

# AGENDA

## NOTICE OF REGULAR MEETING

**TIME:** 6 p.m.

**DATE:** Tuesday, May 2, 2023

**Quorum will be present at:**

**PLACE:** Regular Meeting Place  
7051 Dublin Boulevard, Dublin, CA  
[www.drsrd.com](http://www.drsrd.com)

**Alternate teleconference location:**

**PLACE:** 2838 Southwind Lane, Dublin, CA 94568

**Our mission is to protect public health and the environment by providing reliable and sustainable water, recycled water, and wastewater services in a safe, efficient, and fiscally responsible manner.**

1. CALL TO ORDER
2. PLEDGE TO THE FLAG
3. ROLL CALL – Members: Goel, Govindarao, Halket, Johnson, Vonheeder-Leopold
4. SPECIAL ANNOUNCEMENTS/ACTIVITIES
5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC)  
At this time those in the audience are encouraged to address the Board on any item of interest that is within the subject matter jurisdiction of the Board and not already included on tonight’s agenda. Comments should not exceed five minutes. Speaker cards are available from the District Secretary and should be completed and returned to the Secretary prior to addressing the Board. The President of the Board will recognize each speaker, at which time the speaker should proceed to the lectern, introduce him/herself, and then proceed with his/her comment. Written comments received by 3 p.m. on the day of the meeting will be provided to the Board.
6. AGENDA MANAGEMENT (CONSIDER ORDER OF ITEMS)
7. CONSENT CALENDAR  
Matters listed under this item are considered routine and will be enacted by one Motion, in the form listed below. There will be no separate discussion of these items unless requested by a Member of the Board or the public prior to the time the Board votes on the Motion to adopt.
  - 7.A. Approve Special Meeting Minutes of April 17, 2023  
**Recommended Action:** Approve by Motion
  - 7.B. Approve Regular Meeting Minutes of April 18, 2023  
**Recommended Action:** Approve by Motion
  - 7.C. Approve Intention to Levy Annual Assessments in the Dougherty Valley Standby Charge District 2001-1 for Fiscal Year Ending 2024  
**Recommended Action:** Approve by Resolution

8. BOARD BUSINESS

- 8.A. Public Hearing: Adopt the 2023 Local and Regional Wastewater Rates and Rescind Resolution No. 33-17 and Resolution No. 36-22  
**Recommended Action:** Hold Public Hearing and Adopt by Resolution

9. REPORTS

9.A. Boardmember Items

- 9.A.1. Joint Powers Authority and Committee Reports  
Tri-Valley Water Liaison – April 25, 2023  
DERWA – April 24, 2023
- 9.A.2. Submittal of Written Reports for Day of Service Events Attended by Directors
- 9.A.3. Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

9.B. Staff Reports

- 9.B.1. Event Calendar
- 9.B.2. Correspondence from the Board

10. ADJOURNMENT

*All materials made available or distributed in open session at Board or Board Committee meetings are public information and are available for inspection during business hours by calling the District Secretary at (925) 828-0515. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.*

**DUBLIN SAN RAMON SERVICES DISTRICT  
MINUTES OF A SPECIAL MEETING OF THE BOARD OF DIRECTORS**

**April 17, 2023**

1. CALL TO ORDER

A special meeting of the Board of Directors was called to order at 4:03 p.m. by President Vonheeder-Leopold.

2. PLEDGE TO THE FLAG

3. ROLL CALL

Boardmembers present at start of meeting: President Georgean M. Vonheeder-Leopold, Vice President Ann Marie Johnson, and Director Richard M. Halket.

Director Arun Goel entered the meeting at 4:11 p.m. after the roll call was done and Item 6.A had commenced. Director Dinesh Govindarao was absent.

District staff present: Dan McIntyre, General Manager; Jan Lee, Assistant General Manager; and Nicole Genzale, Executive Services Supervisor/District Secretary.

4. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC) – 4:04 p.m. No public comment was received.

5. REPORTS

5.A. Boardmember Items

5.A.1. Submittal of Written Reports for Day of Service Events Attended by Directors

President Vonheeder-Leopold submitted a written report to Executive Services Supervisor/District Secretary Genzale. She reported that she attended the Alameda County Special Districts Association Executive Committee meeting on April 12. She summarized the activities and discussions at the meeting.

6. CLOSED SESSION

At 4:07 p.m. the Board went into Closed Session.

6.A. Public Employee Appointment Pursuant to Government Code Section 54957  
Title: District General Counsel

7. REPORT FROM CLOSED SESSION

At 7:34 p.m. the Board came out of Closed Session. President Vonheeder-Leopold announced that there was no reportable action.

8. ADJOURNMENT

President Vonheeder-Leopold adjourned the meeting at 7:35 p.m.

Submitted by,

Nicole Genzale, CMC  
Executive Services Supervisor/District Secretary

**DUBLIN SAN RAMON SERVICES DISTRICT  
MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS**

**April 18, 2023**

1. CALL TO ORDER

A regular meeting of the Board of Directors was called to order at 6 p.m. by President Vonheeder-Leopold.

2. PLEDGE TO THE FLAG

3. ROLL CALL

Boardmembers present at start of meeting: President Georgan M. Vonheeder-Leopold, Vice President Ann Marie Johnson, Director Arun Goel, Director Dinesh Govindarao, and Director Richard M. Halket.

District staff present: Dan McIntyre, General Manager; Jan Lee, Assistant General Manager; Carol Atwood, Administrative Services Director/Treasurer; Steve Delight, Engineering Services Director/District Engineer; Jeff Carson, Operations Director; Michelle Gallardo, Special Assistant to the General Manager; Douglas E. Coty, General Counsel; and Nicole Genzale, Executive Services Supervisor/District Secretary.

4. SPECIAL ANNOUNCEMENTS/ACTIVITIES

4.A. New Employee Introductions

Carrie Rodriguez, Utility Billing & Customer Services Representative I (Limited Term)

4.B. Presentation by and Award to Winner of the Excellence in Water, Wastewater or Recycled Water Research Category of the Alameda County Science and Engineering Fair

First Place Winner: Anwasha Ghosh, 11th grade, Dublin High School, Dublin  
Presentation: "Alternative Energy & Bioremediation with Algae"

5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC) – 6:27 p.m. No public comment was received.

6. AGENDA MANAGEMENT (CONSIDER ORDER OF ITEMS) – No changes were made.

7. CONSENT CALENDAR

Director Halket MOVED for approval of the items on the Consent Calendar. Director Goel SECONDED the MOTION, which CARRIED with FIVE AYES.

7.A. Approve Regular Meeting Minutes of April 4, 2023 – Approved

7.B. Approve Proclamation Celebrating May 2023 as Water Awareness Month – Approved

7.C. Approve the Sewer Agency Charge Billing and Collection Agreement with the East Bay Municipal Utility District – Approved – Resolution No. 11-23

- 7.D. Approve the District's Five-Year Strategic Plan for Fiscal Years Ending 2024–2028 – Approved – Resolution No. 12-23

8. BOARD BUSINESS

- 8.A. Receive Presentation and Approve Proposed Livermore-Amador Valley Water Management Authority (LAVWMA) Operation and Maintenance Budgets for Fiscal Years Ending 2024 and 2025

Management Analyst II Erin Steffen reviewed the item for the Board. The Board and staff discussed the preparation of the LAVWMA and DSRSD budgets, how they coordinate with each other, and DSRSD's contractual obligation to approve the LAVWMA budget each year.

Director Govindarao MOVED to Approve the Proposed Livermore-Amador Valley Water Management Authority (LAVWMA) Operation and Maintenance Budgets for Fiscal Years Ending 2024 and 2025 Conditional Upon the Dublin San Ramon Services District Budget for Fiscal Years Ending 2024 and 2025 Being Approved. Director Halket SECONDED the MOTION, which CARRIED with FIVE AYES.

- 8.B. Approve Proclamation Celebrating Dublin San Ramon Services District's 70 Years of Service

Special Assistant to the General Manager Gallardo reviewed the item for the Board.

Director Halket MOVED to Approve the Proclamation Celebrating Dublin San Ramon Services District's 70 Years of Service. Director Govindarao SECONDED the MOTION, which CARRIED with FIVE AYES.

9. REPORTS

- 9.A. Boardmember Items – None

9.A.1. Joint Powers Authority and Committee Reports

9.A.2. Submittal of Written Reports for Day of Service Events Attended by Directors

9.A.3. Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

- 9.B. Staff Reports

9.B.1. Event Calendar – Staff reported on the following:

- The Dublin Chamber of Commerce is hosting the Dublin State of the City Address tomorrow at the Shannon Community Center at 11:30 a.m. The District has sponsored a table.

9.B.2. Correspondence from the Board – None

10. CLOSED SESSION

At 6:43 p.m. the Board went into Closed Session.

- 10.A. Conference with Labor Negotiators Pursuant to Government Code Section 54957.6
- Agency Negotiators: Dan McIntyre, General Manager  
Jan Lee, Assistant General Manager  
Michelle Gallardo, Special Assistant to the General Manager  
Samantha Koehler, Acting Human Resources & Risk Manager
- Employee Organizations: 1. Stationary Engineers, Local 39  
2. IFPTE Local 21/Professional Employees  
3. Mid-Management Employees Bargaining Unit
- Additional Attendees: Douglas E. Coty, General Counsel

Ms. Gallardo and Ms. Koehler left the Closed Session after Item 10.A., and Administrative Services Director Atwood entered the Closed Session.

- 10.B. Conference with Legal Counsel – Significant Exposure to Litigation Pursuant to Government Code Section 54956.9(d)(2): (one case)

Mr. Coty and Ms. Atwood left the Closed Session after Item 10.B.

- 10.C. Public Employee Appointment Pursuant to Government Code Section 54957  
Title: District General Counsel

11. REPORT FROM CLOSED SESSION

At 7:54 p.m. the Board came out of Closed Session. President Vonheeder-Leopold announced that there was reportable action for Item 10.C. There was no reportable action for Items 10.A and 10.B. She reported that the Board has instructed staff to begin negotiations with Bartkiewicz, Kronick & Shanahan, the District's current legal firm, for District General Counsel services.

12. ADJOURNMENT

President Vonheeder-Leopold adjourned the meeting at 7:55 p.m.

Submitted by,

Nicole Genzale, CMC  
Executive Services Supervisor/District Secretary



**TITLE:** Approve Intention to Levy Annual Assessments in the Dougherty Valley Standby Charge District 2001-1 for Fiscal Year Ending 2024

**RECOMMENDATION:**

Staff recommends the Board of Directors approve, by Resolution, the intention to levy assessments in the Dougherty Valley Standby Charge District 2001-1 for Fiscal Year Ending 2024 and set a public hearing for June 20, 2023.

**DISCUSSION:**

The Zone 7 Water Agency (Zone 7) assesses parcel owners in its service area for a proportionate share of California Department of Water Resources State Water Project costs via the Alameda County property tax roll. Since Zone 7 does not have authority to assess Contra Costa County parcel owners, DSRSD established the Dougherty Valley Standby Charge District 2001-1 (DVSCD) to recover Zone 7’s share of the State Water Project costs on its behalf. State Water Project costs assessed to DVSCD parcel owners on the Contra Costa County property tax roll are collected by DSRSD and then remitted directly to Zone 7.

Each year, Zone 7 provides estimated State Water Project costs specifically tied to providing water service to Dougherty Valley. The Dougherty Valley’s share of the State Water Project costs to Zone 7 are estimated at \$2.37 million for fiscal year ending (FYE) 2023 and \$2.35 million for FYE 2024.

An Engineer’s Report is prepared annually that shows a projection of the costs expected to be incurred in the upcoming fiscal year and the allocation of those costs based upon equivalent dwelling units. The report is on file with the District Secretary for public review. Based on this report, the annual assessment for DVSCD for FYE 2024 will remain at the maximum allowed of \$170.75 per equivalent dwelling unit, or \$1,303,941.94.

The maximum allowed assessment for DVSCD is approximately \$1 million less than the estimated State Water Project costs, leading to a structural deficit that became apparent in 2019. Therefore, on June 18, 2019, the Board established the Dougherty Valley Incremental State Water Project Charge to recover State Water Project costs above the maximum allowed assessment for DVSCD. The approval of the Dougherty Valley Incremental State Water Project Charge is considered by the Board as a separate agenda item, and the Dougherty Valley Incremental State Water Project Charge Report is prepared separately from the Engineer’s Report.

This recommended action is the first action that must be taken by the Board each year to levy assessments. The Board first adopts a resolution of intention to levy annual assessments, followed by a public hearing recommended to be scheduled for June 20, 2023. A public hearing notice (Attachment 1) will be published in the local newspaper on June 6 and 13, 2023. After the public hearing, the Board adopts the Engineer’s Report and directs the levy of the assessment to be placed on the property tax roll, which is then submitted to Contra Costa County no later than August 10.

Originating Department: Administrative Services	Contact: C. Atwood	Legal Review: No
Financial Review: Yes	Cost and Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	Attachment 1 – Notice of Public Hearing	
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**DUBLIN SAN RAMON SERVICES DISTRICT  
NOTICE OF PUBLIC HEARING**

**NOTICE IS HEREBY GIVEN** that the Board of Directors of the Dublin San Ramon Services District will hold a Public Hearing on Tuesday, June 20, 2023, at 6 p.m., in the Boardroom at the District Office at 7051 Dublin Boulevard, Dublin, California, to consider the levy of annual assessments in the District's Dougherty Valley Standby Charge District 2001-1 for fiscal year 2023–2024.

**NOTICE IS FURTHER GIVEN** that on June 16, 2001, by its Resolution No. 20-01, the Board under Article XIII D of the California Constitution and the Uniform Standby Charge Procedures Act, Sections 54984 et seq., of the California Government Code (together, the "Act") established the District's Dougherty Valley Standby Charge District 2001-1 (the "Assessment District") and authorized the levy of annual assessments for standby charges (the "Assessments") in the Assessment District to pay for certain water supply costs and charges.

Under the Act, the Board, by a Resolution adopted May 2, 2023, has expressed its intention to levy the Assessments for the fiscal year ending 2024 (the "Next Fiscal Year") after a public hearing to be held before the Board during a regular meeting. At the hearing, the Board will consider the Annual Engineer's Report concerning the proposed Assessments for the Next Fiscal Year, hear all persons interested in the Assessments, consider all objections to the Assessments, if any, and take final action on the levy of the Assessments for the Next Fiscal Year.

**NOTICE IS FURTHER GIVEN** that the Dougherty Valley Standby Charge shall appear on the 2023–2024 (July 1, 2023, to June 30, 2024) secured property tax rolls as "DSRSD-DOUGHERTY VLY 01-1" and are summarized below:

Dwelling Type	Equivalent Dwelling Unit (EDU)	Annual Service Charge <sup>(1)</sup>
Single-Family Detached	1.00	\$170.74 <sup>(2)</sup>
Multi-Family Attached	0.40	\$68.30
Commercial Land	4.00	\$683.00 per Acre
<sup>(1)</sup> Annual service charge is apportioned according to the equivalent dwelling unit (EDU) of the parcel; the rate for a single family is the base, \$170.75 for 1.0 EDU.		
<sup>(2)</sup> Adjusted to be divisible by two for semi-annual tax billing.		

The Draft Engineer's Report is available for review on the District's website at [www.dsrds.com/your-account/rates-fees](http://www.dsrds.com/your-account/rates-fees) (Rates & Fees page) and at the Office of the District Secretary during regular business hours at the District Office at 7051 Dublin Boulevard, Dublin, California. Background information shall be included in the Board agenda packets of May 2 and June 20, 2023, posted on the District's website at [www.dsrds.com/about-us/board-meetings-agendas-minutes-videos](http://www.dsrds.com/about-us/board-meetings-agendas-minutes-videos) 72 hours before the meeting .

For additional information about this matter or to submit written comments, contact Administrative Services Director Carol Atwood at 925-875-2270 or [atwood@dsrds.com](mailto:atwood@dsrds.com). Comments received by 3 p.m. on the day of the meeting will be provided to the Board before the meeting.

By: Nicole Genzale, CMC  
District Secretary



RESOLUTION NO. \_\_\_\_\_

A RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT OF INTENTION TO LEVY ANNUAL ASSESSMENTS IN THE DUBLIN SAN RAMON SERVICES DISTRICT DOUGHERTY VALLEY STANDBY CHARGE DISTRICT 2001-1 FOR FISCAL YEAR 2023-2024

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RESOLVED by the Board of Directors (the "Board") of the Dublin San Ramon Services District (the "District"), County of Contra Costa (the "County"), State of California, as follows:

WHEREAS, on May 1, 2001, this Board adopted Resolution No. 14-01, A Resolution Initiating Proceedings for the Levy of Standby Charges, and in it directed the preparation and filing of a report in writing (the "Engineer's Report"), all in accordance with and pursuant to Article XIII D of the California Constitution and the Uniform Standby Charge Procedures Act, Sections 54984 et seq., of the California Government Code (together, the "Act") in and for the District's proposed Dougherty Valley Standby Charge District 2001-1 (the "Assessment District"); and

WHEREAS, on June 19, 2001, after a duly noticed and held public hearing, by Resolution No. 20-01, this Board approved the establishment of the Assessment District and approved the Engineer's Report with respect thereto and authorized the levy of assessments for standby charges (the "Assessments") in the Assessment District to pay for certain water supply costs in amounts not to exceed those provided in the Engineer's Report; and

WHEREAS, under the Act, this Board is authorized to levy assessments each year for the Assessment District and by this resolution expresses its intention to do so for the fiscal year 2023/24 (the "Next Fiscal Year").

NOW THEREFORE, BE IT ORDERED that:

1. Engineer's Report. NBS Government Finance Group, a California corporation, is hereby designated as the Engineer of Work for the District for the purposes of levying the Dougherty Valley Standby Charge for Fiscal Year 2023/24. The Engineer of Work has caused to prepare a report under the Act (the "Engineer's Report") and has filed the Engineer's Report with the District Secretary. The Report has been duly considered by this Board with the aid of District Staff and is hereby deemed sufficient and preliminarily approved and shall stand as the Engineer's Report for all subsequent proceedings for the District. Reference is hereby made to the Engineer's Report for a full and detailed description of the budget for the Assessment District for the Next Fiscal Year and the proposed assessments upon the described, assessable lots and parcels of land within the Assessment District.

2. Public Hearing. Under the Act, this Board hereby orders that a public hearing shall be held before this Board, in the regular meeting on June 20, 2023, at 6 p.m. The Board hereby also directs the District Secretary to publish a public hearing notice twice - at least 14 days before the public hearing and at least 5 days after the first publication. At the public hearing, the Board will hear all persons interested in the Assessments, consider all objections to the Assessments, if any, and then take final action on the levy of the Assessments. The public hearing may be continued from time to time as determined by the Board, without further published or written notice.

3. Published Notice. Notice of the public hearing is given by publishing a notice pursuant to Government Code Section 6066 in a newspaper of general circulation.

PASSED AND ADOPTED this 2nd day of May 2023 by the following vote:

AYES:

NOES:

ABSENT:

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Georgan M. Vonheeder-Leopold, President

ATTEST: \_\_\_\_\_  
Nicole Genzale, District Secretary



**TITLE:** Public Hearing: Adopt the 2023 Local and Regional Wastewater Rates and Rescind Resolution No. 33-17 and Resolution No. 36-22

**RECOMMENDATION:**

Staff recommends the Board of Directors take the following actions:

1. Hold a public hearing on the 2023 local and regional wastewater rates.
2. Receive public comments and any written protests brought to the public hearing.
3. Direct the District Secretary to provide a verbal tally of all written protests received by the end of the public hearing.
4. Adopt, by Resolution, the wastewater rates under Section 5.30.020 of the District Code and as shown in Exhibit A, and
5. Rescind Resolution No. 33-17 and Resolution No. 36-22 as shown in Exhibit B.

**SUMMARY:**

DSRSD engaged the firm HDR Engineering, Inc. (HDR), to review the District’s local and regional wastewater rates. A detailed discussion of the local and regional wastewater rate study and proposed rates for fiscal years 2024–2028 is included in this report. If approved, effective July 1, 2023, the combined local and regional bimonthly rates will decrease from \$82.62 to \$82.58 for single family residential customers, increase from \$56.93 to \$61.98 for condominium customers, and increase from \$48.22 to \$61.98 for multi-family developments. The Board received a presentation by staff and HDR on the residential rates as well as commercial, industrial, and institutional rates at the regular Board meeting on March 7, 2023.

**BACKGROUND:**

Per the District’s Rate Policies and Guidelines policy, utility rates are to be reviewed no less than once every five years, in order to assess the fairness of the rates to the District’s ratepayers and to ensure that the necessary revenue is available for the District’s operating and replacement needs. Under the provisions of the policy, a rate study is to be completed in accordance with a number of industry-wide best management practices. The rate study considers the District’s revenue requirements to meet costs and other financial obligations, the cost of service (portion of cost borne by different categories of customers), and appropriate rate design to achieve various public policy goals.

The District’s last local and regional wastewater rate study was performed in 2017 for a five-year period. A number of adjustments have been implemented administratively in the intervening years, as allowed by the adopting resolution. After beginning a new study in 2022, staff noted industrial wastewater strength data varied from historical averages. For this reason, staff proposed to continue the 10-year assumptions in the 2017 study in regard to a sixth-year extension which assumed a 2% inflation rate adjustment for local and regional wastewater rates. The 2% adjustment was a more conservative increase than the then-current February to February CPI of 5.19%, but provided the District time to true up the new study based on more accurate data sampling. This extension was financially accommodated given both the local and regional enterprise funds’ solid working capital balances.

**DISCUSSION:**

The local wastewater collection system is comprised of infrastructure to collect and convey wastewater from Dublin and southern San Ramon to the Regional Wastewater Treatment Plant. For the regional system, DSRSD treats wastewater at

<b>Originating Department:</b> Administrative Services	<b>Contact:</b> C. Ferreyra/C. Atwood	<b>Legal Review:</b> Yes
<b>Financial Review:</b> Yes	<b>Cost and Funding Source:</b> N/A	
<b>Attachments:</b> <input type="checkbox"/> None <input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	<b>Attachment 1 – 2023 Comprehensive Regional and Local Sewer Rate Study</b> <b>Attachment 2 – Proposition 218 Notice of Proposed Increases to Local and Regional Wastewater Rates</b> <b>Attachment 3 – Written Protest and Correspondence Received</b>	
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the Regional Wastewater Treatment Plant for the District's local customers, as well as by contract for the City of Pleasanton (Pleasanton). Just under half of the regional system customers are within Pleasanton.

DSRSD's residential wastewater charges are collected as a supplemental item on the annual county property tax bill. Multi-family residential and non-residential customers (e.g., commercial, institutional, and industrial) are billed directly by the District on a bimonthly basis.

In 2022, District staff engaged HDR to review the District's local and regional wastewater rates and prepare the 2023 Comprehensive Regional and Local Sewer Rate Study ("Study") provided as Attachment 1. The Study includes a 13-page executive summary. The Study utilizes three interrelated analyses to address the adequacy and proportionality of the District's rates:

1. **Revenue requirement** – Compares revenues to expenses to determine the required rate revenue
2. **Cost of service** – Distributes the revenue requirements to the customer classes in a proportional manner
3. **Rate design** – Considers both the level and structure of the rate design to collect the target level of revenue

In developing the Study, the District had a number of key objectives:

- 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 XIII D of the California Constitution, approved by voters in 1996).

The Study examines the effects of growth, future expenditures, general inflation, and planned capital replacement funding, and develops a model for providing the necessary revenues to meet District obligations over the next five years. Moreover, the model looks ahead over the subsequent five years to examine future trends.

#### Proposition 218 Compliance

Increases in charges for "property related fees and charges" are subject to the "majority protest" provisions of Article XIII(D), Section 6 of the California Constitution. This provision was added by the voters through an initiative process in 1996, known as Proposition 218. Public involvement in the rate-setting process is mandated by Proposition 218. The District must mail out notices of proposed rate increases no less than 45 days prior to a scheduled public hearing on the rate increases. Under provisions of Proposition 218, if a majority of property owners file a written protest to the rate increases prior to the end of the public hearing, the District is prohibited from implementing the rate increases.

The process for notification and rate setting is as follows:

- Board receives background on proposed rates.
- Board directs issuance of required Proposition 218 notice (Attachment 2) to property owners and tenants.
- Board sets public hearing for a date not less than 45 days after the mailing of the Proposition 218 notice.
- Staff mails the Proposition 218 notices and posts the Regional and Local Rate Study on the District's website.
- Board holds the Public hearing (at least 45 days after latest date that Proposition 218 notices are mailed).  
Protests may be filed up to the end of the public hearing.
- In absence of majority protest, the Board is at liberty to enact recommended rates.

The Board reviewed the rate studies on March 7, and directed staff to issue public notifications in conformance with Proposition 218 requirements. Mailed notices were sent to all property owners no later than March 17. As of April 27, the District Secretary has received one written protest and one written correspondence (Attachment 3) to the proposed rates for FYE 2023 through FYE 2028.

## Regional: Revenue Requirement & Cost of Service Analysis

The regional rate revenue requirement encompasses all the costs of operating, maintaining, and replacing the Regional Wastewater Treatment Plant, the Facultative Sludge Lagoons, the Dedicated Land Disposal Site, as well as related Livermore-Amador Valley Water Management Agency (LAVWMA) disposal costs. Regional revenues are broken down by type (e.g., DSRSD vs. Pleasanton ratepayers), and assume an annual customer growth factor informed by development projections from the cities of Dublin and Pleasanton. The growth assumptions vary by year, but are less than 2% on average.

Regional expenses assumed in FY 2024 are based on the adopted FY 2023 Operating Budget, with assumptions applied to various expense categories to reflect the anticipated FY 2024 Operating Budget (currently under preparation). The same expense assumptions are then applied to each fiscal year thereafter.

The expense categories include:

- Personnel
- Materials and supplies (chemicals, energy, equipment/tools)
- Contract services (legal, professional, maintenance, printing, etc.)
- Transfer to reserves
- Capital replacements
- Other expenses (permits, overhead, contribution to LAVWMA JPA)

FY 2024 regional program revenues are estimated at \$24.4 million, while expenses are estimated at \$25.9 million, resulting in a \$1.5 million deficit. This deficit represents the rate revenues that should be recovered through rate adjustments.

HDR performed a cost-of-service analysis to determine the proportional distribution of the regional 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. The cost-of-service analysis results indicate that cost differences exist between the customer classes of service. The redistribution of the revenue requirement drives the individual customer class rate changes required to address the deficit between present rate revenue and the revenue requirement.

The single largest result of the analysis is the update to the distributed cost for the Dublin San Ramon Services District – East Bay Municipal Utility District Recycled Water Agency (DERWA). DSRSD charges DERWA for treatment of filter backwash streams that are discharged to the DSRSD wastewater treatment plant based on rates adopted by the DSRSD Board. Since operation of the DERWA Program began in 2006, DSRSD has studied wastewater treatments rates, but has not adjusted the backwash treatment rate. The distributed cost for DERWA is estimated to increase by \$1.35 million, from \$50,000 to \$1.4 million. The increase in cost is based on historical flow and strength sampling data and reflects the addition of the ballasted flocculation treatment system in 2018 and the significant increase in recycled water production that has occurred since operations began. The backwash treatment cost is an operational cost that is apportioned to DSRSD and EBMUD based on annual recycled water usage. A portion of this cost is reimbursed by Pleasanton through DERWA wholesale charges to Pleasanton.

Another result of the analysis is a redistribution of residential costs for multi-family/condominium customers based on updated flow data. The distributed costs, which are based on volume, have increased by just under \$1.1 million for this customer class. What this means in practical terms is that multi-family and condominium customers now make up a larger proportion of the total flow to the treatment plan, and a rate change is required to address the deficit between the present rate revenue from this customer class and the redistributed cost.

### City of Pleasanton

By agreement between DSRSD and Pleasanton, Pleasanton is required to adopt the same regional wastewater treatment rates as the District. The analysis and results of the regional portion of the study has been coordinated with Pleasanton staff. Two staff meetings between the two agencies have been held over the last several months. Comments from Pleasanton staff have been incorporated into the Study.

## Local Revenue Requirement and Cost of Service Analysis

Just like the effort for the regional system, the local 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. 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 (e.g., plan check and inspection services).

Rate revenues assume an annual customer growth factor, informed by development projections from the City of Dublin (Dublin). The growth assumptions vary by year, but are less than 2% on average. Miscellaneous revenues are projected in the year the plan check and inspection fee revenue will be collected, which is also based on development projections from Dublin.

Local expenses assumed in FY 2024 are based on the adopted FY 2023 Operating Budget, with assumptions applied to various expense categories to reflect the anticipated FY 2024 Operating Budget (currently under preparation). The same expense assumptions are then applied to each fiscal year thereafter.

The expense categories include:

- Personnel
- Materials and supplies (energy, equipment/tools)
- Contract services (legal, professional, maintenance, printing, etc.)
- Transfer to reserves
- Capital replacements
- Other expenses (permits, overhead)

FY 2024 local program revenues are estimated at \$5 million, while expenses are estimated at \$5.3 million, resulting in a \$300,000 deficit. This deficit represents the rate revenues that should be recovered through rate adjustments.

HDR performed a cost-of-service analysis to determine the proportional distribution of the local revenue requirement to the various customer classes. The cost of service considers the individual customer classes wastewater flows to proportionally distribute the local costs. Unlike the regional system, the local system does not have a treatment component, and thus wastewater strength is not a distinguishing factor. The allocation of costs is mostly volume based while a smaller component was allocated based on the number of customers.

The cost-of-service analysis results indicate that cost differences exist between the customer classes. The redistribution of the revenue requirement drives the individual customer class rate changes required to address the deficit between present rate revenue and the revenue requirement. 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.

As was the case in the regional cost of service analysis, a redistribution of residential costs for multi-family/condominium customers was made based on updated flow data. The distributed costs, which are based on volume, have increased by \$130,000, from just under \$1.3 million to just over \$1.4 million for this customer class. Distributed costs for single family customers have increased by \$150,000, from \$2.65 million to \$2.8 million.

## Rate Design and Proposed Rates

The final step of the 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. The following discussion shows the impacts of recommended rate design changes adjustments. If approved, the proposed new rates will become effective July 1, 2023. Rates will be adjusted per a set schedule for the first two years (FY 2024 and 2025), while increases in the following three years (FY 2026 to 2028) will be set by and limited to inflation based on the annual February to February change in the Consumer Price Index (All Urban Consumers for San Francisco/Oakland/Hayward), as permitted by Government Code Section 53756.

Regional Rates

Table 1 provides the current and proposed bimonthly regional rates for residential customers. The residential regional rate structure is currently a fixed charge, billed bimonthly for multi-family customer types, and included on the property tax roll for single family, condominium, duplex, and townhouse customer types. The only proposed change to the residential rate structure is to set the multi-family and condominium customers to the same rate given the similar flows and strengths of these two customer types. Some customer classifications will see a decrease in their rate (single family, townhouse, and duplex), while others will see an increase (condominium and multi-family). For FY 2025, the rates will increase by 3% from the FY 2024 rates. 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 1 – Current and Proposed Regional (Treatment and Disposal) Bimonthly Residential Rates**

Customer Class	Current Rates (\$)	Effective July 1, 2023 (Fiscal Year 2024)	Effective July 1, 2024 (Fiscal Year 2025)	Effective July 1, 2025 Effective July 1, 2026 Effective July 1, 2027 (Fiscal Years 2026-28)
Single Family	59.53	58.22	59.97	Percentage increases will be set by and limited to inflation applied to the previous year's rate.
Townhouse	59.53	58.22	59.97	
Condominium	39.61	44.15	45.47	
Duplex	119.06	116.44	119.93	
Single Family w/ 2 <sup>nd</sup> Dwelling	92.67	102.37	105.44	
Multifamily	33.14	44.15	45.47	

Regional rates for commercial, institutional, and industrial customers currently 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, there 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 2 shows *current* regional bimonthly rates for non-residential customer classifications. Table 3 shows *proposed* regional bimonthly rates for non-residential customer classifications.

**Table 2 – Current Regional Bimonthly Non-Residential Rates**

	Current	Effective July 1, 2023 (Fiscal Year 2024)
<b>Commercial (per CCF)</b>		These classifications have been expanded for more accurate allocation among commercial, industrial, and institutional customers. See Table 3 below for more details.
Low – Less than 300 mg/L	2.70	
Medium – Greater than 300 and less than 600 mg/L	5.43	
High – Greater than 600 mg/L	7.58	
<b>Institutional (per CCF)</b>		
Institutional	2.70	
School (submetered)	2.07	
School (non-submetered)	2.70	
<b>Industrial (per CCF)</b>		
Less than 1,000 mg/L	9.30	
Between 1,000 and 1,500 mg/L	11.69	
Greater than 1,500 mg/L	14.09	

**Table 3 – Proposed Regional Bimonthly Non-Residential Rates**

<b>Commercial/Institutional/Industrial (per CCF)</b>	<b>Effective July 1, 2023 (Fiscal Year 2024)</b>	<b>Effective July 1, 2024 (Fiscal Year 2025)</b>	<b>Effective July 1, 2025 July 1, 2026 July 1, 2027 (Fiscal Years 2026-28)</b>
Less than or equal to 300 mg/L	3.29	3.39	Percentage increases will be set by and limited to inflation, applied to the previous year's rate.
Between 300 and 450 mg/L	4.20	4.33	
Between 450 and 600 mg/L	5.12	5.27	
Between 600 and 750 mg/L	6.03	6.21	
Between 750 and 900 mg/L	6.94	7.15	
Between 900 and 1,050 mg/L	7.85	8.08	
Greater than 1,050 mg/L	To be determined by District on calculation basis		

Table 4 shows current and proposed regional bimonthly non-residential rates for special users. As discussed in the section above, the rate for DERWA has increased significantly to cover the proportional cost to treat the filter backwash for the Recycled Water Treatment Plant.

**Table 4 – Special Users Current and Proposed Regional Bimonthly Non-Residential Rates**

<b>DERWA</b>	<b>Current</b>	<b>Effective July 1, 2023</b>	<b>Effective July 1, 2024</b>	<b>Effective July 1, 2025 July 1, 2026 July 1, 2027</b>
\$/Connection	6.65			Percentage increases will be set by and limited to inflation*, applied to the previous year's rate.
Demand (\$/MG)	125.90	3,888.52	4,005.18	
BOD (\$/lb)	0.0579	0.3549	0.3655	
TSS (\$/lb)	0.0194	0.7164	0.7379	
<b>Septic Haulers (A1 Enterprises) (per CCF)</b>	0.0690	0.0358	0.0369	

Local Rates

Table 5 provides the current and proposed bimonthly local rates (collection system). The local residential rate structure is currently a fixed charge, billed bimonthly for non-residential and multi-family 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 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. For FY 2025, the local rates will increase by 7% compared to FY 2024 rates. 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 5 – Current and Proposed Local Bimonthly Rates (Residential and Non-Residential)**

Customer Class	Current Rates (\$)	Effective July 1, 2023 (Fiscal Year 2024)	Effective July 1, 2024 (Fiscal Year 2025)	Effective July 1, 2025 Effective July 1, 2026 Effective July 1, 2027 (Fiscal Years 2026-28)
Single Family	23.09	24.36	26.06	Percentage increases will be set by and limited to inflation applied to the previous year's rate.
Townhouse	23.09	24.36	26.06	
Condominium	17.32	17.83	19.07	
Duplex	46.18	48.72	52.13	
Single Family w/ 2 <sup>nd</sup> Dwelling	38.17	42.18	45.14	
Multi-family	15.08	17.83	19.07	
Non-Residential (\$/CCF)	1.23	1.29	1.38	

Combined Local and Regional Proposed Rates

While the study treats each system separately, ultimately, District customers are charged either bimonthly or on their property tax bill (depending on customer classification) for both local and regional services. For this reason, the current and proposed combined local and regional bimonthly rates for residential and non-residential in San Ramon and Dublin are shown in Table 6. Pleasanton customers will only be charged the regional rates in Tables 1 and 3, because DSRSD does not provide local (collection) services to Pleasanton.

**Table 6 – Current and Proposed Combined Local and Regional Bimonthly Rates – Residential**

Customer Class	Current Rates (\$)	Effective July 1, 2023 (Fiscal Year 2024)	Effective July 1, 2024 (Fiscal Year 2025)	Effective July 1, 2025 Effective July 1, 2026 Effective July 1, 2027 (Fiscal Years 2026-28)
Single Family	82.62	82.58	86.03	Percentage increases will be set by and limited to inflation, applied to the previous year's rate.
Townhouse	82.62	82.58	86.03	
Condominium	56.93	61.98	64.54	
Duplex	165.24	165.16	172.06	
Single Family w/ 2 <sup>nd</sup> Dwelling Unit	130.84	144.55	150.58	
Multi-family	48.22	61.98	64.54	

In FY 2024, the combined local and regional bimonthly rate for single family, townhouse, and duplex customer classifications will be reduced slightly (a \$0.04 decrease), while multi-family and condominium rates, now combined into one rate, will increase (by \$5.05 for condominiums, and by \$13.76 for multi-family).

**Table 7 – Proposed Combined Local and Regional Bimonthly Rates – Non-Residential**

<b>Commercial/Institutional/Industrial (per CCF)</b>	<b>Effective July 1, 2023 (Fiscal Year 2024)</b>	<b>Effective July 1, 2024 (Fiscal Year 2025)</b>	<b>Effective July 1, 2025 July 1, 2026 July 1, 2027 (Fiscal Years 2026-28)</b>
Less than or equal to 300 mg/L	4.58	4.77	Percentage increases will be set by and limited to inflation, applied to the previous year’s rate.
Between 300 and 450 mg/L	5.49	5.71	
Between 450 and 600 mg/L	6.41	6.65	
Between 600 and 750 mg/L	7.32	7.59	
Between 750 and 900 mg/L	8.23	8.53	
Between 900 and 1,050 mg/L	9.14	9.46	
Greater than 1,050 mg/L	To be determined by District on calculation basis		

Requested Board Action and Next Steps

Staff recommends the Board of Directors hold a public hearing on the Local and Regional Wastewater Rate Study (FYE 2024 – FYE 2028) and adopt the proposed rates for the period of FYE 2024 through FYE 2028.



**Dublin San Ramon  
Services District**

*Water, wastewater, recycled water*

## Draft Report



**Dublin San Ramon Service District**  
Sewer Cost of Service Study  
February 28, 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". The signature is fluid and cursive, with the first name being the most prominent.

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.

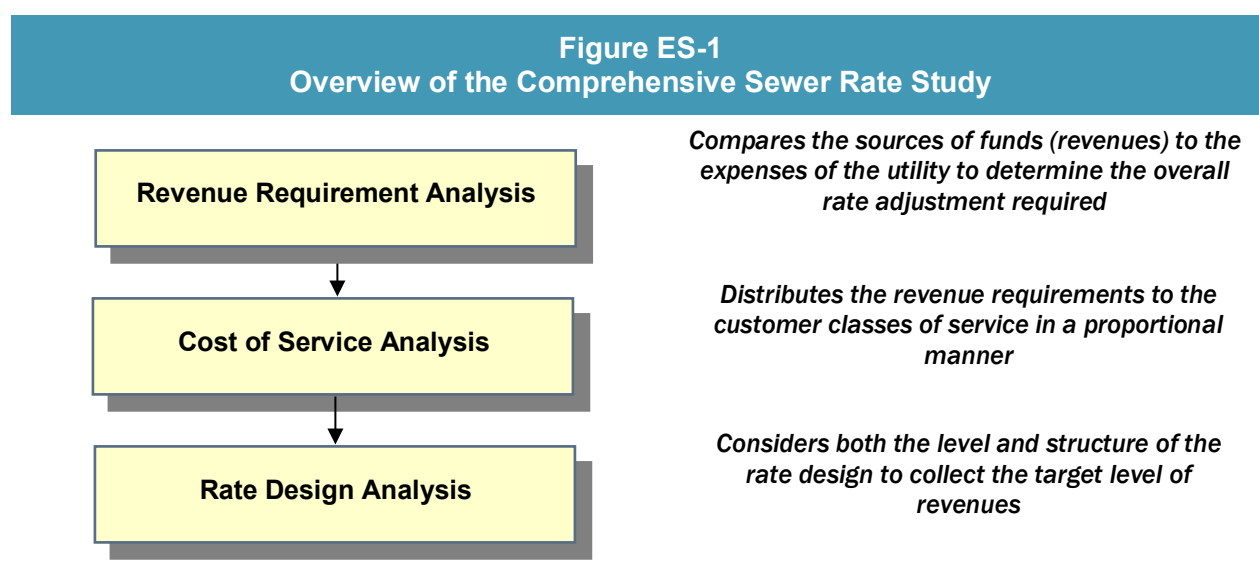
- Develop the study in a manner that is consistent with the principles and methodologies established by the Water Environment Federation (WEF), Manual of Practice No. 27, Financing and Charges for Sewer Systems.
- Review and utilize best industry practices in establishing the District’s regional and 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
<b>Sources of Funds</b>										
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
<b>Applications of Funds</b>										
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%
<b>Proposed Revenue Adjustment</b>	<b>0.0%</b>	<b>6.6%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>

## 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 customer 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
<b>Residential</b>				
Single Family/ Townhome	\$13,496	\$13,198	\$298	-2.2%
Multifamily/ Condominium	\$4,353	\$5,445	(\$1,092)	25.1%
<b>Commercial, Institutional, and Industrial</b>				
	\$5,026	\$	\$637	-12.7%
<b>Special Users</b>				
DERWA Internal Backwash	\$50	\$1,407	(\$1,357)	2738.8%
A1 Enterprise (Septic)	\$23	\$12	\$11	-48.0%
<b>Total System</b>	<b>\$22,947</b>	<b>\$24,450</b>	<b>(\$1,503)</b>	<b>6.6%</b>

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**

<b>Customer Class</b>	<b>Current Rates</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>
<b>Commercial</b>						
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
<b>Institutional</b>						
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
<b>Industrial</b>						
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
<b>Commercial/Institutional/Industrial</b>						
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				
<b>DERWA</b>						
\$/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
<b>Sources of Funds</b>										
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
<b>Applications of Funds</b>										
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%
<b>Proposed Revenue Adjustment</b>	<b>0.0%</b>	<b>7.0%</b>	<b>7.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>

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
<b>Residential</b>				
Single Family	\$2,632	\$2,785	(\$153)	5.8%
Multifamily	1,285	1,415	(130)	10.1%
<b>Non-Residential</b>	\$576	\$606	(\$30)	5.2%
<b>System Total</b>	<b>\$4,493</b>	<b>\$4,806</b>	<b>(\$314)</b>	<b>7.0%</b>

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
<b>Residential</b>						
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."*

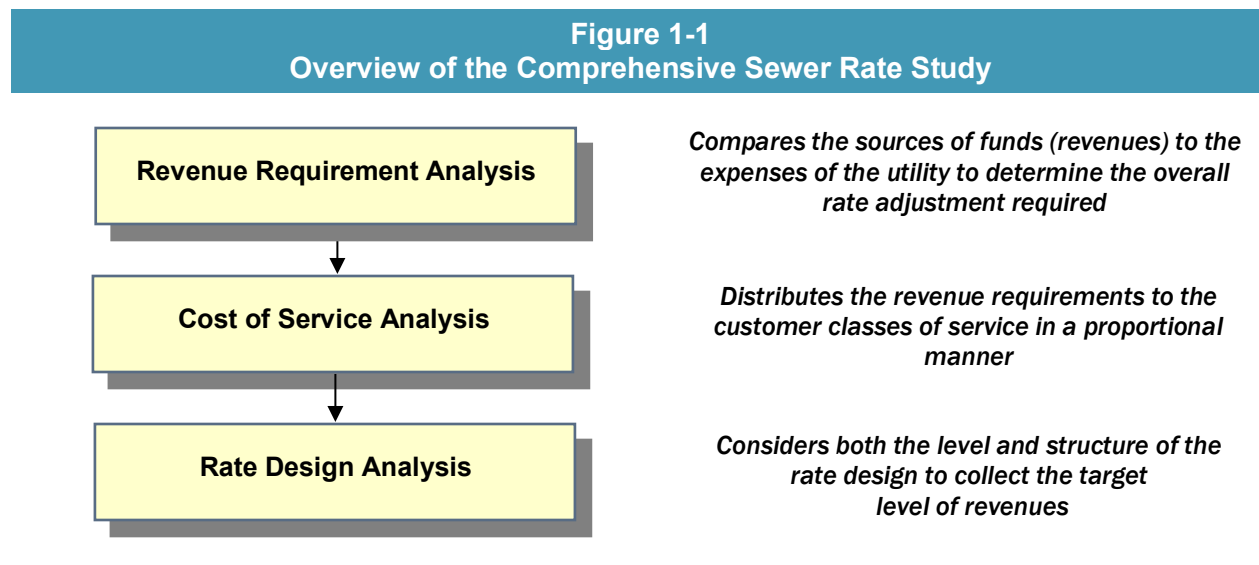
These key goals and objectives for the study provided a framework for the technical analysis that follows.

## 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.

## 2 Overview of Sewer Rate Setting Principles

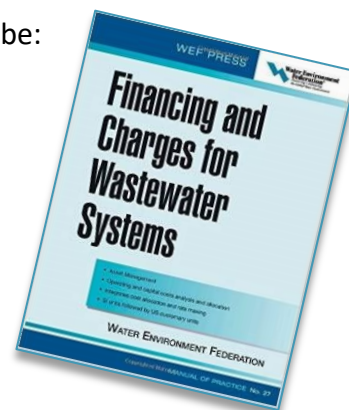
This section of the report provides background information about the sewer rate setting process, including descriptions of generally accepted principles, methods of determining a revenue requirement and designing rates. This information is useful for gaining a better understanding of the details presented 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 basis<sup>1</sup> 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:

<sup>1</sup> 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 volume<sup>2</sup>-, biochemical oxygen demand (BOD)<sup>3</sup>-, suspended solids (SS)<sup>4</sup>, 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.

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<sup>2</sup> Volume refers to the amount of wastewater discharged.

<sup>3</sup> 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.

<sup>4</sup> TSS is the entire amount of organic and inorganic particles dispersed in wastewater.

## 3 Development of the Revenue Requirement

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)

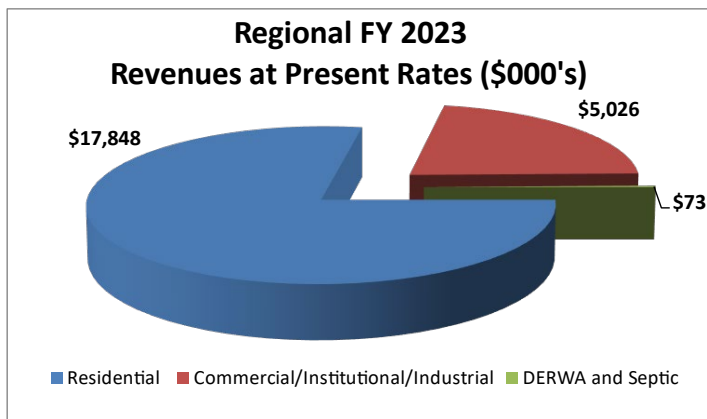
The revenue requirement developed for the District was “customized” to follow the District’s system of accounts (e.g., adopted Operating Budget) and contained the cash basis cost components. Given a time period around which to develop the revenue requirement and a method to accumulate the costs; the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

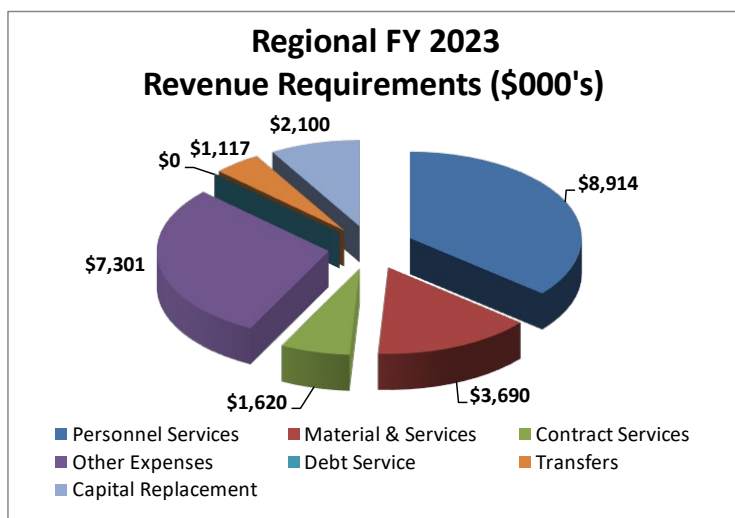


In addition to rate revenues, the District receives additional revenues from other sources such as interest income and miscellaneous fees. The total amount of miscellaneous revenues is projected to be approximately \$1.3 million for FY 2023 and escalating to \$1.7 million in 2032. As a point of reference, 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
<b>Sources of Funds</b>										
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
<b>Applications of Funds</b>										
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%
<b>Proposed Rate Adjustment</b>	<b>0.0%</b>	<b>6.6%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>

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.

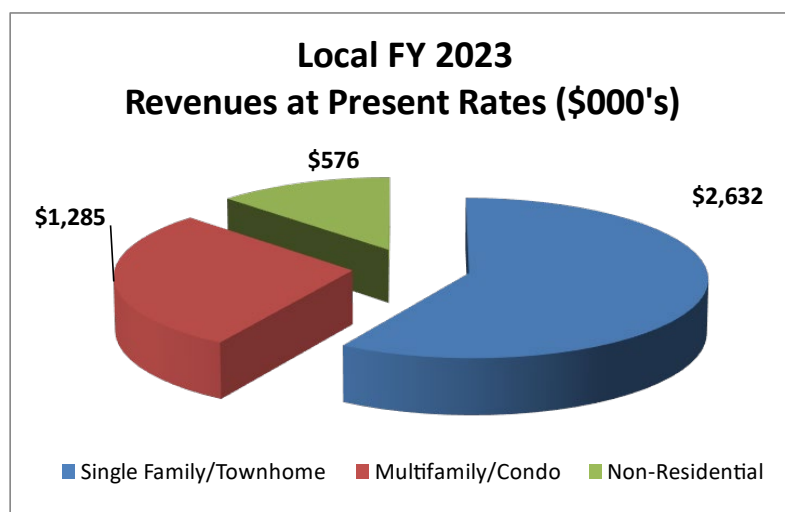
In viewing Table 3-2, it should be noted that the deficiencies shown are cumulative and compared to the current level of revenues received by the District. In other words, the cumulative deficiency of approximately \$7.9 million in FY 2032 is a function of the existing rates and no assumed adjustments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

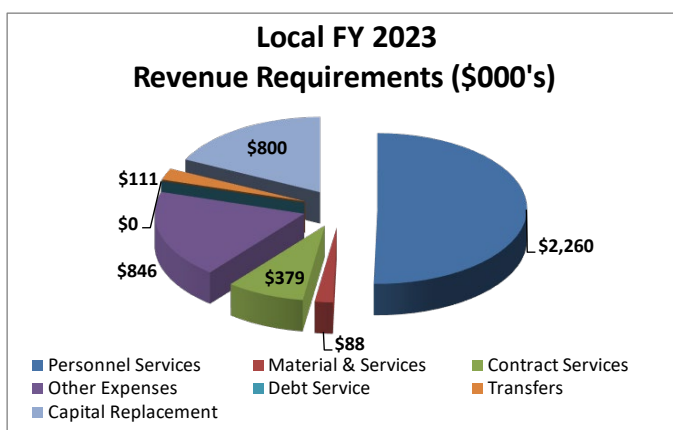


In addition to rate revenues the District receives additional revenues from other sources such as interest income and miscellaneous fees. The total amount of miscellaneous revenues is projected to be approximately \$340,000 for FY 2023 and \$294,000 in FY 2032. Nearly a quarter of the miscellaneous revenue 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
<b>Sources of Funds</b>										
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
<b>Applications of Funds</b>										
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%
<b>Proposed Revenue Adjustment</b>	<b>0.0%</b>	<b>7.0%</b>	<b>7.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>

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.

## 4 Development of the Cost of Service

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.

<b>Class</b>	<b>Strength Range</b>
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)<sup>5</sup> and total suspended solids (TSS)<sup>6</sup>. 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

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<sup>5</sup> 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.

<sup>6</sup> 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

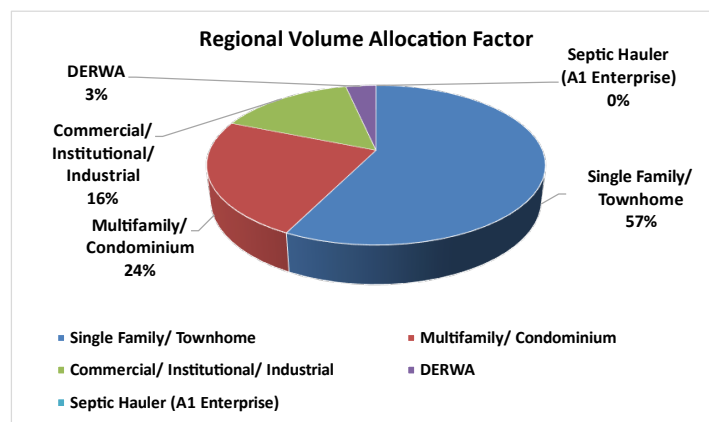
accomplished through the District’s detailed budget. However, in developing the cost of service, HDR worked with District staff to determine what costs were captured in the major cost categories related to wastewater treatment functions to develop an equitable allocation of costs for the regional system. 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

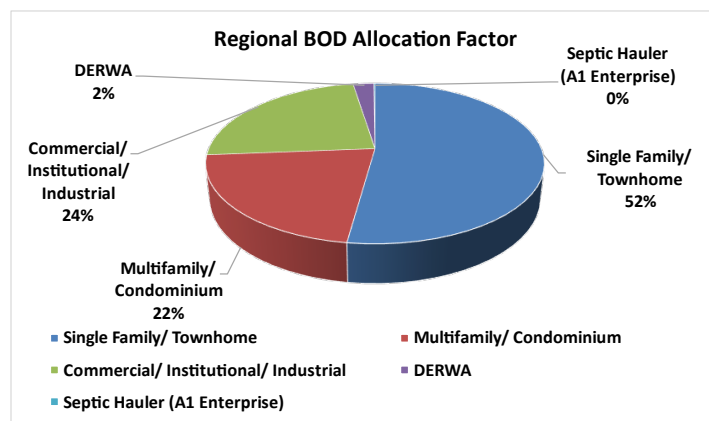
### 4.5.1 Regional Distribution Factors

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.



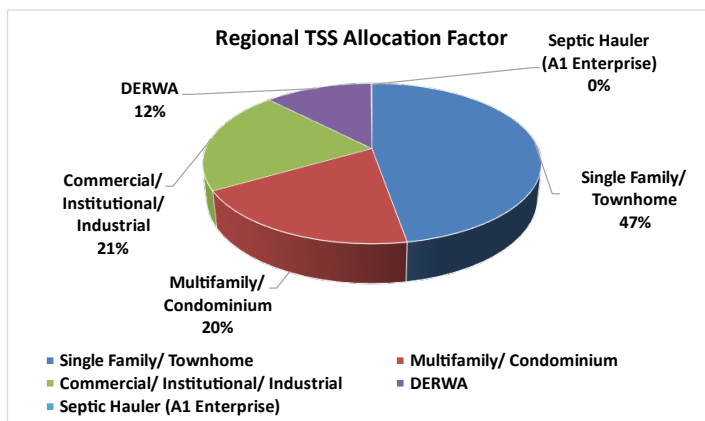
The volume distribution factor is based on the assumed flow of wastewater at the wastewater treatment plant. the Single Family and Townhome customer class is the largest volume contributor with over half of the wastewater flow. Multifamily and condominiums are the second highest with nearly a quarter 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.

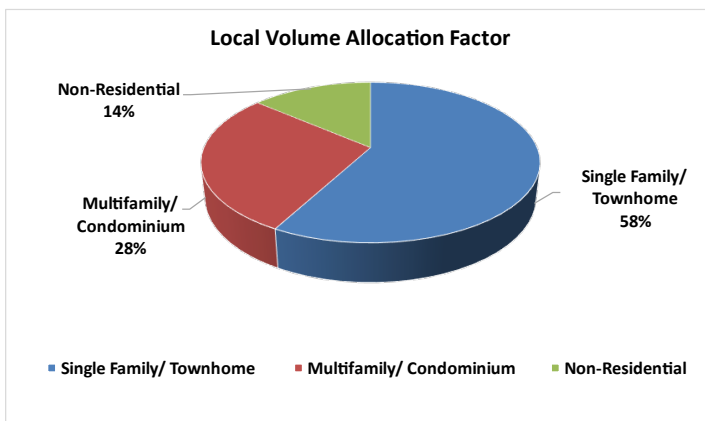
The TSS distribution factor is like the BOD distribution factor as it is also based on the pound of TSS. The proportion of TSS is like BOD but more weighted to the non-residential customers. Specifically, DERWA has increased its percent of the total from 2% of the BOD to 12% of the TSS.



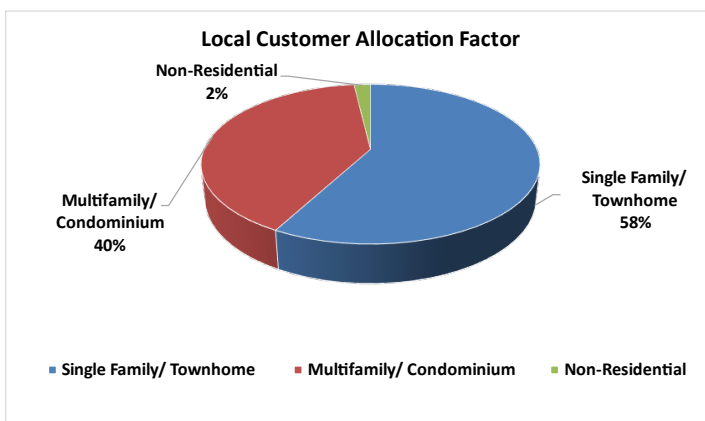
The distribution factor percentages are the basis for the proportional distribution of the allocated costs to each customer class. In essence, if a customer such as single family and townhomes volume allocation factor is 57% that means that they represent 57% of the wastewater volume, and they are responsible 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)**

	<b>Total Revenue Requirement</b>	<b>Volume Related</b>	<b>Bio-Oxygen Demand</b>	<b>Total Suspended Solids</b>
<b>Residential</b>				
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>
<b>Total Residential</b>	\$18,643	\$12,019	\$2,096	\$4,527
<b>Commercial &amp; Industrial</b>	\$4,389	\$2,294	\$676	\$1,419
<b>Special Users</b>				
DERWA Internal Backwash	\$1,407	\$508	\$67	\$831
A1 Enterprise (Septic)	<u>12</u>	<u>1</u>	<u>4</u>	<u>7</u>
<b>Total Special Users</b>	\$1,419	\$510	\$71	\$839
<b>Total System</b>	<b>\$24,450</b>	<b>\$14,822</b>	<b>\$2,843</b>	<b>\$6,785</b>

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)**

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

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
<b>Residential</b>			
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
<b>Commercial &amp; Industrial</b>			
	\$606	\$598	\$9
<b>Total System</b>	<b>\$4,806</b>	<b>\$4,347</b>	<b>\$459</b>

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
<b>Residential</b>				
Single Family	\$2,632	\$2,785	(\$153)	5.8%
Multifamily	1,285	1,415	(130)	10.1%
<b>Non-Residential</b>	\$576	\$606	(\$30)	5.2%
<b>System Total</b>	<b>\$4,493</b>	<b>\$4,806</b>	<b>(\$314)</b>	<b>7.0%</b>

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.



## 5 Development of the Sewer Rate Design

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**

<b>Residential</b>	
Single Family/ Townhome	-2.2%
Multifamily/ Condominium	25.1%
<b>Commercial &amp; Industrial</b>	-12.7%
<b>Special Users</b>	
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**

<b>Residential</b>	
Single Family/ Townhome	5.8%
Multifamily/ Condominium	10.1%
<b>Commercial &amp; Industrial</b>	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**

	<b>Distributed Cost</b> DC	<b>Dwelling Units</b> DU	<b>Annual</b> = DC/DU	<b>Bi-monthly</b> 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 rationale 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.

<b>Table 5-6 Regional Non-Residential Unit Cost Development</b>		
	<b>BOD</b>	<b>TSS</b>
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]  $\$0.0022568 \times$  median mg/L from table 5-6 BOD

[2]  $\$0.0045559 \times$  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.

<b>Table 5-9 DERWA Rate Calculation</b>			
	<b>Volume</b>	<b>BOD</b>	<b>TSS</b>
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.

<b>Table 5-10 Septic Hauler Rate Calculation</b>				
	<b>Volume</b>	<b>BOD</b>	<b>TSS</b>	<b>Total</b>
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
<b>Institutional</b>						
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
<b>Industrial</b>						
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
<b>Commercial/Institutional/Industrial</b>						
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				
<b>DERWA</b>						
\$/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	<b>\$24.36</b>	<b>\$17.83</b>	NA
Rate per CCF	NA	NA	<b>\$1.29</b>

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
<b>Residential</b>						
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							
<b>Revenues:</b>																			
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%								
<b>Expenses:</b>																			
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%								
<b>Customer Growth</b>	Calculated	0.77%	1.93%	1.80%	2.58%	3.20%	2.66%	1.33%	0.73%	0.67%	0.74%								
<b>Interest Earnings:</b>		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%								
<b>New Debt Service:</b>																			
Low Interest Loans																			
Term in Years		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%								
Revenue Bond																			
Term in Years		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%	3.50%	5.00%	5.00%								

Dublin San Ramon Service District  
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 Exhibit 1 - Escalation Factors

	Actual	Budget									
		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
<b>Revenues:</b>											
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%
<b>Expenses:</b>											
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%
<b>Customer Growth</b>	Calculated	0.77%	1.93%	1.80%	2.58%	3.20%	2.66%	1.33%	0.73%	0.67%	0.74%
<b>Interest Earnings:</b>		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
<b>New Debt Service:</b>											
Low Interest Loans											
Term in Years		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%
Revenue Bond											
Term in Years		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%	3.50%	5.00%	5.00%

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

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	
<b>Sources of Funds</b>												
<i>Rate Revenue - Dublin/San Ramon</i>												
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
<b>Total Rate Revenues - Dublin/San Ramon</b>	<b>\$12,213,880</b>	<b>\$12,213,880</b>	<b>\$12,340,542</b>	<b>\$12,461,163</b>	<b>\$12,636,875</b>	<b>\$12,859,775</b>	<b>\$13,051,075</b>	<b>\$13,149,643</b>	<b>\$13,204,756</b>	<b>\$13,255,937</b>	<b>\$13,312,675</b>	
<i>Rate Revenue - Pleasanton</i>												
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
<b>Total Rate Revenues - Pleasanton</b>	<b>\$10,606,485</b>	<b>\$10,606,485</b>	<b>\$10,606,485</b>	<b>\$10,693,741</b>	<b>\$10,780,996</b>	<b>\$10,868,252</b>	<b>\$10,967,899</b>	<b>\$11,067,547</b>	<b>\$11,167,194</b>	<b>\$11,267,739</b>	<b>\$11,369,188</b>	
<b>Miscellaneous Revenues</b>												
<i>Enterprise Operations</i>												
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/LAVVMA 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
<b>Total Miscellaneous Revenues</b>	<b>\$1,932,749</b>	<b>\$1,336,000</b>	<b>\$1,480,977</b>	<b>\$1,506,349</b>	<b>\$1,530,912</b>	<b>\$1,555,942</b>	<b>\$1,583,127</b>	<b>\$1,611,416</b>	<b>\$1,634,686</b>	<b>\$1,651,404</b>	<b>\$1,669,111</b>	
<b>Total Sources of Funds</b>	<b>\$24,753,114</b>	<b>\$24,156,365</b>	<b>\$24,428,004</b>	<b>\$24,661,252</b>	<b>\$24,948,783</b>	<b>\$25,283,968</b>	<b>\$25,602,101</b>	<b>\$25,828,606</b>	<b>\$26,006,636</b>	<b>\$26,175,080</b>	<b>\$26,350,974</b>	

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

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%	
<b>Application of Funds</b>												
<b>Sewer Operations</b>												
Personnel Services			555,110	3,402	35,258	(23,571)	(523,492)					
Salaries	\$5,959,857	\$6,073,867	6,256,083	975,186	1,894,979	391,153	(1,080,882)					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
<b>Total Personnel Services</b>	<b>\$8,639,169</b>	<b>\$8,914,313</b>	<b>\$9,334,052</b>	<b>\$9,600,067</b>	<b>\$9,880,108</b>	<b>\$10,151,665</b>	<b>\$10,379,445</b>	<b>\$10,824,853</b>	<b>\$11,304,447</b>	<b>\$11,811,688</b>	<b>\$12,348,619</b>	
<b>Material &amp; Supplies</b>												
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
<b>Total Material &amp; Supplies</b>	<b>\$3,142,025</b>	<b>\$3,689,865</b>	<b>\$3,835,853</b>	<b>\$3,987,985</b>	<b>\$4,146,534</b>	<b>\$4,311,785</b>	<b>\$4,484,037</b>	<b>\$4,663,601</b>	<b>\$4,850,803</b>	<b>\$5,045,987</b>	<b>\$5,249,509</b>	
<b>Contract Services</b>												
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
<b>Total Contract Services</b>	<b>\$1,691,391</b>	<b>\$1,619,874</b>	<b>\$1,668,471</b>	<b>\$1,718,525</b>	<b>\$1,770,080</b>	<b>\$1,823,183</b>	<b>\$1,877,878</b>	<b>\$1,934,215</b>	<b>\$1,992,241</b>	<b>\$2,052,008</b>	<b>\$2,113,569</b>	

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

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	
<b>Other Expenses</b>												
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	LAVWMA 2011 Debt
<b>Total Sewer Operations Expenses</b>	<b>\$19,628,462</b>	<b>\$21,525,191</b>	<b>\$22,372,359</b>	<b>\$23,081,452</b>	<b>\$23,822,731</b>	<b>\$24,574,373</b>	<b>\$25,301,797</b>	<b>\$26,266,265</b>	<b>\$27,286,056</b>	<b>\$28,355,457</b>	<b>\$28,261,873</b>	
			3.94%									
<b>Debt Service</b>												
Sewer Operations Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Debt Service</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Transfer to Reserves</b>												
Enterprise Fund (increase Buy-In revenue)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Expansion Fund	0	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
<b>Total Transfer to Reserves</b>	<b>\$3,084,608</b>	<b>\$3,216,694</b>	<b>\$3,558,929</b>	<b>\$3,902,867</b>	<b>\$4,248,582</b>	<b>\$4,596,150</b>	<b>\$5,045,651</b>	<b>\$5,497,167</b>	<b>\$5,950,787</b>	<b>\$6,006,600</b>	<b>\$6,064,701</b>	
<b>TOTAL REVENUE REQUIREMENTS</b>	<b>\$22,713,070</b>	<b>\$24,741,885</b>	<b>\$25,931,288</b>	<b>\$26,984,319</b>	<b>\$28,071,313</b>	<b>\$29,170,523</b>	<b>\$30,347,448</b>	<b>\$31,763,432</b>	<b>\$33,236,843</b>	<b>\$34,362,057</b>	<b>\$34,326,575</b>	
<b>Balance/(Deficiency) of Funds</b>	<b>\$2,040,044</b>	<b>(\$585,520)</b>	<b>(\$1,503,284)</b>	<b>(\$2,323,067)</b>	<b>(\$3,122,530)</b>	<b>(\$3,886,555)</b>	<b>(\$4,745,347)</b>	<b>(\$5,934,826)</b>	<b>(\$7,230,207)</b>	<b>(\$8,186,977)</b>	<b>(\$7,975,601)</b>	
<b>Cumulative Balance as a % of Rate Revenues</b>	<b>-8.9%</b>	<b>2.6%</b>	<b>6.6%</b>	<b>10.0%</b>	<b>13.3%</b>	<b>16.4%</b>	<b>19.8%</b>	<b>24.5%</b>	<b>29.7%</b>	<b>33.4%</b>	<b>32.3%</b>	
<b>Annual Balance as a % of Rate Revenues</b>	<b>-8.9%</b>	<b>12.6%</b>	<b>3.9%</b>	<b>3.3%</b>	<b>3.0%</b>	<b>2.7%</b>	<b>2.9%</b>	<b>4.0%</b>	<b>4.1%</b>	<b>2.9%</b>	<b>-0.8%</b>	
<b>Less: Use of Reserves</b>												
Enterprise Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Use of Reserves</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Net Balance/(Deficiency) of Funds</b>	<b>\$2,040,044</b>	<b>(\$585,520)</b>	<b>(\$1,503,284)</b>	<b>(\$2,323,067)</b>	<b>(\$3,122,530)</b>	<b>(\$3,886,555)</b>	<b>(\$4,745,347)</b>	<b>(\$5,934,826)</b>	<b>(\$7,230,207)</b>	<b>(\$8,186,977)</b>	<b>(\$7,975,601)</b>	
<b>Cumulative Net Balance as a % of Rate Revenues</b>	<b>-8.9%</b>	<b>2.6%</b>	<b>6.6%</b>	<b>10.0%</b>	<b>13.3%</b>	<b>16.4%</b>	<b>19.8%</b>	<b>24.5%</b>	<b>29.7%</b>	<b>33.4%</b>	<b>32.3%</b>	
<b>Annual Net Balance as a % of Rate Revenues</b>	<b>-8.9%</b>	<b>12.6%</b>	<b>3.9%</b>	<b>3.3%</b>	<b>3.0%</b>	<b>2.7%</b>	<b>2.9%</b>	<b>4.0%</b>	<b>4.1%</b>	<b>2.9%</b>	<b>-0.8%</b>	
<b>Proposed Rate Adjustment</b>	<b>0.0%</b>	<b>0.0%</b>	<b>6.6%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	
<b>Additional Revenue from Adjustment</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,514,504</b>	<b>\$2,268,717</b>	<b>\$3,065,854</b>	<b>\$3,911,494</b>	<b>\$4,798,808</b>	<b>\$5,710,078</b>	<b>\$6,650,124</b>	<b>\$7,627,980</b>	<b>\$8,647,955</b>	
<b>Total Balance/(Deficiency) of Funds</b>	<b>\$2,040,044</b>	<b>(\$585,520)</b>	<b>\$11,220</b>	<b>(\$54,349)</b>	<b>(\$56,676)</b>	<b>\$24,939</b>	<b>\$53,462</b>	<b>(\$224,747)</b>	<b>(\$580,083)</b>	<b>(\$558,997)</b>	<b>\$672,354</b>	
<b>Additional Rate Increase Needed</b>	<b>-8.9%</b>	<b>2.6%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>-0.1%</b>	<b>-0.2%</b>	<b>0.8%</b>	<b>1.9%</b>	<b>1.7%</b>	<b>-2.0%</b>	



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

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	
<b>Average Residential Bi-Monthly Impact</b>		\$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	
<b>Debt Service Coverage Ratio</b>												
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	
<b>Sewer Enterprise Fund - 300</b>												
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	
Target (4 months)	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)	
	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	
<b>Sewer Rate Stabilization Fund - 305</b>												
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

	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	
<b>Beginning Balance</b>	\$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	
<b>Replacement Revenues</b>												
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
<b>Total Replacement Revenues</b>	\$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	
<b>Total Replacement Funds Available</b>	\$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	
<b>Replacement Expenses</b>												
<b>Sewer Replacement O&amp;M</b>												
<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
<b>Total Other Expenses</b>	\$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
<b>Total Sewer Replacement O&amp;M</b>	\$953,694	\$403,600	\$287,988	\$296,628	\$305,526	\$314,692	\$324,133	\$333,857	\$343,873	\$354,189	\$364,815	
<b>Total Replacement Capital Projects</b>	\$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
<b>Debt Service</b>												
1997 Ref Rev Bond (P&I) - Repl.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Debt Schedule
LAVWMA 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
<b>Total Debt Service</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Total Replacement Expenses</b>	\$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	
<b>Ending Balance Sewer Replacement Fund</b>	\$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	

Dublin San Ramon Service District  
Regional Sewer Utility  
Revenue Requirement  
Expansion Fund

	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	
<b>Beginning Balance</b>	\$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	
<b>Expansion Revenues</b>												
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
<b>Total Expansion Revenues</b>	\$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	
<b>Total Expansion Funds Available</b>	\$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	
<b>Expansion Expenses</b>												
<b>Sewer Expansion O&amp;M</b>												
<i>Other Expenses</i>												
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	
<i>Non-Capitalized Projects</i>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CIP
<b>Total Sewer Expansion O&amp;M</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Total Expansion Capital Projects</b>	\$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
<b>Debt Service</b>												
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
<b>Total Debt Service</b>	\$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	
<b>Total Expansion Expenses</b>	\$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	
<b>Ending Balance Sewer Expansion Fund</b>	\$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

	% Split	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Future	Total
<b>Replacement (Fund 310)</b>													
<b>General</b>													
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
District 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
<b>Regional Wastewater Treatment</b>													
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
<b>Total Replacement Fund CIP</b>		<b>\$9,902,013</b>	<b>\$6,557,063</b>	<b>\$3,789,050</b>	<b>\$10,017,374</b>	<b>\$4,623,800</b>	<b>\$3,573,800</b>	<b>\$6,789,400</b>	<b>\$7,673,800</b>	<b>\$13,073,800</b>	<b>\$14,473,800</b>	<b>\$20,369,000</b>	<b>\$100,842,900</b>

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

	% Split	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Future	Total
<b>Expansion (Fund 320)</b>													
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
<b>Total Expansion Fund CIP</b>		<b>\$4,934,286</b>	<b>\$1,165,640</b>	<b>\$661,250</b>	<b>\$0</b>	<b>\$2,358,000</b>	<b>\$2,525,000</b>	<b>\$12,120,000</b>	<b>\$0</b>	<b>\$6,094,000</b>	<b>\$3,000,000</b>	<b>\$20,460,000</b>	<b>\$53,318,176</b>

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

	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	
<b>RESIDENTIAL</b>														
<i>Single Family</i>														
	<u><i>\$/Bi-Month/Unit</i></u>													
Rate/Acct	\$59.53	17,725	0	17,725	0	17,725	0	17,725	0	17,725	0	17,725	0	17,725
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	\$6,331,016	
<i>Townhouse</i>														
	<u><i>\$/Bi-Month/Unit</i></u>													
Rate/Acct	\$59.53	259	0	259	0	259	0	259	0	259	0	259	0	259
Revenue	\$15,418	\$0	\$15,418	\$0	\$15,418	\$0	\$15,418	\$0	\$15,418	\$0	\$15,418	\$0	\$92,510	
<i>Condominium</i>														
	<u><i>\$/Bi-Month/Unit</i></u>													
Rate/Acct	\$39.61	6,300	0	6,300	0	6,300	0	6,300	0	6,300	0	6,300	0	6,300
Revenue	\$249,543	\$0	\$249,543	\$0	\$249,543	\$0	\$249,543	\$0	\$249,543	\$0	\$249,543	\$0	\$1,497,258	
<i>Duplex</i>														
	<u><i>\$/Bi-Month/Unit</i></u>													
Rate/Acct	\$119.06	41	0	41	0	41	0	41	0	41	0	41	0	41
Revenue	\$4,881	\$0	\$4,881	\$0	\$4,881	\$0	\$4,881	\$0	\$4,881	\$0	\$4,881	\$0	\$29,289	
<i>Single Family Home with 2nd Dwelling Unit</i>														
	<u><i>\$/Bi-Month/Unit</i></u>													
Rate/Acct	\$92.67	178	0	178	0	178	0	178	0	178	0	178	0	178
Revenue	\$16,495	\$0	\$16,495	\$0	\$16,495	\$0	\$16,495	\$0	\$16,495	\$0	\$16,495	\$0	\$98,972	
<i>Multi-Family</i>														
	<u><i>\$/Bi-Month/Unit</i></u>													
Rate/Acct	\$33.14	6,490	0	6,490	0	6,490	0	6,490	0	6,490	0	6,490	0	6,490
Revenue	\$215,079	\$0	\$215,079	\$0	\$215,079	\$0	\$215,079	\$0	\$215,079	\$0	\$215,079	\$0	\$1,290,472	
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	\$9,339,515	

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

		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
<b>COMMERCIAL</b>														
<i>Low</i>														
	<u>\$/100 CF</u>													
Rate/Consumption	\$2.70	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	\$5.43	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	\$7.58	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
<b>INSTITUTIONAL</b>														
<i>School (submetered)</i>														
	<u>\$/100 CF</u>													
Rate/Consumption	\$2.70	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	\$2.07	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	\$2.70	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

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

		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
<b>BUREAU OF PRISONS (FCI)</b>														
	<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>													
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
<b>SANTA RITA JAIL</b>														
	<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>													
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



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

		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
<b>Internal Filter Backwash (DERWA)</b>														
	<u>\$/Convec.</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>\$/MG</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

<b>SUMMARY -</b>			
	# Of Accounts	Consumption CCF (FY2021)	Revs At Present Rates
<b>RESIDENTIAL</b>			
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
<b>COMMERCIAL</b>			
Low	464	204,633	\$552,509
Medium	91	83,925	455,713
High	12	30,821	233,623
<b>INSTITUTIONAL</b>			
School (submetered)	37	23,333	62,999
School (non-submetered)	0	0	0
Institutional All Others	1	11,260	30,402
<b>INDUSTRIAL/DEMAND</b>			
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
<b>Total</b>	<b>31,779</b>	<b>3,914,066</b>	<b>\$12,213,880</b>

Dublin San Ramon Service District  
 Regional Sewer Utility  
 Revenue Requirement  
 Exhibit 7 - Revenue at Present Rates - PLSNTN

	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
<b>RESIDENTIAL</b>													
<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	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
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
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
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

Dublin San Ramon Service District  
 Regional Sewer Utility  
 Revenue Requirement  
 Exhibit 7 - Revenue at Present Rates - PLSNTN

		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
<b>COMMERCIAL</b>														
<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
<b>INSTITUTIONAL</b>														
<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

Dublin San Ramon Service District  
 Regional Sewer Utility  
 Revenue Requirement  
 Exhibit 7 - Revenue at Present Rates - PLSNTN

		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
<b>A1 Enterprises (Septic)</b>														
	<u>\$/Convec.</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>													
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
<b>Clorox</b>														
	<u>\$/Convec.</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>													
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
<b>Thermo Fisher Scientific</b>														
	<u>\$/Convec.</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>													
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

Dublin San Ramon Service District  
 Regional Sewer Utility  
 Revenue Requirement  
 Exhibit 7 - Revenue at Present Rates - PLSNTN

		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
<b>Roche Molecular Systems</b>														
	<u><i>\$/Convec.</i></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><i>\$/MGD</i></u>													
<b>Peak Month Loadings</b>														
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
<b>San Francisco PUC</b>														
	<u><i>\$/Convec.</i></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><i>\$/MGD</i></u>													
<b>Peak Month Loadings</b>														
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
<b>CASTLEWOOD</b>														
	<u><i>\$/Convec.</i></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><i>\$/CCF</i></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

Dublin San Ramon Service District  
 Regional Sewer Utility  
 Revenue Requirement  
 Exhibit 7 - Revenue at Present Rates - PLSNTN

		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
<b>FAIRGROUNDS</b>														
	<u>\$/Convec.</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>\$/100 CF</u>													
Demand	\$2.70	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
<b>TOTAL FAIRGROUNDS REVENUES</b>		\$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

<b>SUMMARY</b>			
	# Of Customers	Consumpt. CCF (FY2021)	Revs At Prsnt Rates
<b>RESIDENTIAL</b>			
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
<b>COMMERCIAL</b>			
Low	754	368,168	\$994,054
Medium	157	126,542	687,123
High	6	19,353	146,696
<b>INSTITUTIONAL</b>			
Schools (Submetered)	12	8,401	\$22,683
Schools (Not Submetered)	4	175	362
Other Institutional	1	0	0
<b>INDUSTRIAL/DEMAND</b>			
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
<b>Total</b>	<b>27,714</b>	<b>4,249,468</b>	<b>\$10,474,233</b>

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

	Volume Allocation						
	FYE21 Annual Water Flow (CCF)	Winter Water Factor	Annual Sewer Flow (CCF)	1.8% Inflow and Infiltration	Total Annual Flow at Plant (CCF)	Avg. Daily Flow At Plant (MGD)	Combined % of Total
<b>Residential</b>							
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%
<b>Commercial</b>							
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%
<b>Institutional</b>							
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%
<b>Industrial</b>							
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%
<b>Total</b>	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
<b>Residential</b>						
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%
<b>Commercial</b>						
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%
<b>Institutional</b>						
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%
<b>Industrial</b>						
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%
<b>Total</b>	<b>59,888</b>	<b>100.00%</b>	<b>59,888</b>		<b>61,437</b>	<b>100.00%</b>

(AC - 1)

(WCA - 1)



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

	Annual Flow (CCF)	Biochemical Oxygen Demand			Total Suspended Solids		
		Avg. Factor [1] (mg/l)	Calculated Pounds	Combined % of Total	Avg. Factor [1] (mg/l)	Calculated Pounds	Combined % of Total
<b>Residential</b>							
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%
<b>Commercial</b>							
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%
<b>Institutional</b>							
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%
<b>Industrial</b>							
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%
<b>Total</b>	<b>5,092,447</b>		<b>8,010,175</b>	<b>100.00%</b>		<b>9,470,985</b>	<b>100.00%</b>

(BOD - 1)

(TSS - 1)

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

5,559

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

	Projected Revenue FY 2024	Combined % of Total
<b>Residential</b>		
Single Family	\$13,495,635	58.81%
Condominium	\$1,873,711	8.17%
Multi-Family	\$2,479,137	10.80%
<b>Commercial</b>		
Low	\$1,678,814	7.32%
Medium	\$1,142,836	4.98%
High	\$380,319	1.66%
<b>Institutional</b>		
School (submetered)	\$85,682	0.37%
School (non-submetered)	\$362	0.00%
Institutional All Others	\$30,402	0.13%
<b>Industrial</b>		
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%
<b>Total</b>	<b>\$22,947,027</b>	<b>100.00%</b>

(RR - 1)

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

<i>Account Name</i>	<b>FY 2023</b>	<b>Strength Related</b>			<b>Weighted for:</b>	
		<b>Operating Volume (VOL-1)</b>	<b>Bio-oxygen Demand (BOD-1)</b>	<b>Suspended Solids (TSS-1)</b>	<b>Actual Customer (AC-1)</b>	<b>Customer Acct/Svcs (WCA-1)</b>
<b>Plant In Service</b>						
<i>Headworks</i>						
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
<i>Primary Treatment</i>						
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
<i>Secondary Treatment</i>						
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
<i>Final Effluent</i>						
Diversion	18,600	18,600	0	0	0	0
Pumping	715,200	715,200	0	0	0	0
<i>Wet Weather</i>						
Holding Basins	8,592,700	8,592,700	0	0	0	0
<i>Solids Processing</i>						

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

<i>Account Name</i>	<b>FY 2023</b>	<b>Operating Volume (VOL-1)</b>	<b>Strength Related</b>		<b>Weighted for:</b>	
			<b>Bio-oxygen Demand (BOD-1)</b>	<b>Suspended Solids (TSS-1)</b>	<b>Actual Customer (AC-1)</b>	<b>Customer Acct/Svcs (WCA-1)</b>
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

Page 1 of 2

<u>Revenue (RR-1)</u>	<u>Direct (DA) Basis of Classification</u>
\$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)

<b>Revenue (RR-1)</b>	<b>Direct (DA)</b>	<b>Basis of Classification</b>
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**

<i>Account Name</i>	<b>FY 2023</b>	<b>Strength Related</b>			<b>Weighted for:</b>	
		<b>Operating Volume (VOL-1)</b>	<b>Bio-oxygen Demand (BOD-1)</b>	<b>Suspended Solids (TSS-1)</b>	<b>Actual Customer (AC-1)</b>	<b>Customer Acct/Svcs (WCA-1)</b>
<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 &amp; 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
<b>Plant in Service</b>	<b>53,638,700</b>	<b>32,516,783</b>	<b>6,236,338</b>	<b>14,885,578</b>	<b>0</b>	<b>0</b>

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
<hr/> 0	<hr/> 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
<hr/> 0	<hr/> 0		
<hr/> 0	<hr/> 0		



Regional Sewer Utility  
 Functionalization and Classification  
 Exhibit 13 - Revenue Requirement

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)			
<b>Application of Funds</b>									
<b>Sewer Operations</b>									
<i>Personnel Services</i>									
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
<b>Total Personnel Services</b>	<b>\$9,334,052</b>	<b>\$5,658,477</b>	<b>\$1,085,230</b>	<b>\$2,590,345</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
		60.6%	11.6%	27.8%					
<i>Material &amp; Supplies</i>									
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
<b>Total Materials &amp; Supplies</b>	<b>\$3,835,853</b>	<b>\$2,325,366</b>	<b>\$445,978</b>	<b>\$1,064,509</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
		60.6%	11.6%	27.8%					
<i>Contract Services</i>									
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
<b>Total Contract Services</b>	<b>\$1,668,471</b>	<b>\$1,011,458</b>	<b>\$193,986</b>	<b>\$463,027</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

Regional Sewer Utility  
 Functionalization and Classification  
 Exhibit 13 - Revenue Requirement

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	
<b>Total Sewer Operations Expenses</b>	<b>\$22,372,359</b>	<b>\$13,562,543</b>	<b>\$2,601,137</b>	<b>\$6,208,680</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
		60.6%	11.6%	27.8%	0.0%	0.0%	0.0%	0.0%	
<b>Debt Service</b>									
Sewer Operations Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Plant in Service
<b>Total Debt Service</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Transfer to Reserves</b>									
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
<b>Total Transfer to Reserves</b>	<b>\$3,558,929</b>	<b>\$2,157,489</b>	<b>\$413,781</b>	<b>\$987,658</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Total Revenue Requirements</b>	<b>\$25,931,288</b>	<b>\$15,720,032</b>	<b>\$3,014,918</b>	<b>\$7,196,338</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
		60.6%	11.6%	27.8%	0.0%	0.0%	0.0%	0.0%	
<b>Less: Miscellaneous Revenue</b>									
<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
<b>Total Miscellaneous Revenues</b>	<b>\$1,480,977</b>	<b>\$897,796</b>	<b>\$172,187</b>	<b>\$410,994</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Less: Use of Reserves</b>									
Enterprise Fund	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Revenue Requirement
<b>Total Use of Reserves</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Net Revenue Requirements</b>	<b>\$24,450,311</b>	<b>\$14,822,236</b>	<b>\$2,842,731</b>	<b>\$6,785,344</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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		
<b>Residential</b>									
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
<b>Commercial &amp; Industrial</b>	\$4,388,603	\$2,293,786	\$0	\$675,571	\$1,419,246	\$0	\$0	\$0	\$0
<b>Special Users</b>									
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
<b>Combined Total</b>	<b>\$24,450,311</b>	<b>\$14,822,236</b>	<b>\$0</b>	<b>\$2,842,731</b>	<b>\$6,785,344</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

<b>Customer Classification</b>	<b>Revenues at Present Rates</b>	<b>Allocated Revenue Requirement</b>	<b>Balance/ (Deficiency) of Funds</b>	<b>Required % Change in Rates</b>
<b>Residential</b>				
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%
<b>Commercial &amp; Industrial</b>	\$5,025,592	\$4,388,603	636,989	-12.7%
<b>Special Users</b>				
DERWA Internal Backwash	\$49,564	\$1,407,048	(\$1,357,484)	2738.8%
A1 Enterprise (Septic)	23,388	12,155	11,233	-48.0%
<b>Total System</b>	<b>\$22,947,027</b>	<b>\$24,450,311</b>	<b>(\$1,503,284)</b>	<b>6.6%</b>

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

	Revenue Requirements				Total	Customer	Total	Current	Basic Data	
	Volume	Bio-Oxygen	Suspended	Revenue/					Costs	Average Cost
	Costs	Demand	Solids	Direct	Costs	verage		Flow (CCF)	Customers	
	\$/100 CF	\$/100 CF	\$/100 CF	\$/100 CF	\$/100 CF	\$/Cust./Month	\$/CCF	\$/CCF		
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 Uners										
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
<b>System Average</b>	\$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

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**Residential**


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

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**Special Users**


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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

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**Non-Residential**

	Vol	BOD	TSS		
<b>Distributed Cost</b>					
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	
<b>Units</b>					
	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		
<b>Unit Cost</b>					
Cost/lbs (\$/lbs)		\$0.3548900	\$0.7164348		
Cost/mg (\$/(lbs x 453,592))		\$0.0000008	\$0.0000016		
Volume Cost per Unit	\$2.16				
<b>Commercial, Institutional, Industrial</b>					
<b>Cost per CCF</b>	<b>Median Strength</b>	<b>Volume</b>	<b>BOD</b>	<b>TSS</b>	<b>Calculated</b>
Less than or equal to 300 mg/L	225	\$2.16	0.51	1.03	\$3.70
Between 300 and 450 mg/L	375	\$2.16	0.85	1.71	4.72
Between 450 and 600 mg/L	525	\$2.16	1.18	2.39	5.74
Between 600 and 750 mg/L	675	\$2.16	1.52	3.08	6.76
Between 750 and 900 mg/L	825	\$2.16	1.86	3.76	7.78
Between 900 and 1,050 mg/L	975	\$2.16	2.20	4.44	8.81
<b>Adjustment for Return Water</b>					
	<b>Return Factor</b>	<b>Adjusted BOD</b>	<b>Adjusted TSS</b>		
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		
<b>Final Rates</b>					
	<b>Volume \$/CCF</b>	<b>BOD \$/CCF</b>	<b>TSS \$/CCF</b>	<b>Total \$/CCF</b>	
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	Budget	Projected								
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032
<b>Revenues:</b>											
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%
<b>Expenses:</b>											
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%
<b>Growth:</b>	1.5%	0.8%	1.9%	1.8%	2.6%	3.2%	2.7%	1.3%	0.7%	0.7%	0.7%
<b>Interest:</b>	1.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
<b>New Debt Service:</b>											
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	Budget	Projected								
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032
<b>Revenues:</b>											
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%
<b>Expenses:</b>											
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%
<b>Growth:</b>	1.5%	0.8%	1.9%	1.8%	2.6%	3.2%	2.7%	1.3%	0.7%	0.7%	0.7%
<b>Interest:</b>	1.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
<b>New Debt Service:</b>											
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

	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
<b>Sources of Funds</b>												
<i>Rate Revenue</i>												
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.
<b>Miscellaneous Revenues</b>												
<i>Enterprise Operations</i>												
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	
<b>Total Sources of Funds</b>	<b>\$4,926,962</b>	<b>\$4,743,936</b>	<b>\$4,960,613</b>	<b>\$5,054,493</b>	<b>\$4,968,387</b>	<b>\$5,170,461</b>	<b>\$5,302,490</b>	<b>\$5,330,160</b>	<b>\$5,366,508</b>	<b>\$5,400,488</b>	<b>\$5,438,384</b>	

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

	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	
<b>Application of Funds</b>												
<b>Collection Operations</b>												
<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 &amp; 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

	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	
<b>Total Sewer Operations Expenses</b>	<b>\$3,504,344</b>	<b>\$3,572,873</b>	<b>\$4,672,824</b>	<b>\$4,813,355</b>	<b>\$4,960,503</b>	<b>\$5,107,240</b>	<b>\$5,242,492</b>	<b>\$5,449,311</b>	<b>\$5,669,649</b>	<b>\$5,901,581</b>	<b>\$6,145,918</b>	
<b>Debt Service</b>												
Sewer Operations Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Total Debt Service</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Transfer to Reserves</b>												
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										
<b>Total Transfer to Reserves</b>	<b>\$1,061,497</b>	<b>\$910,936</b>	<b>\$916,483</b>	<b>\$922,307</b>	<b>\$928,422</b>	<b>\$934,843</b>	<b>\$1,341,585</b>	<b>\$1,348,665</b>	<b>\$1,356,098</b>	<b>\$1,363,903</b>	<b>\$972,098</b>	
<b>Total Revenue Requirements</b>	<b>\$4,565,841</b>	<b>\$4,483,809</b>	<b>\$5,589,307</b>	<b>\$5,735,662</b>	<b>\$5,888,925</b>	<b>\$6,042,083</b>	<b>\$6,584,077</b>	<b>\$6,797,976</b>	<b>\$7,025,747</b>	<b>\$7,265,483</b>	<b>\$7,118,016</b>	
<b>Balance/(Deficiency) of Funds</b>	\$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)	
<b>Balance as a % of Rate Revenues</b>	-8.4%	-5.9%	14.0%	14.9%	19.6%	18.0%	25.8%	29.1%	32.7%	36.5%	32.7%	
<b>Annual Balance as a % of Rate Revenues</b>	-8.4%	2.7%	21.1%	0.8%	4.1%	-1.4%	6.6%	2.7%	2.8%	2.9%	-2.8%	
<b>Less: Use of Reserves</b>												
Enterprise Fund	\$0	\$0	\$315,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Total Use of Reserves</b>	<b>\$0</b>	<b>\$0</b>	<b>\$315,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Net Balance/(Deficiency) of Funds</b>	\$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)	
<b>Cumulative Net Balance as a % of Rate Revenues</b>	-8.4%	-5.9%	7.0%	14.9%	19.6%	18.0%	25.8%	29.1%	32.7%	36.5%	32.7%	
<b>Annual Net Balance as a % of Rate Revenues</b>	-8.4%	2.7%	13.7%	7.4%	4.1%	-1.4%	6.6%	2.7%	2.8%	2.9%	-2.8%	
<b>Proposed Rate Adjustment</b>	<b>0.0%</b>	<b>0.0%</b>	<b>7.0%</b>	<b>7.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	<b>3.0%</b>	

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

	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	
<b>Additional Revenue from Adjustment</b>	\$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	
<b>Total Balance/(Deficiency) of Funds</b>	\$361,121	\$260,127	\$784	(\$18,477)	(\$79,582)	\$167,519	(\$33,715)	(\$14,367)	\$860	\$9,521	\$419,667	
<b>Additional Rate Increase Needed</b>	-8.4%	-5.9%	0.0%	0.4%	1.4%	-2.8%	0.5%	0.2%	0.0%	-0.1%	-5.8%	
<b>Average Residential Bi-Monthly Impact</b>	\$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	
<b>Debt Service Coverage Ratio</b>												
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	
<b>Sewer Enterprise Fund - 200</b>												
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
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
<b>Rate Stabilization Fund - 205</b>												
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

	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	
<b>Beginning Balance</b>	<b>\$4,117,198</b>	<b>\$2,132,319</b>	<b>\$2,132,751</b>	<b>\$1,922,032</b>	<b>\$1,125,658</b>	<b>\$2,175,582</b>	<b>\$762,751</b>	<b>\$2,508,016</b>	<b>\$3,581,489</b>	<b>\$5,875,811</b>	<b>\$8,222,058</b>	
<b>Revenues</b>												
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	
<b>Total Revenues</b>	<b>\$1,116,840</b>	<b>\$2,243,832</b>	<b>\$1,835,881</b>	<b>\$1,362,226</b>	<b>\$2,147,023</b>	<b>\$2,159,545</b>	<b>\$2,603,865</b>	<b>\$2,642,073</b>	<b>\$2,692,921</b>	<b>\$2,744,847</b>	<b>\$2,365,227</b>	
<b>Total Replacement Funds Available</b>	<b>\$5,234,038</b>	<b>\$4,376,151</b>	<b>\$3,968,632</b>	<b>\$3,284,258</b>	<b>\$3,272,682</b>	<b>\$4,335,126</b>	<b>\$3,366,616</b>	<b>\$5,150,089</b>	<b>\$6,274,411</b>	<b>\$8,620,658</b>	<b>\$10,587,285</b>	
<b>Expenses</b>												
<b>Sewer Replacement O&amp;M</b>												
<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>	<b>\$550,900</b>	<b>\$43,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Total Sewer Replacement O&amp;M</b>	<b>\$1,446,733</b>	<b>\$918,000</b>	<b>\$875,000</b>	<b>\$875,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Replacement Capital Projects</b>												
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	
<b>Total Replacement Capital Projects</b>	<b>1,654,986</b>	<b>1,325,400</b>	<b>1,171,600</b>	<b>1,283,600</b>	<b>1,097,100</b>	<b>3,572,375</b>	<b>858,600</b>	<b>1,568,600</b>	<b>398,600</b>	<b>398,600</b>	<b>3,263,000</b>	
<b>Debt Service</b>												
Other Replacement Debt Payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Total Debt Service</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Total Replacement Expenses</b>	<b>\$3,101,719</b>	<b>\$2,243,400</b>	<b>\$2,046,600</b>	<b>\$2,158,600</b>	<b>\$1,097,100</b>	<b>\$3,572,375</b>	<b>\$858,600</b>	<b>\$1,568,600</b>	<b>\$398,600</b>	<b>\$398,600</b>	<b>\$3,263,000</b>	
<b>Ending Balance</b>	<b>\$2,132,319</b>	<b>\$2,132,751</b>	<b>\$1,922,032</b>	<b>\$1,125,658</b>	<b>\$2,175,582</b>	<b>\$762,751</b>	<b>\$2,508,016</b>	<b>\$3,581,489</b>	<b>\$5,875,811</b>	<b>\$8,222,058</b>	<b>\$7,324,285</b>	

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

	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	
<b>Beginning Balance</b>	<b>\$7,585,333</b>	<b>\$8,589,830</b>	<b>\$9,494,119</b>	<b>\$9,665,837</b>	<b>\$9,173,473</b>	<b>\$8,801,043</b>	<b>\$8,930,706</b>	<b>\$9,062,499</b>	<b>\$8,918,709</b>	<b>\$6,469,529</b>	<b>\$6,579,310</b>	
<b>Revenues</b>												
Transfers from Replacement Fund	895,833	875,000	875,000	875,000	0	0	0	0	0	0	0	0
Transfers from Enterprise	0	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	
<b>Total Revenues</b>	<b>\$1,004,497</b>	<b>\$1,004,289</b>	<b>\$1,001,718</b>	<b>\$982,636</b>	<b>\$127,570</b>	<b>\$129,663</b>	<b>\$131,793</b>	<b>\$131,210</b>	<b>\$107,819</b>	<b>\$109,782</b>	<b>\$111,780</b>	
<b>Total Replacement Funds Available</b>	<b>\$8,589,830</b>	<b>\$9,594,119</b>	<b>\$10,495,837</b>	<b>\$10,648,473</b>	<b>\$9,301,043</b>	<b>\$8,930,706</b>	<b>\$9,062,499</b>	<b>\$9,193,709</b>	<b>\$9,026,529</b>	<b>\$6,579,310</b>	<b>\$6,691,090</b>	
<b>Expenses</b>												
<b>Water Replacement O&amp;M</b>												
<i>Other Expenses</i>												
Interfund Loan Repay Fund 220	\$0	\$0	\$0	\$0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	\$0
Overhead Charges	0	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	\$0
<i>Non-Capitalized Projects</i>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Water Replacement O&amp;M</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Replacement Capital Projects</b>												
Capital Projects - Proposed Fund Limits	0	100,000	830,000	1,475,000	500,000	0	0	275,000	2,557,000	0	0	0
<b>Total Replacement Capital Projects</b>	<b>0</b>	<b>100,000</b>	<b>830,000</b>	<b>1,475,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>275,000</b>	<b>2,557,000</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Debt Service</b>												
Other Replacement Debt Payments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Debt Service</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Replacement Expenses</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$830,000</b>	<b>\$1,475,000</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$275,000</b>	<b>\$2,557,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Ending Balance</b>	<b>\$8,589,830</b>	<b>\$9,494,119</b>	<b>\$9,665,837</b>	<b>\$9,173,473</b>	<b>\$8,801,043</b>	<b>\$8,930,706</b>	<b>\$9,062,499</b>	<b>\$8,918,709</b>	<b>\$6,469,529</b>	<b>\$6,579,310</b>	<b>\$6,691,090</b>	

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

	% Split	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Future	Total
<b>Replacement (Fund 210)</b>													
<b>Collection</b>													
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
<b>Wastewater Collection</b>													
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 Rehabilitation	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
<b>Water System</b>													
Field Operations and District Facilities Energy Plan	5%			32,500									32,500
Fiscal Year 2022 Manhole Valve Adjustment - City of Dublin	15%	33,900											33,900
District Facilities Security Project - Phase 2	10%			15,000									15,000
<b>Total Replacement Fund CIP</b>		<b>\$1,654,986</b>	<b>\$1,325,400</b>	<b>\$1,171,600</b>	<b>\$1,283,600</b>	<b>\$1,097,100</b>	<b>\$3,572,375</b>	<b>\$858,600</b>	<b>\$1,568,600</b>	<b>\$398,600</b>	<b>\$398,600</b>	<b>\$3,263,000</b>	<b>\$16,592,461</b>



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

	% Split	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Future	Total
<b>Expansion (Fund 220)</b>													
<b>General</b>													
Gleason Drive Property Planning Study	5%											\$10,000	\$10,000
<b>Wastewater Collection</b>													
Dublin Boulevard - Clark Avenue to Sierra	100%				\$175,000	\$500,000							\$675,000
Village Parkway - South Dublin	100%								275,000	2,557,000			2,832,000
Dublin Boulevard Extension Sewer Facilities	100%		50,000	655,000	655,000								1,360,000
Dublin Boulevard - Amador Plaza Road at Village Parkway	100%		50,000	175,000	645,000								870,000
Dublin Trunk Relief Sewer	100%											6,945,000	6,945,000
<b>Total Expansion Fund CIP</b>		\$0	\$100,000	\$830,000	\$1,475,000	\$500,000	\$0	\$0	\$275,000	\$2,557,000	\$0	\$6,955,000	\$12,692,000

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

	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
<b>Single Family</b>													
	<u>\$/Bi-Month</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
<b>Townhouse</b>													
	<u>\$/Bi-Month/Unit</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
<b>Condominium</b>													
	<u>\$/Bi-Month/Unit</u>												
Base Charge	17.32												
Number of Customers	6,300	0	6,395	0	6,395	0	6,395	0	6,395	0	6,395	0	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
<b>Duplex</b>													
	<u>\$/Bi-Month/Unit</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
<b>Single Family Home with 2nd Dwelling</b>													
	<u>\$/Bi-Month/Unit</u>												
Base Charge	38.17												
Number of Customers	178	0	181	0	181	0	181	0	181	0	181	0	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
<b>MultiFamily</b>													
	<u>\$/Bi-Month/Unit</u>												
Base Charge	15.08												
Number of Customers	4,264	0	6,587	0	6,587	0	6,587	0	6,587	0	6,587	0	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

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

		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
<b>Commercial</b>														
<i>Low</i>														
	<u>\$/100 CF</u>													
Consumption	\$1.23	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	\$1.23	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	\$1.23	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
<b>INSTITUTIONAL</b>														
<i>Schools</i>														
	<u>\$/100 CF</u>													
Consumption	\$1.23	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	\$1.23	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

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

		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
<b>BUREAU OF PRISONS</b>														
	<u>\$/Convec.</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>													
Demand	\$1.23	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
<b>TOTAL PRISONS REVENUES</b>		\$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

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

		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
<b>SANTA RITA JAIL</b>														
	<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>\$/CCF</u>													
Demand	\$1.23	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%
<b>Total</b>	<b>3,356,152</b>	<b>60,411</b>	<b>3,416,562</b>	<b>9.36</b>	<b>100.0%</b>

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%
<b>Total</b>	<b>32,905</b>	<b>100.0%</b>	<b>29,679</b>		<b>51,146</b>	<b>100.0%</b>

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%
<b>Total</b>	<b>3,416,562</b>		<b>7,227,964</b>	<b>100.0%</b>		<b>7,142,067</b>	<b>100.0%</b>

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

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)			
<b>Application of Funds</b>									
<b>Collection Operations</b>									
<i>Personnel Services</i>									
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)
<b>Personnel Services</b>	<b>\$3,320,420</b>	<b>\$2,873,679</b>	<b>\$0</b>	<b>\$0</b>	<b>\$446,741</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<i>Material &amp; Supplies</i>									
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)
<b>Material &amp; Supplies</b>	<b>\$90,811</b>	<b>\$90,811</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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

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	\$0	100.0% (VOL)
Professional Services	86,345	86,345	0	0	0	0	0	0	100.0% (VOL)
Advertising	7,725	7,725	0	0	0	0	0	0	100.0% (VOL)
Equipment Lease/Rental	3,605	3,605	0	0	0	0	0	0	100.0% (VOL)
Maintenance Contracts	42,284	42,284	0	0	0	0	0	0	100.0% (VOL)
Other Services	226,503	226,503	0	0	0	0	0	0	100.0% (VOL)
Printing Services	22,094	22,094	0	0	0	0	0	0	100.0% (VOL)
<b>Contract Services</b>	<b>\$390,306</b>	<b>\$390,306</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<i>Other Expenses</i>									
Meetings	\$536	536	0	0	0	0	0	0	100.0% (VOL)
Permits, Licenses & District Mbrshps	27,398	27,398	0	0	0	0	0	0	100.0% (VOL)
Credit Card Transaction Fees	0	0	0	0	0	0	0	0	100.0% (AC)
Overhead Charges	843,353	843,353	0	0	0	0	0	0	100.0% (VOL)
<b>Other Expenses</b>	<b>\$871,286</b>	<b>\$871,286</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Total Sewer Operations Expenses</b>	<b>\$4,672,824</b>	<b>\$4,226,083</b>	<b>\$0</b>	<b>\$0</b>	<b>\$446,741</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Debt Service</b>									
Sewer Operations Debt	\$0	0	0	0	0	0	0	0	100.0% (VOL)
<b>Total Debt Service</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Transfer to Reserves</b>									
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Total O&M
OPEB Fund 965	\$116,483	\$105,346	\$0	\$0	\$11,136	\$0	\$0	\$0	Total O&M
Replace reduction in Buy-In	0	0	0	0	0	0	0	0	Total O&M
Replacement Fund	800,000	723,517	0	0	76,483	0	0	0	Total O&M
Rate Stabilization Fund	0	0	0	0	0	0	0	0	Total O&M
Other	0	0	0	0	0	0	0	0	Total O&M
<b>Total Transfer to Reserves</b>	<b>\$916,483</b>	<b>\$828,863</b>	<b>\$0</b>	<b>\$0</b>	<b>\$87,619</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Total Revenue Requirements</b>	<b>\$5,589,307</b>	<b>\$5,054,946</b>	<b>\$0</b>	<b>\$0</b>	<b>\$534,361</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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

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)			
<b>Less: Miscellaneous Revenue</b>									
<i>Enterprise Operations</i>									
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
<b>Miscellaneous Revenues</b>	<b>\$468,086</b>	<b>\$423,335</b>	<b>\$0</b>	<b>\$0</b>	<b>\$44,751</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Less: Use of Reserves</b>									
Enterprise Fund	\$315,000	\$284,885	\$0	\$0	\$30,115	\$0	\$0	\$0	Total Revenue Requirement
<b>Total Use of Reserves</b>	<b>\$315,000</b>	<b>\$284,885</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,115</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>Net Revenue Requirements</b>	<b>\$4,806,221</b>	<b>\$4,346,726</b>	<b>\$0</b>	<b>\$0</b>	<b>\$459,494</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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
<b>Total Revenue Requirements</b>	<b>\$4,806,221</b>	<b>\$2,784,719</b>	<b>\$1,415,219</b>	<b>\$606,283</b>	

**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)
<b>Required % Change in Rates</b>	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
<b>Total \$/100 CF</b>	<b>\$1.27</b>	<b>\$1.27</b>	<b>\$1.27</b>	<b>\$1.27</b>
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
<b>Proposed Rates</b>		<b>\$24.36</b>	<b>\$17.83</b>	<b>\$1.29</b>
		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



Dublin San Ramon  
Services District

Water, wastewater, recycled water

7051 Dublin Blvd.  
Dublin, CA 94568  
www.dsrds.com

## Notice of Public Hearing: Proposed Increases to Wastewater Rates

Tuesday, May 2, 2023 at 6 p.m.  
7051 Dublin Boulevard, Dublin, CA

### How do I protest the proposed wastewater rate increases?

DSRSD and its Board of Directors welcomes and will consider input from the community on the proposed increases to wastewater rates at any time, including during the public hearing. Comments may be provided in any form prior to or at the public hearing. However, in accordance with Proposition 218 and District Policy P100-15-5, only valid written protests received by the deadline below may be counted as formal protests.

Any property owner of record or tenant-customer of a parcel receiving wastewater service may submit a written protest. Only one written protest will be counted per parcel served by DSRSD.

A written protest must identify the affected property by assessor's parcel number, street address, or DSRSD account number; identify the property owner of record or tenant-customer; clearly state that the transmittal is a protest to the proposed charges; identify which proposed charges are being protested; and bear the original signature of the property owner of record or tenant-customer. In the case of electronically delivered documents, a scanned signature will be accepted, subject to verification.

All comments and written protests should be addressed to District Secretary Nicole Genzale. For written protests please note on the envelope (or in the subject line of a fax or an email), "Protest of Proposed Changes to Wastewater Rates."

Written protests submitted via email, fax or mail must be received by 4:00 p.m., May 2, 2023

- Mail to 7051 Dublin Blvd, Dublin, CA 94568
- Email a PDF document, attached to an email to [Board@dsrds.com](mailto:Board@dsrds.com)
- Fax to (925) 829-1180

To be considered, hand-delivered comments and written protests must be received either by 4:00 p.m., May 2, 2023, at 7051 Dublin Boulevard, Dublin CA 94568, or before the close of the public hearing on May 2, 2023, 7051 Dublin Boulevard, Dublin CA 94568.

Pursuant to California Government Code section 53759 there is a 120-day statute of limitations for challenging any new, increased, or extended fee or charge.

## NOTICE OF PUBLIC HEARING PROPOSED INCREASES TO WASTEWATER RATES

On Tuesday, May 2, 2023, the DSRSD Board of Directors will hold a public hearing at its regularly scheduled meeting to consider increases to wastewater rates effective July 1, 2023, effective July 1, 2024, effective July 1, 2025, effective July 1, 2026, and effective July 1, 2027. The meeting begins at 6:00 p.m. at DSRSD's District Office, 7051 Dublin Boulevard, Dublin CA 94568.

### HOW CAN I LEARN MORE?

For additional information you can:

- Contact Finance Analyst Corinne Ferreyra, at (925) 875-2298 or [ferreyra@dsrds.com](mailto:ferreyra@dsrds.com)
- Attend the public hearing on May 2, 2023 at 6:00 p.m. at the DSRSD District Office, 7051 Dublin Boulevard, Dublin, CA
- Visit [www.dsrds.com/your-account/rates-fees/wastewater-rates](http://www.dsrds.com/your-account/rates-fees/wastewater-rates)



Dublin San Ramon  
Services District

Water, wastewater, recycled water

## Customer Notification

### PROPOSED INCREASES TO WASTEWATER RATES

The Dublin San Ramon Services District's (DSRSD) core mission is to protect public health and the environment by providing reliable and sustainable water, recycled water and wastewater services in a safe, efficient and fiscally responsible manner. DSRSD began providing wastewater service in 1963. Today, the District directly provides wastewater service to approximately 150,000 people living in Dublin and south San Ramon, and to residents of the City of Pleasanton, by contract. While most customers rarely think about it, sewer service is an essential utility. In setting wastewater rates, the District is guided by the goal to establish cost-based rates that proportionally allocate costs to the various customer types.

DSRSD retained HDR Engineering, Inc., a financial planning consultant, to conduct the 2023 Local and Regional Sewer Cost of Service Study to update the cost of providing wastewater services and realign wastewater rates due to changes over the past five years. The study provides a basis for making rate adjustments, allocation of service costs, and evaluation of the proportionality of current regional and local sewer rates. Visit [www.dsrds.com/your-account/rates-fees/wastewater-rates](http://www.dsrds.com/your-account/rates-fees/wastewater-rates) for more information on Proposition 218 and a link to the 2023 Local and Regional Sewer Cost of Service Study. The study is also available at the District Office, 7051 Dublin Boulevard, Dublin, CA 94568, Monday through Friday from 8:00 a.m. to 4:00 p.m.

If the proposed rates are adopted, some customer bills will increase, and some will decrease. Please refer to your specific customer type for an example of the bill impact of the proposed changes. Only billing periods that begin after the proposed effective date will be charged based on the proposed rate.

### Why are wastewater rates changing?

Typically, the District performs a wastewater rate study every five years to ensure there is sufficient revenue to fund operation, maintenance, and capital replacement needs of the local and regional systems; achieve or maintain reserve targets per Board policy; and reallocate costs among the classes of customers to align with changes over time. This ensures that our customers are equitably charged for the services they receive. As a public agency, DSRSD cannot collect more revenue than is necessary to recover the reasonable costs of providing our services.

New rates are proposed for all wastewater customers for the next five fiscal years (July 1 of one year to June 30 of the next year) in order to recover costs based on the recently completed 2023 Local (collection) and Regional (treatment) Sewer Cost of Service Study. Proposed rates are based on actual cost of service by customer type. Rates were reviewed and restructured to simplify and better reflect the cost of service for each customer class.





Senior Wastewater Treatment Plant Operator Anna Garcia monitors the Regional Wastewater Treatment Facility's Supervisory Control and Data Acquisition system.

### INVESTING IN THE FUTURE OF WASTEWATER

Wastewater rates help fund essential upgrades to the sewer collection system and the Regional Wastewater Treatment Facility.

#### Increasing reliability of monitoring equipment

The District is in the process upgrading the Regional Wastewater Treatment Facility's Supervisory Control and Data Acquisition system that issues commands and monitors data at the facility such as flow readings, temperatures, and tank levels. This \$4.6 million project includes replacing the system's programmable logic controllers and servers, upgrading alarm notification and reporting software, and updating fiber optic communications. This allows staff to operate equipment more efficiently, and provides easier access to data to analyze treatment process improvements.

### What are the proposed changes?

District wastewater rates are comprised of local (collection) and regional (treatment) 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. The only proposed change to the residential rate structure is to combine the multifamily and condominium customers to the same rate given their common wastewater flow and strength characteristics as identified in the rate study.

Commercial, institutional, and industrial rates presently have individual rates for each customer class. Commercial and industrial rates are based on the customer's wastewater strength, indicated by "low," "medium," and "high" strength categories. Institutional customers have a volumetric charge based on metered water consumption. If approved, the proposed regional rates for these customers will be replaced with bands representing different wastewater strengths. Each individual customer will be categorized into a specific strength rate band based on the assumed or measured strength of their wastewater. The change in the proposed rates for Commercial and industrial customers recognizes that most of the customers in those classes had strength levels less than 1,000 mg/l. The changes also 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 wastewater strengths.

If approved, the proposed new rates (residential, commercial, institutional, and industrial) will become effective July 1, 2023. Rates will be adjusted per a set schedule which includes fixed percentage adjustments to be effective July 1, 2023 and July 1, 2024, while increases to be effective July 1 of 2025, July 1 of 2026, and July 1 of 2027 will be set by and limited to inflation (based on the annual February to February change in the Consumer Price Index - All Urban Consumers for San Francisco/Oakland/Hayward) as permitted by Government Code section 53756.

### Residential Wastewater Customers

Since 1971, customers who live in single-family homes, townhomes, and multifamily have been charged a flat rate for wastewater services on the owner's property tax bill listed as DSRSD SEWER SVC. Owners of condominium properties also pay a flat rate for wastewater services but are charged bimonthly with their water bill. Effective July 1, 2023, the bimonthly rate for single family, townhouse, and duplex customer types will be reduced slightly (a \$0.04 decrease), while multifamily and condominium rates, now combined into one rate, will increase (by \$5.05 for condominiums, and by \$13.76 for multifamily).

Current and proposed bimonthly rates by customer classes for residential customer types are noted below:

	Current	Effective July 1, 2023	Effective July 1, 2024	Effective July 1, 2025, July 1, 2026, July 1, 2027
Single Family	82.62	82.58	86.03	Percentage increases will be set by and limited to inflation*, applied to the previous year's rate.
Townhouse	82.62	82.58	86.03	
Condominium	56.93	61.98	64.54	
Duplex	165.24	165.16	172.06	
Single Family w/ 2nd Dwelling Unit	130.84	144.55	150.58	
Multifamily	48.22	61.98	64.54	

\*Based on the annual February to February change in the Consumer Price Index - All Urban Consumers for San Francisco/Oakland/Hayward.

### Non-Residential Wastewater Customers (Commercial, Industrial and Institutional)

Commercial, Industrial, and Institutional (CII) customers are charged variable rates based on cost of service and billed bimonthly. The wastewater rates have two components: collection through the sanitary sewer system and treatment/disposal at the District's wastewater treatment facility in Pleasanton. The collection portion of the rate is based on volume only while the treatment is based on volume and wastewater strength. As a result of the 2023 Local and Regional Sewer Cost of Service Study, the wastewater strength categories have been expanded and restructured to provide for more accurate allocation among CII customers of actual treatment costs.

Wastewater strength is measured by the degree of organic pollutant in the wastewater known as biological oxygen demand (BOD) and total suspended solids (TSS). Rates are higher for customers with a higher level of organic pollutant because it costs the District more to treat the wastewater. Rates are also higher for customers with a higher wastewater flow and volume. The volume of service demand is noted on the bills as 100 cubic feet (748 gallons) per unit. Current and proposed bimonthly rates by customer class for non-residential customer types are noted below:

	Current	Effective July 1, 2023
<b>Commercial (per CCF)</b>		
Low - Less than 300 mg/L	3.93	These classifications have been expanded for more accurate allocation among CII customers.  See the table below for more details.
Medium - Greater than 300 and less than 600 mg/L	6.66	
High - Greater than 600 mg/L	8.81	
<b>Institutional (per CCF)</b>		
Institutional	3.93	
School (submetered)	3.30	
School (non-submetered)	3.93	
<b>Industrial (per CCF)</b>		
Less than 1,000 mg/L	10.53	
Between 1,000 and 1,500 mg/L	12.92	
Greater than 1,500 mg/L	15.32	

Commercial/Institutional/Industrial (per CCF)	Effective July 1, 2023	Effective July 1, 2024	Effective July 1, 2025, July 1, 2026, July 1, 2027
Less than or equal to 300 mg/L	4.58	4.77	Percentage increases will be set by and limited to inflation*, applied to the previous year's rate.
Between 300 and 450 mg/L	5.49	5.71	
Between 450 and 600 mg/L	6.41	6.65	
Between 600 and 750 mg/L	7.32	7.59	
Between 750 and 900 mg/L	8.23	8.53	
Between 900 and 1,050 mg/L	9.14	9.46	
Greater than 1,050 mg/L	To be determined by District on calculation basis		

Dublin San Ramon Services District – East Bay Municipal Utility District Recycled Water Agency (DERWA)	Current	Effective July 1, 2023	Effective July 1, 2024	Effective July 1, 2025, July 1, 2026, July 1, 2027
\$/Connection	6.65			Percentage increases will be set by and limited to inflation*, applied to the previous year's rate.
Demand (\$/MG)	125.90	3,888.52	4,005.18	
BOD (\$/lb)	0.0579	0.3549	0.3655	
TSS (\$/lb)	0.0194	0.7164	0.7379	
Septic Haulers (A1 Enterprises) (per CCF)	0.0690	0.0358	0.0369	

\*Based on the annual February to February change in the Consumer Price Index - All Urban Consumers for San Francisco/Oakland/Hayward.

**From:** [REDACTED]  
**To:** [Board Mailbox](#)  
**Subject:** Rate Hike Protest  
**Date:** Friday, April 7, 2023 12:26:53 AM  
**Attachments:** [Water - Rate HIke Protest\\_04-2023.pdf](#)

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**[EXTERNAL – check for red flags]**

To Whom It May Concern,

Attached is my statement of protest for the proposed rate hike.

Denise Seymour  
Dublin Resident

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April 5, 2023

To Whom It May Concern,

I am submitting this letter to protest the proposed wastewater rate increase. The model that is proposed includes a graduating scale over 5 years which I reject. With the increases in all utilities, it is becoming more and more difficult to live in the Bay Area.

While I don't reject a rate hike in principle, I am simply opposed to the automatic multi-year increase put forth. Also, there is not enough information provided to understand all drivers and reasons for the rate hike structure.

Sincerely,



Denise Seymour

██████████  
Dublin, CA 94568

Comment Received

**From:** [REDACTED]  
**To:** [Board Mailbox](#)  
**Subject:** New service charge levy.  
**Date:** Thursday, April 27, 2023 7:16:44 AM

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**[EXTERNAL – check for red flags]**

Once again a government agency just puts it to all the customers. I think rather than raising our fees you all should across the board take a 10% pay cut. Then come to us and talk about an increase to our property taxes. If you don't know there are a lot of seniors and retired citizens on fixed incomes under the DSRSD and every dollar counts. So I guess the elderly will miss that one meal or doctors appointment cause of your greed. The question is do any of you care? I have my doubts that you do!

Mike Grant  
Guns Unlimited Firearms Training

Pronouns: Guns/Ammo

“Amateurs practice until they get right; Professionals train until they can't do it wrong.

RESOLUTION NO. \_\_\_\_\_

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT ESTABLISHING LOCAL AND REGIONAL WASTEWATER RATES UNDER SECTION 5.30.020 (SERVICE AND DEMAND CHARGES) OF THE DISTRICT CODE AND RESCINDING RESOLUTION NO. 33-17 AND RESOLUTION NO. 36-22

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WHEREAS, Section 5.30.020 of the District Code of Regulations allows the Board of Directors to establish user charges by resolution, and

WHEREAS, the District Board last approved a Comprehensive Regional and Local Sewer Rate Study in June 2017 by the adoption of Resolution No. 33-17; and

WHEREAS, the current Local and Regional Wastewater Service Charges were adopted on July 19, 2022, by Resolution No. 36-22, and

WHEREAS, on March 7, 2023, the Board of Directors received the final draft 2023 Comprehensive Regional and Local Sewer Rate Study, dated February 28, 2023, which described recommendations for cost allocation and rate setting; and

WHEREAS, the Board of Directors has considered the recommendations therein and agree that adjustments to the allocation of costs among customer classes are necessary to maintain desired levels of wastewater service within the District's service area; and

WHEREAS, the Board of Directors conducted a duly noticed public hearing on May 2, 2023, and notice of the hearing was provided to all District customers by mail on March 17, 2023, and the Board has considered all of the information received by the Board regarding the proposed recommendation, including the written protests received prior to and comments received at the public hearing; and

WHEREAS, the Board of Directors accepted and caused a tabulation of all written protests against the proposed wastewater rates, in accordance with Article XIII D of the California Constitution (Proposition 218) and the District's Proposition 218 Receipt, Tabulation and Validation of Written Protests Policy P100-19-5, and based upon the results of the tabulation a majority protest against the proposed rates does not exist; and

WHEREAS, the Board of Directors finds and determines that the District has complied with the procedural and substantive requirements set forth in Article XIII D of the California Constitution (Proposition 218) and all relevant statutes that provide for revisions to property-related rates and charges, and the Board further finds and determines that the recommended revisions to the wastewater rates are in the best interests of the District and will pay for ongoing operations, maintenance, repair and improvements to the District's facilities; and

WHEREAS, the California Environmental Quality Act (CEQA), Section 15273. Rates, Tolls, Fares, and Charges, states that CEQA does not apply to the establishment, modification, structuring, restructuring, or approval of rates, tolls, fares, or other charges by public agencies which the public agency finds are for the purpose of:

- (1) Meeting operating expenses, including employee wage rates and fringe benefits;
- (2) Purchasing or leasing supplies, equipment, or materials;
- (3) Meeting financial reserve needs and requirements;
- (4) Obtaining funds for capital projects, necessary to maintain service within existing service areas;
- (5) Obtaining funds necessary to maintain such intra-city transfers as are authorized by city charter; and

WHEREAS, the proposed wastewater rates are explicitly for the purposes above, as described in detail in the 2023 Comprehensive Regional and Local Sewer Rate Study.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency located in the Counties of Alameda and Contra Costa, California, that the Board of Directors hereby declares each of the foregoing recitals true and correct and fully incorporated herein; and

BE IT FURTHER RESOLVED that the Board of Directors hereby adopts the 2023 Comprehensive Regional and Local Sewer Rate Study prepared by HDR Engineering, Inc., dated February 28, 2023, including adoption of the local and regional wastewater rate schedules for Fiscal Years 2024 through 2028 inclusive; and

BE IT FURTHER RESOLVED by the Board of Directors as follows:

1. That this resolution shall be effective immediately upon its adoption and the Local and Regional Wastewater Rates, as shown in the attached Exhibit A, are hereby established as operative for all billing periods commencing on and after July 1, 2023, unless and until subsequently revised as provided for herein.

2. The Consumer Price Index — All urban Consumers for the San Francisco-Oakland-San Jose, California area (CPI), provides an appropriate and accurate measure of the increases in operating costs of the sort used to calculate the amount of the District's user charges, and the Board therefore adopts said Consumer Price Index as the index for measuring increases in the cost of such costs for the purpose of future automatic adjustments to the District's user charges.

3. Unless otherwise acted upon by the Board, the amount of the Local Wastewater Rates will be automatically adjusted effective July 1 of each year as shown in the attached Exhibit A,

commencing with Fiscal Year 2024 and ending with Fiscal Year 2028 and as described in the sentence that follows. The General Manager is authorized and directed to increase the Local Wastewater Rates by the percentage by which the most recent CPI available as of the last day of February for that calendar year has increased in relation to the most recent corresponding CPI available the last day of February of the preceding calendar year. These automatic increases shall apply to Fiscal Years 2026, 2027 and 2028, unless further authorized pursuant to the procedures specified in section 6 of Article XIII D of the California Constitution and Government Code section 53755.

4. Unless otherwise acted upon by the Board, the amount of the Regional Wastewater Rates will be automatically adjusted effective July 1 of each year as shown in the attached Exhibit A, commencing with Fiscal Year 2024 and ending with Fiscal Year 2028 and as described in the sentence that follows. The General Manager is authorized and directed to increase the Regional Wastewater Rates by the percentage by which the most recent CPI available as of the last day of February for that calendar year has increased in relation to the most recent corresponding CPI available the last day of February of the preceding calendar year. These automatic increases shall apply to Fiscal Years 2026, 2027 and 2028, unless further authorized pursuant to the procedures specified in section 6 of Article XIII D of the California Constitution and Government Code section 53755.

5. The General Manager shall notify the Board of an automatic adjustment per this resolution and post the new Local and Regional Wastewater Rates on the District's website by April 30 of each year and customers shall receive notification thereof in accordance with Government Code section 53756.

6. The wastewater service charges are subject to the statute of limitations provided for in California Government Code section 53759.

7. Resolution No. 33-17 and Resolution No. 36-22 are rescinded in full effective July 1, 2023, and are included as Exhibit B to this document and this resolution shall thereafter supersede any prior resolutions of the Board of Directors setting wastewater service charges, to the extent contrary to this resolution.

8. If any provision of this resolution, or any part thereof, is for any reason held to be ultra vires, invalid, unenforceable, or unconstitutional, the remaining provisions shall not be affected but shall remain in full force and effect, and to this end the provisions of this resolution are severable.

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ADOPTED by the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 2nd day of May, 2023, and passed by the following vote:

AYES:

NOES:

ABSENT:

ATTEST: \_\_\_\_\_  
Nicole Genzale, District Secretary

\_\_\_\_\_  
Georgan M. Vonheeder-Leopold, President



**Residential – Current and Proposed Rates  
(Combined Local and Regional Bimonthly Rates)**

<b>Customer Class</b>	<b>Billing Unit</b>	<b>Current Rates (\$)</b>	<b>Effective July 1, 2023 (Fiscal Year 2024)</b>	<b>Effective July 1, 2024 (Fiscal Year 2025)</b>	<b>Effective July 1, 2025 July 1, 2026 July 1, 2027 (Fiscal Years 2026-28)</b>
Single Family or Townhouse	Annual	82.62	82.58	86.03	Percentage increases will be set by and limited to inflation applied to the previous year's rate.*
Condominium	Annual	56.93	61.98	64.54	
Duplex	Annual	165.24	165.16	172.06	
Single Family w/ 2 <sup>nd</sup> Dwelling	Annual	130.84	144.55	150.58	
Multifamily	Bimonthly	48.22	61.98	64.54	

\*Rates will be adjusted upward annually by the February to February CPI increase for each of the fiscal years ending 2026, 2027, and 2028. Examples illustrating the effect of CPI increases and the specific amounts of the combined rates attributable to the Local and Regional components may be found at [www.DSRSD.com](http://www.DSRSD.com).

**Non-Residential – Current Rates**  
(Classifications have been modified for proposed future rates)

Customer Class	Billing Unit	Current
<b>Commercial</b>		
Low: ≤ 300 mg/L	ccf	3.93
Medium: > 300 mg/L and ≤ 600mg/L	ccf	6.66
High: >600 mg/L	ccf	8.80
<b>Institutional</b>		
Schools (submetered)	ccf	3.92
Schools (not submetered)	ccf	3.29
Other Institutions	ccf	3.92
<b>Industrial</b>		
Low: ≤ 1,000 mg/L	ccf	10.52
Medium: > 1,000 mg/L and ≤ 1,500mg/L	ccf	12.91
High: >1,500 mg/L	ccf	15.31
Septic Haulers	gallon	0.069

**Non-Residential – Proposed Rates**  
(Combined Local and Regional Bimonthly Rates)

Commercial/Institutional/Industrial (per CCF)	Effective July 1, 2023 (Fiscal Year 2024)	Effective July 1, 2024 (Fiscal Year 2025)	Effective July 1, 2025 July 1, 2026 July 1, 2027 (Fiscal Years 2026-28)
Less than or equal to 300 mg/L	4.58	4.77	Percentage increases will be set by and limited to inflation, applied to the previous year's rate.*
Between 300 and 450 mg/L	5.49	5.71	
Between 450 and 600 mg/L	6.41	6.65	
Between 600 and 750 mg/L	7.32	7.59	
Between 750 and 900 mg/L	8.23	8.53	
Between 900 and 1,050 mg/L	9.14	9.46	
Greater than 1,050 mg/L	To be determined by District on calculation basis		

Dublin San Ramon Services District – East Bay Municipal Utility District Recycled Water Agency (DERWA)	Current	Effective July 1, 2023	Effective July 1, 2024	Effective July 1, 2025 July 1, 2026 July 1, 2027
\$/Connection	6.65			Percentage increases will be set by and limited to inflation*, applied to the previous year's rate.
Demand (\$/MG)	125.90	3,888.52	4,005.18	
BOD (\$/lb)	0.0579	0.3549	0.3655	
TSS (\$/lb)	0.0194	0.7164	0.7379	
<b>Septic Haulers (A1 Enterprises) (per CCF)</b>	0.0690	0.0358	0.0369	

\*Rates will be adjusted upward annually by the February to February CPI increase for each of the fiscal years ending 2026, 2027, and 2028. Examples illustrating the effect of CPI increases may be found at [www.DSRSD.com](http://www.DSRSD.com)..

RESOLUTION NO. 33-17

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT ESTABLISHING LOCAL AND REGIONAL WASTEWATER RATES UNDER SECTION 5.30.020 (SERVICE AND DEMAND CHARGES) OF THE DISTRICT CODE AND RESCINDING RESOLUTION NO. 31-10.

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WHEREAS, Section 5.30.020 of the District Code of Regulations allows the Board of Directors to establish user charges by resolution, and

WHEREAS, the current Local and Regional Wastewater Service Charges were adopted on July 20, 2010 by Resolution No. 31-10, and

WHEREAS, cost of service studies were completed to determine the rates needed for the Local and Regional Wastewater Enterprise, and

WHEREAS, on April 18, 2017, the Board was provided a comprehensive overview of the rate study process and assumptions, a financial review of the Wastewater Enterprises and a presentation of rate allocations to review and provided guidance on the adoption thereof.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency located in the Counties of Alameda and Contra Costa, California as follows:

1. The Consumer Price Index — All urban Consumers for the San Francisco-Oakland-San Jose, California area (CPI), provides an appropriate and accurate measure of the increases in operating costs of the sort used to calculate the amount of the District's user charges, and the Board therefore adopts said Consumer Price Index as the index for measuring increases in the cost of such costs for the purpose of future automatic adjustments to the District's user charges.
2. The Local and Regional Wastewater Rates as shown in the attached Exhibit A are hereby established effective July 1, 2017.
3. Unless otherwise acted upon by the Board, the amount of the Local Wastewater Rates will be adjusted automatically effective July 1 of each year as shown in the attached Exhibit A, commencing with FYE 2018 and ending with FYE 2022, unless further authorized pursuant to the procedures specified in section 6 of article XIID of the California Constitution and Government Code section 53755.
4. Unless otherwise acted upon by the Board, the amount of the Regional Wastewater Rates will be automatically adjusted effective July 1 of each year by the CPI as defined above and as described in the sentence that follows. The General Manager is authorized and directed to increase the Regional Wastewater Rates by the percentage by which the most recent CPI available as of the last day of February for that calendar year has increased in relation to the most recent corresponding CPI available the last day of February of the preceding calendar year. Examples of how a 2% CPI would affect the Regional Wastewater Rates is shown in the attached Exhibit A. These automatic increases shall apply to FYE 2019, FYE 2020, FYE 2021 and FYE 2022, unless further authorized pursuant to the procedures specified in section 6 of article XIID of the California Constitution and Government Code section 53755.

5. The General Manager shall post the new Local and Regional Wastewater Rates on the District's website by March 31 of each year and customers shall receive notification thereof in accordance with section 53756 of the Government Code.
6. Resolution No. 31-10 is rescinded effective July 1, 2017, and is included as Exhibit B to this document.

ADOPTED by the Board of Directors of the Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 20th day of June 2017, and passed by the following vote:

AYES: 4 - Directors D.L. (Pat) Howard, Georgean M. Vonheeder-Leopold,  
Edward R. Duarte, Richard M. Halket

NOES: 0

ABSENT: 1 - Director Madelyne A. Misheloff

  
\_\_\_\_\_  
Richard M. Halket, President

ATTEST:   
Nicole Genzale, District Secretary

RESOLUTION NO. 36-22

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT ESTABLISHING LOCAL AND REGIONAL WASTEWATER RATES UNDER CHAPTER 5.30.020 OF THE DISTRICT CODE AND RESCINDING RESOLUTION NO. 33-17

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WHEREAS, Chapter 5.30.020 of the District Code of Regulations allows the Board of Directors to establish user charges by resolution; and

WHEREAS, the current Local and Regional Wastewater Service Charges were adopted on June 20, 2017, by Resolution No. 33-17; and

WHEREAS, on May 17, 2022, the Board was provided an overview of the rate assumptions and financial review necessary to consider and justify extending the *2017 Regional Sewer Rate Study* and *2017 Local Wastewater Rate Study* for an additional year to develop proposed fiscal year ending 2023 wastewater service charges; and

WHEREAS, the public has received notification of the proposed rate adjustment and the public hearing in accordance with Proposition 218; and

WHEREAS, the Board reviewed the protests and determined that a majority protest does not exist; and

WHEREAS, the rates, as adopted by this resolution, will supersede those previously established in Resolution No. 33-17.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency located in the Counties of Alameda and Contra Costa, California as follows:

1. The Local and Regional Wastewater Rates as shown in Exhibit "A," attached hereto and incorporated herein as if fully set forth, are hereby established effective September 1, 2022.
2. The General Manager shall post the new Local and Regional Wastewater Rates on the District website following the adoption of this Resolution.
3. Resolution No. 33-17, attached as Exhibit "B," is rescinded effective September 1, 2022.

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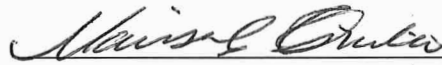
Res. No. 36-22


ADOPTED by the Board of Directors of the Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 19th day of July, 2022, and passed by the following vote:

AYES: 4 – Directors Georgean M. Vonheeder-Leopold, Ann Marie Johnson, Arun Goel, Marisol Rubio

NOES: 0

ABSENT: 1 – Director Richard M. Halket

  
Richard M. Halket, President

ATTEST:   
Nicole Genzale, District Secretary