification
Exhibit 11 - Revenue Requirement

Page 2 of 3

| Account Name | Test Year FY 2023 | Strength Related | | Weighted for: | | Revenue (RR) | Direct (DA) | Basis of Classification |
|--|----------------------|------------------------------|-------------------------------|------------------------------|----------------------------|--------------------------------|----------------|-------------------------|
| | | Operating Volume (VOL) | Bio-oxygen Demand (BOD) | Suspended Solids (TSS) | Actual Customer (AC) | Customer Acct/Svcs (WCA) | | |
| <i>Contract Services</i> | | | | | | | | |
| Legal Services | \$1,751 | \$1,751 | \$0 | \$0 | \$0 | \$0 | \$0 | 100.0% (VOL) |
| Professional Services | 86,345 | 86,345 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Advertising | 7,725 | 7,725 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Equipment Lease/Rental | 3,605 | 3,605 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Maintenance Contracts | 42,284 | 42,284 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Other Services | 226,503 | 226,503 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Printing Services | 22,094 | 22,094 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| <i>Contract Services</i> | \$390,306 | \$390,306 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| <i>Other Expenses</i> | | | | | | | | |
| Meetings | \$536 | 536 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Permits, Licenses & District Mbrshps | 27,398 | 27,398 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Credit Card Transaction Fees | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (AC) |
| Overhead Charges | 843,353 | 843,353 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| <i>Other Expenses</i> | \$871,286 | \$871,286 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total Sewer Operations Expenses | \$4,672,824 | \$4,226,083 | \$0 | \$0 | \$446,741 | \$0 | \$0 | \$0 |
| Debt Service | | | | | | | | |
| Sewer Operations Debt | \$0 | 0 | 0 | 0 | 0 | 0 | 0 | 100.0% (VOL) |
| Total Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Transfer to Reserves | | | | | | | | |
| 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | Total O&M |
| OPEB Fund 965 | \$116,483 | \$105,346 | \$0 | \$0 | \$11,136 | \$0 | \$0 | Total O&M |
| Replace reduction in Buy-In | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Total O&M |
| Replacement Fund | 800,000 | 723,517 | 0 | 0 | 76,483 | 0 | 0 | Total O&M |
| Rate Stabilization Fund | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Total O&M |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Total O&M |
| Total Transfer to Reserves | \$916,483 | \$828,863 | \$0 | \$0 | \$87,619 | \$0 | \$0 | \$0 |
| Total Revenue Requirements | \$5,589,307 | \$5,054,946 | \$0 | \$0 | \$534,361 | \$0 | \$0 | \$0 |

| Account Name | Test Year FY 2023 | Operating Volume (VOL) | Strength Related | | Weighted for: | | Revenue (RR) | Direct (DA) | Basis of Classification |
|-----------------------------|----------------------|------------------------------|-------------------------------|------------------------------|----------------------------|--------------------------------|-----------------|----------------|---------------------------|
| | | | Bio-oxygen Demand (BOD) | Suspended Solids (TSS) | Actual Customer (AC) | Customer Acct/Svcs (WCA) | | | |
| Less: Miscellaneous Revenue | | | | | | | | | |
| Enterprise Operations | | | | | | | | | |
| General Inspections | \$306,000 | \$276,745 | \$0 | \$0 | \$29,255 | \$0 | \$0 | \$0 | Total Revenue Requirement |
| Overtime Inspections | 3,600 | 3,256 | 0 | 0 | 344 | 0 | 0 | 0 | Total Revenue Requirement |
| Plan Check Fees | 60,000 | 54,264 | 0 | 0 | 5,736 | 0 | 0 | 0 | Total Revenue Requirement |
| Miscellaneous Revenue | 12,000 | 10,853 | 0 | 0 | 1,147 | 0 | 0 | 0 | Total Revenue Requirement |
| Pooled Interest | 86,486 | 78,218 | 0 | 0 | 8,268 | 0 | 0 | 0 | Total Revenue Requirement |
| Miscellaneous Revenues | \$468,086 | \$423,335 | \$0 | \$0 | \$44,751 | \$0 | \$0 | \$0 | |
| Less: Use of Reserves | | | | | | | | | |
| Enterprise Fund | \$315,000 | \$284,885 | \$0 | \$0 | \$30,115 | \$0 | \$0 | \$0 | Total Revenue Requirement |
| Total Use of Reserves | \$315,000 | \$284,885 | \$0 | \$0 | \$30,115 | \$0 | \$0 | \$0 | |
| Net Revenue Requirements | \$4,806,221 | \$4,346,726 | \$0 | \$0 | \$459,494 | \$0 | \$0 | \$0 | |

Notes:

[1] WCA related cost based on the percentage of customer related cost vs. total overhead costs

Dublin San Ramon Service District
Local Sewer Utility
Cost of Service Summary
Exhibit 12 - Distribution by Component

| Classification Components | FY 2023 O&M Expenses | Single Family | Multifamily | Non-Residential | |
|-----------------------------------|-------------------------|--------------------|--------------------|------------------|-------------------|
| Volume Related | \$4,346,726 | \$2,518,646 | \$1,230,438 | \$597,642 | (VOL) - Exhibit 3 |
| Strength Related | | | | | |
| Bio-oxygen Demand (BOD-1) | \$0 | \$0 | \$0 | \$0 | (BOD) - Exhibit 5 |
| Suspended Solids (SS-1) | 0 | 0 | 0 | 0 | (TSS) - Exhibit 5 |
| Total Strength Related | \$0 | \$0 | \$0 | \$0 | |
| Customer Related | | | | | |
| - Actual Customer | \$459,494 | \$266,073 | \$184,781 | \$8,640 | (AC) - Exhibit 4 |
| - Weighted Customer | 0 | 0 | 0 | 0 | (WCA) - Exhibit 4 |
| Total Customer Related | \$0 | \$266,073 | \$184,781 | \$8,640 | |
| Revenue Related | \$0 | \$0 | \$0 | \$0 | (RR) - Exhibit 6 |
| Direct Assignment | \$0 | \$0 | \$0 | \$0 | (DA) - Exhibit 10 |
| Total Revenue Requirements | \$4,806,221 | \$2,784,719 | \$1,415,219 | \$606,283 | |

Dublin San Ramon Service District
Local Sewer Utility
Cost of Service Summary
Exhibit 13 - Summary of Cost Distribution

| | FY 2023 Total | Single Family | Multifamily | Non-Residential |
|-----------------------------------|---------------|---------------|-------------|-----------------|
| Revenues at Present Rates | \$4,492,527 | \$2,631,582 | \$1,284,854 | \$576,092 |
| Allocated Revenue Requirement | \$4,806,221 | \$2,784,719 | \$1,415,219 | \$606,283 |
| Balance/(Deficiency) of Funds | (\$313,693) | (\$153,137) | (\$130,366) | (\$30,191) |
| Required % Change in Rates | 7.0% | 5.8% | 10.1% | 5.2% |

Dublin San Ramon Service District
Local Sewer Utility
Cost of Service Summary
Exhibit 14 - Average Unit Cost

| | System Average | Single Family | Multifamily | Non- Residential |
|------------------------------------|-------------------|----------------|----------------|---------------------|
| Volume Costs - \$/100 CF | \$1.27 | \$1.27 | \$1.27 | \$1.27 |
| Strength Costs - \$/100 CF | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Revenue/Direct - \$/100 CF | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| Total \$/100 CF | \$1.27 | \$1.27 | \$1.27 | \$1.27 |
| Customer Costs - \$/Customer/Month | 2.33 | \$2.33 | \$2.33 | \$2.33 |
| Allocated Costs | \$4,806,221 | \$2,784,719 | \$1,415,219 | \$606,283 |
| Billing Units | | 19,054 | 13,232 | 469,752 |
| Proposed Rates | | \$24.36 | \$17.83 | \$1.29 |
| | | Bimonthly | Bimonthly | per CCF |
| Basic Data: | | | | |
| Annual Flow - 100 CF | 3,416,562 | 1,979,677 | 967,134 | 469,752 |
| Number of Customers/DUE's | 32,905 | 19,054 | 13,232 | 619 |