

AGENDA

NOTICE OF REGULAR MEETING

TIME: 6 p.m.
PLACE: Shannon Community Center, Ambrose Hall
11600 Shannon Avenue, Dublin, CA 94568

DATE: Tuesday, May 7, 2019

Our mission is to provide reliable and sustainable water, recycled water, and wastewater services in a safe, efficient, and environmentally responsible manner.

1. CALL TO ORDER
2. PLEDGE TO THE FLAG
3. ROLL CALL – Members: Duarte, Halket, Johnson, Misheloff, Vonheeder-Leopold
4. SPECIAL ANNOUNCEMENTS/ACTIVITIES
 - New Employee Introductions
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.
6. REPORTS
 - 6.A. Reports by Staff
 - Event Calendar
 - Correspondence to and from the Board
 - 6.B. Joint Powers Authority and Committee Reports
 - 6.C. 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 Regular Meeting Minutes of April 16, 2019
Recommended Action: Approve by Motion
 - 7.B. Approve Special Meeting Minutes of April 23, 2019
Recommended Action: Approve by Motion
 - 7.C. Approve Proclamation Honoring May 19–25, 2019 as National Public Works Week
Recommended Action: Approve by Motion

- 7.D. Adopt Revisions to Rules and Regulations Governing Employer-Employee Organization Relations and Rescind Resolution No. 12-14
Recommended Action: Adopt by Resolution

8. BOARD BUSINESS

- 8.A. Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists
Recommended Action: Approve by Motion
- 8.B. Approve Continuation of Emergency Action Procurement by General Manager for Repair of the Jeffrey G. Hansen Water Recycling Plant and Find that the Need for the Electrical Power Supply Failure Emergency Still Exists
Recommended Action: Approve by Motion
- 8.C. Second Reading: Adopt Ordinance Establishing the District's By-Division System for Electing Directors in Conformance with the California Voting Rights Act (CVRA)
Recommended Action: Waive Reading by Motion and Adopt by Ordinance
- 8.D. Receive Report on the Projected Financial Condition of the Local Wastewater Fund Family for Fiscal Year Ending 2019
Recommended Action: Receive Report
- 8.E. Approve Mid-Year Operating and Capital Outlay Budget Adjustments for Fiscal Year Ending 2019
Recommended Action: Approve by Resolution
- 8.F. Receive Presentation on Draft Capital Improvement Program Ten-Year Plan for Fiscal Years Ending 2020 through 2029 and Two-Year Budget for Fiscal Years Ending 2020 and 2021 and Provide Direction to Staff
Recommended Action: Receive Presentation and Provide Direction
- 8.G. Discuss the Strategic Plan 2019 Update and Provide Direction
Recommended Action: Discuss and Provide Direction

9. BOARD MEMBER ITEMS

- Submittal of Written Reports for Day of Service Events Attended by Directors
- Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

10. CLOSED SESSION

- 10.A. Conference with Labor Negotiators Pursuant to Government Code Section 54957.6
- | | |
|-------------------------|---|
| Agency Negotiators: | Dan McIntyre, General Manager
Carol Atwood, Administrative Services Manager |
| Employee Organizations: | 1. Stationary Engineers, Local 39
2. Mid-Management Employees' Bargaining Unit
3. Professional Employees' Bargaining Unit
4. Confidential Employees' Bargaining Unit |
| Additional Attendees: | Robert B. Maddow, Assistant General Counsel |

- 10.B. Conference with Legal Counsel – Anticipated Litigation
Significant Exposure to Litigation Pursuant to Government Code Section 54956.9(d)(2): One Potential Case

11. REPORT FROM CLOSED SESSION

12. ADJOURNMENT

All materials made available or distributed in open session at Board or Board Committee meetings are public information and are available for inspection at the front desk of the DSRSD Field Operations Facility at 7035 Commerce Circle, Pleasanton, during business hours, or 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 REGULAR MEETING OF THE BOARD OF DIRECTORS**

April 16, 2019

1. CALL TO ORDER

A regular meeting of the Board of Directors was called to order at 6:01 p.m. by Vice President Duarte.

2. PLEDGE TO THE FLAG

3. ROLL CALL

Boardmembers present at start of meeting:

Vice President Edward R. Duarte, Director Ann Marie Johnson, Director Richard M. Halket, and Director Georgean M. Vonheeder-Leopold.

President Madelyne A. (Maddi) Misheloff was absent.

District staff present: Dan McIntyre, General Manager; Carol Atwood, Administrative Services Manager/Treasurer; Judy Zavadil, Engineering Services Manager/District Engineer; Jeff Carson, Operations Manager; Carl P.A. Nelson, General Counsel; and Nicole Genzale, Executive Services Supervisor/District Secretary.

Following the roll call, Vice President Duarte announced that a special DERWA Board meeting was held earlier today, attended by Vice President Duarte and Director Georgean Vonheeder-Leopold. In accordance with DSRSD's Day of Service policy, no Director will receive any compensation or stipend for participating in more than one meeting on this date.

4. SPECIAL ANNOUNCEMENTS/ACTIVITIES – General Manager McIntyre announced that tomorrow, April 17, 2019, is DSRSD's 66th birthday!

5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC) – 6:02 p.m. No public comment was received.

6. REPORTS

6.A. Reports by General Manager and Staff

- Event Calendar – General Manager McIntyre reported on the following:
 - o The Dublin State of the City Address will be held at the Shannon Community Center tomorrow, April 17. DSRSD is sponsoring a table.
 - o The Tri-Valley Water Liaison Committee meeting scheduled for Wednesday, April 24 has been cancelled. The next meeting will be held Wednesday, July 24.
- Correspondence to and from the Board on an Item not on the Agenda – None

6.B. Joint Powers Authority and Committee Reports

DSRSD/City of Pleasanton Liaison – April 11, 2019

Special DERWA – April 16, 2019

Vice President Duarte invited comments on recent JPA and Committee activities.

Director Halket and Director Johnson commented that the DSRSD/City of Pleasanton Liaison Committee meeting was collegial and productive, and discussion topics were well received.

Director Vonheeder-Leopold reported the special DERWA Board held earlier this evening was called to address the recycled water treatment facility electrical outage emergency that occurred on Sunday, April 7, 2019. The DERWA Board approved emergency funding of up to \$1,000,000 for DSRSD to complete necessary repairs.

6.C. 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 Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FOUR AYES and ONE ABSENT (Misheloff).

7.A. Regular Meeting Minutes of April 2, 2019 – Approved

7.B. Accept the Following Regular and Recurring Report: Warrant List – Approved

8. BOARD BUSINESS

8.A. Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists

Engineering Services Manager Zavadil reviewed the item for the Board. She reported that staff received design drawings today for review, and expects to also receive a preliminary cost estimate from the construction management company by April 26.

Director Halket MOVED to Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FOUR AYES and ONE ABSENT (Misheloff).

8.B. Approve Emergency Action Procurement by General Manager for Repair of Recycled Water Treatment Facility

Operations Manager Carson reviewed the item for the Board. He gave a presentation, which was distributed to the Board, showing a powerful arc flash that occurred at the DERWA (Dublin San Ramon Services District-East Bay Municipal Utility District Recycled Water Authority) recycled water treatment facility signaling the onset of the electrical outage on Sunday, April 7, 2019. He explained the nature of the DERWA equipment failure, the resulting damage, and the inspections, parts, activities, and estimated timeline to repair the facility and restore normal production. DSRSD staff have secured emergency generators to provide power while they make repairs.

The Board and staff discussed aspects of the procurement and repair processes to restore the facility to full operation.

Director Vonheeder-Leopold MOVED to adopt Resolution No. 16-19, Approving Emergency Action Procurement by the General Manager for Repair of the Recycled Water Treatment Facility. Director Johnson SECONDED the MOTION, which CARRIED with FOUR AYES and ONE ABSENT (Misheloff).

8.C. First Reading: Introduction of Ordinance Establishing the District's By-Division System for Electing Directors in Conformance with the California Voting Rights Act (CVRA)

Vice President Duarte read the title of the Ordinance: An Ordinance of Dublin San Ramon Services District to Establish a By-Division System for Electing Directors.

Vice President Duarte solicited a Motion to Waive Reading of the Ordinance.

Director Vonheeder-Leopold MOVED to Waive Reading of the Ordinance. Director Halket SECONDED the MOTION, which CARRIED with FOUR AYES and ONE ABSENT (Misheloff).

Vice President Duarte asked for the staff presentation. Executive Services Supervisor/District Secretary Nicole Genzale reviewed the item for the Board.

Vice President Duarte asked for any public comments.

Speaker: Anonymous – The speaker inquired if/when the District's residential recycled water fill stations will reopen.

The Board and staff explained there are currently no planned reopenings due to ongoing facility construction and lack of a declared drought emergency.

The Board had no additional comments and took no action. The ordinance adoption is scheduled for Tuesday, May 7, 2019.

8.D. Receive Update on the Tri-Valley Water Supply

General Manager McIntyre reviewed the item for the Board. He reported that the Tri-Valley Water Liaison Committee (comprised of cities of Dublin, Livermore, Pleasanton, San Ramon, and Zone 7 Water Agency (Zone 7), DSRSD, and California Water Service Company) have met a number of times since the most recent drought to identify and study water supply projects in the Tri-Valley to meet future needs. He reported that although current water supply meets Zone 7 and DSRSD water reliability policy standards, it will not suffice for the long-term (more than 10 years), and at least two supply projects must be implemented in the near-term. He reported the Committee last met in January and members were not unified on project timing, nor the general approach to move forward. The purpose of the next meeting, scheduled for April 24, was to review a proposed framework of common principles and establish a broad policy with less emphasis on specific details, but due to disagreement about such a framework, the meeting has been cancelled.

The Board and staff expressed their concern over this slowdown in progress, and emphasized how important it is for the Committee to meet and hold these critical discussions. The Board expressed its hope that effective communication will take place amongst the Committee members in order to hold a productive meeting as scheduled on July 24.

8.E. Receive Draft Water Rate Study, Authorize Proposition 218 Notice, and Set Public Hearing for June 18, 2019

Financial Services Supervisor Herman Chen reviewed the item for the Board. He gave a presentation, which was distributed to the Board, outlining forthcoming water rate actions based on previous Board direction regarding proposed charges for potable water, recycled water, fixed service, power, water shortage conditions, and the Dougherty Valley Standby Charge District pass-through, as well as customer impacts, and the proposed timeline for the Proposition 218 noticing and rate adoption process.

The Board and staff discussed certain aspects of the presentation, including the updated Proposition 218 notice handed out this evening, the public noticing process and District protest tabulation policy, the escalation of power charges during conservation periods (to recapture revenue lost when selling and pumping less water to a higher elevation), and water shortage condition charges developed to recover cost during water shortage emergencies. Director Halket also noted for the record, that water shortage condition charges are designed to signal desired conservation to customers.

Director Johnson MOVED to Authorize a Proposition 218 Notice and Set a Public Hearing for June 18, 2019. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FOUR AYES and ONE ABSENT (Misheloff).

8.F. Adopt Revised Consolidated Water Enterprise Fund Policy and Rescind Resolution No. 36-16

Administrative Services Manager Atwood reviewed the item for the Board.

Director Halket MOVED to adopt Resolution No. 17-19, Revising the Consolidated Water Enterprise Fund Policy and Rescinding Resolution No. 36-16. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FOUR AYES and ONE ABSENT (Misheloff).

8.G. Receive Presentation and Support the Proposed Livermore-Amador Valley Water Management Authority Operations and Maintenance Budgets for Fiscal Year 2019-2020 and Fiscal Year 2020-2021

Operations Manager Carson reviewed the item for the Board. He distributed a PowerPoint to the Board illustrating the LAVWMA pipeline facilities, and explained the following areas for increases in the proposed LAWVMA budget: preventative maintenance replacement items, increased special sampling due to East Bay Discharge Authority requests, increased regulatory monitoring parameters, and underground

service alert administrative changes. The Board did not have any comments or questions on this item.

8.H. Receive Update on DSRSD Staffing Changes

General Manager McIntyre reviewed the item for the Board. He distributed a presentation to the Board illustrating the unprecedented staffing and leadership changes that have occurred, due in large part to staff retirements, since he became the General Manager in 2016. Since then, he has seen 42 new staff hired and 13 of 18 leadership positions re-staffed! The Board marveled over the continuous staffing transitions and requested weekly notifications of staff retirements, which staff agreed to provide going forward.

8.I. Receive Presentation on Legislative and Regulatory 2018 Report and 2019 Platform and Provide Direction

Community Affairs Supervisor Sue Stephenson reviewed the item for the Board. The Board and staff discussed certain aspects of the item. The Board directed staff to proceed with the efforts as recommended, and requested staff to follow any proposed legislation regarding efficiencies to improve fuel use and carbon footprints, and to emphasize the importance of the District's support for continuation of ADU (accessory dwelling unit) impact fees, and the District's opposition to the proposed water tax.

9. BOARDMEMBER ITEMS

- Submittal of Written Reports for Day of Service Events Attended by Directors

Director Vonheeder-Leopold submitted written reports to Executive Services Supervisor Genzale. She reported that she attended the California Association of Sanitation Agencies (CASA) Finance Committee teleconference meeting on Wednesday, April 3, the Executive Director Recruitment Subcommittee of the CASA Board of Directors teleconference meeting on Tuesday, April 9, and the Alameda County California Special Districts Association Chapter Board meeting on Wednesday, April 10, at the Castro Valley Sanitary District. She summarized the activities and discussions at the meetings. She also reported that she, as President Misheloff's designee, will cast the District's vote for the Alameda LAFCo Non-Enterprise seat election at the Independent Special District Selection Committee meeting on Wednesday, May 8, at the Castro Valley Library.

Director Johnson submitted written reports to Executive Services Supervisor Genzale. She reported that she attended Zone 7 Water Agency's Patterson Pass Water Treatment Plant Upgrades and Ozonation Project celebration on Wednesday, April 10, in Livermore, and the DSRSD/City of Pleasanton Liaison Committee meeting on Thursday, April 11. She summarized the activities and discussions at the meetings.

Director Duarte submitted a written report to Executive Services Supervisor Genzale. He reported that he attended the Contra Costa California Special Districts Association chapter meeting on Monday, April 15, at the Central Contra Costa Sanitation District Collection System Operations facility in Walnut Creek. He summarized the activities and discussions at the meeting.

- Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda – None

10. CLOSED SESSION

10.A. NOT HELD – Conference with Legal Counsel – Anticipated Litigation Significant Exposure to Litigation Pursuant to Government Code Section 54956.9(d)(2): One Potential Case

10.B. NOT HELD – Conference with Legal Counsel – Existing Litigation Pursuant to Government Code Section 54956.9(d)(1)
Name of Case: Dublin Unified School District

11. REPORT FROM CLOSED SESSION – NOT HELD

12. ADJOURNMENT

Vice President Duarte adjourned the meeting at 7:25 p.m.

Submitted by,

Nicole Genzale, CMC
Executive Services Supervisor/District Secretary

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

Item 7.B.

April 23, 2019

1. CALL TO ORDER

A special meeting of the Board of Directors was called to order at 5:08 p.m. by President Misheloff.

2. PLEDGE TO THE FLAG

3. ROLL CALL

Boardmembers present at start of meeting:

President Madelyne A. (Maddi) Misheloff, Vice President Edward R. Duarte, Director Ann Marie Johnson, Director Richard M. Halket, and Director Georgean M. Vonheeder-Leopold.

District staff present: Dan McIntyre, General Manager; Carol Atwood, Administrative Services Manager/Treasurer; and Robert Maddow, Assistant General Counsel.

4. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC) – 5:09 p.m. No public comment was received.

5. BOARD BUSINESS

5.A. Receive Presentation on the Strategic Plan 2019 Update and Provide Direction

General Manager McIntyre gave an overview of the Strategic Plan (Plan) process, noting this is the first time the Board is considering the 2019 update to the five-year Plan. The Board will have an opportunity to review the draft Plan at the May 7 Board meeting, and it is anticipated that the Board will approve the plan on May 21. If more Board discussion is needed, the timeframe for approval of the Plan update can be extended into June.

Mr. McIntyre noted the Plan is reviewed in conjunction with the District's two-year budget cycle. Staff is concurrently developing an operating budget and a capital budget to include the resources that will be needed to implement the adopted Plan. The Board will first review the capital budget on May 7, and the operating budget on May 21.

Mr. McIntyre noted that former strategic plans were quite exhaustive, at times running to nearly 400 action items. The emphasis for the 2017 adopted strategic plan and this preliminary draft 2019 Plan is to help staff focus on key areas. In considering what goals and action items to propose to the Board, the District's Leadership Team was guided by three conceptual criteria:

1. Ideas needed to communicate some change the District was going to make, either at a policy level or at an operational level. Routine and recurring items typically would not be included in the Plan.
2. Some level of Board action would be involved. For example, the Board might need to change a policy, change a budget, reallocate resources, or grant some type of approval to implement the goals and action items of the Plan.
3. The Plan should involve items of paramount importance to the District. Thus, the focus would be on areas that were critical for the District to address within the five-year horizon of the Plan.

Mr. McIntyre explained proposed changes to the District's mission statement and vision statement. The Board had no questions, nor gave any direction for modifying the draft wording.

The Board then decided, by consensus, to review each of the eight (8) proposed strategic goals and related action items, in order:

1. Maintain our financial stability and sustainability

The Board discussed the concept of ensuring future utility rate increases not exceeding inflation. The Board noted that in the short-term, some customers' utility rates will be going up more than inflation. The Board directed that this action item be reworded to state that the District would strive to limit future utility rate increases to no more than the general inflation rate.

The Board agreed that the action item pertaining to investing short-term to minimize long-term District costs might be unclear to the public. There was general agreement that "investing short-term" was an unsuitable expression. Mr. McIntyre clarified that the intent of this action item was that short-term operating and capital expenditures would be needed by the District to save on some greater long-term capital costs in the future. The Board agreed that they were supportive of spending some funds sooner rather than later, to save on long-term costs. Mr. McIntyre stated staff would bring back revised wording for the Board to consider on May 7. Suggestions included rephrasing to "Manage capital assets and risks to...."

2. Make additional investment in information systems that provide a strong return on investment

The Board agreed on the need to update the District's finance and utility billing software. The Board discussed the electronic content management program, and was interested in having further information about this program at a later date. The Board discussed the District's Records Retention Schedule policy. Mr. McIntyre noted that the policy was due for a quadrennial review shortly. He also noted that information on the policy would be brought to the Board later this year. Director Johnson requested that this item address what success in this area looks like, and that the third bullet be modified to say "Fully tailor our computerized..."

3. Update our business practices and procedures

Director Vonheeder-Leopold noted that the District will need to collaborate with other agencies to update and renegotiate agreements, therefore, the use of the phrase "work collaboratively" in the second action item for this goal was redundant. Mr. McIntyre stated that staff would modify accordingly. Director Johnson asked about the issue of agency organization. Does the District want to rethink its relationships with other agencies in the Tri-Valley? A long discussion ensued about the history of successes and challenges on inter-agency collaborations in the Tri-Valley. The Board requested that staff draft an additional action item pertaining to Tri-Valley partnerships and coordination.

4. Develop a fully integrated Asset Management Program to guide all the District's business decisions

Director Johnson requested that "CIP" be spelled out in one of the action items.

5. Attract, professionally develop, and engage a highly skilled workforce to ensure a continuously high performing organization

Director Johnson inquired about what change or changes was staff proposing? Was there any new effort in this area? Director Halket noted that the item was not drafted very strategically. What is the intent? Director Johnson suggested the item be reworded, with some greater specificity. Perhaps the District should consider a strategic staffing plan? The Board discussed the need to consider staffing levels in the future once current deferred items are addressed. Also, could technology be utilized to economize on direct staff efforts? Lastly, could some less significant activities that the District has not been able to put enough effort into be contracted out as a way of accelerating those program elements? The Board concluded by directing that a more specific goal or action items be drafted by staff to address a strategic staffing plan for the future.

6. Match District staffing to business needs, reallocating resources as necessary to address new challenges and opportunities

The Board, by consensus, noted that the goal was vague, and needed to be reworded to make clearer what change was proposed by staff. The Board did not see a lot of difference between strategic goals five and six and asked if the goals could possibly be combined? Other discussions centered around business continuity and succession planning.

7. Enhance our ability to respond to emergencies and maintain business continuity

Director Halket noted that he liked this goal. Vice President Duarte noted that the District should look for opportunities to contract out the first and second tasks pertaining to creating the plan and a database on emergency assets, equipment, and materials in stock, to allow staff to focus on other tasks, and to be economical. For example, a safety company could provide this assessment for the District. Director Johnson inquired about equipment redundancy for emergencies. Does the District need to complete a thorough risk assessment of operational hazards, and the equipment and supplies needed to have on hand to meet emergency needs? The District needs to balance dealing with contingencies with being economical, through a careful risk assessment discussion. Lastly, the Board directed that the fourth action item for this goal be amended from coordinating with the City of Dublin, to coordinating with the cities the District serve. The District does not want to omit or exclude San Ramon, for example.

8. Meet the objectives of the District's water supply policy by developing and implementing an integrated recycled and potable water program

Mr. McIntyre mentioned that more than most of the other strategic goals, this issue of water supply reliability was a fundamental policy question that the Board would need to grapple with. Mr. McIntyre noted that in recent Board meetings there have been discussions on how quickly the District needs to consider actions to bolster the water supply. Any special focus or acceleration of work will require more senior level effort, and would require the addition of an assistant general manager position to the District.

Director Vonheeder-Leopold noted the District has been discussing water supply reliability for some time. Perhaps the District needs to grapple with this issue more forthrightly? Director Halket noted that the District's Water Supply, Storage, Conveyance, Quality and Conservation policy needs to be revisited. It probably needs to be redrafted, because there may be too many items in the policy. Also, the policy needs to address the issue of what will the District do if it is not confident it can achieve its water supply reliability goals. Mr. McIntyre noted that the policy is scheduled for formal quadrennial review by the Board in the fall.

Director Johnson suggested some additions to the draft Plan:

1. Develop a strategy around energy reliability for the District. The recent power failure at the DSRSD • EBMUD Recycled Water Authority facilities, and uncertainties about PG&E should cause the District to rethink its energy practices. Is there more that the District should be doing? Does the District want to consider solar power, wind power, or other ideas? Mr. McIntyre noted that the District has a pilot solar project at the Plant Maintenance building. There was general agreement by the Board that managing an uncertain energy future needed to be part of the Plan.
2. Consider addressing carbon footprint issues. Vice President Duarte suggested that staff should not be added for this effort, but consultants should be hired instead. There was general agreement with that concept.
3. Consider a strategic goal around regulatory efficacy and legislative issues. Director Vonheeder-Leopold noted that the District used to put more effort in this area, but that focus has been reduced due to the large number of current District initiatives. The District spends considerably on dues for utility associations, such as Association of California Water Agencies (ACWA) and California Association of Sanitation Agencies (CASA), and the District should rely on those associations to represent DSRSD's interests in regulatory and legislative affairs.

The Board inquired if staff had sufficient input to prepare a second draft of the Plan. Mr. McIntyre noted the Board provided useful input, and staff would present a second draft at the May 7 Board meeting.

6. ADJOURNMENT

President Misheloff adjourned the meeting at 6:58 p.m.

Submitted by,

Nicole Genzale, CMC
Executive Services Supervisor/District Secretary



TITLE: Approve Proclamation Honoring May 19–25, 2019 as National Public Works Week

RECOMMENDATION:

Staff recommends the Board of Directors approve, by Motion, a Proclamation honoring May 19–25, 2019 as National Public Works Week.

SUMMARY:

National Public Works Week is a celebration of the tens of thousands of men and women in North America who provide and maintain the infrastructure and services collectively known as public works.

National Public Works Week is observed each year during the third full week of May. Instituted as a public education campaign by the American Public Works Association (APWA) in 1960, National Public Works Week seeks to energize and educate the public on the importance of public works to their daily lives.

This year's National Public Works Week theme is **"It Starts Here."** This theme represents the many facets of modern civilization that grow out of the efforts put forth by the public works professionals across North America. What starts here? *Infrastructure* starts with public works... *Growth and innovation* starts with public works... *Mobility* starts with public works... *Security* starts with public works... *Healthy communities* start with public works... The bottom line is that citizens' quality of life starts with public works.

The District has a \$66 million budget in infrastructure and other capital improvement projects planned for its Capital Improvement Program for Fiscal Years Ending 2018 and 2019.

Originating Department: Office of the General Manager	Contact: N. Genzale	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input checked="" type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)	14 of 257	



Proclamation

Dublin San Ramon Services District

To Honor National Public Works Week: May 19–25, 2019

WHEREAS, Dublin San Ramon Services District celebrates National Public Works Week with a \$66 million budget in infrastructure and other capital improvement projects planned in its Capital Improvement Program for Fiscal Years Ending 2018 and 2019; and

WHEREAS, public works services provided by the District in its service areas are an integral part of the citizens' everyday lives; and

WHEREAS, the support of an understanding and informed citizenry is vital to the efficient and effective operation of public works systems and programs such as water, recycled water, and sewers; and

WHEREAS, the efficiency and effectiveness of qualified and dedicated public works personnel is materially influenced by the people's attitude and understanding of the importance of the work they perform; and

WHEREAS, the efficiency and effectiveness of qualified and dedicated public works personnel is materially influenced by the people's attitude and understanding of the importance of the work they perform; and

WHEREAS, this year's National Public Works Week theme is **"It Starts Here."** This theme represents the many facets of modern civilization that grow out of the efforts put forth by the public works professionals across North America. What starts here? *Infrastructure* starts with public works... *Growth and innovation* starts with public works... *Mobility* starts with public works... *Security* starts with public works... *Healthy communities* start with public works... The bottom line is that citizens' quality of life starts with public works.

NOW, THEREFORE, BE IT PROCLAIMED that the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa:

May 19–25, 2019 is National Public Works Week.

Dublin San Ramon Services District calls upon all citizens and civic organizations to acquaint themselves with the issues involved in providing our public works and to recognize the contributions which public works officials make every day to our health, safety, comfort, and quality of life.

Adopted this 7th day of May, 2019

Madelyne A. Misheloff, President

Edward R. Duarte, Vice President

Ann Marie Johnson, Director

Richard M. Halket, Director

Georgian M. Vonheeder-Leopold, Director

Nicole Genzale, District Secretary



TITLE: Adopt Revisions to Rules and Regulations Governing Employer-Employee Organization Relations and Rescind Resolution No. 12-14

RECOMMENDATION:

Staff recommends the Board of Directors adopt, by Resolution, revisions to the Rules and Regulations Governing Employer-Employee Organization Relations for Dublin San Ramon Services District, and rescind Resolution No. 12-14.

SUMMARY:

The District's current Rules and Regulations Governing Employer-Employee Organization Relations was adopted by Resolution No. 12-14 on March 4, 2014. In accordance with District practice, all Board policies are to be evaluated and updated every four years.

District staff has reviewed the current Resolution and Rules Governing Employer-Employee Organization Relations with employment attorney Mark Gregersen of Sloan Sakai Yeung & Wong LLP and incorporated his revisions into the revised document. The revisions proposed are primarily for clarification purposes only, and do not constitute major changes in direction or application of existing procedures.

Staff has met and consulted with all of the employee bargaining units and union representatives, and there were no impact concerns made with respect to the proposed changes; therefore, the District has satisfied all meet and consult obligations related to this matter.

Originating Department: Administrative Services	Contact: M. Gallardo	Legal Review: Yes
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <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 – Rules and Regulations Governing Employer-Employee Organization Relations policy – marked up version	

EXHIBIT A

**RULES AND REGULATIONS GOVERNING
EMPLOYER-EMPLOYEE ORGANIZATION RELATIONS
FOR THE DUBLIN SAN RAMON SERVICES DISTRICT**

Article I. General Provisions

Section 1. Statement of Purpose.

This Resolution implements Chapter 10, Division 4, Title 1 of the Government Code of the State of California (Sections 3500, *et seq.*) captioned "Local Public Employee Organizations," (also referred to as the Meyers-Milias Brown Act [MMBA]) by providing orderly procedures for the administration of employer-employee relations between the District and its employee organizations and the employees they represent. It is the purpose of this Resolution to provide procedures for meeting and conferring in good faith with Recognized Employee Organizations regarding matters that directly affect and primarily involve the wages, hours and other terms and conditions of employment of employees in appropriate units and that are not preempted by Federal or State law. However, nothing herein shall be construed to restrict any legal or inherent exclusive District rights (as defined in Article III, Section 17) with respect to matters of general legislative or managerial policy, which include among others: the exclusive right to determine the mission of its constituent departments; set standards of service; determine the procedures and standards of selection for employment; direct its employees; take disciplinary action; relieve its employees from duty because of lack of work or for other lawful reasons; determine the content of job classifications; maintain the efficiency of operations; determine the methods, means and personnel by which operations are to be conducted; take all necessary actions to carry out its mission in emergencies; and exercise complete control and discretion over its organization and the technology of performing its work.

Section 2. Definitions.

As used in this Resolution, the following terms shall have the meanings indicated:

- (a) "Appropriate Unit" or "Unit" means a unit of employee classifications or positions, established pursuant to Article II hereof.
- (b) "District" means Dublin San Ramon Services District, and, where appropriate herein, refers to the Board of Directors, or any duly authorized District representative as herein defined.
- (c) "Confidential Employee" means any employee who, in the course of his or her duties, has access to confidential information relating to the District's administration of employer-employee relations.
- ~~(d)~~ "Consult/Consultation in Good Faith" means to communicate orally or in writing with all affected exclusively recognized employee organizations for the purpose of presenting and obtaining views or advising of proposed actions in a good faith effort to reach a consensus; and, as distinguished from meeting and conferring in good faith regarding matters within the required scope of such meet and confer process, does not involve an exchange of proposals and counter-proposals with an exclusively recognized employee organization in an endeavor to reach agreement in the form of a Memorandum of Understanding, nor is it subject to Article IV hereof.
- (d)
- (e) "Day" means calendar day unless expressly stated otherwise.

- (f) "Employee" means any person employed by the District, except those who are-but does not include: (1) elected officials; (2) persons employed by contract with a third party agency or company; and (3) independent contractors.
- ~~(f)~~(g) "Employee Organization" means either any organization that includes District employees and that has as one of its primary purposes representing those employees in their relations with the District; or any organization that seeks to represent District employees in their relations with the District.
- ~~(g)~~(h) "Employee Relations Officer" means the General Manager or his/her duly authorized representative(s).
- ~~(h)~~(i) "Exclusively Recognized Employee Organization" means an employee organization which has been formally acknowledged by the District as the sole employee organization representing the employees in an appropriate representation unit pursuant to Article II hereof, having the exclusive right to meet and confer in good faith concerning statutorily required subjects pertaining to unit employees, and thereby assuming the corresponding obligation of fairly representing such employees.
- ~~(i)~~(j) "Impasse" means that the representatives of the District and an Exclusively Recognized Employee Organization have reached a point in their meeting and conferring in good faith where their differences on matters to be included in a Memorandum of Understanding, and concerning any other matters of that which they are required to meet and confer, remain so substantial and prolonged that further meeting and conferring would be futile.
- (k) "Management Employee" means an employee having significant responsibility for formulating, administering, or managing the implementation of District policies and programs, or managing Departments, major divisions of Departments or of functions, or any employee having authority to - in the interest of the District, to hire, transfer, suspend, lay off, recall, promote, discharge, assign, reward, or discipline other employees, or responsibility to direct them, or to adjust their grievances, or evaluate their performance, or effectively to recommend such action if, in connection with the foregoing, the exercise of such authority is not of a merely routine or clerical nature, but requires the use of independent judgment.
- ~~(j)~~(l) "Mediation" means effort by an impartial third party to assist in reconciling a dispute regarding wages, hours and other terms and conditions of employment between representatives of the Dublin San Ramon Services District and the Exclusively Recognized Employee Organization through interpretation, suggestion, and advice.
- (m) "Memorandum of Understanding" (or "MOU") means a written agreement between the District and an exclusively recognized employee organization regarding wages, hours and working conditions within the scope of representation. MOUs shall not be valid or enforceable unless and until adopted by the Board of Directors.
- ~~(k)~~ "Professional Employee" means an employee engaged in work requiring specialized knowledge and skills attained through completion of a prolonged and recognized course of specialized instruction in an institution of higher learning or a hospital, - as distinguished from a general academic education, from an apprenticeship, or from training in the performance of routine mental, manual, or physical processes,- including, but not limited to, attorneys, physicians, architects, engineers, teachers, registered nurses, and various types of physical, chemical, and biological scientists.
- (n)
- ~~(j)~~(o) "Proof of Employee Support" means (1) an authorization card recently signed and personally dated by an employee; (2) a verified authorization petition or petitions recently signed and personally dated by an employee or employees; or (3) employee dues deduction authorization, using the payroll register for the period immediately prior to the date a petition is filed hereunder, except that dues deduction authorizations for more than one employee organization for the account of any one employee shall not be considered as proof of employee support for any employee organization. The only

authorization which shall be considered as proof of employee support hereunder shall be the authorization last signed by an employee. The words "recently signed" shall mean within sixty (60) days prior to the filing of a petition.

~~(m)~~(p) "Supervisory Employee" means any employee having authority, in the interest of the District, to hire, transfer, suspend, lay off, recall, promote, discharge, assign, reward, or discipline other employees, or responsibility to direct them, or to adjust their grievances, or evaluate their performance, or effectively to recommend such action if, in connection with the foregoing, the exercise of such authority is not of a merely routine or clerical nature, but requires the use of independent judgment.

~~(n)~~(q) "Working Days" means the days that the Public Employment Relations Board is open for business.

Article II. Unit Determination and Representation Proceedings

Section 3. Policy and Standards for Determination of Appropriate Units.

The policy objectives in determining the appropriateness of units shall be the effect of a proposed unit on (1) the efficient operations of the District including the compatibility of the unit with the mission of the District and the unit's impact on the District's ability to effectively and economically serve the public; and (2) providing employees with effective representation based on recognized community of interest considerations. These policy objectives require that the appropriate unit shall be the broadest feasible grouping of positions that share an identifiable community of interest. Factors to be considered may include:

- (a) — Similarity of the general kinds of work performed, types of qualifications required, and the general working conditions.
- (b) — History of representation in the District and similar employment; except however, that no unit shall be deemed to be an appropriate unit solely on the basis of the extent to which employees in the proposed unit have organized.
- (c) — Consistency with the organizational structure of the District.
- (d) The effect of differing legally mandated impasse resolution procedures.
- (e) Number of employees and classifications, and the effect on the administration of employer-employee relations created by the fragmentation of classifications and proliferation of units.
- (f) Effect on the classification structure and impact on the stability of the employer-employee relationship of dividing single or related classifications among two or more units.
- (g) The application and consistency of wage, hour and benefit packages within the bargaining unit.
- (h) Specific legal requirements, such as the rights of professional employees to form their own bargaining units.

Notwithstanding the foregoing provisions of this Section, managerial, supervisory and confidential responsibilities, as defined in Section 2 of this Resolution, are determining factors in establishing appropriate units hereunder, and therefore such managerial, supervisory and confidential employees may only be included in units that do not include non-managerial, non-supervisory and non-confidential employees. Managerial, supervisory and confidential employees may not represent any employee organization that represents other employees.

Section 4. Procedure for the Establishment of Appropriate Units.

The Employee Relations Officer shall have the authority to establish Appropriate Units, pursuant to the provisions of Section 3 of ~~this~~ Article II. Whenever the Employee Relations Officer establishes an Appropriate Unit, he/she shall give written notice of such action to the affected employees and/or employee organizations, if any. Thereafter, an affected employee organization may appeal the Employee Relations Officer's determination pursuant to the provisions of Section 6 of this Article II.

Following final determination of the Employee Relations Officer establishing an Appropriate Unit, employee organizations may file Recognition Petitions pursuant to Section 7 of this Article II, seeking to become the Exclusively Recognized Employee Organization for such unit.

Section 5. Procedure for Modification of Established Appropriate Units.

Bargaining unit modifications may be initiated by: (a) the District; (b) a group of employees; or (c) a recognized employee organization.

- (a.) District-initiated unit modifications: The District may initiate a modification of its unit structure, including the creation of new units, or the reallocation of classifications from one bargaining unit to another bargaining unit. The District shall provide written notice of the proposed modification, at which time all affected employee organizations shall be heard. After a final determination is made, the Employee Relations Officer will give written notice and call a meeting with all affected recognized employee organizations, for the purposes of providing all parties with copies of the Employee Relations Officer's decision in writing. Within ten (10) days of notice regarding the Employee Relations Officer's determination to modify a bargaining unit, or reallocate classifications, an affected recognized employee organization may submit an appeal to the Employee Relations Officer as provided in Section 6 of this Article II. If a unit is modified pursuant to the motion of the Employee Relations Officer hereunder, employee organizations may thereafter file Recognition Petitions seeking to become the Exclusively Recognized Organization for such new appropriate unit or units pursuant to Section 7 hereof.
- (b.) Employee and recognized employee organization-initiated modifications: An employee, group of employees, or a recognized employee organization may request that a unit be modified, or that one or more classifications be reallocated to a new or existing bargaining unit. Such request may be filed only during the time-period specified in Section 11~~2~~. The District shall provide notice to ~~any and~~ all affected employee organizations upon receipt of such a request. The request must be accompanied by documentation, dated no later than six months earlier than the request, showing that at least thirty percent (30%) of the employees in the classification(s) proposed to be reallocated to another unit, support the request. The request should also contain a statement of all the relevant facts in support of the proposed modified unit.
 - (i) The Employee Relations Officer may exercise discretion to deny the request in the event the criteria in Section 3 and Section 7 of this Resolution suggest to the Employee Relations Officer that the modification or reallocation is inappropriate. The Employee Relations Officer shall provide notice of the rejection to all affected employee organizations promptly after such determination.
 - (ii) If the Employee Relations Officer determines that the modification or reallocation of a unit is consistent with the criteria listed in Section 3 and Section 7, the Employee Relations Officer shall further process the request. If the Employee Relations Officer determines that a new unit or reallocation is appropriate, the Employee Relations Officer

shall provide notice to all affected employee organizations in the District. If no protest is filed within ten (10) days, the Employee Relations Officer shall promptly reassign affected classifications to the new unit or reallocate the classifications to an existing bargaining unit. In the event of an assignment to a newly created bargaining unit, the Employee Relations Officer shall also notify the employees of their rights under this Resolution, including the right to select an employee organization of their choice for the purpose of meeting and conferring with the District regarding wages, hours and working condition under the MMBA.

- (iii) Within ten (10) days of notice regarding the Employee Relations Officer's determination to modify a bargaining unit, or reallocate classifications, an affected recognized employee organization may submit an appeal to the Employee Relations Officer as provided in Section 6 of this Article II.

Section 6. Appeals of Appropriate Unit Determinations and Unit Modifications.

An employee organization aggrieved by the establishment or modification of an Appropriate Unit by the Employee Relations Officer pursuant to the provisions of this Article II may, within ten (10) days of notice thereof, file a written appeal with the Employee Relations Officer. Such appeal shall specify the provisions of this Article II to have been violated and the corrective action requested.

The Employee Relations Officer shall provide in writing his/her final determination within ten (10) days of receipt of the appeal. Either the employee organization or the Employee Relations Officer may request to meet with the other to discuss the appeal. If such a meeting is requested, it shall take place. If the parties meet, the Employee Relations Officer shall provide his/her final determination in writing within ten (10) days following the meeting.

The employee organization has ten (10) days after notice of the Employee Relations Officer's final determination to request that the matter be submitted for mediation to the California State Mediation and Conciliation Service (CSMCS), or fifteen (15) days to appeal the decision directly to the Board of Directors.

The request shall be made in writing to the Employee Relations Officer. If the employee organization chooses mediation and those efforts fail, the employee organization has ten (10) days from termination of the mediation to appeal to the Board. Such an appeal shall be filed in writing with the Board President and a copy thereof served on the Employee Relations Officer. The Board of Directors shall commence to consider the matter within thirty (30) days of the filing of the appeal and shall render a decision within sixty (60) days [of the filing of the appeal](#). The Board of Directors may, at its discretion, refer the dispute to a neutral third party, such as an appointed hearing officer, who shall conduct a hearing and provide an advisory decision to the Board. Any decision of the Board of Directors on the use of such procedure, and/or any decision of the Board of Directors determining the substance of the dispute shall be final and binding.

If, at any stage of this appeal process, the employee organization fails to comply with the time limits contained herein, the appeal shall be deemed to have been resolved based upon the last response/action of the District. If, at any stage of this appeal process, the District fails to comply with the time limits contained herein, the employee organization may advance the appeal to the next level. Nothing herein is intended to prohibit the parties from waiving and/or modifying these time limits by mutual agreement. Such waivers shall be in writing to a date certain.

Section 7. Filing of Recognition Petition by Employee Organization.

An employee organization that seeks to be formally acknowledged as the Exclusively Recognized Employee Organization representing the employees in an appropriate unit shall file a petition with the Employee Relations Officer containing the following information and documentation:

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- (a) ~~_____ Name and address of the employee organization.~~ Name, address, and telephone number of the employee organization.
- (b) ~~_____ Names and titles of the employee organizations'its~~ officers.
- (c) ~~_____ Names, telephone numbers, and email addresses~~ of employee organization representatives who are authorized to speak on behalf of the organization.
- (d) ~~_____ A statement that the employee organization has, as one of its primary purposes, the responsibility of representing employees in their employment relations with the District.~~
- (e) ~~_____ A statement whether the employee organization is a chapter of, or affiliated directly or indirectly in any manner, with a local, regional, state, national or international organization, and, if so, the name and address of each such other organization.~~
- (f) ~~_____ Certified copies of the employee organization's constitution and bylaws.~~
- (g) ~~_____ A designation of those persons, not exceeding two in number, and their addresses, to whom notice sent by regular United States mail will be deemed sufficient notice on the employee organization for any purpose.~~
- (h) ~~_____ A statement that the employee organization has no restriction on membership based on race, color, creed, sex, national origin, age, religion, sexual orientation, mental or physical disability, or medical condition~~ or any other trait protected by ~~and all other traits as protected by~~ federal, state and local law.
- (i) ~~_____ The job classifications or position titles of employees in the unit claimed to be appropriate and the approximate number of member employees therein.~~ A description of the proposed appropriate unit, including the job classifications or position titles of employees in the unit claimed to be included and those excluded (appropriate), and the approximate number of employees therein.
- (~~j~~k) ~~_____ A statement that the employee organization has in its possession proof of employee support as defined herein to establish that a majority of the employees in the unit claimed to be appropriate have designated the employee organization to represent them in their employment relations with the District. Such written proof shall be submitted for confirmation to the Employee Relations Officer or to a mutually agreed upon disinterested third party. In the case of a unit modification, the petition shall state that the signing employees support the request for the unit modification.~~
- (~~k~~l) ~~_____ A request that the Employee Relations Officer formally acknowledge the petitioner as the Exclusively Recognized Employee Organization representing the employees in the unit claimed to be appropriate for the purpose of meeting and conferring in good faith.~~

The Petition, including the proof of employee support and all accompanying documentation, shall be declared to be true, correct and complete, under penalty of perjury, by the duly authorized officer(s) of the employee organization executing it.

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Section 8. District Response to Recognition Petition.

Upon receipt of the Petition, the Employee Relations Officer shall determine whether:

- (a) There has been compliance with the requirements of Section 7 of this Article II, and
- (b) The representation unit has been determined to be an appropriate unit in accordance with the provisions of Sections 3 and 4 of this Article II.

If the Employee Relations Officer determines that the foregoing two conditions have been satisfied, he/she shall so inform the petitioning employee organization, shall give written notice of such request for recognition to the employees in the unit and shall take no action on said request for thirty (30) days thereafter. If either of the foregoing conditions has not been satisfied, the Employee Relations Officer shall offer to consult thereon with such petitioning employee organization and, if such determination thereafter remains unchanged, shall inform that organization of the reasons therefore in writing. —The petitioning employee organization may appeal such determination in accordance with Section 6 of this Article II.

Granting Recognition without an Election. If the proof of support shows that a majority of the employees in the appropriate unit has designated the petitioning employee organization to represent them, and if no other employee organization filed a challenging petition, the petitioning employee organization and the Employee Relations Officer shall request the California State Mediation and Conciliation Service, or another agreed upon neutral third party, to review the count, form, accuracy and propriety of the proof of support. If the neutral third party makes an affirmative determination, the Employee Relations Officer shall formally acknowledge the petitioning employee organization as the Exclusive Recognized Employee Organization for the designated unit.

Section 9. Open Period for Filing Challenging Petition.

Within thirty (30) days of the date written notice was given to affected employees that a valid recognition petition for an appropriate unit has been filed, any other employee organization may file a competing request to be formally acknowledged as the exclusively recognized employee organization of the employees in the same or in an overlapping unit (one which corresponds with respect to some but not all of the classifications or positions set forth in the recognition petition being challenged) by filing a recognition petition evidencing proof of employee support in the unit claimed to be appropriate of at least thirty percent (30%) and otherwise in the same form and manner as set forth in Section 7 of this Article II. If such challenging petition seeks establishment of an overlapping unit, the Employee Relations Officer shall call for a hearing on such overlapping petitions for the purpose of ascertaining the more appropriate unit, at which time the petitioning employee organizations shall be heard. Thereafter, the Employee Relations Officer shall determine the appropriate unit or units in accordance with the standards in Section 3 of this Article II. The petitioning employee organizations shall have fifteen (15) days from the date of notice if such unit determination is communicated to them by the Employee Relations Officer to amend their petitions to conform to such determination or to appeal such determination pursuant to Section 6 of this Article II.

Section 10. ~~Granting Recognition Without an Election.~~

~~If the proof of support shows that a majority of the employees in the appropriate unit has designated the petitioning employee organization to represent them, and if no other employee organization filed a challenging petition, the petitioning employee organization and the Employee Relations Officer shall request the California State Mediation and Conciliation Service, or another agreed upon neutral third party, to review the count, form, accuracy and propriety of the proof of support. If the neutral third party makes an affirmative determination, the Employee Relations Officer shall formally acknowledge the petitioning employee~~

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~~organization as the Exclusive Recognized Employee Organization for the designated unit.~~

Section ~~14~~10. Election Procedure.

The Employee Relations officer shall arrange for a secret ballot election to be conducted by a third party agreed to by the Employee Relations Officer and the concerned employee organization(s), in accordance with its rules and procedures subject to the provisions of this Resolution. Should the parties fail to reach agreement upon a third party, the California State Mediation and Conciliation Service shall be the neutral third party and shall verify the exclusive or majority status of the employee organization. All employee organizations that have duly submitted petitions that have been determined to be in conformance with this Article II shall be included as a choice on the ballot. The ballot shall also reserve to employees the option of having "No Representation." Employees entitled to vote in such election shall be those persons employed in regular permanent positions within the designated appropriate unit who are employed on the date of the election and who were employed during the pay period immediately prior to the date of the election, but which ended at least fifteen (15) days before the date the election commences. Voters shall include employees who did not work during such period because of illness, vacation or other authorized leaves of absence. An employee organization shall be formally acknowledged as the Exclusively Recognized Employee Organization for the designated appropriate unit following an election or run-off election if it receives a numerical majority of all valid votes cast in the election. In an election involving three or more choices, where none of the choices receives a majority of the valid votes cast, a run-off election shall be conducted only between the two choices receiving the largest number of valid votes cast, the rules governing an initial election being applicable to a run-off election.

There shall be no more than one (1) valid election under this Resolution pursuant to any petition in a twelve (12) month period affecting the same unit.

In the event that the parties are unable to agree on a third party to conduct an election, the election shall be conducted by the State Mediation and Conciliation Service.

Costs of conducting elections shall be borne in equal shares by the District and by each employee organization appearing on the ballot.

Section ~~12~~11. Procedure for Decertification of Exclusively Recognized Employee Organization.

A Decertification Petition alleging that the incumbent Exclusively Recognized Employee Organization no longer represents a majority of the employees in an established appropriate unit may be filed with the Employee Relations Officer only during the thirty (30) day period commencing October 1 of each calendar year. In accordance with the MMBA, decertification may not be requested during the first year after recognition of a unit. A Decertification Petition may be filed by two or more employees or their representative, or an employee organization, and shall contain the following information and documentation declared by the duly authorized signatory under penalty of perjury to be true, correct and complete:

- (a) The name, address and telephone number of the petitioner and a designated representative authorized to receive notices or requests for further information.
- (b) The name of the established appropriate unit and of the incumbent Exclusively Recognized Employee Organization sought to be decertified as the representative of that unit.
- (c) An allegation that the incumbent Exclusively Recognized Employee Organization no longer represents a majority of the employees in the appropriate unit and any other relevant and material facts relating thereto.

- (d) Proof of employee support that at least thirty percent (30%) of the employees in the established appropriate unit no longer desire to be represented by the incumbent Exclusively Recognized Employee Organization. Such proof shall be submitted for confirmation to the Employee Relations Officer or to a mutually agreed upon disinterested third party within the time limits specified in the first paragraph of this Section.

The Employee Relations Officer shall initially determine whether the Petition has been filed in compliance with the applicable provisions of this Article II. If his/her determination is in the negative, he/she shall offer to consult thereon with the representative(s) of such petitioning employees or employee organization and, if such determination thereafter remains unchanged, shall return such Petition to the employees or employee organization with a statement of the reasons therefore in writing. The petitioning employees or employee organization may appeal such determination in accordance with Section 6 of this Article II. If the determination of the Employee Relations Officer is in the affirmative, or if his/her negative determination is reversed on appeal, he/she shall give written notice of such Decertification to the incumbent Exclusively Recognized Employee Organization and to unit employees.

The Employee Relations Officer shall thereupon arrange for a secret ballot election to be held on or about fifteen (15) days after the above notice to determine the wishes of unit employees as to the question of decertification. Such election shall be conducted in conformance with Section 101 of this Article II.

If, pursuant to Section 112, a different employee organization is formally acknowledged as the Exclusively Recognized Employee Organization or a majority of voting employees select "No Representation" in such organization (if any), the employees assigned to the unit in question and the District shall be bound by all the terms and conditions of any Memorandum of Understanding then in effect for its remaining term.

Section 12. Procedure for Severance Petition

An employee organization that seeks to become the Exclusively Recognized Employee Organization representing the employees of an appropriate unit consisting of a group of employees who are already members of an established representation unit shall file a petition with the Employee Relations Officer containing the following information and documentation declared by the duly authorized signatory under penalty of perjury to be true, correct, and complete:

- (a) _____ Name, address, and telephone number of the employee organization.
- (b) _____ Names and titles of the employee organization's officers.
- (c) _____ Names, telephone numbers, and email addresses of employee organization representatives who are authorized to speak on behalf of the organization.
- (d) _____ A statement that the employee organization has, as one of its primary purposes, the responsibility of representing employees in their employment relations with the District.
- (e) _____ A statement whether the employee organization is a chapter of, or affiliated directly or indirectly in any manner, with a local, regional, state, national, or international organization, and, if so, the name and address of each such organization.
- (f) _____ Certified copies of the employee organization's constitution and bylaws.
- (g) _____ A designation of those persons, not exceeding two in number, and their addresses to whom notice sent by regular United States mail will be deemed sufficient notice on the employee organization

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for any purpose.

- (h) _____ A statement that the employee organization has no restriction on membership based on race, color, creed, sex, national origin, age, religion, sexual orientation, mental or physical disability, or medical condition and other traits as protected by federal, state, and local law.
- (i) _____ A brief description and title of the established unit.
- (j) _____ A description of the proposed appropriate unit, including the job classifications or position titles of employees in the unit claimed to be included and those excluded (appropriate), and the approximate numbers therein.
- (k) _____ The date on which the exclusive representative was recognized or certified;
- (l) _____ The effective and expiration dates of the current memorandum of understanding, if any, covering employees in the established unit.
- (m) _____ A statement that the employee organization has in its possession proof of employee support as defined herein to establish that a majority of the employees in the proposed unit claimed to be appropriate have designated the employee organization to represent them in their employment relations with the District. Such written proof shall be submitted for confirmation to the Employee Relations Officer or to a mutually agreed upon disinterested third party.
- (n) _____ A request that the Employee Relations Officer formally acknowledge the petitioner as the Exclusively Recognized Employee Organization representing the employees in the proposed unit claimed to be appropriate for the purpose of meeting and conferring in good faith.

Whenever a memorandum of understanding exists, a severance petition must be filed during the “window period” defined by PERB regulation section 61010 which is the 29 day period that is less than 120 days but more than 90 days prior to the expiration date of a lawful memorandum of understanding.

Concurrent with the filing of a severance petition, the employee organization shall serve a copy of the petition, excluding any proof of support, on the exclusive representative of the established unit. Proof service is required pursuant to PERB regulation section 32140.

Section 13. District Response to Severance Petition

Upon receipt of the Petition, the Employee Relations Officer shall determine whether:

- (a) _____ —There has been compliance with the requirements of Section 12 of Article II, and
- (b) _____ —The representation unit has been determined to be an appropriate unit in accordance with the provisions of Sections 3 and 4 of Article II.

If the Employee Relations Officer determines that the foregoing two conditions have been satisfied, he/she shall so inform the petitioning employee organization, shall give written notice of such request for recognition to the employees in the unit and shall take no action on said request for thirty (30) days thereafter. If either of the foregoing conditions has not been satisfied, the Employee Relations Officer shall inform that organization of the reasons therefore in writing. The petitioning employee organization may appeal such determination in

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accordance with Section 6 of this Article II.

If the Employee Relations Officer denies a unit severance petition, a unit severance petition may not be filed regarding the same representation unit until twelve (12) months after the date the petition was denied.

Article III. Administration

Section 1342. Submission of Current Information by Exclusively Recognized Employee Organizations.

All changes in the information filed with the District by an Exclusively Recognized Employee Organization under items (a) through (k) of its Recognition Petition under Section 7 of this Resolution shall be submitted in writing to the Employee Relations Officer within fourteen (14) days of such change.

Section 1453. Employee Organization Activities -- Use of District Resources.

Access to District work locations and the use of District paid time, facilities, equipment and other resources by employee organizations and those representing them shall be authorized only to the extent provided for in Memoranda of Understanding and/or administrative procedures, shall be limited to lawful activities consistent with the provisions of this Resolution that pertain directly to the employer-employee relationship and not such internal employee organization business as soliciting membership, campaigning for office, and organizing meetings and elections during working time and shall not interfere with the efficiency, safety and security of District operations.

Section 1564. Administrative Rules and Procedures.

The General Manager is hereby authorized to establish such rules and procedures as appropriate to implement and administer the provisions of this Resolution after consultation with affected employee organizations.

Section 17. District Rights.

Subject to the requirements of the Government Code (MMBA), the District retains its rights:

- (a) To determine the mission of each of its constituent departments and divisions;
- (b) To set standards of services offered to the public;
- (c) To determine the procedures and standards of selection for employment and promotion;
- (d) -To direct its employee, take disciplinary action for proper cause and to determine the content of job classifications, and to relieve its employees from duty because of lack of work or for other lawfulegitimate reasons;
- (e) To maintain the efficiency of District operations, determine the methods, means and personnel by which District operations are to be conducted;
- (f) To take all necessary actions to carry out its mission in emergencies and to exercise complete

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control and discretion over its organization and the technology of performing its work;

(g) The exercise of such District rights by the District shall not preclude employees or their representatives from the exercise of their rights under the Government Code (MMBA) or under this resolution.

Article IV. Impasse Procedures

Section 1685. Initiation of Impasse Procedures.

If the meet and confer process has reached impasse as defined in this Resolution, either party may initiate impasse procedures by filing with the other party a written request for an impasse meeting, together with a statement of its position on all unresolved issues. Once impasse is declared, a meeting between the parties shall then be scheduled promptly by the Employee Relations Officer. The purpose of this meeting shall be:

- (a) To review the position of the parties in a final effort to reach agreement; and
- (b) If this final effort does not result in an agreement, to discuss arrangements for the utilization of the impasse procedures provided herein.

Section 1796. Impasse Procedures.

Mediation and Request for Factfinding

- (a) If the parties agree to submit the dispute to mediation, and agree on the selection of a mediator, the dispute shall be submitted to mediation. Selection of the mediator will be decided jointly by the District and the Exclusively Recognized Employee Organization. In the event that the District and the Exclusively Recognized Employee Organization are unable to agree on the selection of a mediator, the District will request the California State Mediation and Conciliation Service to appoint a mediator. All mediation proceedings shall be confidential. The mediator shall make no public recommendation, nor take any public position at any time concerning the issues.
- (b) If the parties participate in mediation, and if the mediator is unable to effect settlement of the dispute, the Exclusively Recognized Employee Organization may present a request to the Public Employment Relations Board ("PERB") to submit the impasse to fact-finding. This request by the Exclusively Recognized Employee Organization to submit the impasse to fact-finding must be made no sooner than 30 days, but no later than 45 days, following the selection of a mediator by the parties.

~~(e)~~ If the parties do not agree to participate in mediation, the Exclusively Recognized Employee Organization may present a request to PERB to submit the impasse to fact-finding no later than 30 days following the date that either party has provided the other a written notice of declaration of impasse.

(c)

- (d) If the Exclusively Recognized Employee Organization does not request fact-finding within the timeframes provided for above, the District may impose its last, best and final offer.
- (e) Within five (5) working days after PERB's determination that the request for fact-finding is sufficient, the District and the Exclusively Recognized Employee Organization shall each appoint one member to the panel. PERB shall, within five (5) working days after the parties appoint the two members to the panel,

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select a chairperson for the panel.

(f) The following constitute the jurisdictional and procedural requirements for fact-finding:

- (1) The panel shall, within ten (10) days after its appointment unless extended by the parties, meet with the parties or their representatives, either jointly or separately, and may make inquiries and investigations, hold hearings, and take any other steps it deems appropriate.
- (2) For the purposes of the hearings, investigations, and inquiries, the panel shall have the power to issue subpoenas requiring the attendance and testimony of witnesses and the production of evidence. The District shall furnish the panel, upon its request, with all records, papers, and information in their possession relating to any matter under investigation by or in issue before the panel.
- (3) Subject to the stipulations of the parties, the fact-finders shall consider, weigh and be guided by the following measures and criteria in arriving at their findings and recommendations:
 - a. State and federal laws that are applicable to the District.
 - b. The District's local rules, regulations, and resolutions and ordinances.
 - c. Stipulations of the parties.
 - d. The interests and welfare of the public, and the financial ability of the District.
 - e. Comparison of the wages, hours, and conditions of employment of the employees involved in the fact-finding proceeding with the wages, hours, and conditions of employment of other employees performing similar services in comparable public agencies.
 - f. The consumer price index for goods and services, commonly known as the cost of living.
 - g. The overall compensation presently received by the employees, including direct wage compensation, vacations, holidays, and other excused time, insurance and pensions, medical and hospitalization benefits, the continuity and stability of employment, and all other benefits received.
 - h. Any other facts that are normally or traditionally taken into consideration in making the findings and recommendations, including, but not limited to:
 - (i.) Maintaining appropriate compensation relationships between classifications and positions within the District;
 - (ii.) Other legislatively determined and projected demands on District resources (i.e., budgetary priorities as established by the Board of Directors);
 - (iii.) Allowance for equitable compensation increases for other employees and employee groups for the corresponding fiscal period(s);
 - (iv.) Revenue projections not to exceed currently authorized tax and fee rates for the relevant fiscal year(s);
 - (v.) Assurance of sufficient and sound budgetary reserves; and

(vi.) Constitutional, statutory, and local limitations on the level and use of revenues and expenditures.

(43) Within thirty (30) days after the appointment of the fact-finding panel, or, upon agreement by both parties within a longer period, the panel shall make written findings of fact and ~~advisory~~ recommended terms of settlement, which shall be advisory only for the resolution of the issues in dispute, which shall be presented in terms of the criteria and limitations specified above. Any member of a fact-finding panel shall be accorded the right to file dissenting written findings of fact and recommendations. The fact-finder or chairperson of the fact-finding panel shall serve such findings and recommendations on the District and the designated representative of the Exclusively Recognized Employee Organization before they are made available to the public.

(gf) If the parties have not resolved the impasse within ten (10) days after service of the findings and recommendations upon them, the District shall make the findings and recommendations public.

(hg) After any applicable mediation and fact-finding procedures have been exhausted, but no earlier than ten (10) days after the fact-finders' written findings of fact and recommended terms of settlement have been submitted to the parties, the Board of Directors may after holding a public hearing regarding the impasse, implement in its discretion its last, best and final offer, but shall not implement a memorandum of understanding. The unilateral implementation of a public agency's last, best, and final offer shall not deprive a recognized employee organization of the right each year to meet and confer on matters within the scope of representation, whether or not those matters are included in the unilateral implementation, prior to the adoption by the public agency of its annual budget, or as otherwise required by law. and take such action regarding the impasse as in its discretion it deems appropriate to the public interest, including implementation of the District's last, best and final offer. Any legislative action by the District on the impasse shall be final and binding.

Section ~~20187~~. Costs of Impasse Procedures.

The costs for the services of a mediator and a chairperson of a fact-finding panel utilized by the parties, and other mutually incurred costs of mediation and fact-finding, shall be borne equally by the District and the Exclusively Recognized Employee Organization. The chairperson's per diem fees shall not exceed the per diem fees stated on the chairperson's resumé on file with PERB. The chairperson's bill showing the amount payable by the parties shall accompany his or her final report to the parties and PERB. The cost for a fact-finding panel member selected by each party, and other separately incurred costs, shall be borne by such party.

Article V. Miscellaneous Provisions

Section ~~21189~~. Construction.

This Resolution shall be administered and construed as follows:

Res. No. _____

- (a) Nothing in this Resolution shall be construed to deny to any person, employee, organization, the District, or any authorized officer, body or other representative of the District, the rights, powers and authority granted by Federal or State law.
- (b) This Resolution shall be interpreted so as to carry out its purposes as set forth in Article I.

Section ~~20~~22~~19~~. Severability.

If any provision of this Resolution, or the application of such provision to any persons or circumstance, shall be held invalid, the remainder of this Resolution, or the application of such provision to persons or circumstances other than those as to which it is held invalid, shall not be affected thereby.

RESOLUTION NO. _____

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT ADOPTING REVISED RULES AND REGULATIONS GOVERNING EMPLOYER-EMPLOYEE ORGANIZATION RELATIONS AND RESCINDING RESOLUTION NO. 12-14

WHEREAS, in July 1970, the Valley Community Services District enacted Ordinance No. 83 to establish local rules and regulations governing employer-employee organization relations to implement Sections 3500-3510 of the California Government Code (the Meyers-Milias-Brown Act, or “MMBA”); and

WHEREAS, in 1977, the Valley Community Services District adopted its current name, Dublin San Ramon Services District (“District”); and

WHEREAS, the District adopted new Rules and Regulations Governing Employer-Employee Organization Relations on March 19, 2002, and repealed Ordinance No. 83; and

WHEREAS, the District adopted new Rules and Regulations Governing Employer-Employee Organization Relations on May 3, 2004, due to significant changes to the MMBA in late 2002 and rescinded Resolution No. 11-02; and

WHEREAS, the District reviewed and revised the Rules and Regulations Governing Employer-Employee Organization Relations on December 15, 2009, and rescinded Resolution No. 17-04; and

WHEREAS, the District reviewed and revised the Rules and Regulations Governing Employer-Employee Organization Relations on March 4, 2014, due to significant changes to the MMBA in October 2011 and rescinded Resolution No. 69-09; and

WHEREAS, the District’s policy is to review all Board policies every four years to ensure consistency with applicable regulations and update accordingly to reflect changes in law and/or for ease of use and efficiency; and

WHEREAS, the District has recently completed a review of its local rules and regulations governing its employer-employee organization relations and now desires to adopt revised Rules and Regulations Governing Employer-Employee Organization Relations to improve clarity and transparency of the requirements specified within the policy.

Res. No. _____

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

1. The policy set forth in Exhibit "A" attached hereto shall govern the District's employer-employee relations pursuant to the MMBA.
2. Resolution No. 12-14, attached as Exhibit "B", is hereby rescinded.

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 7th day of May, 2019, and passed by the following vote:

AYES:

NOES:

ABSENT:

Madelyne A. Misheloff, President

ATTEST: _____
Nicole Genzale, District Secretary

EXHIBIT A

RULES AND REGULATIONS GOVERNING EMPLOYER-EMPLOYEE ORGANIZATION RELATIONS FOR THE DUBLIN SAN RAMON SERVICES DISTRICT

Article I. General Provisions

Section 1. Statement of Purpose.

This Resolution implements Chapter 10, Division 4, Title 1 of the Government Code of the State of California (Sections 3500, *et seq.*) captioned "Local Public Employee Organizations" (also referred to as the Meyers-Milias Brown Act [MMBA]) by providing orderly procedures for the administration of employer-employee relations between the District and its employee organizations and the employees they represent. It is the purpose of this Resolution to provide procedures for meeting and conferring in good faith with Recognized Employee Organizations regarding matters that directly affect and primarily involve the wages, hours and other terms and conditions of employment of employees in appropriate units and that are not preempted by Federal or State law. However, nothing herein shall be construed to restrict any legal or inherent exclusive District rights with respect to matters of general legislative or managerial policy, which include among others: the exclusive right to determine the mission of its constituent departments; set standards of service; determine the procedures and standards of selection for employment; direct its employees; take disciplinary action; relieve its employees from duty because of lack of work or for other lawful reasons; determine the content of job classifications; maintain the efficiency of operations; determine the methods, means and personnel by which operations are to be conducted; take all necessary actions to carry out its mission in emergencies; and exercise complete control and discretion over its organization and the technology of performing its work (as defined in Article III, Section 17).

Section 2. Definitions.

As used in this Resolution, the following terms shall have the meanings indicated:

- (a) "Appropriate Unit" or "Unit" means a unit of employee classifications or positions, established pursuant to Article II hereof.
- (b) "District" means Dublin San Ramon Services District, and, where appropriate herein, refers to the Board of Directors, or any duly authorized District representative as herein defined.
- (c) "Confidential Employee" means any employee who, in the course of his or her duties, has access to confidential information relating to the District's administration of employer-employee relations.
- (d) "Consult/Consultation in Good Faith" means to communicate orally or in writing with all affected exclusively recognized employee organizations for the purpose of presenting and obtaining views or advising of proposed actions in a good faith effort to reach a consensus; and, as distinguished from meeting and conferring in good faith regarding matters within the required scope of such meet and confer process, does not involve an exchange of proposals and counter-proposals with an exclusively recognized employee organization in an endeavor to reach agreement in the form of a Memorandum of Understanding, nor is it subject to Article IV hereof.
- (e) "Day" means calendar day unless expressly stated otherwise.
- (f) "Employee" means any person employed by the District, except those who are: (1) elected officials; (2) persons employed by contract with a third party agency or company; and (3) independent contractors.

- (g) "Employee Organization" means either any organization that includes District employees and that has as one of its primary purposes representing those employees in their relations with the District; or any organization that seeks to represent District employees in their relations with the District.
- (h) "Employee Relations Officer" means the General Manager or his/her duly authorized representative(s).
- (i) "Exclusively Recognized Employee Organization" means an employee organization which has been formally acknowledged by the District as the sole employee organization representing the employees in an appropriate representation unit pursuant to Article II hereof, having the exclusive right to meet and confer in good faith concerning statutorily required subjects pertaining to unit employees, and thereby assuming the corresponding obligation of fairly representing such employees.
- (j) "Impasse" means that the representatives of the District and an Exclusively Recognized Employee Organization have reached a point in their meeting and conferring in good faith where their differences on matters to be included in a Memorandum of Understanding, and concerning any other matters of which they are required to meet and confer, remain so substantial and prolonged that further meeting and conferring would be futile.
- (k) "Management Employee" means an employee having significant responsibility for formulating, administering, or managing the implementation of District policies and programs, or managing Departments, major divisions of Departments or of functions, or any employee having authority to in the interest of the District, to hire, transfer, suspend, lay off, recall, promote, discharge, assign, reward, or discipline other employees, or responsibility to direct them, or to adjust their grievances, or evaluate their performance, or effectively to recommend such action if, in connection with the foregoing, the exercise of such authority is not of a merely routine or clerical nature, but requires the use of independent judgment.
- (l) "Mediation" means effort by an impartial third party to assist in reconciling a dispute regarding wages, hours and other terms and conditions of employment between representatives of the Dublin San Ramon Services District and the Exclusively Recognized Employee Organization through interpretation, suggestion, and advice.
- (m) "Memorandum of Understanding" (or "MOU") means a written agreement between the District and an exclusively recognized employee organization regarding wages, hours and working conditions within the scope of representation. MOUs shall not be valid or enforceable unless and until adopted by the Board of Directors.
- (n) "Professional Employee" means an employee engaged in work requiring specialized knowledge and skills attained through completion of a prolonged and recognized course of specialized instruction in an institution of higher learning or a hospital, - as distinguished from a general academic education, from an apprenticeship, or from training in the performance of routine mental, manual, or physical processes,- including, but not limited to, attorneys, physicians, architects, engineers, teachers, registered nurses, and various types of physical, chemical, and biological scientists.
- (o) "Proof of Employee Support" means (1) an authorization card recently signed and personally dated by an employee; (2) a verified authorization petition or petitions recently signed and personally dated by an employee or employees; or (3) employee dues deduction authorization, using the payroll register for the period immediately prior to the date a petition is filed hereunder, except that dues deduction authorizations for more than one employee organization for the account of any one employee shall not be considered as proof of employee support for any employee organization. The only authorization which shall be considered as proof of employee support hereunder shall be the authorization last signed by an employee. The words "recently signed" shall mean within sixty (60) days prior to the filing of a petition.
- (p) "Supervisory Employee" means any employee having authority, in the interest of the District, to hire, transfer, suspend, lay off, recall, promote, discharge, assign, reward, or discipline other employees, or

responsibility to direct them, or to adjust their grievances, or evaluate their performance, or effectively to recommend such action if, in connection with the foregoing, the exercise of such authority is not of a merely routine or clerical nature, but requires the use of independent judgment.

- (q) "Working Days" means the days that the Public Employment Relations Board is open for business.

Article II. Unit Determination and Representation Proceedings

Section 3. Policy and Standards for Determination of Appropriate Units.

The policy objectives in determining the appropriateness of units shall be the effect of a proposed unit on (1) the efficient operations of the District including the compatibility of the unit with the mission of the District and the unit's impact on the District's ability to effectively and economically serve the public; and (2) providing employees with effective representation based on recognized community of interest considerations. These policy objectives require that the appropriate unit shall be the broadest feasible grouping of positions that share an identifiable community of interest. Factors to be considered may include:

- (a) Similarity of the general kinds of work performed, types of qualifications required, and the general working conditions.
- (b) History of representation in the District and similar employment; except however, that no unit shall be deemed to be an appropriate unit solely on the basis of the extent to which employees in the proposed unit have organized.
- (c) Consistency with the organizational structure of the District.
- (d) The effect of differing legally mandated impasse resolution procedures.
- (e) Number of employees and classifications, and the effect on the administration of employer-employee relations created by the fragmentation of classifications and proliferation of units.
- (f) Effect on the classification structure and impact on the stability of the employer-employee relationship of dividing single or related classifications among two or more units.
- (g) The application and consistency of wage, hour and benefit packages within the bargaining unit.
- (h) Specific legal requirements, such as the rights of professional employees to form their own bargaining units.

Notwithstanding the foregoing provisions of this Section, managerial, supervisory and confidential responsibilities, as defined in Section 2 of this Resolution, are determining factors in establishing appropriate units hereunder, and therefore such managerial, supervisory and confidential employees may only be included in units that do not include non-managerial, non-supervisory and non-confidential employees. Managerial, supervisory and confidential employees may not represent any employee organization that represents other employees.

Section 4. Procedure for the Establishment of Appropriate Units.

The Employee Relations Officer shall have the authority to establish Appropriate Units, pursuant to the provisions of Section 3 of Article II. Whenever the Employee Relations Officer establishes an Appropriate Unit, he/she shall give written notice of such action to the affected employees and/or employee organizations, if any. Thereafter, an affected employee organization may appeal the Employee Relations Officer's

determination pursuant to the provisions of Section 6 of this Article II.

Following final determination of the Employee Relations Officer establishing an Appropriate Unit, employee organizations may file Recognition Petitions pursuant to Section 7 of this Article II, seeking to become the Exclusively Recognized Employee Organization for such unit.

Section 5. Procedure for Modification of Established Appropriate Units.

Bargaining unit modifications may be initiated by: (a) the District; (b) a group of employees; or (c) a recognized employee organization.

- (a.) District-initiated unit modifications: The District may initiate a modification of its unit structure, including the creation of new units, or the reallocation of classifications from one bargaining unit to another bargaining unit. The District shall provide written notice of the proposed modification, at which time all affected employee organizations shall be heard. After a final determination is made, the Employee Relations Officer will give written notice and call a meeting with all affected recognized employee organizations, for the purposes of providing all parties with copies of the Employee Relations Officer's decision in writing. Within ten (10) days of notice regarding the Employee Relations Officer's determination to modify a bargaining unit, or reallocate classifications, an affected recognized employee organization may submit an appeal to the Employee Relations Officer as provided in Section 6 of this Article II. If a unit is modified pursuant to the motion of the Employee Relations Officer hereunder, employee organizations may thereafter file Recognition Petitions seeking to become the Exclusively Recognized Organization for such new appropriate unit or units pursuant to Section 7 hereof.
- (b.) Employee and recognized employee organization-initiated modifications: An employee, group of employees, or a recognized employee organization may request that a unit be modified, or that one or more classifications be reallocated to a new or existing bargaining unit. Such request may be filed only during the time-period specified in Section 11. The District shall provide notice to all affected employee organizations upon receipt of such a request. The request must be accompanied by documentation, dated no later than six months earlier than the request, showing that at least thirty percent (30%) of the employees in the classification(s) proposed to be reallocated to another unit, support the request. The request should also contain a statement of all the relevant facts in support of the proposed modified unit.
 - (i) The Employee Relations Officer may exercise discretion to deny the request in the event the criteria in Section 3 and Section 7 of this Resolution suggest to the Employee Relations Officer that the modification or reallocation is inappropriate. The Employee Relations Officer shall provide notice of the rejection to all affected employee organizations promptly after such determination.
 - (ii) If the Employee Relations Officer determines that the modification or reallocation of a unit is consistent with the criteria listed in Section 3 and Section 7, the Employee Relations Officer shall further process the request. If the Employee Relations Officer determines that a new unit or reallocation is appropriate, the Employee Relations Officer shall provide notice to all affected employee organizations in the District. If no protest is filed within ten (10) days, the Employee Relations Officer shall promptly reassign affected classifications to the new unit or reallocate the classifications to an existing bargaining unit. In the event of an assignment to a newly created bargaining unit, the Employee Relations Officer shall also notify the employees of their rights under this Resolution, including the right to select an employee organization of their choice for the purpose of meeting and conferring with the District regarding wages, hours and working condition under the MMBA.
 - (iii) Within ten (10) days of notice regarding the Employee Relations Officer's determination to modify a bargaining unit, or reallocate classifications, an affected recognized

employee organization may submit an appeal to the Employee Relations Officer as provided in Section 6 of this Article II.

Section 6. Appeals of Appropriate Unit Determinations and Unit Modifications.

An employee organization aggrieved by the establishment or modification of an Appropriate Unit by the Employee Relations Officer pursuant to the provisions of this Article II may, within ten (10) days of notice thereof, file a written appeal with the Employee Relations Officer. Such appeal shall specify the provisions of this Article II to have been violated and the corrective action requested.

The Employee Relations Officer shall provide in writing his/her final determination within ten (10) days of receipt of the appeal. Either the employee organization or the Employee Relations Officer may request to meet with the other to discuss the appeal. If such a meeting is requested, it shall take place. If the parties meet, the Employee Relations Officer shall provide his/her final determination in writing within ten (10) days following the meeting.

The employee organization has ten (10) days after notice of the Employee Relations Officer's final determination to request that the matter be submitted for mediation to the California State Mediation and Conciliation Service (CSMCS), or fifteen (15) days to appeal the decision directly to the Board of Directors.

The request shall be made in writing to the Employee Relations Officer. If the employee organization chooses mediation and those efforts fail, the employee organization has ten (10) days from termination of the mediation to appeal to the Board. Such an appeal shall be filed in writing with the Board President and a copy thereof served on the Employee Relations Officer. The Board of Directors shall commence to consider the matter within thirty (30) days of the filing of the appeal and shall render a decision within sixty (60) days of the filing of the appeal. The Board of Directors may, at its discretion, refer the dispute to a neutral third party, such as an appointed hearing officer, who shall conduct a hearing and provide an advisory decision to the Board. Any decision of the Board of Directors on the use of such procedure, and/or any decision of the Board of Directors determining the substance of the dispute shall be final and binding.

If, at any stage of this appeal process, the employee organization fails to comply with the time limits contained herein, the appeal shall be deemed to have been resolved based upon the last response/action of the District. If, at any stage of this appeal process, the District fails to comply with the time limits contained herein, the employee organization may advance the appeal to the next level. Nothing herein is intended to prohibit the parties from waiving and/or modifying these time limits by mutual agreement. Such waivers shall be in writing to a date certain.

Section 7. Filing of Recognition Petition by Employee Organization.

An employee organization that seeks to be formally acknowledged as the Exclusively Recognized Employee Organization representing the employees in an appropriate unit shall file a petition with the Employee Relations Officer containing the following information and documentation:

- (a) Name, address, and telephone number of the employee organization.
- (b) Names and titles of the employee organizations' officers.
- (c) Names, telephone numbers, and email addresses of employee organization representatives who are authorized to speak on behalf of the organization.
- (d) A statement that the employee organization has, as one of its primary purposes, the responsibility of representing employees in their employment relations with the District.
- (e) A statement whether the employee organization is a chapter of, or affiliated directly or indirectly in any manner, with a local, regional, state, national or international organization, and, if so, the name

and address of each such other organization.

- (f) Certified copies of the employee organization's constitution and bylaws.
- (g) A designation of those persons, not exceeding two in number, and their addresses, to whom notice sent by regular United States mail will be deemed sufficient notice on the employee organization for any purpose.
- (h) A statement that the employee organization has no restriction on membership based on race, color, creed, sex, national origin, age, religion, sexual orientation, mental or physical disability, or medical condition or any other trait protected by federal, state and local law.
- (i) A description of the proposed appropriate unit, including the job classifications or position titles of employees in the unit claimed to be included and those excluded (appropriate), and the approximate number of employees therein.
- (j) A statement that the employee organization has in its possession proof of employee support as defined herein to establish that a majority of the employees in the unit claimed to be appropriate have designated the employee organization to represent them in their employment relations with the District. Such written proof shall be submitted for confirmation to the Employee Relations Officer or to a mutually agreed upon disinterested third party. In the case of a unit modification, the petition shall state that the signing employees support the request for the unit modification.
- (k) A request that the Employee Relations Officer formally acknowledge the petitioner as the Exclusively Recognized Employee Organization representing the employees in the unit claimed to be appropriate for the purpose of meeting and conferring in good faith.

The Petition, including the proof of employee support and all accompanying documentation, shall be declared to be true, correct and complete, under penalty of perjury, by the duly authorized officer(s) of the employee organization executing it.

Section 8. District Response to Recognition Petition.

Upon receipt of the Petition, the Employee Relations Officer shall determine whether:

- (a) There has been compliance with the requirements of Section 7 of this Article II, and
- (b) The representation unit has been determined to be an appropriate unit in accordance with the provisions of Sections 3 and 4 of this Article II.

If the Employee Relations Officer determines that the foregoing two conditions have been satisfied, he/she shall so inform the petitioning employee organization, shall give written notice of such request for recognition to the employees in the unit and shall take no action on said request for thirty (30) days thereafter. If either of the foregoing conditions has not been satisfied, the Employee Relations Officer shall offer to consult thereon with such petitioning employee organization and, if such determination thereafter remains unchanged, shall inform that organization of the reasons therefore in writing. The petitioning employee organization may appeal such determination in accordance with Section 6 of this Article II.

Granting Recognition without an Election. If the proof of support shows that a majority of the employees in the appropriate unit has designated the petitioning employee organization to represent them, and if no other employee organization filed a challenging petition, the petitioning employee organization and the Employee Relations Officer shall request the California State Mediation and Conciliation Service, or another agreed upon neutral third party, to review the count, form, accuracy and propriety of the proof of support. If the neutral third party makes an affirmative determination, the Employee Relations Officer shall formally acknowledge the petitioning employee organization as the Exclusive Recognized Employee Organization for the designated unit.

Section 9. Open Period for Filing Challenging Petition.

Within thirty (30) days of the date written notice was given to affected employees that a valid recognition petition for an appropriate unit has been filed, any other employee organization may file a competing request to be formally acknowledged as the exclusively recognized employee organization of the employees in the same or in an overlapping unit (one which corresponds with respect to some but not all of the classifications or positions set forth in the recognition petition being challenged) by filing a recognition petition evidencing proof of employee support in the unit claimed to be appropriate of at least thirty percent (30%) and otherwise in the same form and manner as set forth in Section 7 of this Article II. If such challenging petition seeks establishment of an overlapping unit, the Employee Relations Officer shall call for a hearing on such overlapping petitions for the purpose of ascertaining the more appropriate unit, at which time the petitioning employee organizations shall be heard. Thereafter, the Employee Relations Officer shall determine the appropriate unit or units in accordance with the standards in Section 3 of this Article II. The petitioning employee organizations shall have fifteen (15) days from the date of notice if such unit determination is communicated to them by the Employee Relations Officer to amend their petitions to conform to such determination or to appeal such determination pursuant to Section 6 of this Article II.

Section 10. Election Procedure.

The Employee Relations officer shall arrange for a secret ballot election to be conducted by a third party agreed to by the Employee Relations Officer and the concerned employee organization(s), in accordance with its rules and procedures subject to the provisions of this Resolution. Should the parties fail to reach agreement upon a third party, the California State Mediation and Conciliation Service shall be the neutral third party and shall verify the exclusive or majority status of the employee organization. All employee organizations that have duly submitted petitions that have been determined to be in conformance with this Article II shall be included as a choice on the ballot. The ballot shall also reserve to employees the option of having "No Representation." Employees entitled to vote in such election shall be those persons employed in regular permanent positions within the designated appropriate unit who are employed on the date of the election and who were employed during the pay period immediately prior to the date of the election, but which ended at least fifteen (15) days before the date the election commences. Voters shall include employees who did not work during such period because of illness, vacation or other authorized leaves of absence. An employee organization shall be formally acknowledged as the Exclusively Recognized Employee Organization for the designated appropriate unit following an election or run-off election if it receives a numerical majority of all valid votes cast in the election. In an election involving three or more choices, where none of the choices receives a majority of the valid votes cast, a run-off election shall be conducted only between the two choices receiving the largest number of valid votes cast, the rules governing an initial election being applicable to a run-off election.

There shall be no more than one (1) valid election under this Resolution pursuant to any petition in a twelve (12) month period affecting the same unit.

In the event that the parties are unable to agree on a third party to conduct an election, the election shall be conducted by the State Mediation and Conciliation Service.

Costs of conducting elections shall be borne in equal shares by the District and by each employee organization appearing on the ballot.

Section 11. Procedure for Decertification of Exclusively Recognized Employee Organization.

A Decertification Petition alleging that the incumbent Exclusively Recognized Employee Organization no longer represents a majority of the employees in an established appropriate unit may be filed with the Employee Relations Officer only during the thirty (30) day period commencing October 1 of each calendar year. In accordance with the MMBA, decertification may not be requested during the first year after recognition of a unit. A Decertification Petition may be filed by two or more employees or their representative, or an employee organization, and shall contain the following information and documentation declared by the duly

authorized signatory under penalty of perjury to be true, correct and complete:

- (a) The name, address and telephone number of the petitioner and a designated representative authorized to receive notices or requests for further information.
- (b) The name of the established appropriate unit and of the incumbent Exclusively Recognized Employee Organization sought to be decertified as the representative of that unit.
- (c) An allegation that the incumbent Exclusively Recognized Employee Organization no longer represents a majority of the employees in the appropriate unit and any other relevant and material facts relating thereto.
- (d) Proof of employee support that at least thirty percent (30%) of the employees in the established appropriate unit no longer desire to be represented by the incumbent Exclusively Recognized Employee Organization. Such proof shall be submitted for confirmation to the Employee Relations Officer or to a mutually agreed upon disinterested third party within the time limits specified in the first paragraph of this Section.

The Employee Relations Officer shall initially determine whether the Petition has been filed in compliance with the applicable provisions of this Article II. If his/her determination is in the negative, he/she shall offer to consult thereon with the representative(s) of such petitioning employees or employee organization and, if such determination thereafter remains unchanged, shall return such Petition to the employees or employee organization with a statement of the reasons therefore in writing. The petitioning employees or employee organization may appeal such determination in accordance with Section 6 of this Article II. If the determination of the Employee Relations Officer is in the affirmative, or if his/her negative determination is reversed on appeal, he/she shall give written notice of such Decertification to the incumbent Exclusively Recognized Employee Organization and to unit employees.

The Employee Relations Officer shall thereupon arrange for a secret ballot election to be held on or about fifteen (15) days after the above notice to determine the wishes of unit employees as to the question of decertification. Such election shall be conducted in conformance with Section 10 of this Article II.

If, pursuant to Section 11, a different employee organization is formally acknowledged as the Exclusively Recognized Employee Organization or a majority of voting employees select "No Representation" in such organization (if any), the employees assigned to the unit in question and the District shall be bound by all the terms and conditions of any Memorandum of Understanding then in effect for its remaining term.

Section 12. Procedure for Severance Petition

An employee organization that seeks to become the Exclusively Recognized Employee Organization representing the employees of an appropriate unit consisting of a group of employees who are already members of an established representation unit shall file a petition with the Employee Relations Officer containing the following information and documentation declared by the duly authorized signatory under penalty of perjury to be true, correct, and complete:

- (a) Name, address, and telephone number of the employee organization.
- (b) Names and titles of the employee organization's officers.
- (c) Names, telephone numbers, and email addresses of employee organization representatives who are authorized to speak on behalf of the organization.
- (d) A statement that the employee organization has, as one of its primary purposes, the responsibility of representing employees in their employment relations with the District.

- (e) A statement whether the employee organization is a chapter of, or affiliated directly or indirectly in any manner, with a local, regional, state, national, or international organization, and, if so, the name and address of each such organization.
- (f) Certified copies of the employee organization's constitution and bylaws.
- (g) A designation of those persons, not exceeding two in number, and their addresses to whom notice sent by regular United States mail will be deemed sufficient notice on the employee organization for any purpose.
- (h) A statement that the employee organization has no restriction on membership based on race, color, creed, sex, national origin, age, religion, sexual orientation, mental or physical disability, or medical condition and other traits as protected by federal, state, and local law.
- (i) A brief description and title of the established unit.
- (j) A description of the proposed appropriate unit, including the job classifications or position titles of employees in the unit claimed to be included and those excluded (appropriate), and the approximate numbers therein.
- (k) The date on which the exclusive representative was recognized or certified;
- (l) The effective and expiration dates of the current memorandum of understanding, if any, covering employees in the established unit.
- (m) A statement that the employee organization has in its possession proof of employee support as defined herein to establish that a majority of the employees in the proposed unit claimed to be appropriate have designated the employee organization to represent them in their employment relations with the District. Such written proof shall be submitted for confirmation to the Employee Relations Officer or to a mutually agreed upon disinterested third party.
- (n) A request that the Employee Relations Officer formally acknowledge the petitioner as the Exclusively Recognized Employee Organization representing the employees in the proposed unit claimed to be appropriate for the purpose of meeting and conferring in good faith.

Whenever a memorandum of understanding exists, a severance petition must be filed during the "window period" which is the 29 day period that is less than 120 days but more than 90 days prior to the expiration date of a lawful memorandum of understanding.

Concurrent with the filing of a severance petition, the employee organization shall serve a copy of the petition, excluding any proof of support, on the exclusive representative of the established unit.

Section 13. District Response to Severance Petition

Upon receipt of the Petition, the Employee Relations Officer shall determine whether:

- (a) There has been compliance with the requirements of Section 12 of Article II, and
- (b) The representation unit has been determined to be an appropriate unit in accordance with the provisions of Sections 3 and 4 of Article II.

If the Employee Relations Officer determines that the foregoing two conditions have been satisfied, he/she shall so inform the petitioning employee organization, shall give written notice of such request for recognition to the employees in the unit and shall take no action on said request for thirty (30) days thereafter. If either of the foregoing conditions has not been satisfied, the Employee Relations Officer shall inform that organization of the reasons therefore in writing. The petitioning employee organization may appeal such determination in accordance with Section 6 of this Article II.

If the Employee Relations Officer denies a unit severance petition, a unit severance petition may not be filed regarding the same representation unit until twelve (12) months after the date the petition was denied.

Article III. Administration

Section 14. Submission of Current Information by Exclusively Recognized Employee Organizations.

All changes in the information filed with the District by an Exclusively Recognized Employee Organization under items (a) through (k) of its Recognition Petition under Section 7 of this Resolution shall be submitted in writing to the Employee Relations Officer within fourteen (14) days of such change.

Section 15. Employee Organization Activities -- Use of District Resources.

Access to District work locations and the use of District paid time, facilities, equipment and other resources by employee organizations and those representing them shall be authorized only to the extent provided for in Memoranda of Understanding and/or administrative procedures, shall be limited to lawful activities consistent with the provisions of this Resolution that pertain directly to the employer-employee relationship and not such internal employee organization business as soliciting membership, campaigning for office, and organizing meetings and elections during working time and shall not interfere with the efficiency, safety and security of District operations.

Section 16. Administrative Rules and Procedures.

The General Manager is hereby authorized to establish such rules and procedures as appropriate to implement and administer the provisions of this Resolution after consultation with affected employee organizations.

Section 17. District Rights.

Subject to the requirements of the Government Code (MMBA), the District retains its rights:

- (a) To determine the mission of each of its constituent departments and divisions;
- (b) To set standards of services offered to the public;
- (c) To determine the procedures and standards of selection for employment and promotion;
- (d) To direct its employee, take disciplinary action for proper cause and to determine the content of job classifications, and to relieve its employees from duty because of lack of work or for other lawful reasons;
- (e) To maintain the efficiency of District operations, determine the methods, means and personnel by which District operations are to be conducted;

- (f) To take all necessary actions to carry out its mission in emergencies and to exercise complete control and discretion over its organization and the technology of performing its work;
- (g) The exercise of such District rights by the District shall not preclude employees or their representatives from the exercise of their rights under the Government Code (MMBA) or under this resolution.

Article IV. Impasse Procedures

Section 18. Initiation of Impasse Procedures.

If the meet and confer process has reached impasse as defined in this Resolution, either party may initiate impasse procedures by filing with the other party a written request for an impasse meeting, together with a statement of its position on all unresolved issues. Once impasse is declared, a meeting between the parties shall then be scheduled promptly by the Employee Relations Officer. The purpose of this meeting shall be:

- (a) To review the position of the parties in a final effort to reach agreement; and
- (b) If this final effort does not result in an agreement, to discuss arrangements for the utilization of the impasse procedures provided herein.

Section 19. Impasse Procedures.

Mediation and Request for Factfinding

- (a) If the parties agree to submit the dispute to mediation, and agree on the selection of a mediator, the dispute shall be submitted to mediation. Selection of the mediator will be decided jointly by the District and the Exclusively Recognized Employee Organization. In the event that the District and the Exclusively Recognized Employee Organization are unable to agree on the selection of a mediator, the District will request the California State Mediation and Conciliation Service to appoint a mediator. All mediation proceedings shall be confidential. The mediator shall make no public recommendation, nor take any public position at any time concerning the issues.
- (b) If the parties participate in mediation, and if the mediator is unable to effect settlement of the dispute, the Exclusively Recognized Employee Organization may present a request to the Public Employment Relations Board ("PERB") to submit the impasse to fact-finding. This request by the Exclusively Recognized Employee Organization to submit the impasse to fact-finding must be made no sooner than 30 days, but no later than 45 days, following the selection of a mediator by the parties.
- (c) If the parties do not agree to participate in mediation, the Exclusively Recognized Employee Organization may present a request to PERB to submit the impasse to fact-finding no later than 30 days following the date that either party has provided the other a written notice of declaration of impasse.
- (d) If the Exclusively Recognized Employee Organization does not request fact-finding within the timeframes provided for above, the District may impose its last, best and final offer.
- (e) Within five (5) working days after PERB's determination that the request for fact-finding is sufficient, the District and the Exclusively Recognized Employee Organization shall each appoint one member to the panel. PERB shall, within five (5) working days after the parties appoint the two members to the panel, select a chairperson for the panel.

(f) The following constitute the jurisdictional and procedural requirements for fact-finding:

- (1) The panel shall, within ten (10) days after its appointment unless extended by the parties, meet with the parties or their representatives, either jointly or separately, and may make inquiries and investigations, hold hearings, and take any other steps it deems appropriate.
- (2) For the purposes of the hearings, investigations, and inquiries, the panel shall have the power to issue subpoenas requiring the attendance and testimony of witnesses and the production of evidence. The District shall furnish the panel, upon its request, with all records, papers, and information in their possession relating to any matter under investigation by or in issue before the panel.
- (3) Subject to the stipulations of the parties, the fact-finders shall consider, weigh and be guided by the following measures and criteria in arriving at their findings and recommendations:
 - a. State and federal laws that are applicable to the District.
 - b. The District's local rules, regulations, and resolutions and ordinances.
 - c. Stipulations of the parties.
 - d. The interests and welfare of the public, and the financial ability of the District.
 - e. Comparison of the wages, hours, and conditions of employment of the employees involved in the fact-finding proceeding with the wages, hours, and conditions of employment of other employees performing similar services in comparable public agencies.
 - f. The consumer price index for goods and services, commonly known as the cost of living.
 - g. The overall compensation presently received by the employees, including direct wage compensation, vacations, holidays, and other excused time, insurance and pensions, medical and hospitalization benefits, the continuity and stability of employment, and all other benefits received.
 - h. Any other facts that are normally or traditionally taken into consideration in making the findings and recommendations, including, but not limited to:
 - (i.) Maintaining appropriate compensation relationships between classifications and positions within the District;
 - (ii.) Other legislatively determined and projected demands on District resources (i.e., budgetary priorities as established by the Board of Directors);
 - (iii.) Allowance for equitable compensation increases for other employees and employee groups for the corresponding fiscal period(s);
 - (iv.) Revenue projections not to exceed currently authorized tax and fee rates for the relevant fiscal year(s);
 - (v.) Assurance of sufficient and sound budgetary reserves; and

(vi.) Constitutional, statutory, and local limitations on the level and use of revenues and expenditures.

- (4) Within thirty (30) days after the appointment of the fact-finding panel, or, upon agreement by both parties within a longer period, the panel shall make written findings of fact and recommended terms of settlement, which shall be advisory only for the resolution of the issues in dispute, which shall be presented in terms of the criteria and limitations specified above. Any member of a fact-finding panel shall be accorded the right to file dissenting written findings of fact and recommendations. The fact-finder or chairperson of the fact-finding panel shall serve such findings and recommendations on the District and the designated representative of the Exclusively Recognized Employee Organization before they are made available to the public.
- (g) If the parties have not resolved the impasse within ten (10) days after service of the findings and recommendations upon them, the District shall make the findings and recommendations public.
- (h) After any applicable mediation and fact-finding procedures have been exhausted, but no earlier than ten (10) days after the fact-finders' written findings of fact and recommended terms of settlement have been submitted to the parties, the Board of Directors may after holding a public hearing regarding the impasse, implement in its discretion its last, best and final offer, but shall not implement a memorandum of understanding. The unilateral implementation of a public agency's last, best, and final offer shall not deprive a recognized employee organization of the right each year to meet and confer on matters within the scope of representation, whether or not those matters are included in the unilateral implementation, prior to the adoption by the public agency of its annual budget, or as otherwise required by law. Any legislative action by the District on the impasse shall be final and binding.

Section 20. Costs of Impasse Procedures.

The costs for the services of a mediator and a chairperson of a fact-finding panel utilized by the parties, and other mutually incurred costs of mediation and fact-finding, shall be borne equally by the District and the Exclusively Recognized Employee Organization. The chairperson's per diem fees shall not exceed the per diem fees stated on the chairperson's resumé on file with PERB. The chairperson's bill showing the amount payable by the parties shall accompany his or her final report to the parties and PERB. The cost for a fact-finding panel member selected by each party, and other separately incurred costs, shall be borne by such party.

Article V. Miscellaneous Provisions

Section 21. Construction.

This Resolution shall be administered and construed as follows:

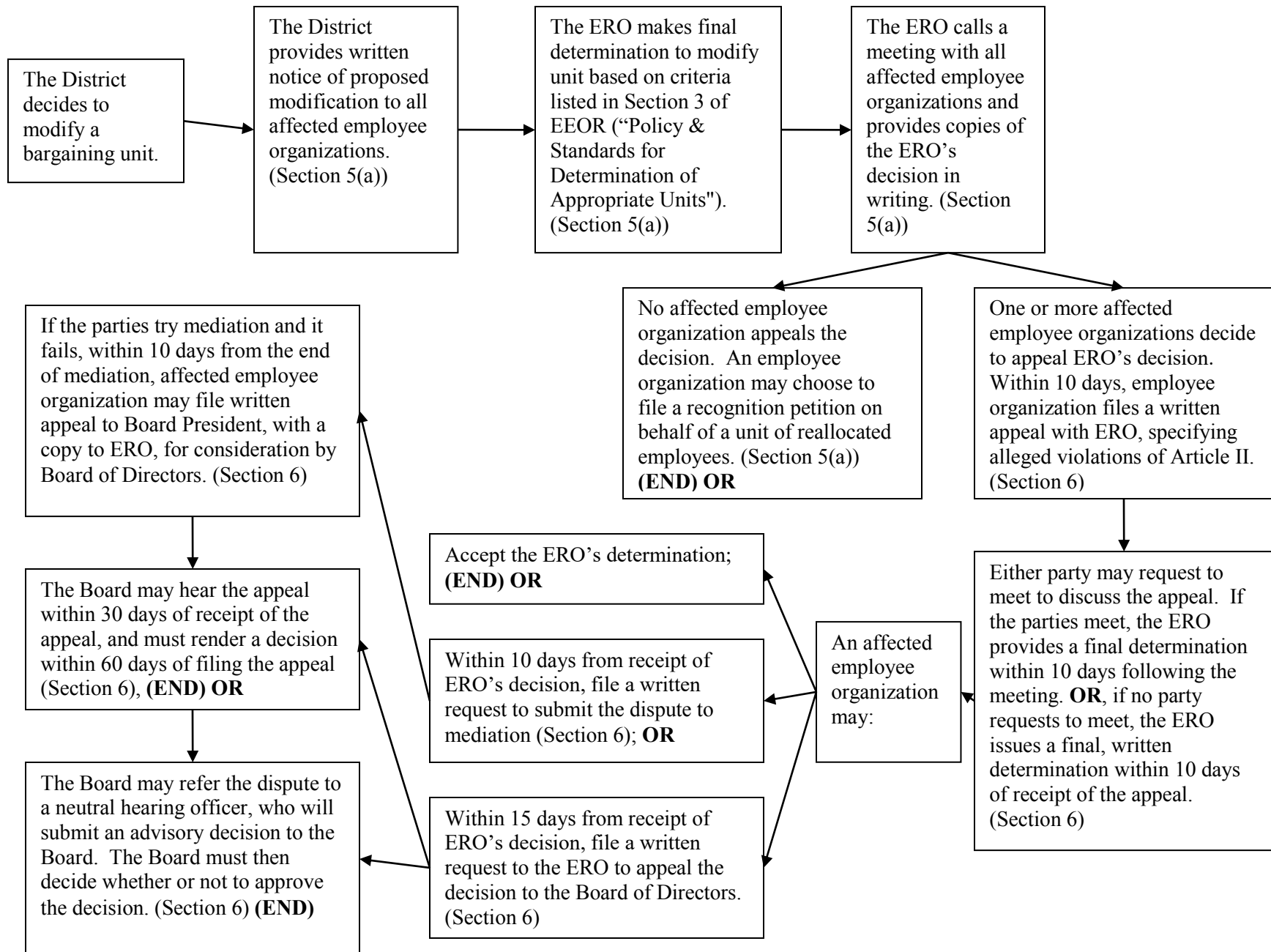
- (a) Nothing in this Resolution shall be construed to deny to any person, employee, organization, the District, or any authorized officer, body or other representative of the District, the rights, powers and authority granted by Federal or State law.
- (b) This Resolution shall be interpreted so as to carry out its purposes as set forth in Article I.

Section 22. Severability.

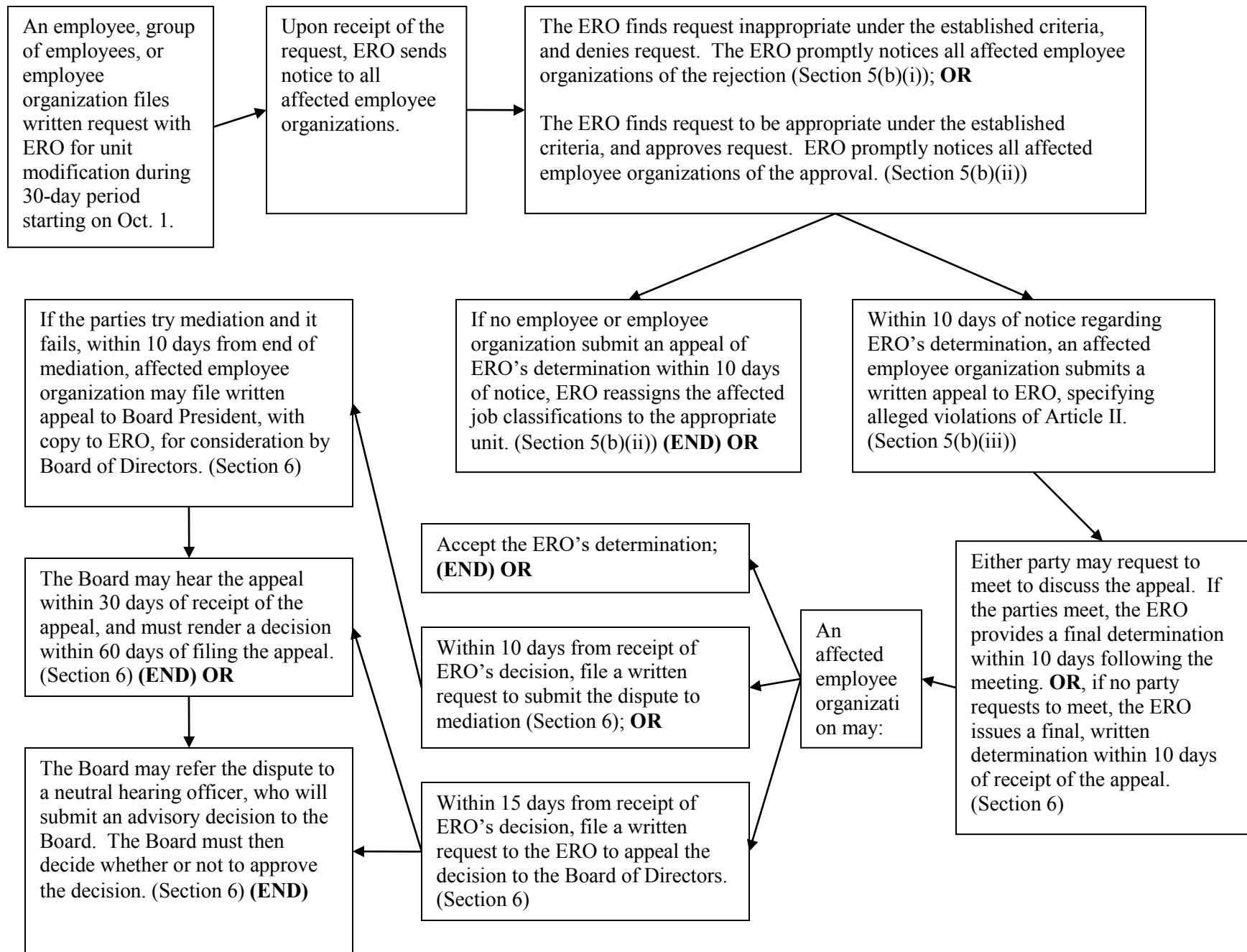
If any provision of this Resolution, or the application of such provision to any persons or circumstance, shall be held invalid, the remainder of this Resolution, or the application of such provision to persons or circumstances

other than those as to which it is held invalid, shall not be affected thereby.

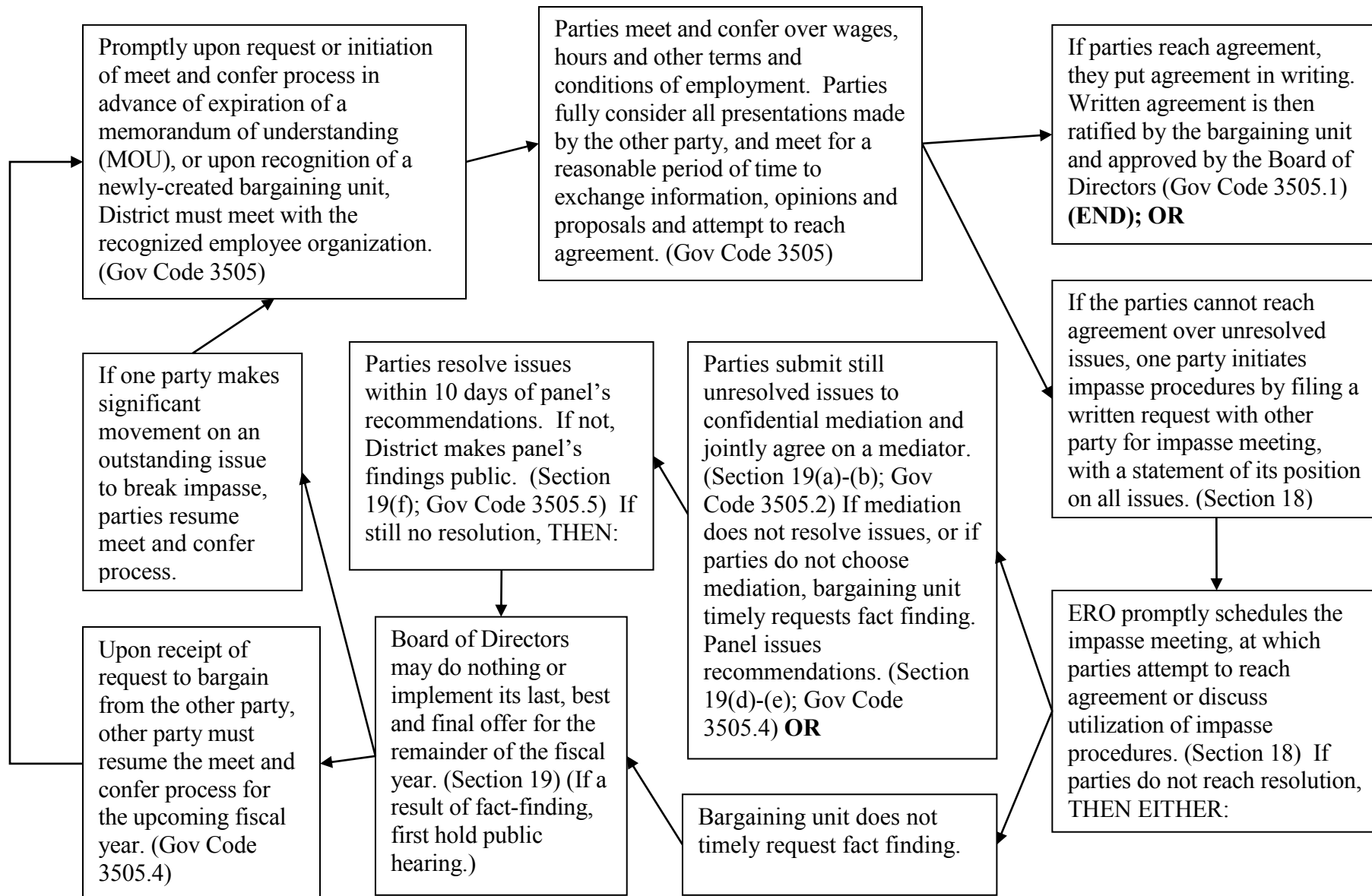
DISTRICT-INITIATED UNIT MODIFICATION



EMPLOYEE-INITIATED UNIT MODIFICATION



MEET AND CONFER PROCESS



RESOLUTION NO. 12-14**RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT ADOPTING REVISED RULES AND REGULATIONS GOVERNING EMPLOYER-EMPLOYEE ORGANIZATION RELATIONS AND RESCINDING RESOLUTION NO. 69-09**

WHEREAS, in July 1970, the Valley Community Services District enacted Ordinance No. 83 to establish local rules and regulations governing employer-employee organization relations to implement Sections 3500-3510 of the California Government Code (the Meyers-Milias-Brown Act, or "MMBA"); and

WHEREAS, in 1977, the Valley Community Services District adopted its current name, Dublin San Ramon Services District ("District"); and

WHEREAS, the District adopted new Rules and Regulations Governing Employer-Employee Organization Relations on March 19, 2002 and Repealed District Ordinance No. 83; and

WHEREAS, the District adopted new Rules and Regulations Governing Employer-Employee Organization Relations on May 3, 2004 due to significant changes to the MMBA in late 2002 and Rescinded Resolution No. 11-02; and

WHEREAS, District policy is to now review all Board policies every four years to ensure consistency with applicable regulations and update accordingly to reflect changes in law and/or for ease of use and efficiency; and

WHEREAS, the District has reviewed its local rules and regulations governing its employer-employee organization relations and now desires to adopt revised Rules and Regulations Governing Employer-Employee Organization Relations to incorporate language reflecting changes in the law related to impasse procedures consistent with that of the MMBA.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency in the Counties of Alameda and Contra Costa, California as follows, effective upon adoption of this Resolution.

(1) Resolution No. 69-09 is hereby rescinded.

Res. No. 12-14

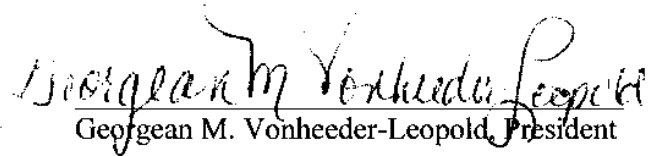
(2) The policies set forth in Exhibit "A" attached hereto shall govern the District's employer-employee relations pursuant to the MMBA.

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 4th day of March 2014, and passed by the following vote:

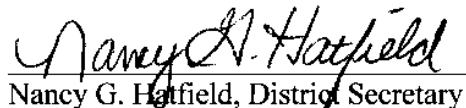
AYES: 5 - Directors Richard M. Halket, Edward R. Duarte, Dawn L. Benson,
D.L. (Pat) Howard, Georgean M. Vonheeder-Leopold

NOES: 0

ABSENT: 0


Georgean M. Vonheeder-Leopold, President

ATTEST:


Nancy G. Hatfield, District Secretary



TITLE: Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists

RECOMMENDATION:

Staff recommends the Board of Directors approve, by Motion, a continuation of the Emergency Action as declared in Board Resolution No. 53-18 and find that there exists a need for continuing the District Office flooding emergency which the Board last confirmed on April 16, 2019.

SUMMARY:

On Sunday, November 11, 2018, the District Office flooded due to a leak in the fire service line. The General Manager, as the District's Emergency Manager per the District's Emergency Response Plan policy, immediately proclaimed a District State of Emergency to reduce potential further property damage due to water exposure and to minimize the time to restore core business operations.

The District Office is closed for restoration and repair. Staff is requesting the Board of Directors find that there still exists a need for continuing the State of Emergency reflected by Board Resolution No. 53-18. Expedited action, including the emergency procurement of equipment, furnishings, services, supplies, and repairs, is necessary to bring about re-occupancy of the District Office by staff at the earliest opportunity, in order to restore normal operations and core services. Delay in restoration and repair will have an unacceptable adverse impact on the services provided by the District.

Further detail on the emergency and the current state of restoration is reflected in the attached staff report.

Originating Department: Engineering Services	Contact: J. Ching	Legal Review: N/A
Cost: \$0	Funding Source: Insurance Claim	
Attachments: <input type="checkbox"/> None <input checked="" type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)	53 of 257	

STAFF REPORT



District Board of Directors
May 7, 2019

Approve Continuation of Emergency Action Procurement by General Manager for Repair of the District Office and Find that the Need for the District Office Flooding Emergency Still Exists

BACKGROUND

On Sunday, November 11, 2018, the District Office flooded due to a leak in the fire service line. The General Manager, as the District's Emergency Manager per the District's Emergency Response Plan policy, immediately proclaimed a District State of Emergency to reduce potential further property damage due to water exposure and to minimize the time to restore core business operations. As the Emergency Manager, the General Manager is charged with managing all emergency operations and making decisions to allocate resources and expend funds as necessary to meet the needs of the emergency.

Per the District's Purchasing policy, in case of an emergency and in accordance with Public Contract Code Section 22050, the General Manager may let contracts for any amount without giving notice for bids for repair or replacement of a public facility, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services, and supplies for those purposes. On November 20, 2018, the Board of Directors adopted Resolution No. 53-18 approving emergency action procurement by the General Manager for restoration of the District Office. Per the Public Contract Code, at every regularly scheduled meeting after the initial emergency action, the Board is to review and determine by a four-fifths vote, that there is a need to continue the emergency action.

DISCUSSION

RESTORATION AND RENOVATION UPDATE

Because the District Office is over 27 years old and much of the building systems and furnishing are original, staff recommended completing a building renovation along with the flood restoration work. On February 14, 2019, the Board approved an amendment to the Capital Improvement Program (CIP) to add the District Office Renovation Project (CIP 19-A005). The restoration of the building will be paid for through an insurance claim, and the renovation work will be paid for through the CIP project.

The restoration of the subgrade and the floor slab in the southeast area of the building that was damaged by the flooding was completed by Overaa Construction on April 11, 2019.

Three task orders for the District Office Renovation Project have been issued to date. A task order for ID Architecture, in an amount not to exceed \$124,600 for design services, was executed on March 19, 2019. A second task order for Swinerton Builders, DBA Swinerton Management & Consulting, in an amount not to exceed \$366,178 for cost estimating and construction management services, was executed on the same date. Finally, a third task order for Sausal Corporation, in an amount not to exceed \$126,506 for pre-construction design services, was executed on April 11, 2019. Staff is working closely with the insurance adjuster to segregate the costs between restoration and renovation work.

Design is currently in progress. On April 16, 2019, ID Architecture submitted the 50% plans and specifications for review and comment. The 90% plans and specifications, which will include engineering drawings developed by the design-builder, is expected to be completed in mid-May 2019. Construction is anticipated to commence during the first quarter of fiscal year 2020.

NEED FOR CONTINUING EMERGENCY

The District Office is closed until further notice. Displaced District Office staff have been assigned to the Regional Wastewater Treatment Facility, the Field Operations Facility, the utility building behind the District Office, and Dublin City Hall. District administrative operations and customer service have been hampered in the following ways:

- The Board's customary meeting place for Board meetings is unavailable for use, inconveniencing the public who might wish to attend Board meetings;
- Customer service functions related to "in-person" bill payment have been suspended, because the Field Operations Facility where the Customer Services & Billing Division has been temporarily relocated to cannot accommodate in-person payment of water and sewer bills. Thus, one form of payment (in-person) is not available to the District's customers;
- There is minimal meeting space for staff for internal meetings, to meet with developer representatives and contractors, and to confer with other agency personnel;
- Work units in the Engineering Department, the Administrative Services Department, the Executive Services Division, and the Communications Division are located in inefficient and inconvenient locations at the Field Operations Facility, the Regional Wastewater Treatment Plant, and Dublin City Hall. The convenience of working in close proximity, with adequate work space, is hampered. Natural work efficiencies are degraded because of location of staff in scattered and inadequate work facilities;
- Many supervisory staff have lost use of their individual offices for confidential meetings pertaining to performance management, coaching, and recruiting;
- Through relocation of some District staff to the Field Operations Facility Training Room, space for large group training activities has been lost. Moreover, meeting space for regional meetings has been lost (neither the Boardroom nor the Field Operations Facility Training Room are available).

Based on the above consequences of the District Office being closed for restoration and repair, staff is requesting the Board of Directors find that there still exists a need for continuing the State of Emergency reflected by Board Resolution No. 53-18. Expedited action, including the emergency procurement of equipment, furnishings, services, supplies, and repairs, is necessary to bring about re-occupancy of the District Office by staff at the earliest opportunity, in order to restore normal operations and core services. Delay in restoration and repair will have an unacceptable adverse impact on the services provided by the District.

RECOMMENDATION

Staff recommends the Board of Directors approve, by Motion, a continuation of the State of Emergency as declared by Board Resolution No. 53-18 and find that there exists a need for continuing the District Office flooding emergency which the Board confirmed at the previous regularly scheduled meeting on April 16, 2019. A four-fifths vote by the Board of Directors is required to continue the State of Emergency.



TITLE: Approve Continuation of Emergency Action Procurement by General Manager for Repair of the Jeffrey G. Hansen Water Recycling Plant and Find that the Need for the Electrical Power Supply Failure Emergency Still Exists

RECOMMENDATION:

Staff recommends the Board of Directors approve, by Motion, a continuation of the Emergency Action as declared in Board Resolution No. 16-19 and find that there exists a need for continuing the electrical power supply failure emergency at the Jeffrey G. Hansen Water Recycling Plant which the Board last confirmed on April 16, 2019.

SUMMARY:

On Sunday April 7, 2019, a catastrophic power supply failure occurred at the Jeffrey G. Hansen Water Recycling Plant due to a ground fault in the external electrical buss ducting connecting the main transformer to switchgear in Building M. This loss of power primarily affected the Effluent Pumps (EPS2), the Tertiary Influent Pumps (TIPS), the recycled water ballasted flocculation and sand filters, and supervisory control and data acquisition (SCADA) equipment in Building M, reducing production output from the water recycling plant by approximately 80 percent.

Since April 7, the microfiltration process and potable water supplement were used to meet the distribution system demands. On April 15, a large emergency rental generator was connected and continues to power the west buss, allowing full operation of the water recycling plant without needing potable water. A safer replacement for the damaged buss ducting was identified, and a purchase order is in the process to complete the engineering drawings, fabrication, and installation. No further damage other than the buss ducting was identified at this time.

At a special Board meeting on April 16, 2019, the DERWA Board of Directors authorized emergency actions and expenditures necessary to make all repairs.

Originating Department: Operations	Contact: J. Carson	Legal Review: Not Required
Cost: To be determined	Funding Source: Water Replacement (Fund 610)	
Attachments: <input checked="" type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)	56 of 257	



TITLE: Second Reading: Adopt Ordinance Establishing the District's By-Division System for Electing Directors in Conformance with the California Voting Rights Act (CVRA)

RECOMMENDATION:

Staff recommends the Board of Directors waive, by Motion, the second reading of an Ordinance that will establish division-based elections for Directors for implementation in the 2020 Statewide General Election and set the sequencing for divisions in future elections, and adopt the Ordinance.

SUMMARY:

This item includes the second reading of the proposed ordinance to establish division-based elections for Dublin San Ramon Services District (District). The first reading was waived during the April 16 Board meeting at which the Ordinance was first introduced.

In response to a letter from Attorney Scott Rafferty threatening litigation, received on November 6, 2018, the Board of Directors (Board) adopted a resolution of intent to transition from at-large to division-based elections for Directors. The District undertook extensive community outreach efforts and held four public hearings. On April 2, 2019, the Board selected the final voting division boundary map ("Scarlet") for implementation in the 2020 Statewide General Election and determined the sequence of divisions in future elections (Divisions 1, 3, and 5 in 2020; and Divisions 2 and 4 in 2022).

Following the second reading of the ordinance, the Board will be asked to adopt the ordinance implementing those actions.

Originating Department: Office of the General Manager	Contact: C. Nelson/N. Genzale	Legal Review: Yes
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)	57 of 257	

ORDINANCE NO. _____

AN ORDINANCE OF DUBLIN SAN RAMON SERVICES DISTRICT TO ESTABLISH A BY-DIVISION SYSTEM FOR ELECTING DIRECTORS

WHEREAS, the Dublin San Ramon Services District (District) currently elects its Directors using an at-large election system; and

WHEREAS, in the at-large election system, candidates may live in any part of the District's service area and each Director is elected by the voters of the entire service area; and

WHEREAS, in a by-division election system, a candidate for the Board of Directors must live in the division which he or she wishes to represent, and only the voters of that division are entitled to vote to decide who their representative will be; and

WHEREAS, on November 6, 2018, the District received a demand letter from Scott Rafferty, Attorney at Law, asserting that the District's at-large system for electing Directors violates the California Voting Rights Act of 2001 ("CVRA") and threatening litigation if the District declines to voluntarily change to a division-based election system for electing Boardmembers; and

WHEREAS, the District denies that its at-large system for electing its Directors violates the CVRA or any other provision of law; and

WHEREAS, despite the foregoing, the Board of Directors has determined that the public interest would be served by transitioning to a division-based electoral system because of: 1) the extraordinary cost to defend against a CVRA lawsuit, 2) the risk of losing such a lawsuit which would require the District to pay the prevailing plaintiff's attorneys' fees, and 3) by following the procedures set forth in California Elections Code Section 10010 as amended by AB 350, the potential plaintiff's reimbursable costs and attorneys' fees would be capped at a maximum of \$30,000; and

WHEREAS, California Government Code Section 61025, part of the Community Services District Law, authorizes community services districts like the District to utilize an election process specified therein to transition to a "by-division" system from electing Directors, and specifies certain criteria to be considered by the Board in creating the divisions; and

WHEREAS, California Elections Code Section 10010 provides an alternative procedure for political subdivisions, including community services districts, to transition to a by-division system from electing Directors in furtherance of the purposes of the California Voting Rights Act of 2001 (Chapter 1.5 (commencing with Section 14025) of Division 14 of the California Elections Code), by holding a series of public hearings to obtain public input before completing the transition by adopting an ordinance; and

WHEREAS, California Elections Code Section 10010 permits a political subdivision and a prospective plaintiff to agree to extend the time periods set forth in that section and counsel for the

plaintiff agreed to extend the time period for adopting a resolution of intention to adopt a division-based election system to January 31, 2019 and to extend the time period for adopting an ordinance establishing the division boundaries and sequence of elections to June 1, 2019; and

WHEREAS, at its regular meeting on January 15, 2019, the Board of Directors adopted a resolution of intent to establish a by-division voting process pursuant to California Elections Code Section 10010 (including the provisions of subdivision (e)(3) thereof); and

WHEREAS, the change in the method of electing Directors of the Board of the District made by this ordinance is being made in furtherance of the purposes of the California Voting Rights Act of 2001, (including the implementation of the guarantees of Section 7 of Article I and of Section 2 of Article II of the California Constitution, as set forth in California Elections Code Section 14031; and

WHEREAS, under the provisions of California Elections Code Section 10010, a political subdivision that changes from an at-large method of election to a by-division method of election shall hold at least two (2) public hearings over a period of no more than thirty (30) days, at which the public is invited to provide input regarding the composition of the divisions before drawing a draft map or maps of the proposed boundaries of the divisions; and

WHEREAS, before any maps of the proposed boundaries of the divisions were drawn, the Board of Directors held two (2) public hearings on February 5, 2019, and February 19, 2019, respectively, at which time input from the public on the composition of the District divisions including criteria for determining division boundaries and the timing and sequence of implementing division elections was invited and heard; and

WHEREAS, at the public hearings on February 5, 2019, and February 19, 2019, the District considered all oral and written information, testimony, and comments received during the public review process, including information received at the public hearings, oral and written reports from District staff and the District's demographer, exhibits, maps, and all other pertinent information prior to acting on, or making recommendations on, the division elections process and composition of maps; and

WHEREAS, at the public hearing on February 19, 2019, the Board of Directors instructed its demographer to develop four (4) draft map options containing five (5) divisions each; and

WHEREAS, on March 6, 2019, consistent with the provisions of California Elections Code Section 10010, the District published and made available for release, all four (4) of the draft maps then under consideration, which were entitled "Yellow," "Red," "Green," and "Purple." In addition to the newspaper publication, on March 1, 2019, the four (4) draft maps were made available on the District's website and the public was invited to provide comment via the District's "ContactUs" public email, various social media announcements and polls, and by otherwise directly contacting District staff; and

WHEREAS, as required by California Elections Code Section 10010, the District held two additional hearings within a period of no more than forty-five (45) days, the first on March 19, 2019, and the second on April 2, 2019, at which the public was invited to provide input regarding the content of the draft maps, as well as the timing and sequence of division elections; and

WHEREAS, at the public hearing on March 19, 2019, the Board of Directors considered all oral and written information, testimony, and comments received through the public review process, including information received at the public hearings, oral and written reports from District staff and the District's demographer, exhibits, maps, and all other pertinent information prior to acting on, or making recommendations on, the content of the draft map or maps and the proposed timing and sequence of elections; and

WHEREAS, at the public hearing on March 19, 2019, the Board of Directors instructed its demographer to develop revisions to the "Yellow," "Red," and "Green" draft maps to include collection services in Division 1 ("Yellow" and "Red" maps), shift the proposed Contra Costa County boundary to Interstate 680 for Divisions 2 and 3 ("Red" and "Green" maps), and develop a new draft map option that shows an east to west orientation; and

WHEREAS, on March 26, 2019, consistent with the provisions of California Elections Code Section 10010, the District published and made available for release, the original four (4) maps, three (3) revised draft maps, respectively entitled "Canary," "Scarlet," and "Emerald," and a new map entitled "Navy." In addition to the newspaper publication, on March 22, 2019, the four (4) original maps, the three (3) revised draft maps, and the new map were all made available on the District's website, and the public was invited to provide comment via the District's "ContactUs" public email, various social media announcements and polls, and by otherwise directly contacting District staff; and

WHEREAS, at the public hearing on April 2, 2019, the Board of Directors considered all oral and written information, testimony, and comments received during the public review process, including information received at the public hearings, oral and written reports from District staff and the District's demographer, exhibits, maps, and all other pertinent information prior to acting on the revised draft map and the timing and sequence of elections; and

WHEREAS, at the public hearing on April 2, 2019, the Board of Directors voted to proceed with the "Scarlet" map attached hereto, and commence by-division elections in 2020 for Divisions 1, 3, and 5; and

WHEREAS, the purpose of this Ordinance is to enact, pursuant to California Elections Code Section 10010, an ordinance providing for the election of Directors of the Board of Directors of the Dublin San Ramon Services District by-division in five divisions to be created hereby.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT AS FOLLOWS:

SECTION 1. PURPOSE AND AUTHORITY.

The purpose of this Ordinance is to enact, pursuant to California Elections Code Section 10010, an ordinance providing for the election of members of the Board of Directors of the Dublin San Ramon Services District by five (5) single-member divisions. This Ordinance is adopted pursuant to the District's authority under California Elections Code Section 10010 and California Elections Code Section 10650. The change in the method of electing members of the legislative body is being made in furtherance of the purposes of the California Voting Rights Act of 2001 (Chapter 1.5 (commencing with Section 14025) of Division 14 of the California Elections Code).

SECTION 2. EFFECT OF ORDINANCE.

This Ordinance shall take effect thirty (30) days following its passage and adoption. In the event a summary of said Ordinance is published in lieu of the entire Ordinance, a certified copy of the full text of this Ordinance shall be posted in the office of the District Secretary at least five (5) days prior to its adoption and within fifteen (15) days after its adoption, including the vote of the Directors. Additionally, a summary prepared by the District General Counsel and District Secretary shall be published once at least five (5) days prior to the date of adoption of this Ordinance and once within fifteen (15) days after its passage and adoption, including the vote of the Directors, in the East Bay Times, a newspaper of general circulation within the Dublin San Ramon Services District.

SECTION 3. BY-DIVISION ELECTORAL SYSTEM FOR FIVE DIRECTORS.

(a) Pursuant to California Elections Code Sections 10010 and 10650, and California Government Code Section 61040, Directors shall be elected by-divisions in five (5) divisions.

(b) Except as provided in subdivision (c) hereof, the Director elected to represent a division must live in that division and be a registered voter in that division, and any candidate for Director must live in, and be a registered voter in, the division in which he or she seeks election at the time nomination papers are issued, pursuant to subdivision (b) of California Government Code Section 61040 and California Elections Code Section 10227.

(c) A Director in office at the time this ordinance takes effect shall continue in office until the expiration of the full term to which he or she was elected or appointed and until his or her successor is

qualified. If vacancies in Director offices elected at-large occur before expiration of the full term thereof, such vacancies may be filled according to law from the District at-large.

(d) Upon expiration of the full term of each Director elected at-large, that Director's successor shall be elected only on a by-division basis in the divisions established by this Ordinance. A vacancy in a Director office elected or appointed by-division shall be filled according to law by a person qualified to hold the office, who lives, and is a registered voter, in the division.

SECTION 4. DIVISIONS.

(a) Elections shall take place, and Directors shall be elected, "by-divisions" as that term is defined in California Government Code Section 61025, meaning one member of the division shall be elected from each division, by the voters of that division alone.

(b) The divisions are as follows:

District 1: All the portion of the Dublin San Ramon Services District lying easterly of the following described line: Beginning at the intersection of Bollinger Canyon Road and the northerly boundary of the Dublin San Ramon Services District, and proceeding easterly along Bollinger Canyon Road to Dougherty Road, and proceeding southerly along Dougherty Road to Oak Valley Drive, and proceeding westerly along Oak Valley Drive to Summit View Drive, and proceeding southerly along Summit View Drive to Old Ranch Road, and proceeding southwesterly along Old Ranch Road to Bent Creek Drive, and proceeding southeasterly along Bent Creek Drive to Austin Creek Avenue, and proceeding easterly along Austin Creek Avenue to Dougherty Road, and proceeding southerly along Dougherty Road to the northerly boundary of Alameda County, and proceeding northeasterly along the Alameda County boundary to the easterly boundary of the Dublin San Ramon Services District.

District 2: All the portion of the Dublin San Ramon Services District lying northerly of the following described line: Beginning at the intersection of Bollinger Canyon Road and the northerly boundary of the Dublin San Ramon Services District, and proceeding easterly along Bollinger Canyon Road to Dougherty Road, and proceeding southerly along Dougherty Road to Oak Valley Drive, and proceeding westerly along Oak Valley Drive to Summit View Drive, and proceeding southerly along Summit View Drive to Old Ranch Road, and proceeding southwesterly along Old Ranch Road to Bent Creek Drive, and proceeding southeasterly along Bent Creek Drive to Austin Creek Avenue, and proceeding easterly along Austin Creek Avenue to Dougherty Road, and proceeding southerly along Dougherty Road to the northerly boundary of Alameda County, and proceeding southwesterly along the Alameda County boundary to Village Parkway, and proceeding northwesterly along Village Parkway to Alcosta Boulevard,

and proceeding southwesterly along Alcosta Boulevard to Belle Meade Drive, and proceeding northerly along Belle Meade Drive to San Point Drive, and proceeding westerly along Sand Point Drive to Interlachen Avenue, and proceeding southerly along Interlachen Avenue to Davona Drive, and proceeding southerly along Davona Drive to the northerly boundary of Alameda County, and proceeding southwesterly along the Alameda County line to Interstate 680, and proceeding northwesterly along Interstate 680 to the northerly boundary of the Dublin San Ramon Services District.

District 3: All the portion of the Dublin San Ramon Services District lying westerly of the following described line: Beginning at the intersection of Interstate 680 and the southerly boundary of the Dublin San Ramon Services District, and proceeding northly along Interstate 680 to Amador Valley Boulevard, and proceeding easterly along Amador Valley Boulevard to Village Parkway, and proceeding northerly along Village Parkway to and proceeding northerly along Village Parkway to Alcosta Boulevard, and proceeding southwesterly along Alcosta Boulevard to Belle Meade Drive, and proceeding northerly along Belle Meade Drive to Sand Point Drive, and proceeding westerly along Sand Point Drive to Interlachen Avenue, and proceeding southerly along Interlachen Avenue to Davona Drive, and proceeding southerly along Davona Drive to the northerly boundary of Alameda County, and proceeding southwesterly along the Alameda County boundary to Interstate 680, and proceeding northwesterly along Interstate 680 to the northerly boundary of the Dublin San Ramon Services District.

District 4: All the portion of the Dublin San Ramon Services District lying southerly of the following described line: Beginning at the intersection of Interstate 680 and the southerly boundary of the Dublin San Ramon Services District, and proceeding northly along Interstate 680 to Amador Valley Boulevard, and proceeding easterly along Amador Valley Boulevard to Village Parkway, and proceeding northerly along Village Parkway to the northerly boundary of Alameda County, and proceeding northeasterly along the Alameda County boundary to the easterly boundary of the Camp Parks Military Reservation, and proceeding southerly along the easterly boundary of the Camp Parks Military Reservation to the boundary of the Dublin San Ramon Services District, and proceeding southwesterly along the boundary of the Dublin San Ramon Services District to Barnet Boulevard, and proceeding southerly along Barnet Boulevard to Gleason Drive, and proceeding westerly along Gleason Drive to Hacienda Drive, and proceeding southerly along Hacienda Drive to the southerly boundary of the Dublin San Ramon Services District.

District 5: All the portion of the Dublin San Ramon Services District lying easterly of the following described line: Beginning at the intersection of Hacienda Drive and the southerly boundary of the Dublin San Ramon Services District, and proceeding northly along Hacienda Drive to Gleason Drive, and proceeding easterly along Gleason Drive to Barnet Boulevard, and proceeding northerly along Barnet Boulevard to the boundary of the Dublin San Ramon Services District, and proceeding northeasterly along the boundary of the Dublin San Ramon Services District to the easterly boundary of the Camp Parks Military Reservation, and proceeding northerly along the easterly boundary of the Camp Parks Military Reservation to the northerly boundary of Alameda County, and proceeding northeasterly along the Alameda County boundary to the easterly boundary of the Dublin San Ramon Services District.

A map showing the divisions described in this Ordinance is attached hereto as Exhibit 1 and incorporated by this reference. To the extent there is a conflict between the descriptions contained in the Ordinance and the map incorporated herein, the map shall prevail. If necessary to facilitate the implementation of this Ordinance, the General Manager or his or her designee is authorized to make technical adjustments to the division boundaries that do not substantively affect the populations in the divisions or the eligibility of candidates. The General Manager shall consult with the District General Counsel concerning any technical adjustments deemed necessary and shall advise the Board of Directors of any such adjustments required in the implementation of the divisions.

(c) The divisions specified in subdivision (b) shall continue in effect until they are amended or repealed in accordance with law.

SECTION 5. ELECTION SCHEDULE.

(a) Directors from Divisions 1, 3, and 5 as so constituted shall be elected by division beginning at the Statewide General Election in November 2020, and every four years thereafter.

(b) Directors from Divisions 2 and 4 shall be elected by division beginning at the Statewide General Election in November 2022, and every four years thereafter.

SECTION 6. EXEMPTION FROM CEQA.

The Board of Directors finds that the actions taken in this Ordinance are exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to Title 14 of the California Code of Regulations, Section 15061(b)(3) because it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment.

SECTION 7. SEVERABILITY.

If any section, subsection, sentence, clause or phrase of this ordinance is for any reason held by a court of competent jurisdiction to be invalid, such a decision shall not affect the validity of the remaining portions of this ordinance. The Board of Directors of the Dublin San Ramon Services District hereby declares that it would have passed this ordinance and each section or subsection, sentence, clause and phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases be declared invalid.

SECTION 8. ADMINISTRATIVE IMPLEMENTATION.

The General Manager is authorized and directed to establish appropriate administrative procedures consistent with the provisions of this ordinance and to take reasonable and appropriate action to fully implement the provisions of this ordinance.

The General Manager, or the person or persons to whom such task may from time to time be delegated, is further authorized and directed to make further nonsubstantive administrative changes, as approved by District General Counsel, to the Ordinance (including revisions in formatting as may be suggested by the publisher) for consistency and ease of reference within sixty (60) days from the date of adoption.

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 7th day of May, 2019, by the following vote:

AYES:

NOES:

ABSENT:

Madelyne A. Misheloff, President

ATTEST: _____
Nicole Genzale, District Secretary

DATE OF ATTESTATION: _____



**Dublin San Ramon
Services District**
Water, wastewater, recycled water

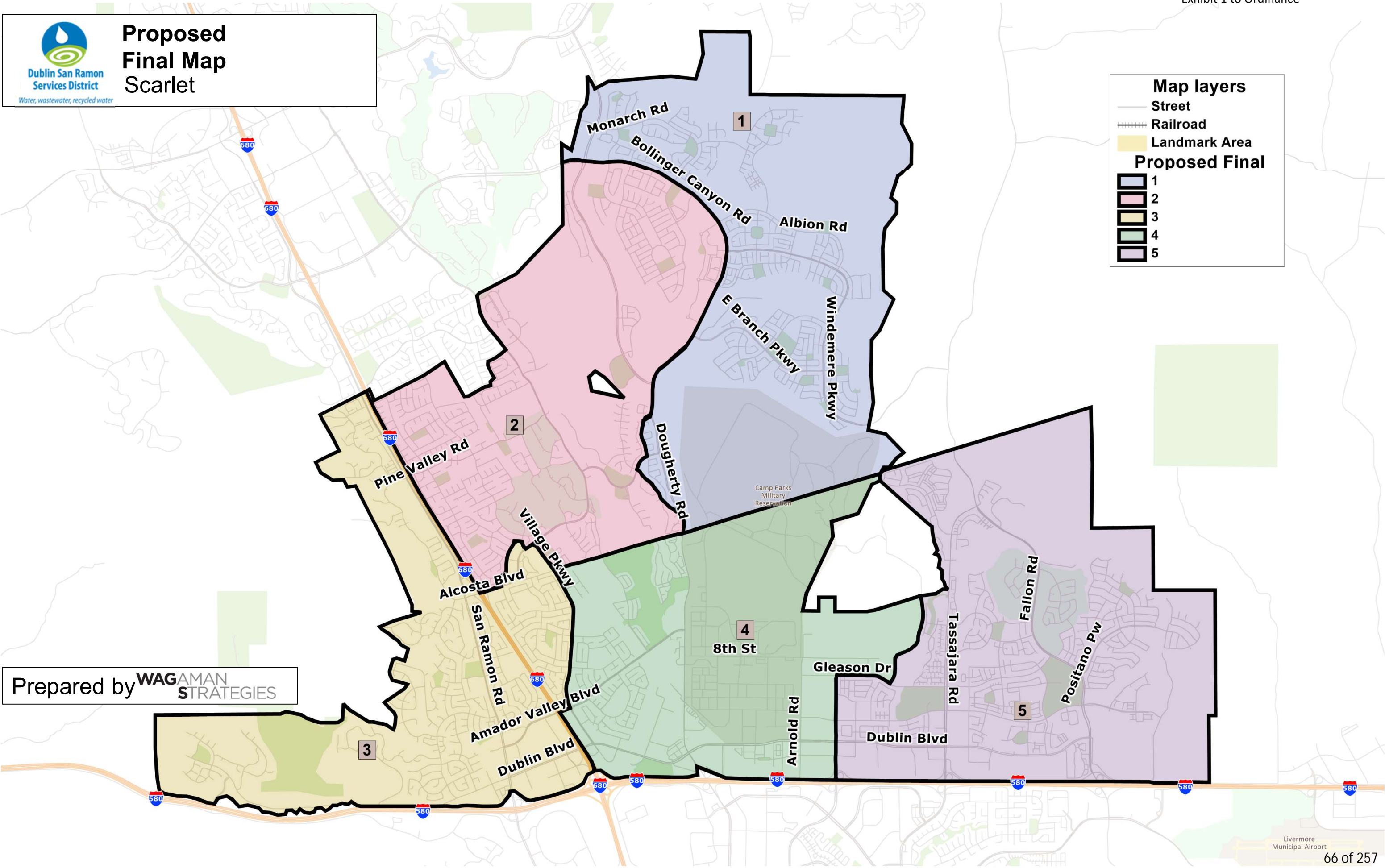
**Proposed
Final Map
Scarlet**

Map layers

- Street
- Railroad
- Landmark Area

Proposed Final

- 1
- 2
- 3
- 4
- 5



Prepared by **WAGAMAN STRATEGIES**



TITLE: Receive Report on the Projected Financial Condition of the Local Wastewater Fund Family for Fiscal Year Ending 2019

RECOMMENDATION:

Staff recommends the Board of Directors receive a report on the projected financial condition of the Local Wastewater fund family for fiscal year ending 2019.

SUMMARY:

The Local Wastewater program provides sewer collection services in Dublin and southern San Ramon. The collection system consists of the sewer pipes that transmit wastewater from the residences and business to the Regional Wastewater Treatment Plant. Costs for treatment of wastewater from DSRSD and Pleasanton are allocated to a separate Regional Wastewater program. Of the three utility programs, or businesses, that DSRSD manages, the Local Wastewater program is the smallest, representing only about 5% of total DSRSD operational costs.

In 2017, the Board of Directors received a report on systemic financial challenges facing the Local Wastewater Enterprise fund. The report noted that the Local Wastewater Enterprise fund could not adequately finance on going operations and maintenance of the sewer collections program at current rate levels. Additionally, the Local Wastewater Replacement fund that funds capital improvements to the sewer collections system had become overly reliant on funding from developer "buy-in fees" that were part of the Capacity Reserve Fee program.

A number of corrective actions were taken to begin stabilizing the Local Wastewater Enterprise fund and the Local Wastewater Replacement fund in 2017, 2018, and 2019. It is currently estimated that the Local Wastewater Enterprise fund will end fiscal year ending (FYE) 2019 with a balance of only \$510,000, below the fund minimum of \$579,000. Moreover, the Local Rate Stabilization fund established to address emergency situations will have a \$0 balance, below its fund minimum of \$579,000.

The draft operating budget for FYE 2020 and FYE 2021 shows that over the next two years the Local Wastewater Enterprise fund will maintain a small positive cash flow. However, traditional annual transfers from the Local Wastewater Enterprise fund to the Local Wastewater Replacement fund for capital replacement projects will not be possible in either budget year. Full transfers from the Enterprise fund to the Replacement fund may not be possible for a number of years.

A detailed overview of the financial condition of the Local Wastewater Enterprise fund, the Local Wastewater Rate Stabilization fund, and the Local Wastewater Replacement fund is contained in the attached staff report.

Originating Department: Administrative Services	Contact: C. Atwood	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input checked="" type="checkbox"/> Staff Report <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)	67 of 257	

STAFF REPORT



District Board of Directors
May 7, 2019

Receive Report on the Projected Financial Condition of the Local Wastewater Fund Family for Fiscal Year Ending 2019

BACKGROUND

In 2017, the Board of Directors received a report on some systemic financial challenges facing the Local Wastewater Enterprise Fund and the Local Wastewater Replacement Fund. The report noted that the Local Wastewater Enterprise Fund could not adequately fund the on-going operations and maintenance of the sewer collections program at current rate levels. Additionally, the Local Wastewater Replacement Fund had become overly dependent on funding from developer “buy-in fees” that were part of the Capacity Reserve Fee Program. The impetus for the Board report on the condition of the Local Wastewater Funds was the need to complete the rehabilitation of the Dublin Trunkline sewer, which was completed for \$6.4 million.

One of the primary reasons for the systemic shortfalls is that Local Wastewater rates had not been set at the level needed to fully fund operations and capital replacement needs for a number of years. For example, even though general national inflation had increased 31% from 2004 to 2017, the Local Water Rates in 2017 were at a level of 11.8% below the rates that had existed in 2004. This revenue shortfall existed during a period of deferred maintenance in the collections system program.

The report noted that the District’s long-term Asset Replacement model indicated that funding of \$0.7 million to \$1.0 million per year was needed for the Local Replacement Fund, yet only \$0.3 million per year was being transferred from the Local Enterprise Fund to the Local Replacement fund. The shortfall was being mitigated by reliance on the developer “buy-in” fee, and which was contributing \$0.5 million per year to the Local Replacement Fund during a period a high economic activity. In the absence of an extraordinarily strong economy, the contribution from new development would be significantly less. Clearly, there was a significant shortfall in resources for long-term capital replacement.

A number of corrective actions were taken to begin stabilizing the Local Wastewater Enterprise Fund and the Local Wastewater Replacement Fund. Firstly, the Board of Directors approved a significant rate adjustment over 5 years that would increase the Local Wastewater annual charge for residential users from \$69.84 to \$135.84. This represents an increase of over 94% over 5 years. Additionally, the Board approved a \$5 million inter-fund loan from the Local Wastewater Expansion Fund to the Local Wastewater Replacement fund in order to provide interim funding for the Dublin Trunkline sewer rehabilitation project that was completed in 2017. However, the Board was advised that *“even with these recommended steps, additional corrective action will likely be needed in future years. It may take up to 10 years to fully stabilize the Local Wastewater program. The Board would consider further program and funding options with the next update of the Local Wastewater assessment in 2022”*.

Subsequent Corrective Actions

On June 5, 2018, the Board revised the scheduled transfer of \$675,000 from the Local Wastewater Enterprise Fund to the Local Wastewater Replacement Fund to 50%, or \$337,500, for both FYE 2018 and 2019 to alleviate the financial stress on the Local Fund until rate increases brought it back to a favorable financial position.

In December of 2018, the Board approved an update to the Local Wastewater Capacity Reserve Fee. One of the components of this fee is a developer “buy-in” to the collection system, which helps to fund the Local Wastewater Replacement program so long as development continues at a strong pace. The “buy-in” component of the fee increased from \$1,096 to \$2,097 per dwelling unit, which will help improve the health of the Local Replacement Fund as development occurs.

In January of 2019, the Board directed that all the remaining funds in the Local Wastewater Rate Stabilization Fund be transferred to the Local Wastewater Enterprise Fund to help meet operating expenses in the short term. Approximately \$445,000 was transferred to the Local Water Enterprise Fund.

At the May 21, 2019 Board Meeting, staff will formally ask the Board to suspended the replacement transfer for FYE 2019 from the Enterprise Fund to the Replacement Fund in the amount of \$337,500. This has been discussed in conjunction with periodic updates to the Board on the Local Wastewater Enterprise fund and, with the new budget projections, will need to be reflected as anticipated.

The Local Wastewater rates will increase in accordance with the Board’s prior approval of the 5 year rate adjustment program by 12% in FYE 2020, generating an additional \$300,000 of annual revenue.

Per Board policy, the minimum reserve balance for the Local Enterprise Fund for FYE 2019 is approximately \$579,000. The actual balance is estimated to be at \$510,000, slightly below the minimum. The minimum reserve balance for the Local Rate Stabilization Fund per Board policy as of FYE 2019 is also \$579,000. The actual balance will be \$0.

The minimum reserve balance for the Local Replacement Fund as of July 1, 2019 is \$2.4 million. The projected ending balance is \$5.8 million. However, there is a loan repayment obligation over the next 5 years that has an outstanding balance of \$4.2 million.

DISCUSSION

Local Wastewater Fund Condition

The Local Wastewater Fund will begin FYE 2020 below fund minimums, with only \$510,000 on hand. Staff will be recommending that replacement allocations from the Enterprise Fund to the Replacement Fund be suspended for FYE 2020, FYE 2021, and FYE 2022. Additionally, staff is recommending that no funding be provided to bring the Local Rate Stabilization fund up to minimums.

For FYE 2020, total operating revenues are estimated at \$3.46 million, and total operating expenses are estimated at \$3.47 million, leading to an operating deficit of \$10,000. The estimated ending cash balance is \$499,000 which is below policy minimum.

A scheduled rate increase of 10.7% in FYE 2021 will provide additional revenue to help address the situation. For that year, a positive cash flow of \$273,000 is anticipated, leading to an increased cash balance of \$772,500, above policy minimums.

Local Rate Stabilization Fund

The Local Rate Stabilization Fund has been depleted. No funds are available in the fund, and no additional funds will be contributed to bring the fund up to its minimum of \$579,000 in either FYE 2020 or FYE 2021. Some funding may be possible in FYE 2023 or later.

Local Wastewater Replacement Fund

The Local Wastewater Replacement Fund will begin FYE 2020 with a starting balance of \$5.84 million. No capital contributions from the Local Enterprise Fund are anticipated in FYE 2020, FYE 2021, or FYE 2022. The only revenue to this fund will be from the developer “buy-in” fee from the Capacity Reserve Fee program during that time. An estimated \$2.8 million over two years will be collected, if development continues as projected. Approximately \$200,000 of revenue from interest earnings will provide additional income.

An annual loan repayment of \$833,333 will be made from this Local Wastewater Replacement Fund to the Local Wastewater Expansion Fund in FYE 2020 and in FYE 2021. Approximately \$2.1 million of capital expenditures and \$0.5 million of capital outlay will be charged to this fund in the upcoming two years. The ending capital balance at the end of FYE 2021 is estimated to be \$4.6 million, above the minimum target of \$3.1 million.

Future Plans

An updated Local Wastewater rate study will be presented to the Board in early 2022. Additional cumulative rate increases in the range of 30% to 40% may be needed over the following five years (FYE 2023 – FYE 2027) to ensure that the Local Wastewater fund families are restored to sustainable health. The replacement transfer from the Local Wastewater Fund to the Local Wastewater Replacement fund in the range of \$0.7 million to \$1.0 million needs to be restored. Moreover, it may need to rise to the \$1.5 million to \$2 million range ten years out based on information in our Asset Management program model reflected in the 10 Year Capital Improvement Plan. Additionally, at least a one-time transfer of \$0.6 million needs to be made to the Rate Stabilization Fund in future years to bring it into conformance with Board policy reserve minimums.

It is unlikely that all fund minimums will be restored before FYE 2024 at the earliest.

Other potential actions to accelerate recovery of the Local Wastewater program include considering an additional early increase to Local Wastewater rates beyond that contemplated for FYE 2021 and FYE 2022. A Local Wastewater Rate study could be completed in early 2020, which would allow for additional revenues to be generated starting in mid-2020 or mid-2021, two years earlier than currently planned. Additionally, the District might consider a second inter-fund loan to bridge short-term resource shortfalls in the Local Wastewater program. Staff recommends not taking these actions at this time, but revisiting the condition of the Local Wastewater program in spring of 2020 for Board direction.

RECOMMENDATION

Staff recommends that the Board receive a presentation on the projected financial condition of the Local Wastewater Fund family for the Fiscal Year ending 2019.



TITLE: Approve Mid-Year Operating and Capital Outlay Budget Adjustments for Fiscal Year Ending 2019

RECOMMENDATION:

Staff recommends the Board of Directors approve, by Resolution, mid-year operating and capital outlay budget adjustments for fiscal year ending (FYE) 2019.

SUMMARY:

In conjunction with the two-year budget preparation process, staff reviewed the FYE 2019 appropriations to determine if any material budget adjustments were needed. Staff has completed its review and is recommending reductions and/or transfers to the following fund budgets:

Fund 200	Local Wastewater Enterprise	(\$80,970)
Fund 210	Local Wastewater Replacement	(\$135,000)
Fund 220	Local Wastewater Expansion	(\$17,720)
Fund 300	Regional Wastewater Enterprise	(\$218,600)
Fund 310	Regional Wastewater Replacement	(\$30,000)
Fund 320	Regional Wastewater Expansion	(\$5,360)
Fund 600	Water Enterprise	(\$373,447)
Fund 610	Water Replacement	(\$105,950)
Fund 920	Water Expansion	(\$41,960)
Fund 900	Non-Departmental	(315,011)
	Total	(\$1,324,018)

A summary of the budget adjustments are attached. No revenue adjustments are proposed for FYE 2019.

Originating Department: Administrative Services	Contact: C. Atwood	Legal Review: Not Required
Cost: FYE 2019 total budget adjustments (\$1,324,018)	Funding Source: All funds	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)		

RESOLUTION NO. _____

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT APPROVING
OPERATING AND CAPITAL OUTLAY BUDGET ADJUSTMENTS FOR FISCAL YEAR ENDING 2019

WHEREAS, the District prepares a two-year budget that is reviewed periodically to determine if any substantive changes are needed; and

WHEREAS, staff reviewed the FYE 2018 and 2019 budgets, and the Board approved the first mid-year budget adjustments, per Resolution No. 29-18 at the June 5, 2018 Board meeting; and

WHEREAS, staff has performed a mid-cycle review of the budget and is recommending administrative changes not anticipated when the budget was originally adopted in June 2017 or reviewed in June 2018; and

WHEREAS, the proposed revised budget is supported by the General Manager and Administrative Services Manager.

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 budget adjustments shown in Exhibit "A" for fiscal year ending 2019 are hereby approved and adopted.

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 7th day of May, 2019, and passed by the following vote:

AYES:

NOES:

ABSENT:

Madelyne A. Misheloff, President

ATTEST: _____
Nicole Genzale, District Secretary

FY2019 Budget Adjustments

Exhibit A

Div #	Budget \$	Budget Item Desc	Account
33	(420)	Misc	200.30.33.330.3.360
41	(1,200)	Misc	200.40.41.000.3.360
42	(2,000)	Salary Savings	200.40.42.000.1.100
42	(15,000)	Salary Savings	200.40.42.000.1.100
51	(6,300)	Misc	200.50.51.000.3.360
51	(35,000)	Medical savings	200.50.51.000.1.125
53	(575)	Misc	200.50.53.000.3.360
55	(1,350)	Misc	200.50.55.550.3.360
56	(6,500)	Consulting Services	200.50.56.560.3.312
70	(12,625)	Property Taxes - FOF	200.70.70.000.3.340
	(80,970)	Fund 200	
51	(135,000)	CCTV Truck	210.70.51.050.5.555
	(135,000)	Fund 210	
42	(1,400)	Salary Savings	220.40.42.000.1.151
42	(1,000)	Salary Savings	220.40.42.000.1.100
42	(15,000)	Salary Savings	220.40.42.000.1.100
42	(320)	Misc	220.40.42.000.3.360
	(17,720)	Fund 220	
10	(5,000)	Training	300.10.10.000.1.140
33	(420)	Misc	300.30.33.330.3.360
40	(13,000)	Medical Savings	300.40.40.000.1.125
41	(80,500)	Professional Sevices	300.40.41.000.3.312
42	(700)	Misc	300.40.42.000.1.151
42	(160)	Misc	300.40.42.000.3.360
42	(560)	Misc	300.40.42.554.3.360
42	(5,000)	Salary Savings	300.40.42.000.1.100
42	(5,000)	Salary Savings	300.40.42.000.1.100
50	(4,000)	Consulting Services	300.50.50.000.3.312
50	(15,000)	equipent lease/rental	300.50.50.000.3.320
52	(50,000)	building improvements	300.50.52.000.2.250
52	(400)	Misc	300.50.52.000.3.360
53	(5,000)	Fuel	300.50.53.000.2.230
53	(3,500)	Misc	300.50.53.000.3.360
54	(3,360)	Misc	300.50.54.000.3.360
55	(15,000)	Monitoring and testing	300.50.55.552.3.330
55	(5,000)	Lead testing	300.50.55.552.3.340
55	(500)	Misc	300.50.55.552.3.360
56	(6,500)	Consulting Services	300.50.56.560.3.312
	(218,600)	Fund 300	

FY2019 Budget Adjustments

Exhibit A

Div #	Budget \$	Budget Item Desc	Account
54	(30,000)	Circuit Breaker	310.70.54.050.5.555
	(30,000)	Fund 310	
42	(4,200)	Misc	320.40.42.000.1.151
42	(1,000)	Salary Savings	320.40.42.000.1.100
42	(160)	Misc	320.40.42.000.3.360
	(5,360)	Fund 320	
33	(25,000)	Salary savings	600.30.33.330.1.100
33	(50,000)	Salary savings	600.30.33.330.1.100
33	(9,000)	Medical savings	600.30.33.330.1.125
33	(3,382)	Misc	600.30.33.330.3.360
40	(13,000)	Medical Savings	600.40.40.000.1.125
42	(100,000)	Water Planning	600.40.42.000.3.312
41	(19,500)	Professional Services	600.40.41.000.3.312
42	(700)	Misc	600.40.42.000.1.151
42	(90)	Misc	600.40.42.000.3.360
42	(25,000)	RW signs and loss report	600.40.42.554.3.312
42	(840)	Misc	600.40.42.554.3.360
42	(5,000)	Salary savings	600.40.42.000.1.100
42	(30,000)	Salary savings	600.40.42.000.1.100
51	(6,950)	Misc	600.50.51.000.3.360
51	(35,000)	Medical savings	600.50.51.000.1.125
53	(2,000)	Misc	600.50.53.000.3.360
54	(3,360)	Misc	600.50.54.000.3.360
55	(250)	Misc	600.50.55.552.3.360
56	(6,500)	Consulting Services	600.50.56.560.3.312
70	(37,875)	Property Taxes - FOF	600.70.70.000.3.340
	(373,447)	Fund 600	
51	(1,600)	Misc	610.50.51.000.3.360
51	(104,350)	CCTV Truck	610.70.51.050.5.555
	(105,950)	Fund 610	
42	(6,000)	Salary Savings	620.40.42.000.1.100
42	(35,000)	Salary Savings	620.40.42.000.1.100
42	(960)	Misc	620.40.42.000.3.360
	(41,960)	Fund 620	

FY2019 Budget Adjustments**Exhibit A**

Div #	Budget \$	Budget Item Desc	Account
10	(25,000)	Election Savings	900.10.10.300.3.340
10	(30,000)	Salary savings	900.10.10.000.1.100
15	(50,000)	On-Base Consulting	900.10.15.000.3.312
15	(4,400)	Misc	900.10.15.000.3.340
24	(10,000)	Professional Services	900.10.24.000.3.312
24	(15,000)	Printing	900.10.24.000.3.350
24	(1,130)	Misc	900.10.24.000.3.360
22	(976)	Misc	900.30.22.000.3.360
31	(10,000)	Bank charges	900.30.31.000.3.340
34	(75,000)	On-Base Consulting	900.30.34.000.3.312
34	22,575	Telecommunications	900.30.34.000.3.360
41	80,000	salary transfer	900.40.41.000.1.100
50	(800)	Misc	900.50.50.000.3.360
51	(80,000)	salary transfer	900.50.56.000.1.100
54	(280)	Misc	900.50.54.000.3.360
56	(100,000)	Salary savings	900.50.56.560.1.100
56	(15,000)	Temp Help	900.50.56.560.1.150
(315,011) Fund 900			
(1,324,018) Total Savings			



TITLE: Receive Presentation on Draft Capital Improvement Program Ten-Year Plan for Fiscal Years Ending 2020 through 2029 and Two-Year Budget for Fiscal Years Ending 2020 and 2021 and Provide Direction to Staff

RECOMMENDATION:

Staff recommends the Board of Directors receive a presentation on the draft Capital Improvement Program (CIP) Ten-Year Plan (Plan) for Fiscal Years Ending 2020 through 2029 and Two-Year Budget (Budget) for Fiscal Years Ending 2020 and 2021, and provide staff direction on any desired changes to the draft Plan and Budget.

SUMMARY:

The CIP is a capital investment plan to maintain and enhance the District's infrastructure, consisting of the Ten-Year CIP Plan and the Two-Year CIP Budget. The CIP Plan serves to identify, prioritize, and schedule capital projects for the ten-year period, and establish a plan for generating the financial resources needed to complete these capital projects. The first two years of expenditures in the CIP Plan comprise the District's Two-Year CIP Budget for Fiscal Years Ending 2020 and 2021.

By adopting the CIP Budget, the Board:

- Authorizes total budgets for the individual capital projects,
- Authorizes the initiation of project expenditures in either fiscal year ending 2020 or 2021, and
- Establishes the maximum expenditures from each fund for fiscal years ending 2020 and 2021.

Board recommended revisions to the draft CIP Plan and Budget will be incorporated into a final CIP Plan and Budget and presented at a public hearing at the May 21, 2019 Board meeting. Approval of the final CIP Plan and Budget is anticipated on June 4, 2019.

Originating Department: Engineering Services	Contact: J. Zavadil	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input 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 – Draft Capital Improvement Program	



DRAFT

Capital Improvement Program

TEN YEAR PLAN— Fiscal Years Ending 2020 through 2029

TWO YEAR BUDGET— Fiscal Years Ending 2020 and 2021





**Dublin San Ramon
Services District**
Water, wastewater, recycled water

Capital Improvement Program
10 Year Plan
For Fiscal Years Ending 2020 through 2029
&
2 Year Budget
For Fiscal Years Ending 2020 and 2021

Adopted by Board Resolution No. ____ on June 4, 2019

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Executive Summary

Capital Improvement Program Overview

The Capital Improvement Program (CIP) is a capital investment plan to maintain and enhance the Dublin San Ramon Services District's ("District" or "DSRSD") infrastructure. The CIP serves as a guide for identifying current and future projects in support of the District's mission *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*. The CIP is also the planning instrument used to coordinate the financing and timing of improvements, with the ultimate goal of maximizing the return to customers.

The CIP consists of the Ten-Year Capital Improvement Plan and the Two-Year Capital Improvement Budget. The Capital Improvement Plan serves to identify, prioritize, and schedule capital projects for the ten-year period, and establish a plan for generating the financial resources needed to complete these capital projects. The first two years of expenditures in the Capital Improvement Plan comprise the District's Two-Year Capital Improvement Budget for Fiscal Years 2020 and 2021. By adopting the Capital Improvement Budget, the Board:

- Authorizes total budgets for the individual capital projects.
- Authorizes the initiation of project expenditures in either fiscal year 2020 or 2021.
- Establishes the maximum expenditures from each fund for fiscal years 2020 and 2021.

Capital Improvement Program Process

The development of the CIP is a coordinated process, occurring every two-years, and beginning with District staff identifying projects and preparing related descriptions, schedules, and cost estimates. Projects may be identified as a result of a master plan, study, regulatory requirement, or staff recommendation. Project requests are submitted for evaluation by the District Engineer. Several factors are considered in determining the need for each CIP project, including consistency with the District's Strategic Plan and established District Policies, the need to meet a regulatory mandate or requirement, impact to the District's capital fund reserves, and balancing project scheduling with available staffing. The recommended CIP is compiled and presented to the General Manager for review and input. The recommended CIP is next reviewed by the Board of Directors ("Board") at a work session, where the public has an opportunity to provide comments, before final adoption by the Board at a public hearing in late May or early June.

Capital Planning Policies

Development and implementation of the CIP is directed by the District policies listed below and available on the District's website. <http://www.dsrsd.com/about-us/district-policies>

1. **Project Cost Allocation:** Basis for determining how the cost of projects should be allocated between funds.
2. **Infrastructure Responsibilities and Funding:** Defines responsibility for major and non-major infrastructure planning design and construction. Establishes use of connection fees as primary source of funding for major infrastructure.
3. **Financial Reserves:** Provides guidance for the prudent accumulation and management of designated reserves.
4. **Budget Accountability:** Operations and Capital Improvement Program Budget Controls

Capital Improvement Program Structure

The CIP is designed to provide a transparent and in-depth look at the District's capital investment plan. This is accomplished by structuring the CIP as follows:

Chapter 1: Long-Term Capital Planning. This chapter provides an overview of the study/planning documents which serve as the basis for the CIP (e.g. Asset Management, Strategic Plan, Master Plans, etc.).

Chapter 2: Budget Process. This chapter offers specifics of revenue types across the three business enterprises (e.g. rates, fees, etc.), expenditure descriptions, and budget controls (approval authorities).

Chapter 3: Fund Overview. This chapter presents detailed descriptions of revenues and expenditures anticipated in each fund, and provides fund trend analysis.

Chapter 4: Capital Project Worksheets. This chapter includes project worksheet for each project included in the CIP. Information on the worksheet include a project description, reference, project manager, a discussion of the environmental (CEQA) review, and a project budget and schedule.

Capital Replacement and Expansion Funding

The District has three business enterprises: local wastewater collection, regional wastewater treatment and water. Each business has two capital funds: replacement and expansion. A key distinction is that replacement funds are largely funded by rate revenue from existing customers, while expansion funds are funded by fee revenue from new development. A more detailed discussion of each fund occurs later in Chapter 3. The Capital Improvement Program outlines the capital expenditures planned in the replacement and expansion funds.

Capital Improvement Program Projects, Programs, & Capital Outlay

The CIP includes Projects, Programs, and Capital Outlay, each of which are described below:

1. **Projects:** A CIP project is defined as a major infrastructure project which is; 1) non-recurring in nature; 2) has a minimum cost of \$15,000; 3) results in a new asset that has a useful life of at least three years or extends the useful life of an existing asset by at least three years; and 4) requires project management, typically requiring compliance with the California Public Contract Code. A common example of a CIP project are planned water and wastewater collection pipeline replacements.
2. **Programs:** A CIP program sets aside money to fund projects that have either not been anticipated or do not yet have definitive scope and budget. For example, a major water main might need unexpected replacement, and the associated program would fund the creation of a modest-scale replacement project when the need arose. The amounts set aside are based on Asset Management replacement models. The Asset Management models includes assumptions about the useful life of each asset, which identifies when an asset would need to be repaired or replaced, and calculates an estimated cost to do so. Once a specific scope of work and budget is developed, a project can be created from the CIP program. An example of an Asset Management model based program is the Regional Wastewater Treatment Facility Replacement and Rehabilitation Program (00-P026). Other programs set aside funding for a particular District initiative which may ultimately fund more than one individual CIP project. Examples of a District specific initiative program is the Capital Improvements to Increase Water Supply Program (00-W001 and 00-W002) and the Energy Management Program (00-3120).
3. **Capital Outlay:** Capital outlay is for replacing or adding an asset that has a minimum total cost of \$10,000 and a useful life of at least three years. Capital Outlay is typically the purchase or purchase and installation of one item. An example of capital outlay is the replacement of a vehicle.

Capital Improvement Program Project Categories

There are five project categories in the CIP. These categories include both replacement and expansion related projects, but allow the District to divide the projects into business enterprise specific groups.

1. **General:** Projects in the “general” category include those which are all-purpose, and typically affect District-wide assets that are not specific to one business enterprise. An example of a general project is the District Office Renovation (19-A005), and the Enterprise Resource Program Conversion project (20-A002).
2. **Joint Powers Authority:** Projects in the “joint powers authority,” (JPA) category are Dublin San Ramon Services District and East Bay Municipal Utility District Recycled Water Authority (DERWA) projects, which the District may manage, but only contributes a defined portion to, per the associated agreement. An example of a project in this category is the DERWA Sand Filtration Ultraviolet (SFUV) Wiper Arms Replacement project (20-W022).
3. **Water System:** Projects in the “water system” category are those which are related to the water system business enterprise. An example of a water system project is the Potable Water Pump Station Standby Generator/Emergency Response project (16-W012).
4. **Wastewater Collection:** Projects in the “wastewater collection system” category are those which are related to the local wastewater collection system business enterprise. An example of a wastewater collection system project is the East Dublin 36” Trunk Sewer Rehabilitation project (20-S013).
5. **Regional Wastewater Treatment:** Projects in the “regional wastewater treatment” category are those which are related to the regional wastewater treatment business enterprise. An example of a regional wastewater treatment project is the Bio-Gas Treatment System Improvements project (16-P028).

Fiscal Year 2020-2029 Capital Improvement Program At-A-Glance

Table 1 presents the project and program count, and total expenditures for the Ten-Year Plan for Fiscal Years 2020 through 2029 and the Two-Year Budget for Fiscal Year 2020 and 2021.

Table 1 - Project/Program Count and Total Expenditures

	TEN-YEAR PLAN FY 2020 - FY 2029	TWO-YEAR BUDGET FY 2020 - FY 2021
NUMBER OF PROJECTS	102	56
NUMBER OF PROGRAMS	10	7
TOTAL EXPENDITURES	\$225,122,000	\$53,125,000

Replacement projects account for 60 percent of the total CIP Ten-Year Plan expenditures, and 57 percent of the Two-Year Budget expenditures. The share of Local Wastewater Collection, Regional Wastewater Treatment, and Water System replacement projects as a percent of the total Ten-Year Plan is 10 percent (Local), 36 percent (Regional), and 54 percent (Water). The share of replacement projects as a percent of the total Two-Year Budget is 7 percent (Local), 46 percent (Regional), and 47 percent (Water). This is summarized in Table 2 below.

Table 2 - Summary of Replacement Expenditures by Fund

	TEN-YEAR PLAN FY 2020 - FY 2029	TWO-YEAR BUDGET FY 2020 - FY 2021
LOCAL WASTEWATER COLLECTION (210)	\$13,609,000	\$2,107,000
REGIONAL WASTEWATER TREATMENT (310)	\$48,743,000	\$13,882,000
WATER SYSTEM (610)	\$73,826,000	\$14,302,000
TOTAL	\$136,178,00	\$30,191,000

Expansion projects account for 40 percent of the total CIP Ten-Year Plan expenditures, and 43 percent of the Two-Year Budget expenditures. The share of Local Wastewater Collection, Regional Wastewater Treatment, and Water System replacement projects as a percent of the total Ten-Year Plan is 5 percent (Local), 46 percent (Regional), and 49 percent (Water). The share of expansion projects as a percent of the total Two-Year Budget is 1 percent (Local), 59 percent (Regional), and 40 percent (Water). This is summarized in Table 3 below.

Table 3 - Summary of Expansion Expenditures by Fund

	TEN-YEAR PLAN FY 2020 - FY 2029	TWO-YEAR BUDGET FY 2020 - FY 2021
LOCAL WASTEWATER COLLECTION (220)	\$4,373,000	\$221,000
REGIONAL WASTEWATER TREATMENT (320)	\$40,683,000	\$13,401,000
WATER SYSTEM (620)	\$43,888,000	\$9,213,000
TOTAL	\$88,944,00	\$22,835,000

Project Highlights

Below are high priority projects, organized by category, to provide a sense of the anticipated efforts of the District staff over the next two-years, and also large scale projects in future years.

General Projects

Board Meeting Audio/Video Improvements (16-A004). The audio and video system equipment in the Boardroom is the original equipment installed when the building was constructed in 1992. This project will retrofit the Boardroom lighting and sound system and install video cameras and video streaming equipment to enable quality video streaming and indexing of Board meetings. It will also improve the ability of people attending Board meeting to hear what is being said. This project is funded from the Local, Regional, and Water Replacement funds, with a total project cost of \$550,000. It is expected to be completed in Fiscal Year 2020.

District Office Renovation (19-A005). In November of 2018, the District Office was flooded due to a fire service line break under the building slab. Given that the District Office is 27 years old, and the majority of the building systems and furnishings are original, the Board approved this project to take advantage of the building being empty and the furnishings removed to update the building furnishings and systems. This project will upgrade the District Office furnishings and building systems, including replacement of office furniture, modifications to the reception area and permit and customer service counter, bathroom and kitchen improvements, lighting replacements, and minor reconfiguration of some work areas. The restoration of the building will be paid for through an insurance claim and the renovation work will be paid for through the CIP project. This project is funded from the Local, Regional, and Water replacement funds, with a total project cost of \$2,840,000. It is expected to be completed in Fiscal Year 2020.

Enterprise Resource Program Conversion (EDEN Replacement) (20-A002). This project will include procurement and implementation of a new Enterprise Resource Program (ERP), which is the central accounting system the District uses to conduct business, including Utility Billing. The current system, Eden, is over fifteen years old and the vendor has indicated it may end technical support for the product in the coming years. This project is funded from the Local, Regional, and Water replacement funds, with a total project cost of \$1,510,000. It is expected to be completed in Fiscal Year 2021.

Local Wastewater Collection

Dublin Boulevard - Amador Plaza Road to Village Parkway (20-S014). This project will upsize 730 feet of 18-inch gravity main to 21-inch gravity main in Dublin Boulevard between Amador Plaza Road and Village Parkway, eliminating system deficiencies to ensure the pipeline can meet projected flows for future downtown development. This project is funded from the Local Expansion fund with a total project cost of \$820,000. It is expected to be completed in Fiscal Year 2021.

Regional Wastewater Treatment

Primary Sedimentation Expansion and Improvements (17-P004). This project will construct one new primary sedimentation tank and partially demolish and replace one of the existing primary sedimentation tanks at the Regional Wastewater Treatment Facility (RWTF). The primary treatment capacity is undersized for the facility's current average dry weather flow, and overburdens the aeration basins and secondary clarifiers. This can lead to higher energy costs and more difficulties in controlling the secondary effluent water quality. The additional primary sedimentation tank will provide the treatment capacity needed for current and buildout flows. This project is funded from the Regional Replacement and Regional Expansion funds with a total estimated cost of \$19,000,000. Construction began in Fiscal Year 2019, and is expected to be completed in Fiscal Year 2021.

Biosolids Dewatering Facility (18-P013). The District operates six facultative sludge lagoons (FSL) to stabilize digested sludge from the wastewater treatment plant. The District also operated a 55-acre dedicated land disposal (DLD) site where the biosolids residuals are tilled into the soil. The Wastewater Treatment Plant and Biosolids Master Plan evaluated the current method of biosolids handling and disposal and found that there is an accumulation of biosolids in the FSLs because the water content of the biosolids is too high. The Ten-Year Plan includes a first phase of the project to construct scalable dewatering facility to handle a portion of the biosolids to reduce the accumulation in Fiscal Years 2022 and 2023 at a cost of \$14,645,000. The project also includes a future phase for potential dewatering of all biosolids. This project is funded from the Regional Expansion fund with a total estimated cost of \$26,545,000.

WWTP SCADA Improvements (05-3206). This project will upgrade the WWTP Supervisory Control and Data Acquisition (SCADA) communication network, replace and program the programmable logic controllers (PLCS), replace the servers, install a new database repository for historical data and acquire a web portal to view SCADA data over the District's business network. This project will involve complex construction sequencing to allow for parallel SCADA systems during implementation, as the plant processes cannot be interrupted. This project is funded from the Regional Replacement fund with a total estimated cost of \$2,964,305, and is expected to be completed in Fiscal Year 2021.

Nutrient Removal (T16-42 - FUTURE). In April 2014, the Bay Area Regional Water Quality Control Board (RWQCB) issued a San Francisco Bay Nutrients Watershed permit to municipal wastewater dischargers. The permit requires wastewater dischargers to evaluate reductions in nutrient discharges through treatment upgrades and contribute toward studies to develop a San Francisco Bay Nutrient Management Strategy. The District is working with the Bay Area Clean Water Agencies (BACWA) to address the permit requirements. If the current studies determine wastewater discharges have an adverse effect on Bay water quality, the RWQCB will impose nutrient load limits on the wastewater treatment plant effluent which will require treatment upgrades. Although future regulation or the extent of the regulation is uncertain, it is prudent that the District plan for some future treatment upgrades. This project is funded from the Regional Replacement and Regional Expansion funds with a total estimated cost of \$42,780,000, and is expected to begin in Fiscal Year 2029.

Water System

Reservoir 20B (14-W008). This project will construct a new 1.3 million gallon potable water reservoir in eastern Dublin to provide potable water storage capacity for eastern Dublin and, in combination with existing Pump Station 300B, potable water to Dougherty Valley. Depending on location of the reservoir, up to 8,700 linear feet of 12-inch Zone 2 pipeline will be needed to integrate the reservoir into the water system, and property acquisition may be required. The project is funded from the Water Expansion fund with a total estimated cost of \$7,753,000, and is expected to be completed by Fiscal Year 2022.

Turnout 6 (20-W015). This project will provide water supply for development in eastern Dublin by constructing a new turnout from Zone 7 Water Agency south of I-580 at Pimlico Drive, served by the Cross Valley Pipeline. Construction of the turnout adds redundancy and improves reliability of the distribution system by having a secondary source turnout to supply eastern Dublin should there be a failure of Zone 7 Water Agency's Santa Rita Pipeline. This project is funded from the Water Expansion fund with a total estimated cost of \$3,800,000, and is expected to be completed by Fiscal Year 2022.

Valve and Blow-Off Replacement (19-W004). This project will repair/replace line and blow off valves throughout the water distribution system. Many of the line valves have broken over time and are located in the older parts of the service area. Repairing or replacing the valves is essential for system operation and minimizes the area for shutdowns. Blow off valves will also be strategically replaced within the water distribution system. The blow off valves will be replaced with larger valves that will improve flushing velocity and efficiency, which will improve water quality. This project is funded from the Water Replacement fund with a total estimated cost of \$3,250,000, allocated over three years (Fiscal Years 2020 – 2022).

Potable Water Pump Station Standby Generators/Emergency Response (16-W012). At this time, there is only one pump station in the water distribution system with a permanent standby generator. In the event of power outages, pumping criteria will not be met, eventually leading to a loss of fire protection. The Master Plan recommended adding permanent standby generators at various locations. This project will confirm those locations, and alternatives, and evaluate if they should be permanent or mobile generators. This project is funded from the Water Replacement fund with a total estimated cost of \$3,040,000, and is expected to be completed by Fiscal Year 2021.

Capital Improvements to Increase Water Supply Program – Phase II (00-W002). This program will develop projects to meet the objectives of the Water Supply, Storage, Conveyance, Quality and Conservation Policy (P300-15-1) adopted by the Board on October 20, 2015. This program will focus on diversifying the sources of water supply so that no less than 60 percent of total demand (potable and recycled) is satisfied by local and regional water supplies, and that no more than 40 percent of total water supply (potable and recycled) comes from any one physical source. The program will fund the most feasible potable reuse projects outlined in the Tri-Valley Potable Reuse Feasibility Study. This program has an estimated cost of \$40,000,000 and will be funded 25 percent by the Water Expansion fund and 75 percent by the Water Replacement fund based on the ratio of current water demands to projected build-out water demands.

Chapter 1: Long-Term Capital Planning

CIP and Strategic Plan Nexus

The Capital Improvement Program (CIP) is integral to the achievement of the District's mission and implementation of the strategic plan. Development, approval and implementation of the CIP accomplishes a number of the District's Strategic Plan goals by providing specific projects and planned funding towards meeting the goals.

The CIP Plan and Budget supports the District strategic goals to 1) maintain our financial stability and sustainability and 2) develop a fully integrated Asset Management Program to guide all the District's business decisions. The District's Asset Management Program identifies projects for the CIP Plan and Budget. In addition, it provides an overall estimate of expected expenditures over the CIP Plan timeframe and beyond to guide future rate operating budget and rate studies. Further information on the Asset Management Program is provide below.

The Strategic Plan goal to enhance our ability to respond to emergencies is advanced with the Potable Water Pump Station Standby Generators/Emergency Response project (16-W012) which will increase the reliability of the water distribution system in a power outage and the WWTP SCADA Improvements project (05-3206) which will provide robust and redundant communication between the WWTP processes.

The CIP also meets several of the action items under the Strategic Plan goal to develop and implement an integrated potable and recycled water program. Two programs, Capital Improvements to Increase Water Supply, Phases I and II, support the existing recycled water program and provide the funding for a future potable reuse project.

Master Plans

The District develops Master Plans every five to ten years for each of its enterprises, Local Wastewater, Regional Wastewater and Water. The master plan planning horizons are typically 20 years. The proposed projects from these master plans are incorporated into the CIP. A summary of the master plans that have informed the CIP Plan and Budget include:

- 2016 Water Master Plan
- 2017 Wastewater Treatment and Biosolids Master Plan
- 2019 Local Collection System Master Plan
- 2017 Long-term Alternative Water Supply Plan
- 2018 Joint Tri-Valley Potable Reuse Technical Feasibility Study

The District also develops Master Plans for particular business needs, such as the Information Technology Master Plan and the Facilities Security Master Plan.

Asset Management Program/Replacement Projects

Asset Management models estimate the rehabilitation and replacement year and cost for each asset based on the age and type of the asset. The renewal and replacement needs identified by the Asset Management Program during the Ten-Year Plan are reflected in individual capital projects and programs. Using the models, staff identifies funding needed and specific capital projects to be included in the CIP Plan and Budget. Expenditures to account for projects that will be identified over the time frame of the plan are included in the rehabilitation and replacement programs.

To capture the expenditures beyond the Ten-Year Plan and assure that funding is available, the average estimated expenditures over the Ten-Year Plan plus the expenditures for the five years beyond the plan are averaged to create a fifteen year expected annual average replacement expenditure estimate. This fifteen year average is used to set the minimum capital replacement fund levels (see Financial Reserves section). Thus, the Capital Improvement Program reflects not only intermediate term capital projects, but also longer-term estimates of asset replacement needs.

Concurrently with the escalation of local sewer, water, and regional sewer replacement costs, development in the service area will be approaching build out and connection fees will diminish. This will result in a decline in buy-in revenue from the various capacity reserve fees, creating a conundrum where infrastructure begins to accelerate its depreciation at almost the same time that a major revenue source begins a significant decline.

The policy of setting capital replacement reserve levels at twice the fifteen year average of planned capital projects plus known asset management replacement needs will help to mitigate the problem of increasing costs and decreasing capacity reserve revenue. The average annual replacement cost will increase, leading to an increase in replacement reserve requirements, which will gradually signal the need for additional capital funding. Within each two year budget period, the District can assess the need for growth in utility rates to make up the difference. Thus, the District will be able to capitalize on its growing Asset Management Program to plan a sensible long-term ramp-up of rehabilitation and replacement funding through user fees.

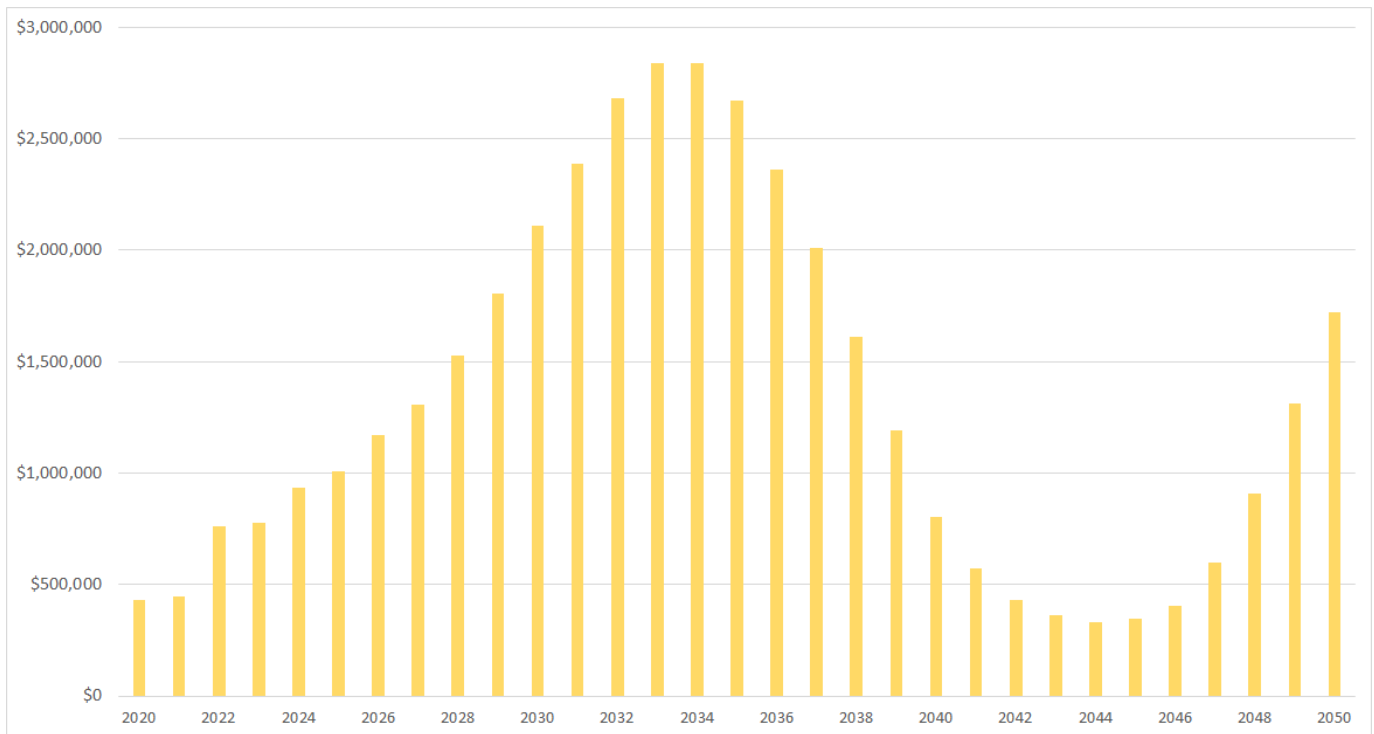
The expected annual expenditures for the local collection, regional wastewater and water replacement funds for the next 30 years are shown in Figures 1 through 3. There is significant variability in the estimated expenditures from year to year. In the figures this variability has been normalized over several years to 1) reflect the variability in asset life, i.e. some pipes or equipment will fail earlier and some will fail later than its expected life, and 2) better visualized the trend in expenditures, and 3) reflect a more realistic project implementation schedule.

Local Wastewater Collection - Replacement

Given that many of the District's local collection and water system assets were installed during a period of initial growth in the 1960s, the Asset Management Program indicates an increase in the spending for those replacement funds over the next ten years and beyond as those initial assets begin to reach the end of their useful life.

The need to replace the aging sewer pipelines is reflected in the average annual Local Wastewater Collection replacement costs shown in Figure 1. The expected life of the sewer lines is based on inspections of the collection system and established industry standards for pipe material life. The majority of the pipe material of the original system is vitrified clay pipe. The original portions of the collection system begin to age out and require replacement peaking around 2033. Peaks in replacement are largely driven by surges in development using similar pipe material over time. The local collection costs are based on rehabilitating the pipes through cast in-place lining rather than pipe replacement.

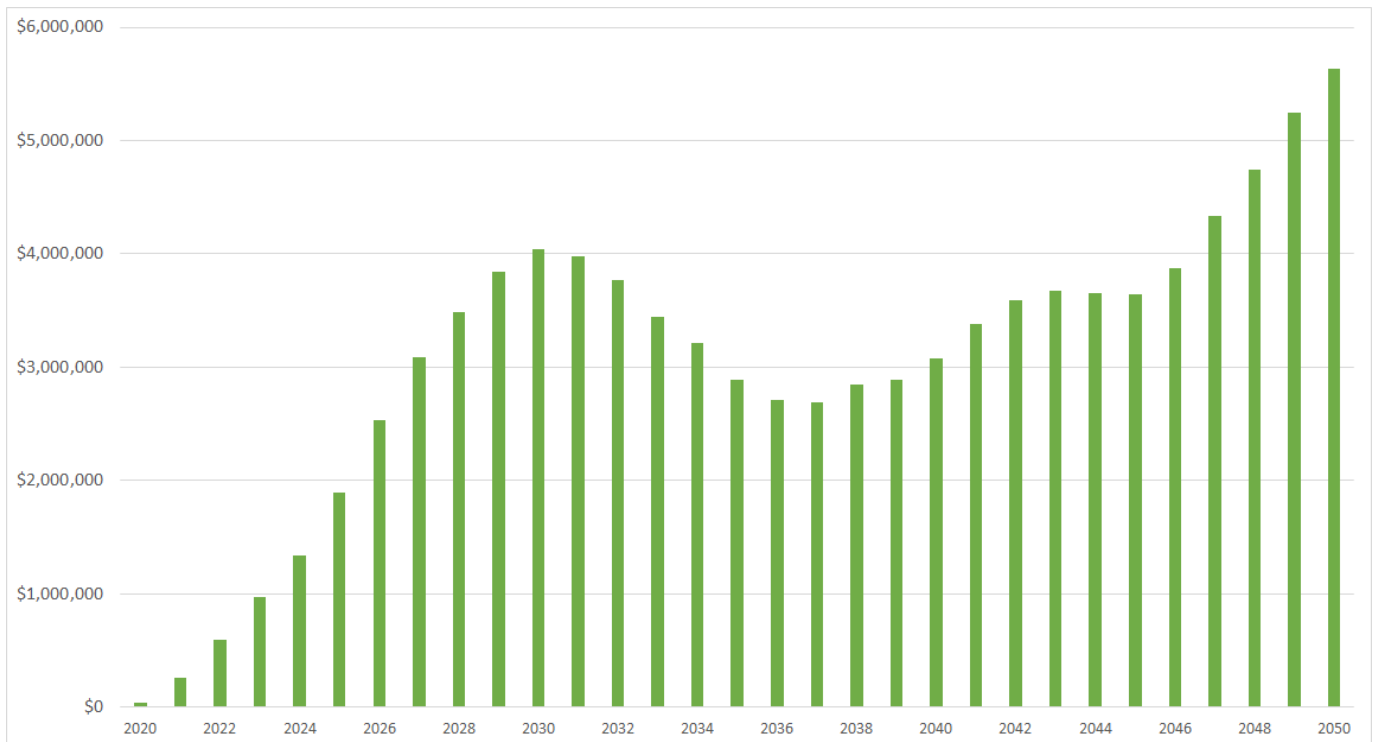
Figure 1 – Local Wastewater Collection Long-Term Replacement Costs



Regional Wastewater Treatment - Replacement

The average annual Regional Wastewater replacement costs, shown in Figure 2, increase annually until approximately 2030, which is the 30 year anniversary of the Stage 4 Wastewater Treatment Plan Expansion Project. Beyond that timeframe, the expenditures drop somewhat until 2037 but consistently increase thereafter through 2050.

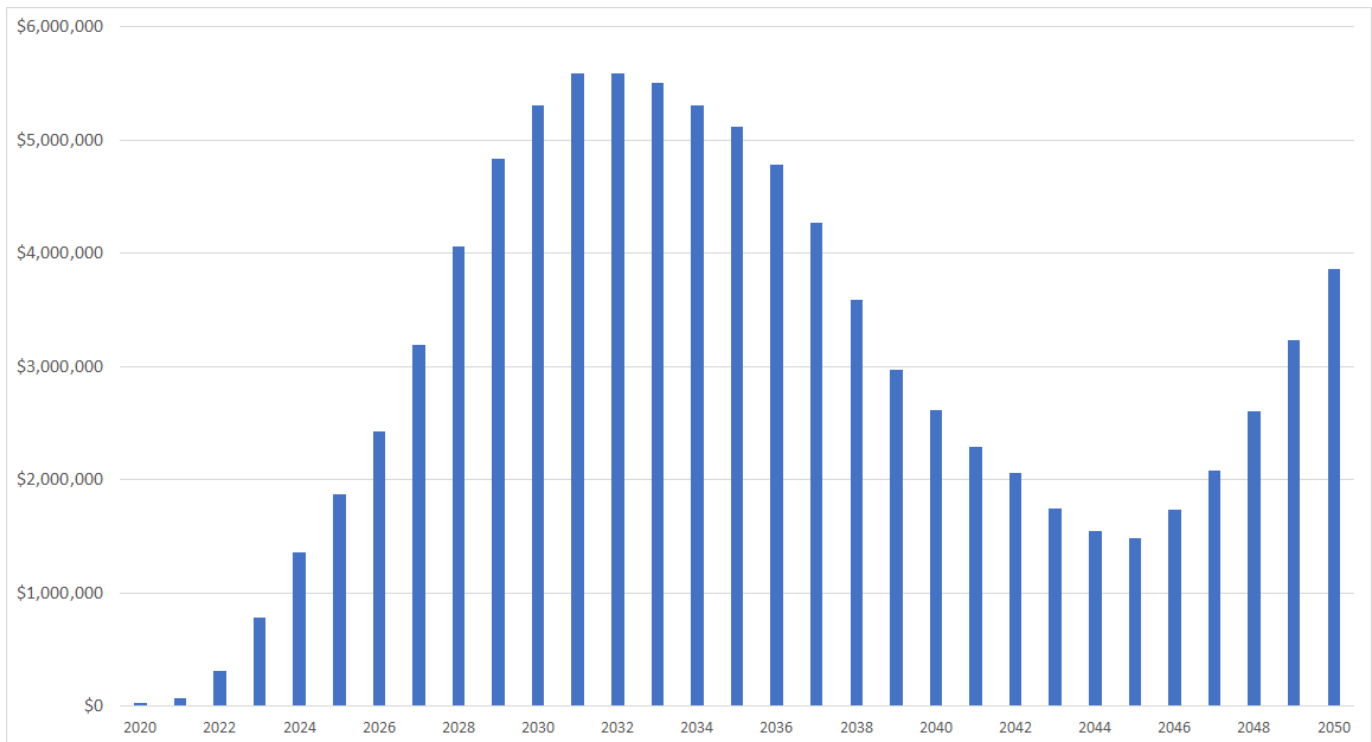
Figure 2– Regional Wastewater Long-Term Replacement Costs



Water System- Replacement

The average annual Water replacement costs, shown in Figure 3, increase annually and peak in 2031, just outside the Ten-Year Plan horizon. The oldest pipes in the District water system, cast iron pipes in Camp Parks, have now reached their useful life and will need to be replaced in the next ten years. There are five water pipeline replacement projects in the Ten-Year plan located within Camp Parks. The next oldest pipes in the water system are asbestos cement (AC) pipes which are also starting to reach the end of their useful life. There are four projects in the Ten-Year Plan that replace aging AC pipe.

Figure 3 – Water Long-Term Replacement Costs



Chapter 2: Budget Process

Capital Improvement Program Process

The development of the CIP is a coordinated process, occurring every two-years, and beginning with District staff identifying projects and preparing related descriptions, schedules, and cost estimates. Projects may be identified as a result of a master plan, study, regulatory requirement, or staff recommendation. Project requests are submitted for evaluation by the District Engineer. Several factors are considered in determining the need for each CIP project, including consistency with the District's Strategic Plan and established District Policies, the need to meet a regulatory mandate or requirement, impact to the District's capital fund reserves, and balancing project scheduling with available staffing. The recommended CIP is compiled and presented to the General Manager for review and input. The recommended CIP is next reviewed by the Board of Directors ("Board") at a work session, where the public has an opportunity to provide comments, before final adoption by the Board at a public hearing in late May or early June.

Budget Controls

Two-Year Project Budget

By Board adoption of the CIP Two-Year Budget, each project and program and their corresponding budget listed in the first two years (Fiscal Years 2020 and 2021) of the CIP Ten-Year Plan is authorized and may be fully expended with the following conditions:

- The total expenditures for each individual project shall not exceed the project total.
- The total allocated expenditures for the Two-Year Budget may be initiated in either FYE 2020 or 2021.

Additional project budget approval conditions are discussed in the following sections.

Project Approval from a Program

Approval authority for projects created from a program are consistent with the approval authority limits outlined in the District purchasing procedures:

- The general manager may approve a project of \$175,000 or less created from a program.
- The general manager may approve an increase in the budget of a project created from a program provided adequate program funds are available up to the general manager's authority of \$175,000.
- A project created from a program in excess of \$175,000 or a budget increase that is greater than the general manager's authority requires Board approval.

Program Budgets

Upon completion of a project created from a program, any unused funds are returned to the program provided it is in the same fiscal year. Funding allocated to program budgets are not cumulative from year to year. Program budgets that do not fund specific projects by the end of the fiscal period do not carry forward. Thus, the program's total expenditures shall not exceed the total program budget for each fiscal year. The Board must approve increases in a program budget.

CIP Budget Implementation

The general manager may authorize staff to complete the implementation process or use consultant and construction contracts in standard District form, task orders and purchase orders for services, equipment, materials and supplies up to the authority of \$175,000 per the District Purchasing Policy. In addition, the general manager has the authority to adjust contracts that were previously approved by the Board, up to the purchasing authority of \$175,000. All work authorized by the general manager or submitted to the Board for authorization shall be procured and managed in accordance with District purchasing procedures and Purchasing Policy.

Actions Requiring Board Approval

The following is a summary of project and budget actions requiring Board approval:

- Addition of a new project not created from a program
- Addition of a new project created from a program in excess of \$175,000
- Acceleration of a future project that had to unexpectedly start early in either FYE 2020 or 2021
- Increase in a project budget in excess of \$175,000
- Increase in a program budget
- Increase in a project budget where the revised project budget is in excess of \$175,000
- Authorization of contracts, task orders, purchases or construction contracts in excess of \$175,000

Chapter 3: Fund Overview

Revenues

The revenue in the replacement and expansion funds includes:

- Replacement Allocations (indirectly from rates)
- Capacity Reserve Fees (Expansion Component)
- Capacity Reserve Fees (Replacement Component)
- Interest
- Other Revenue

The Capital Improvement Program is funded by two main sources of revenue: rates and fees. Rates are collected from current customers and are used to pay normal operating costs. A portion of the rates is also allocated to the replacement funds (Replacement Allocations) to pay for capital projects that replace or improve facilities that benefit existing customers.

Capacity Reserve Fees are collected from development projects. The fees are used to pay for debt related to facilities that were built to add capacity for future customers and to pay for new projects that serve future customers. The District will often build a facility that is sized to meet capacity needs into the distant future. A buy-in component of the fee is collected for new development to pay for the use of existing excess capacity.

The revenues in the replacement funds are derived from replacement allocations from the operating fund rates and the buy-in component of capacity reserve fees. The revenues in the expansion funds are derived from capacity reserve fees as well as other revenue derived from permitting and inspection fees. In addition, each fund has interest revenue derived from the capital in the fund.

The revenue from fees is estimated based on the number of future water and wastewater connections anticipated with planned development provided by the cities of Dublin, Pleasanton, and San Ramon. The number of connections in the first two years are based on the planned development slated for those years. The number of projected connections over the remaining eight years of the plan are averaged over those years as the actual timing of development in the latter years is difficult to predict. The impact of developer use of capacity reserve fee credits have been accounted for by reducing the number of connections by the number of outstanding credits.

Expenditures

The expenditures in the replacement and expansion funds include:

- Capital Expenditures (project/program costs)
- Other Expenses (capital outlay, services, personnel costs)
- Inter-fund Loan Payments
- Debt Service
- Allocated District Overhead

In addition to the capital expenditures, the working capital also accounts for allocated district overhead and other expenses. The “other expenses” associated with Local Sewer Expansion fund (220) and Water Expansion fund (620) include labor and materials to complete plan check and inspection of developer dedicated infrastructure. The “other expenses” associated with the replacement funds include capital outlay, professional services, materials and personnel costs. The costs of capital outlay items are directed to the appropriate, rate based, replacement fund in order to make sure that the correct funds are funding the items.

Other expenditures include loan payments and debt service. Local Wastewater Replacement Fund (210) shows an interfund loan from Local Wastewater Expansion fund (220) that will be repaid over 5 years. Water Expansion fund (620) shows a DERWA loan that will be repaid in 2027, and another water loan to be repaid in 2042. Regional Expansion fund (320) shows LAVMWA debt service which will be repaid 2031.

Financial Reserves

The District’s Financial Reserves Policy designates financial reserves in order to protect the District’s investment in various assets, satisfy its commitments under its numerous financial, regulatory and contractual obligations and to stabilize long-term rates for its customers.

For capital replacement funds (210, 310, 610), the minimum reserve is twice the average annual expenditures in the fund based on the next 15 years of planned expenditure which includes the Ten-Year Plan plus an estimate of asset replacement needs for the subsequent five years.

For the expansion funds (220, 320, and 620), minimum reserve is the greater of two years debt service or the next two years of project expenditures.

Financial Summary by Fund

To assure the District has sufficient funds to maintain existing assets and to construct the facilities to meet the needs of new customers, the District projects the revenues and expenditures in the capital replacement and expansion funds over the ten-year CIP plan period and verifies the fund working capital is greater than the minimum financial reserve level as defined in the Financial Reserve Policy. A summary of the revenues and expenditures, and working capital trends in replacement and expansion funds is provided in this section.

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Local Wastewater Collection Replacement (Fund 210)

The Local Wastewater Replacement fund (Fund 210) funds projects which replace and improve local sewer facilities that transfer wastewater from the point of origin to the regional wastewater treatment plant. The fund minimum reserve is twice the average annual expense of the fifteen year CIP.

Revenue & Expenditures

The fund has three sources of revenue; 1) Capacity Reserve Fee (Buy-In), 2) Interest, and 3) Replacement Allocation. In the Two-Year Budget, the ratio of the revenue sources is 96/4/0, respectively. Of note, is the elimination of the replacement allocation in the first three years of the planning period, due to insufficient rate revenue in the Local Enterprise Fund. For planning purposes, the replacement allocation is shown as returning in Fiscal Year 2023, at \$675,000 annually. Capacity Reserve Fee revenue is based upon the 2018 Local Capacity Reserve Fee study, which increased the fee from \$1,969 to \$2,162 per dwelling unit equivalent, effective Fiscal Year 2019.

The fund has three expenditure types: 1) CIP Expenditures, 2) Interfund Loan Repayment, and 3) Other Expenses. The CIP expenditures, shown in more detail in Table 5 in the following section, include the Wastewater Collection System Replacement and Rehabilitation Program (00-S020) and various pipeline replacement projects identified by the 2019 Sewer Collection System Master Plan. The near-term project is the East Dublin 36-inch Trunk Sewer Rehabilitation (20-S013) in Fiscal Year 2020. In Fiscal Year 2018, the Local Expansion Fund loaned the fund \$5 million to cover the cost of critical projects, to be repaid over five years. Other expenses include minor equipment and professional services, as well as capital outlay. A closed circuit television (CCTV) truck is requested in Fiscal Year 2020, at a cost of \$500,000.

Working Capital

The loan from the Local Expansion fund replenished the working capital in the beginning two years, but will be repaid over the next five years. Coupled with the elimination of the replacement allocation, this results in a working capital below the minimum reserve target for Fiscal Years 2022 through 2026. This fund will benefit from a Fiscal Year 2022 Local Wastewater Rate Study to reevaluate the replacement allocation. The fund reached the reserve target in Fiscal Year 2027 and climbs to over \$4 million by Fiscal Year 2029.

Table 4 – Local Wastewater Collection Replacement Revenue, Expenditures, & Working Capital

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Replacement Allocations	CIP Expenditures	Interfund Loan Repay	Other Expenses	Working Capital
19-20	789	\$ 1,655,000	\$ 59,000	\$ -	\$ 1,598,000	\$ 833,333	\$ 518,000	\$ 5,941,000
20-21	557	\$ 1,204,000	\$ 58,000	\$ -	\$ 509,000	\$ 833,333	\$ 14,000	\$ 5,846,000
21-22	386	\$ 859,000	\$ 34,000	\$ -	\$ 2,439,000	\$ 833,333	\$ 12,000	\$ 3,455,000
22-23	386	\$ 885,000	\$ 16,000	\$ 675,000	\$ 2,589,000	\$ 833,333	\$ 12,000	\$ 1,597,000
23-24	386	\$ 911,000	\$ 3,000	\$ 675,000	\$ 2,029,000	\$ 833,333	\$ 12,000	\$ 313,000
24-25	386	\$ 939,000	\$ 14,000	\$ 675,000	\$ 479,000	\$ -	\$ 12,000	\$ 1,451,000
25-26	386	\$ 967,000	\$ 26,000	\$ 675,000	\$ 449,000	\$ -	\$ 12,000	\$ 2,659,000
26-27	386	\$ 996,000	\$ 31,000	\$ 675,000	\$ 1,221,000	\$ -	\$ 12,000	\$ 3,129,000
27-28	386	\$ 1,026,000	\$ 37,000	\$ 675,000	\$ 1,149,000	\$ -	\$ 12,000	\$ 3,706,000
28-29	386	\$ 1,057,000	\$ 43,000	\$ 675,000	\$ 1,149,000	\$ -	\$ 12,000	\$ 4,320,000

Figure 4 – Local Wastewater Replacement Fund Working Capital

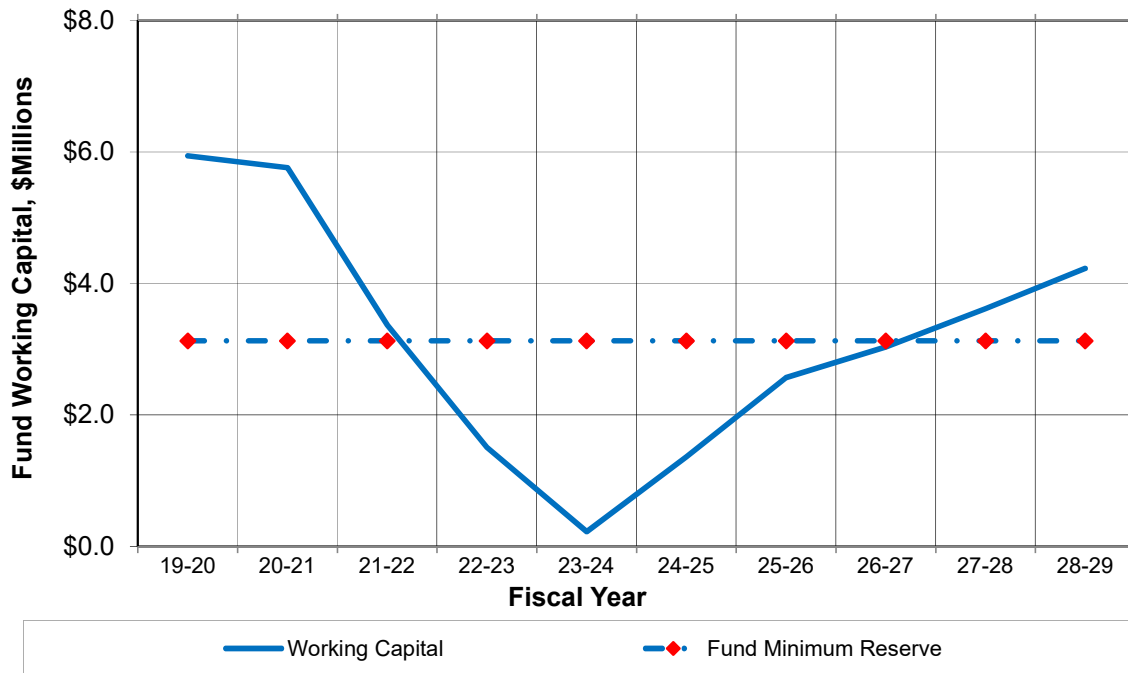
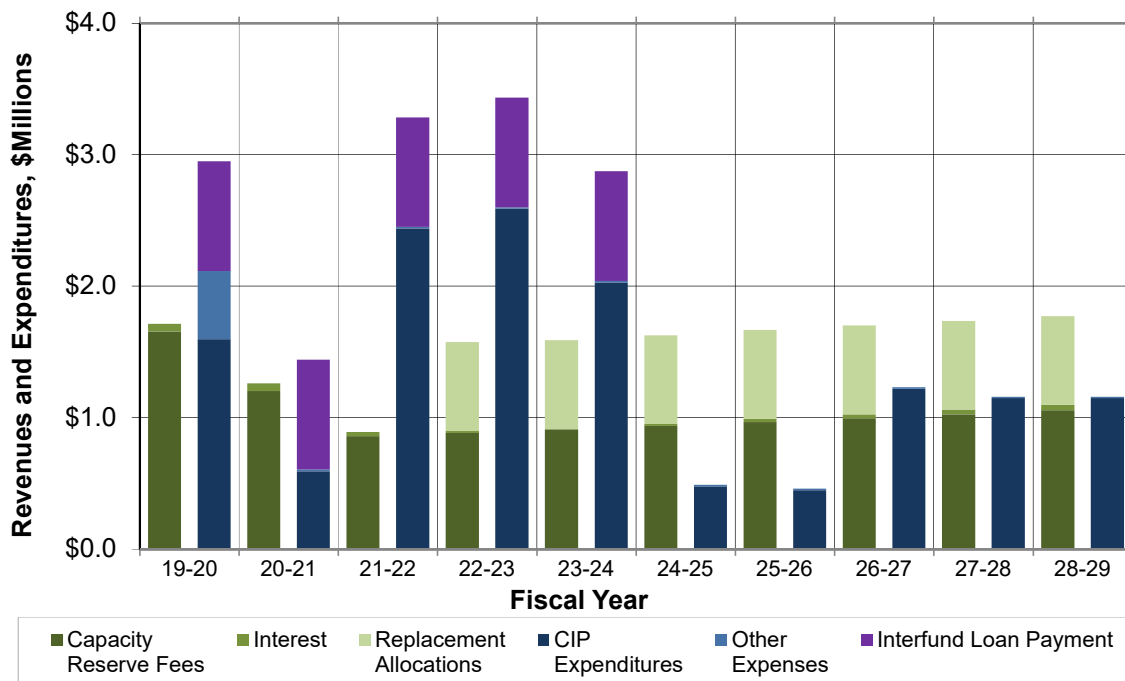


Figure 5 – Local Wastewater Replacement Fund Revenues & Expenditures



Local Wastewater Expansion (Fund 220)

The Local Wastewater Expansion fund (Fund 220) funds projects which expand or add local sewer facilities to accommodate increased wastewater flows from new development. The fund minimum reserve is the next two years' annual expense, plus two-year's average debt service.

Revenue & Expenditures

The fund has four sources of revenue; 1) Capacity Reserve Fee (Expansion), 2) Interest, 3) Interfund Loan Revenue, and 4) Other Revenue. In the Two-Year Budget, the ratio of the revenue sources is 3/3/56/38, respectively. The Capacity Reserve Fee revenue is based upon the 2018 Fee Study, which increased the fee (from \$1,969 to \$2,162 per dwelling unit equivalent). The fund will also receive Interfund loan revenue from the Local Replacement fund for the \$5 million loan (funded in 2018). The interfund loan is to be repaid over five years (Fiscal Years 2019 through 2024), at \$833,333 per year. Other revenues include plan check and inspection fees, which are estimated based on projected development.

The fund has three expenditure types: 1) CIP Expenditures, 2) Other Expenses, and 3) Allocated District Overhead. The CIP expenditures for Local Expansion, shown in more detail in Table 7 in the following section, include various pipeline projects identified by the 2019 Sewer Collection System Master Plan to upsize pipelines as a result of development. The primary project in the near-term is the Dublin Boulevard – Amador Plaza Road to Village Parkway (20-S014) in Fiscal Year 2021 and Fiscal Year 2022. Other expenses include personnel costs for construction inspection, and engineering technicians. These costs are offset by the plan check and inspection fee revenue. Allocated overhead is a function of the personnel costs included in the expenditures of this fund.

Working Capital

This fund is well established, remaining above the fund minimum target for the majority of the ten-years. The reduction in working capital after Fiscal Year 2026 is due to the Village Parkway – South of Dublin Boulevard (T20-06) project, estimated to cost \$2,832,000.

Table 6 – Local Wastewater Collection Expansion Revenue, Expenditures, & Working Capital

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Interfund Loan Revenue	Other Revenues	CIP Expenditures	Other Expenses	Allocated District Overhead	Working Capital
19-20	789	\$ 50,000	\$52,000	\$ 833,333	\$ 564,000	\$ 39,000	\$ 462,000	\$ 187,000	\$5,290,000
20-21	557	\$ 37,000	\$57,000	\$ 833,333	\$ 581,000	\$ 182,000	\$ 593,000	\$ 233,000	\$5,790,000
21-22	386	\$ 26,000	\$56,000	\$ 833,333	\$ 598,000	\$ 820,000	\$ 611,000	\$ 240,000	\$5,632,000
22-23	386	\$ 27,000	\$57,000	\$ 833,333	\$ 616,000	\$ 500,000	\$ 629,000	\$ 248,000	\$5,789,000
23-24	386	\$ 28,000	\$64,000	\$ 833,333	\$ 635,000	\$ -	\$ 648,000	\$ 255,000	\$6,445,000
24-25	386	\$ 29,000	\$62,000	\$ -	\$ 654,000	\$ -	\$ 668,000	\$ 263,000	\$6,260,000
25-26	386	\$ 29,000	\$57,000	\$ -	\$ 673,000	\$ 275,000	\$ 688,000	\$ 271,000	\$5,787,000
26-27	386	\$ 30,000	\$30,000	\$ -	\$ 694,000	\$ 2,557,000	\$ 708,000	\$ 279,000	\$2,996,000
27-28	386	\$ 31,000	\$27,000	\$ -	\$ 714,000	\$ -	\$ 729,000	\$ 287,000	\$2,753,000
28-29	386	\$ 32,000	\$25,000	\$ -	\$ 736,000	\$ -	\$ 751,000	\$ 296,000	\$2,498,000

Figure 4 – Local Wastewater Replacement Fund Working Capital

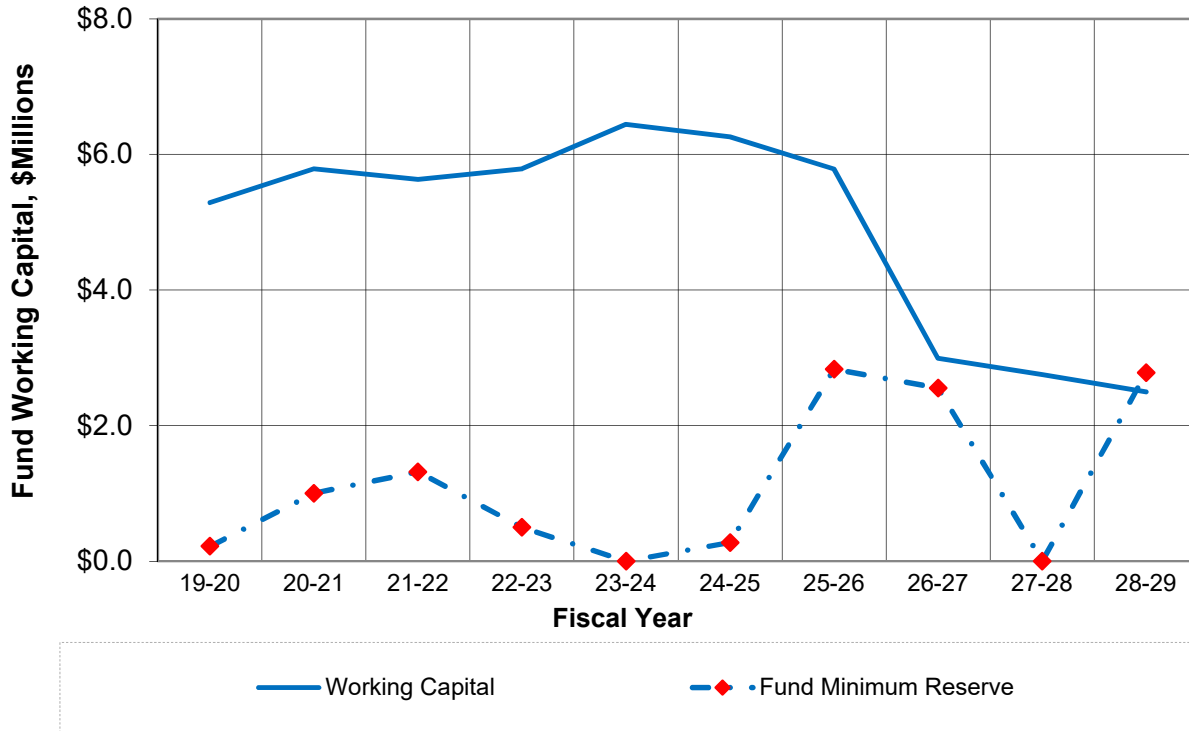
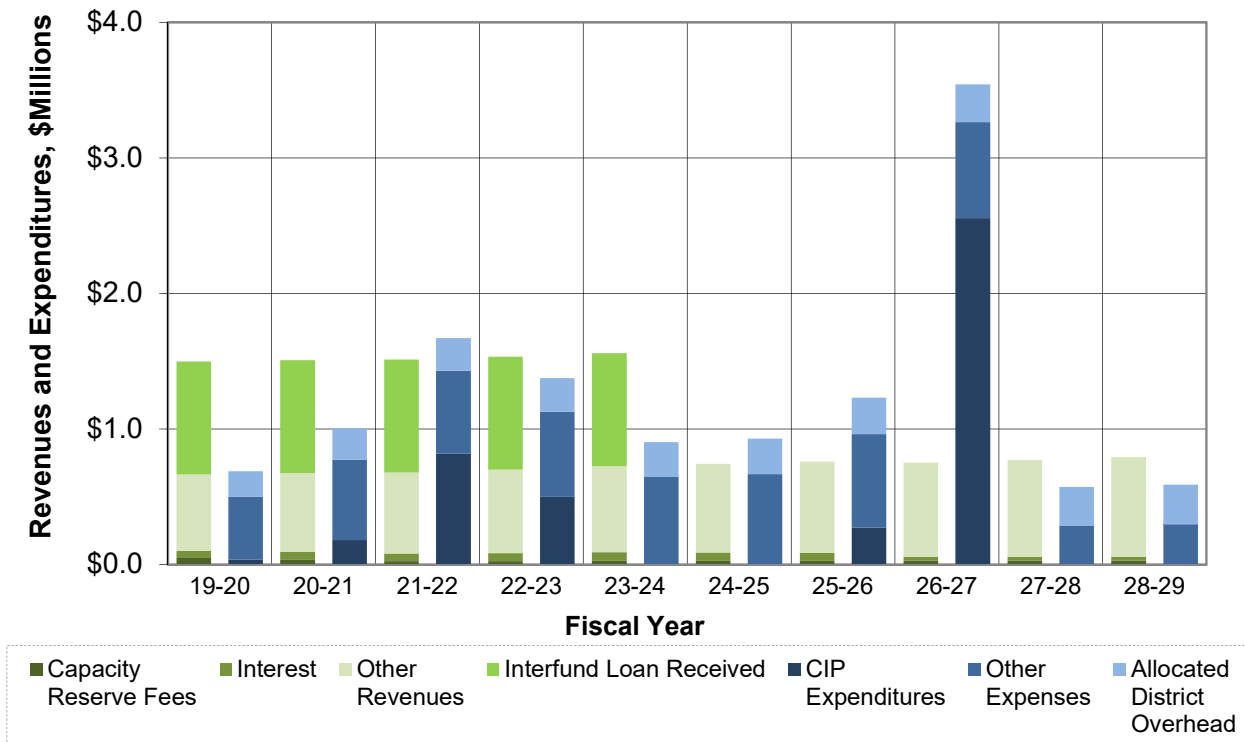


Figure 5 – Local Wastewater Replacement Fund Revenues & Expenditures



Regional Wastewater Treatment Replacement (Fund 310)

The Regional Wastewater Replacement fund (Fund 310) funds projects which replace and improve the existing Regional Wastewater Treatment Plant processes and facilities. The plant treats the wastewater collected from the DSRSD local collection system as well as the was wastewater flows from the City of Pleasanton before further treatment for recycled water or conveyance through the Livermore-Amador Valley Water Management Agency (LAVWMA) pipeline to the San Francisco Bay for disposal. The fund minimum reserve is twice the average annual expense of the fifteen year CIP.

Revenue & Expenditures

The fund has three sources of revenue; 1) Capacity Reserve Fee (Buy-In), 2) Interest, and 3) Replacement Allocation. In the Two-Year Budget, the ratio of the revenue sources is 52/44/4, respectively. The revenue from the Capacity Reserve Fee buy is based on the Regional Capacity Reserve Fee Study that was adopted in November 2018.

The fund has two expenditure types: 1) CIP Expenditures, and 2) Other Expenses. The CIP near-term expenditures are primarily the fund's contribution to the Primary Sedimentation and Expansion, Biogas Treatment System Improvements, Biogas Flare Improvements, and SCADA Improvements projects. The RWTF Replacement and Rehabilitation Program represents considerable expenditures in this fund increasing from \$500,000 in 2020 to \$3,500,000 in 2029. There is a spike in the expenditures in the last year of the ten year plan to account for process improvements required to meet anticipated National Pollutant Discharge Elimination System (NPDES) permit requirements to address nutrient discharges to the San Francisco Bay. All CIP expenditures are shown in more detail in Table 9 in the following section. The other expenses in the fund are mainly capital outlay which includes replacement of aging equipment at the Wastewater Treatment Plant.

Working Capital

The working capital in this fund slowly increases over time in anticipation of rehabilitation and replacement costs projected beyond the ten-year plan horizon based on the asset management replacement model.

Table 8 – Regional Wastewater Treatment Replacement Revenue, Expenditures, & Working Capital

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Replacement Allocations	CIP Expenditures	Other Expenses	Working Capital
19-20	789	\$ 3,122,000	\$ 244,000	\$ 3,130,000	\$ 6,493,000	\$ 1,239,000	\$ 24,632,000
20-21	557	\$ 2,377,000	\$ 221,000	\$ 3,340,000	\$ 7,388,000	\$ 822,000	\$ 22,360,000
21-22	387	\$ 2,001,000	\$ 232,000	\$ 3,550,000	\$ 4,297,000	\$ 415,000	\$ 23,431,000
22-23	387	\$ 2,387,000	\$ 235,000	\$ 3,760,000	\$ 5,633,000	\$ 427,000	\$ 23,753,000
23-24	387	\$ 2,459,000	\$ 260,000	\$ 3,970,000	\$ 3,733,000	\$ 440,000	\$ 26,268,000
24-25	387	\$ 2,532,000	\$ 300,000	\$ 4,180,000	\$ 2,499,000	\$ 453,000	\$ 30,329,000
25-26	387	\$ 2,608,000	\$ 345,000	\$ 4,390,000	\$ 2,374,000	\$ 467,000	\$ 34,831,000
26-27	387	\$ 2,319,000	\$ 381,000	\$ 4,600,000	\$ 3,174,000	\$ 481,000	\$ 38,476,000
27-28	387	\$ 2,389,000	\$ 416,000	\$ 4,600,000	\$ 3,374,000	\$ 496,000	\$ 42,012,000
28-29	387	\$ 2,232,000	\$ 386,000	\$ 4,600,000	\$ 9,778,000	\$ 510,000	\$ 38,941,000

Figure 8 – Regional Wastewater Replacement Fund Working Capital

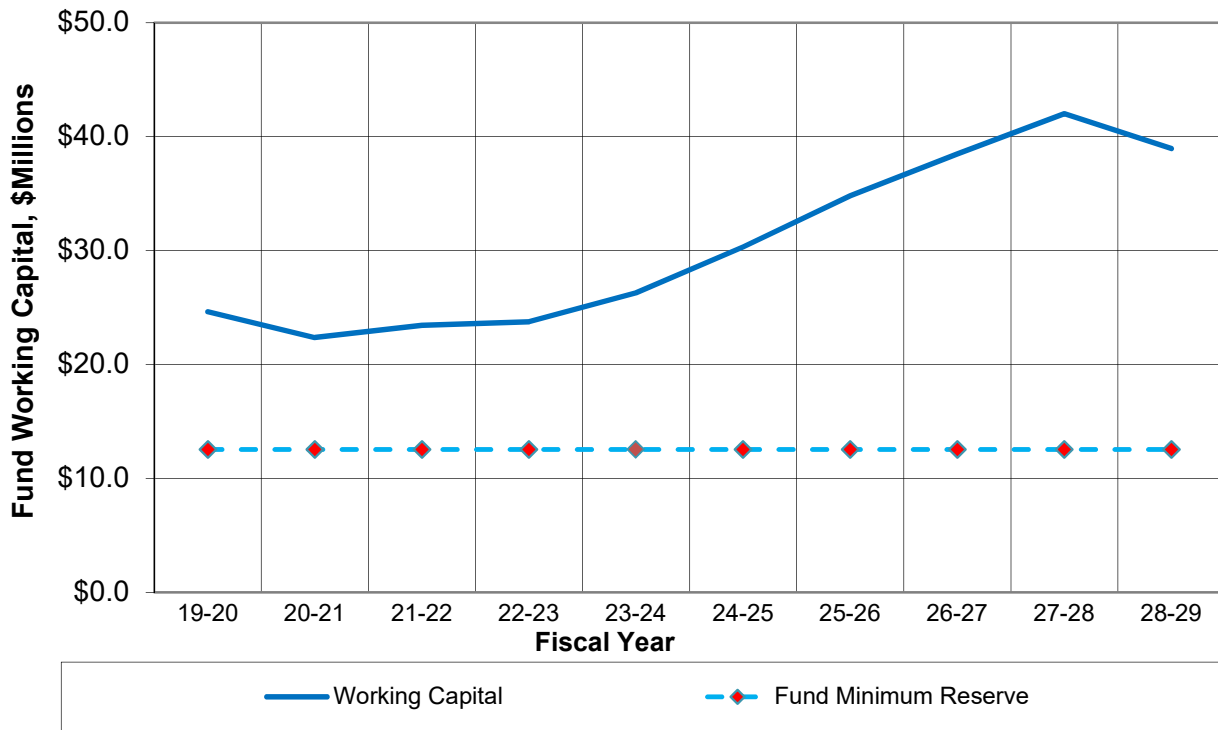
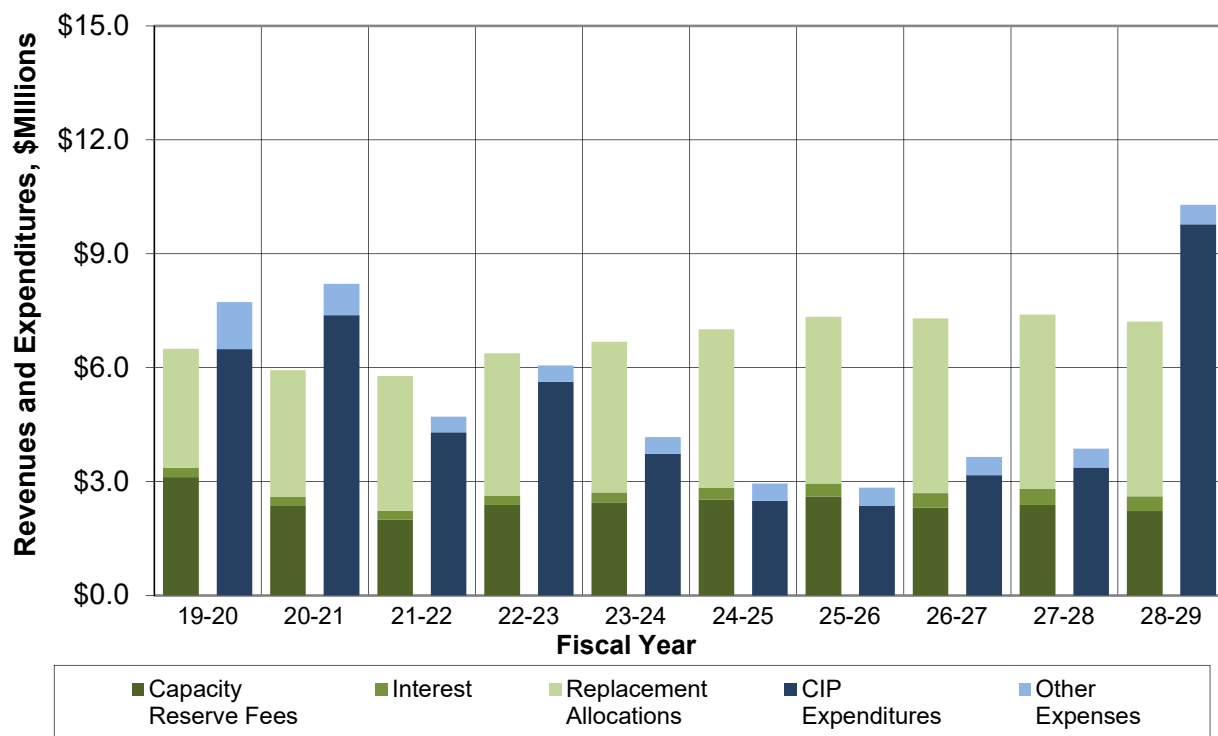


Figure 9 – Regional Wastewater Replacement Fund Revenues & Expenditures



Regional Wastewater Expansion (Fund 320)

The Regional Wastewater Replacement fund (Fund 320) funds projects which expand or add to the wastewater treatment process to accommodate future wastewater flows, ultimately conveyed through the LAVWMA pipeline to the San Francisco Bay for disposal. The fund minimum reserve is the next two years' annual expense, plus two-year's average debt service.

Revenue & Expenditures

The fund has three sources of revenue; 1) Capacity Reserve Fee (Buy-In), 2) Interest, and 3) Other Revenues. In the Two-Year Budget, the ratio of the revenue sources is 93/6/1, respectively. The revenue from the Capacity Reserve Fee buy is based on the Regional Capacity Reserve Fee Study that was adopted in November 2018.

The fund has three expenditure types: 1) CIP Expenditures, 2) Debt Service and, 3) Other Expenses. The CIP near-term expenditures include the fund's contribution to the Primary Sedimentation and Expansion (17-P004) and Biogas Treatment System Improvements (16-P028) projects. The other significant project is the first phase of the Biosolids Dewatering (18-P013) project which includes \$14.3 million in expenditures from 2022 to 2024, with \$12.1 million in 2024 alone. All CIP expenditures are shown in more detail in Table 11 in the following section. The LAVWMA debt service for this fund is approximately \$4.3 million annually, ending in fiscal year 2032. Other expenses, which cover personnel costs for plan check and permitting, are minor in comparison.

Working Capital

The final working capital in this fund, approximately \$38 million, will be needed to fund future anticipated projects, including the fund's contribution to projects to meet the NPDES permit requirements. The working capital will also need to cover the remaining LAVWMA debt payments.

Table 10 – Regional Wastewater Treatment Expansion Revenue, Expenditures, & Working Capital

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Other Revenues	CIP Expenditures	Debt Service	Other Expenses	Allocated District Overhead	Working Capital
19-20	789	\$8,804,000	\$533,000	\$ 43,000	\$ 6,573,000	\$ 4,344,000	\$ 107,000	\$ 36,000	\$53,824,000
20-21	557	\$6,591,000	\$492,000	\$ 43,000	\$ 6,828,000	\$ 4,314,000	\$ 114,000	\$ 45,000	\$49,648,000
21-22	387	\$5,420,000	\$469,000	\$ 43,000	\$ 3,687,000	\$ 4,311,000	\$ 118,000	\$ 46,000	\$47,419,000
22-23	387	\$6,353,000	\$464,000	\$ 43,000	\$ 2,948,000	\$ 4,311,000	\$ 121,000	\$ 48,000	\$46,851,000
23-24	387	\$6,431,000	\$367,000	\$ 43,000	\$ 12,120,000	\$ 4,333,000	\$ 125,000	\$ 49,000	\$37,065,000
24-25	387	\$6,512,000	\$391,000	\$ 43,000	\$ -	\$ 4,313,000	\$ 129,000	\$ 51,000	\$39,519,000
25-26	387	\$6,595,000	\$417,000	\$ 43,000	\$ -	\$ 4,313,000	\$ 133,000	\$ 53,000	\$42,075,000
26-27	387	\$5,767,000	\$434,000	\$ 43,000	\$ -	\$ 4,327,000	\$ 137,000	\$ 55,000	\$43,801,000
27-28	387	\$5,843,000	\$428,000	\$ 43,000	\$ 2,358,000	\$ 4,312,000	\$ 141,000	\$ 57,000	\$43,248,000
28-29	387	\$5,370,000	\$380,000	\$ 43,000	\$ 6,170,000	\$ 4,313,000	\$ 145,000	\$ 59,000	\$38,355,000

Figure 10 – Regional Wastewater Expansion Fund Working Capital

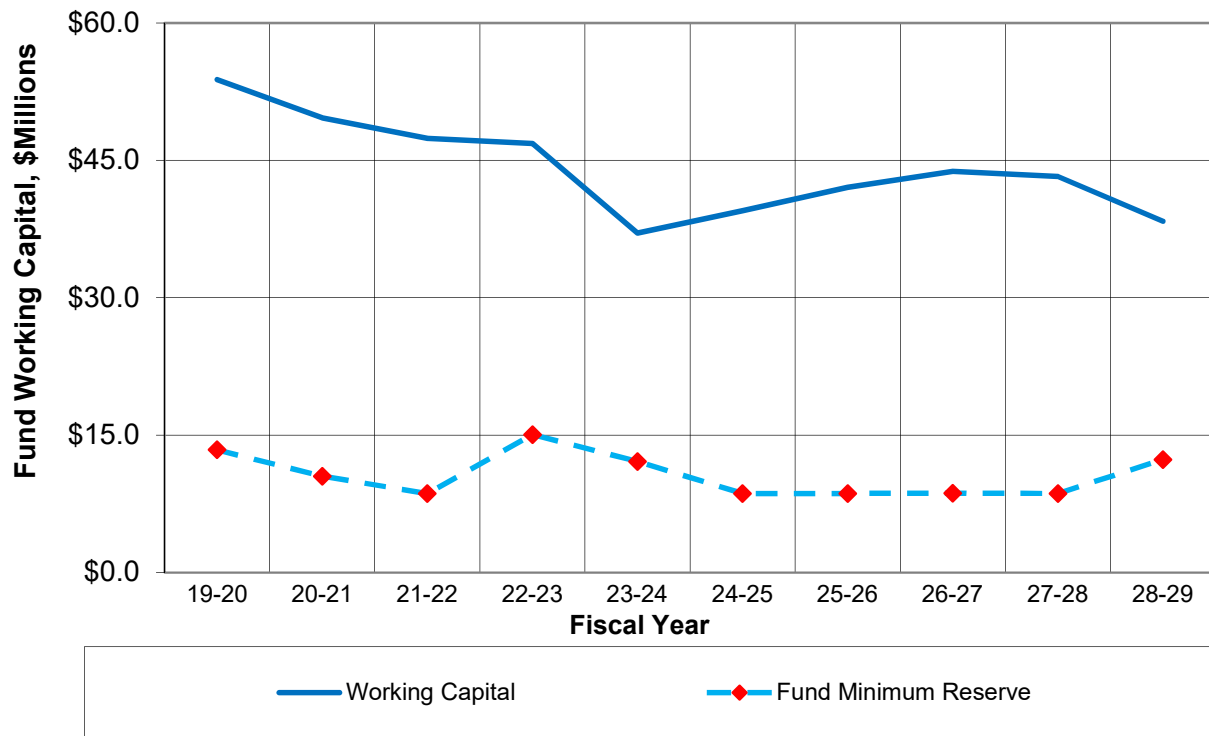
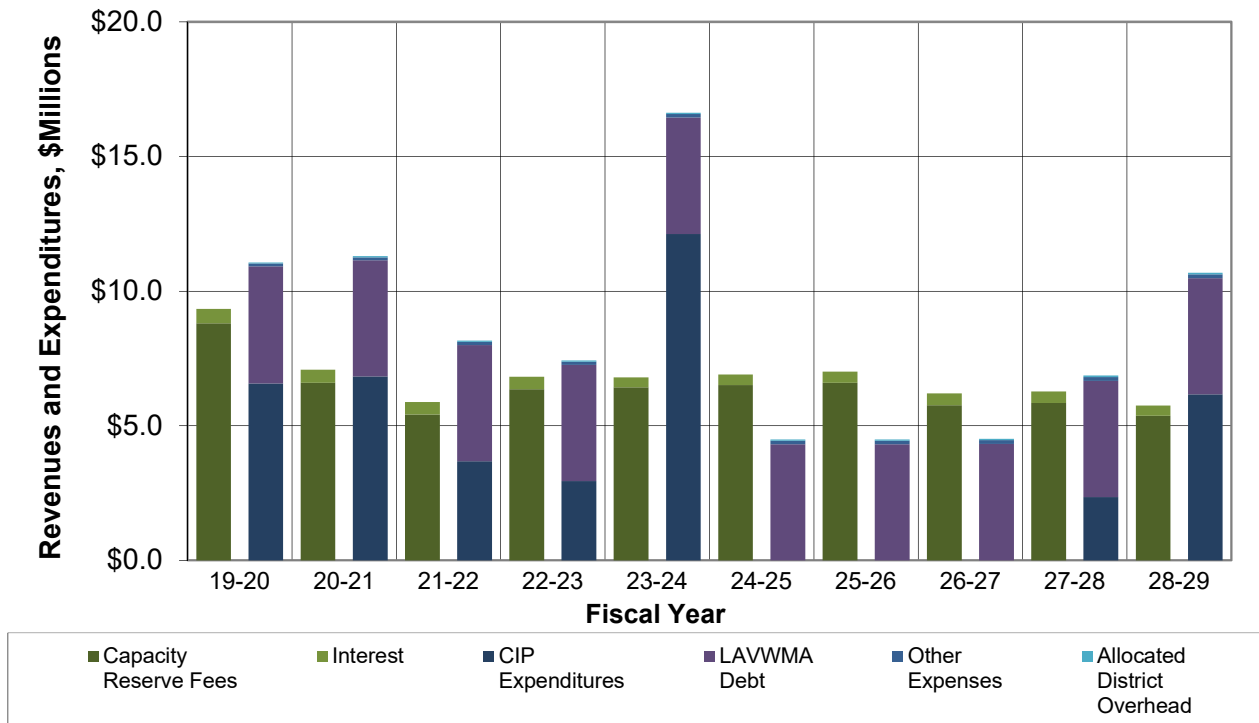


Figure 11 – Regional Wastewater Expansion Fund Revenues & Expenditures



Water Replacement (Fund 610)

The Water Replacement fund (Fund 610) funds projects which replace and improve facilities to treat recycled water, as well as the pipelines, pump stations, reservoirs, and related appurtenances to distribute potable water (from the Zone 7 turnouts to the customers and recycled water from the DERWA turnouts to the recycled water customers). The fund minimum reserve is twice the average annual expense of the fifteen year CIP.

Revenue & Expenditures

The fund has three sources of revenue; 1) Capacity Reserve Fee (Buy-In), 2) Interest, and 3) Replacement Allocation. In the Two-Year Budget, the ratio of the revenue sources is 32/4/64, respectively. The primary source of revenue to this fund is the replacement allocation from the Water Enterprise Fund, studied recently as part of the 2019 Water Rate Study. The secondary source of revenue to the Water Replacement Fund is the buy-in component of the Capacity Reserve Fee.

The fund has two expenditure types: 1) CIP Expenditures, and 2) Other Expenses. There are several priority projects in this fund, including the Valve and Blow-Off Replacement Project (19-W004), and Potable Water Pump Station Standby Generators/Emergency Response Project (16-W012). The Capital Improvements to Increase Water Supply Program – Phase 2 (00-W002), budgeted at \$30 million in this fund, comprises a large share of the total CIP expenditures, as well as the Water System Replacement and Rehabilitation Program (00-W011). All CIP expenditures are shown in more detail in Table 13 in the following section. Other expenses include capital outlay and materials.

Working Capital

While this fund is projected to spend \$30 million on alternative water supplies over Fiscal Year 2025 through 2027, per recent discussions with the Board of Directors, this project may also be debt funded. The working capital in this fund is well established to address future expenditures, remaining above the reserve target for the entire planning period, and in anticipation of rehabilitation and replacement costs projected beyond the ten-year plan horizon based on the asset management replacement model.

Table 12 – Water System Replacement Revenue, Expenditures, & Working Capital

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Replacement Allocations	CIP Expenditures	Other Expenses	Working Capital
19-20	795	\$ 3,258,000	\$ 317,000	\$ 5,495,000	\$ 7,149,000	\$ 523,000	\$ 31,976,000
20-21	523	\$ 2,208,000	\$ 323,000	\$ 5,495,000	\$ 7,153,000	\$ 220,000	\$ 32,632,000
21-22	378	\$ 1,644,000	\$ 358,000	\$ 5,495,000	\$ 3,772,000	\$ 227,000	\$ 36,134,000
22-23	378	\$ 1,693,000	\$ 309,000	\$ 5,495,000	\$ 10,981,000	\$ 1,400,000	\$ 31,254,000
23-24	378	\$ 1,744,000	\$ 342,000	\$ 5,095,000	\$ 3,654,000	\$ 234,000	\$ 34,550,000
24-25	378	\$ 1,796,000	\$ 354,000	\$ 5,095,000	\$ 5,781,000	\$ 241,000	\$ 35,777,000
25-26	378	\$ 1,850,000	\$ 294,000	\$ 5,095,000	\$ 13,058,000	\$ 248,000	\$ 29,715,000
26-27	378	\$ 1,905,000	\$ 166,000	\$ 5,095,000	\$ 19,885,000	\$ 255,000	\$ 16,744,000
27-28	378	\$ 1,962,000	\$ 204,000	\$ 5,095,000	\$ 3,132,000	\$ 263,000	\$ 20,614,000
28-29	378	\$ 2,021,000	\$ 245,000	\$ 5,095,000	\$ 2,983,000	\$ 271,000	\$ 24,725,000

Figure 12 - Water Replacement Fund Working Capital

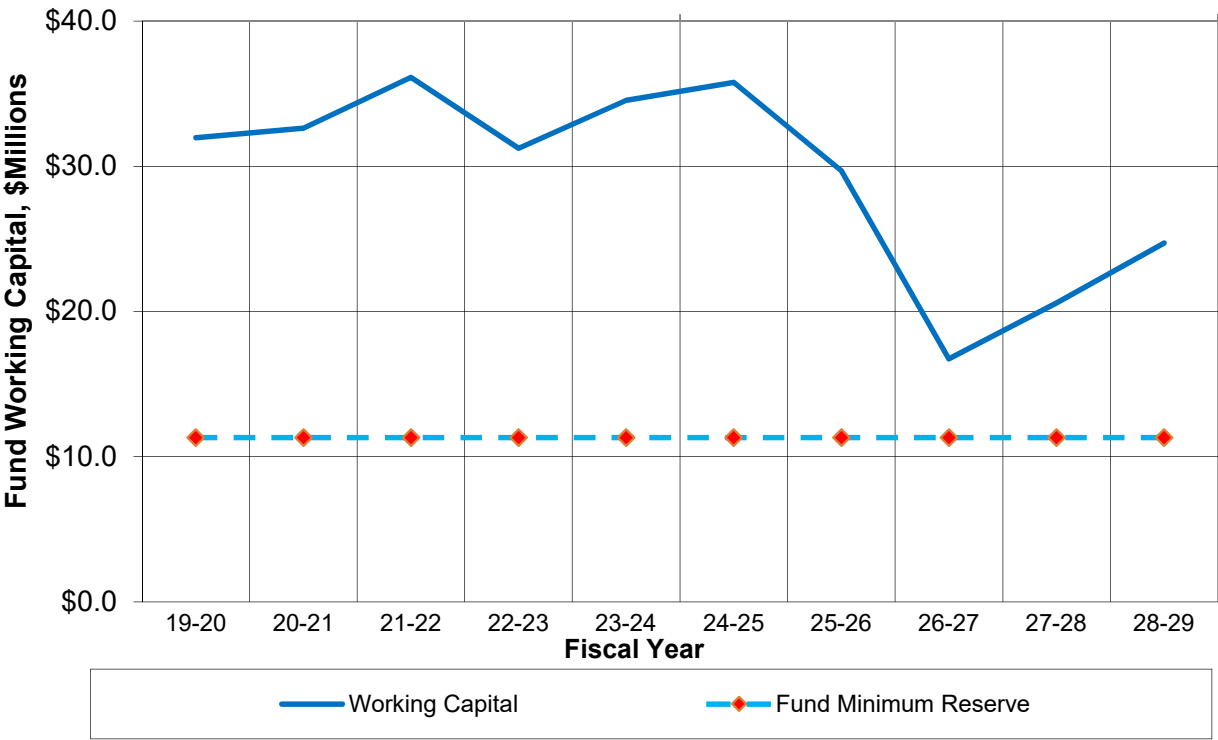
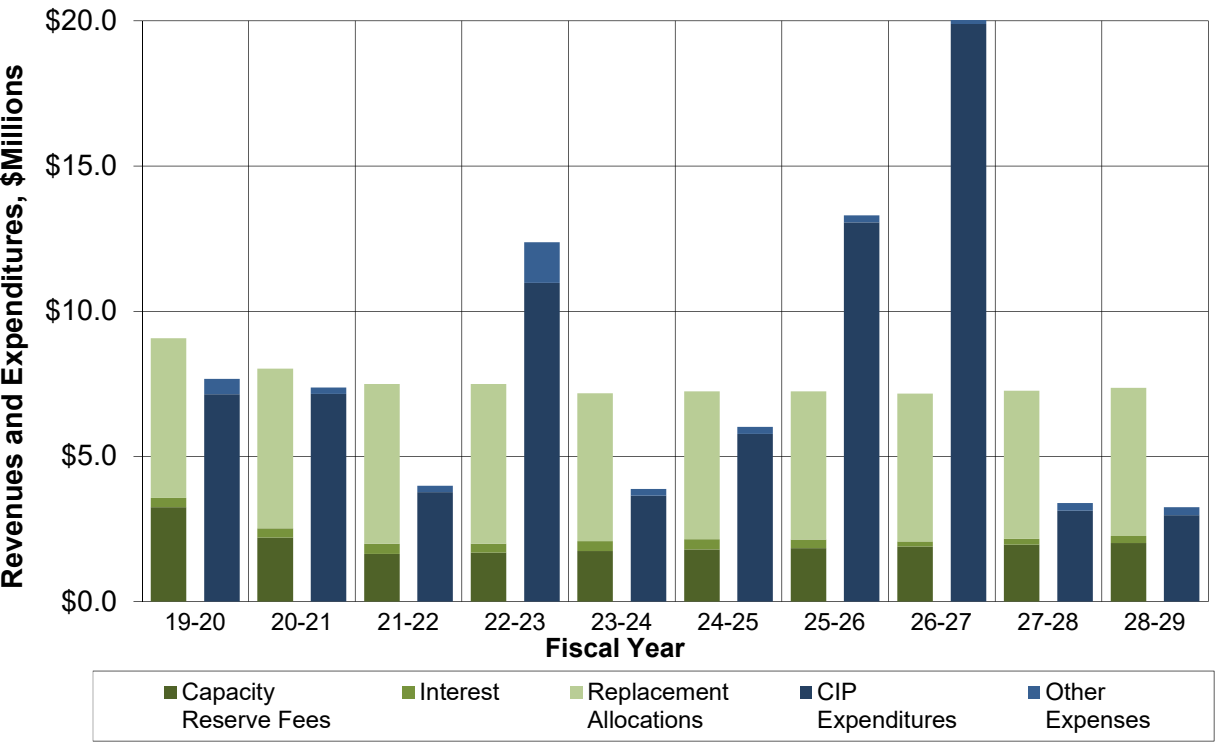


Figure 13 - Water Replacement Fund Revenues & Expenditures



Water Expansion (Fund 620)

The Water Expansion fund (Fund 620) funds projects which expand or add facilities to treat recycled water and to distribute potable and recycled water. The fund minimum reserve is the next two years' annual expense, plus two-year's average debt service.

Revenue & Expenditures

The fund has three sources of revenue; 1) Capacity Reserve Fee, 2) Interest, and 3) Other Revenues. In the Two-Year Budget, the ratio of the revenue sources is 79/2/19, respectively. The primary source of revenue to this fund is from Capacity Reserve Fees. Other revenues include plan check and inspection fees, which are estimated based on projected development.

The fund has four expenditure types: 1) CIP Expenditures, and 2) Debt Service, 3) Other Expenses, and 4) Allocated Overhead. The primary, near-term CIP expenditures include the construction of Reservoir 20B (14-W008), budgeted at \$7 million. Other large projects include the construction of Turnout 6 (17-W003), and the fund's share of the Capital Improvements to Increase Water Supply Program – Phase 2 (00-W002). All CIP expenditures are shown in more detail in Table 15 in the following section. The fund is also responsible for the debt service for 2018 refinanced water bond repayment, through 2042 and the DERWA Loan, through 2027. Other expenses include personnel costs for construction inspection, and engineering technicians. These costs are offset by the plan check and inspection fee revenue. Allocated overhead is a function of the aforementioned personnel costs.

Working Capital

This fund has seen the most significant changes from the last review, including the increase and acceleration of the Turnout 6 project (20-W015), and the increase to the construction cost for Reservoir 10A (17-W003). This fund is reliant upon development related fees, and in the event of a downturn in the economy, these projects will be evaluated and deferred if necessary. Staff is closely monitoring the development revenue to ensure a healthy fund balance in the fund. Staff will also undertake a Water Capacity Reserve Fee in Fiscal Year 2020, assessing the increased costs mentioned above to generate appropriate revenue for these projects. For the majority of the ten-year period, the working capital remains at or just below fund minimum reserve target.

Table 14 – Water System Expansion Revenue, Expenditures, & Working Capital

Fiscal Year	DUEs	Capacity Reserve Fees	Interest	Other Revenues	CIP Expenditures	Debt Service	DERWA Debt Service	Other Expenses	Allocated District Overhead	Working Capital
19-20	795	\$7,375,000	\$289,000	\$1,432,000	\$ 3,040,000	\$ 1,881,000	\$ 823,000	\$1,223,000	\$ 252,000	\$ 29,183,000
20-21	523	\$4,933,000	\$258,000	\$1,475,000	\$ 6,172,000	\$ 1,881,000	\$ 823,000	\$1,280,000	\$ 314,000	\$ 26,055,000
21-22	378	\$3,626,000	\$136,000	\$1,519,000	\$13,866,000	\$ 1,892,000	\$ 846,000	\$1,318,000	\$ 325,000	\$13,766,000
22-23	378	\$3,689,000	\$ 46,000	\$1,565,000	\$10,646,000	\$ 1,889,000	\$ 846,000	\$1,357,000	\$ 336,000	\$ 4,667,000
23-24	378	\$3,753,000	\$ 56,000	\$1,612,000	\$ 662,000	\$ 1,890,000	\$ 846,000	\$1,398,000	\$ 348,000	\$ 5,618,000
24-25	378	\$3,820,000	\$ 65,000	\$1,660,000	\$ 769,000	\$ 1,890,000	\$ 846,000	\$1,440,000	\$ 360,000	\$ 6,532,000
25-26	378	\$3,820,000	\$ 51,000	\$1,710,000	\$ 3,019,000	\$ 1,889,000	\$ 846,000	\$1,483,000	\$ 372,000	\$ 5,178,000
26-27	378	\$3,820,000	\$ 12,000	\$1,761,000	\$ 5,694,000	\$ 2,332,000	\$ 333,000	\$1,528,000	\$ 386,000	\$ 1,173,000
27-28	378	\$3,820,000	\$ 29,000	\$1,814,000	\$ 19,000	\$ 2,620,000	\$ -	\$1,574,000	\$ 399,000	\$ 2,898,000
28-29	378	\$3,820,000	\$ 6,000	\$1,868,000	\$ -	\$ 2,613,000	\$ -	\$1,621,000	\$ 413,000	\$ 627,000

Figure 14 - Water Expansion Fund Working Capital

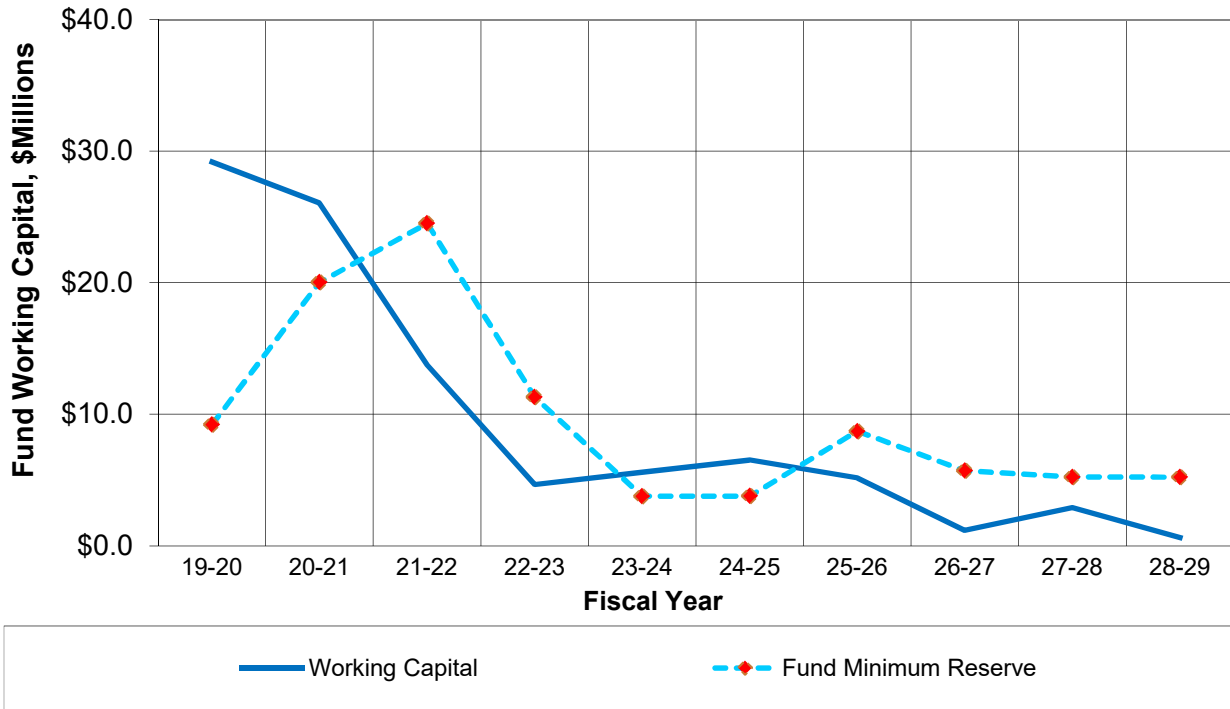
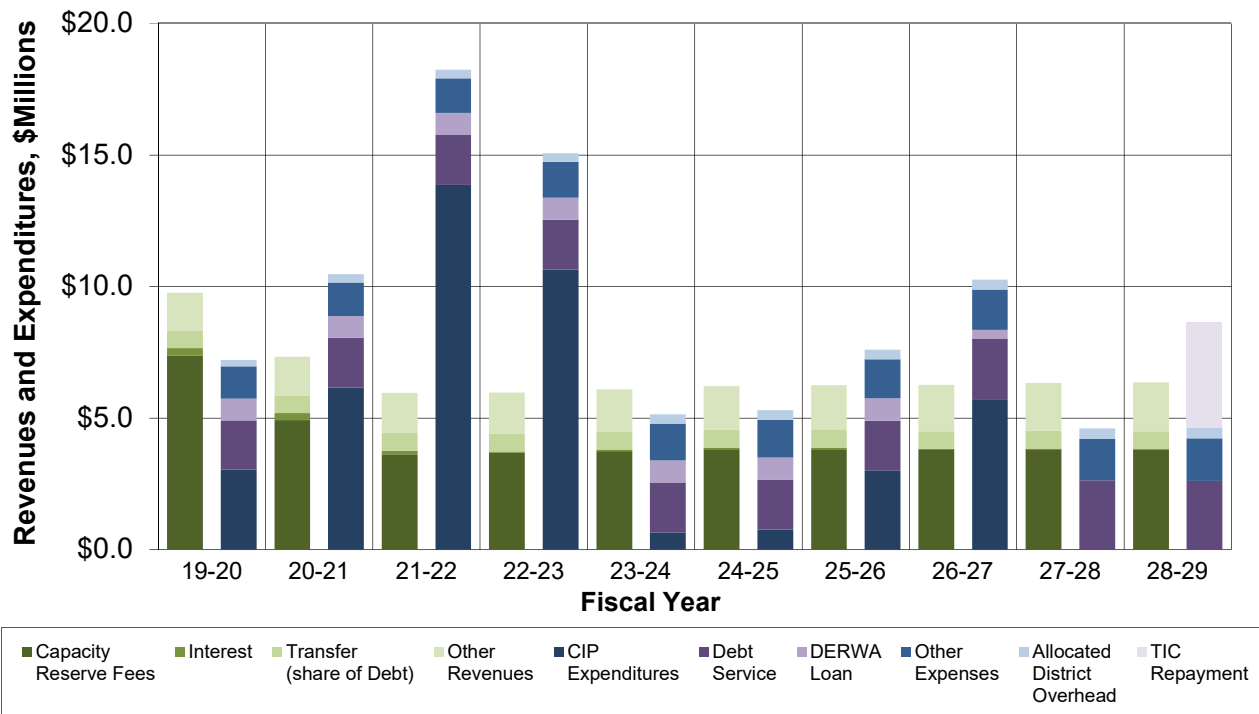


Figure 15 - Water Expansion Fund Revenues & Expenditures



Project Expenditures by Fund

The following tables present CIP Project expenditures by fund. The amounts shown are the District's costs, net of any grants or other funding. The tables illustrate the portion of estimated cash flow allocated to each fund. When a project is funded by multiple funds, it will appear multiple times, at the appropriate allocated percentage. Expenditures in the "Future" columns include the estimate of expenditures for the next five years beyond the ten-year planning period.

Table 5 – Local Replacement (Fund 210)

Table 7 – Local Expansion (Fund 220)

Table 9 – Regional Replacement (Fund 310)

Table 11 – Regional Expansion (Fund 320)

Table 13 – Water Replacement (Fund 610)

Table 15 – Water Expansion (Fund 610)

Table 5 - Project Expenditures by Fund (Local Replacement)

CIP 10-Year Plan for Fiscal Years Ending 2020 through 2029

Portion of Estimated Cashflow Allocated to Local Wastewater Replacement (Fund 210)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	210 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
General														
20-A024	Field Operations Facility - Skylight Replacements	15%	12,000	0	0	0	0	0	0	0	0	0	0	12,000
19-A007	Manhole and Water Valve Adjustments FYE 2019	32%	0	0	0	0	0	0	0	0	0	0	0	0
16-A004	Board Meeting Audio/Video Improvements	10%	45,000	0	0	0	0	0	0	0	0	0	0	45,000
19-A005	District Office Renovation	10%	207,872	0	0	0	0	0	0	0	0	0	0	207,872
20-A002	Enterprise Resource Program System Conversion	12%	90,600	90,600	0	0	0	0	0	0	0	0	0	181,200
20-A004	District Office Roof Repair	12%	21,000	0	0	0	0	0	0	0	0	0	0	21,000
00-A003	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
16-A005	Corporation Yard and Administrative Facilities	10%	56,070	13,489	0	0	0	0	0	0	0	0	0	69,559
T20-13	Gleason Drive Property Planning Study	10%	0	0	0	0	0	0	0	0	0	0	20,000	20,000
20-A001	Computing Infrastructure Replacement	12%	0	19,200	14,400	0	0	0	0	0	0	0	0	33,600
17-A007	Wide Area Network Communications Phase 2	10%	0	0	8,500	0	0	0	0	0	0	0	0	8,500
T18-23	Fleet Replacement PROGRAM	20%	0	0	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	300,000	780,000
T18-24	Facilities Asset Replacement PROGRAM	2%	0	0	8,600	8,600	8,600	8,600	8,600	8,600	8,600	8,600	43,000	111,800
T18-02	Network Infrastructure and Security	12%	0	0	0	0	30,000	30,000	0	60,000	0	0	0	120,000
T18-17	Electric Vehicle Charging Station	12%	0	0	0	0	0	0	0	12,000	0	0	0	12,000
Regional Wastewater Treatment														
18-P008	RWTF Industrial Control Network Security Essentials	11%	25,522	5,500	0	0	0	0	0	0	0	0	0	31,022
Wastewater Collection														
T20-05	Dublin Court and Dublin Boulevard Sewer Replacement	100%	0	0	0	200,000	550,000	0	0	0	0	0	0	750,000
00-S020	Wastewater Collection System Replacement and Rehabilitation PROGRAM	100%	300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,000,000	1,000,000	1,000,000	9,000,000	14,100,000
18-S006	San Ramon Golf Course 24" Trunk Sewer Rehabilitation	100%	0	0	557,500	0	0	0	0	0	0	0	0	557,500

Portion of Estimated Cashflow Allocated to Local Wastewater Replacement (Fund 210)

**Amounts shown are District costs net of grants and other fundings*

CIP No.	Project Name	210 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
18-S007	Alcosta Blvd Sewer Replacement	100%	0	0	63,500	416,875	0	0	0	0	0	0	0	480,375
14-S001	Camp Parks Sewer Rehabilitation Project - Goodfellow Ave North of 8th Street	100%	0	0	389,215	0	0	0	0	0	0	0	0	389,215
T14-02	Camp Parks Sewer Rehabilitation Project - Davis and Cromwell, 8th to 10 Streets	100%	0	0	0	1,113,480	0	0	0	0	0	0	0	1,113,480
20-S013	East Dublin 36" Trunk Sewer Rehabilitation	100%	737,600	0	0	0	0	0	0	0	0	0	0	737,600
14-S002	Camp Parks Sewer Rehabilitation Project - Adams 8th to 10th Streets	100%	0	0	469,740	0	0	0	0	0	0	0	0	469,740
T16-50	Iron Horse Trail Sewer Replacement	100%	0	0	487,764	0	0	0	0	0	0	0	0	487,764
08-2101	Donahue Dr./Vomac Rd. Relief Sewer	100%	0	0	0	410,000	1,000,000	0	0	0	0	0	0	1,410,000
Water System														
15-W004	Dougherty Road Utilities	10%	22,500	0	0	0	0	0	0	0	0	0	0	22,500
			1,598,164	508,789	2,439,219	2,588,955	2,028,600	478,600	448,600	1,220,600	1,148,600	1,148,600	9,763,000	23,371,727

Table 7 - Project Expenditures by Fund (Local Expansion)

CIP 10-Year Plan for Fiscal Years Ending 2020 through 2029

Portion of Estimated Cashflow Allocated to Local Wastewater Expansion (Fund 220)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	220 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
General														
16-A005	Corporation Yard and Administrative Facilities	5%	28,035	6,744	0	0	0	0	0	0	0	0	0	34,779
T20-13	Gleason Drive Property Planning Study	5%	0	0	0	0	0	0	0	0	0	0	10,000	10,000
Wastewater Collection														
T20-04	Dublin Boulevard - Clark Avenue to Sierra Court	100%	0	0	175,000	500,000	0	0	0	0	0	0	0	675,000
T20-06	Village Parkway - South of Dublin Boulevard	100%	0	0	0	0	0	0	275,000	2,557,000	0	0	0	2,832,000
20-S014	Dublin Boulevard - Amador Plaza Road to Village Parkway	100%	0	175,000	645,000	0	0	0	0	0	0	0	0	820,000
T00-76	Dublin Trunk Relief Sewer	100%	0	0	0	0	0	0	0	0	0	0	6,945,000	6,945,000
Water System														
15-W004	Dougherty Road Utilities	5%	11,250	0	0	0	0	0	0	0	0	0	0	11,250
			39,285	181,744	820,000	500,000	0	0	275,000	2,557,000	0	0	6,955,000	11,328,029

Table 9 - Project Expenditures by Fund (Regional Replacement)

CIP 10-Year Plan for Fiscal Years Ending 2020 through 2029

Portion of Estimated Cashflow Allocated to Regional Wastewater Replacement (Fund 310)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	310 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
General														
16-A004	Board Meeting Audio/Video Improvements	45%	202,500	0	0	0	0	0	0	0	0	0	0	202,500
19-A005	District Office Renovation	53%	1,101,722	0	0	0	0	0	0	0	0	0	0	1,101,722
20-A002	Enterprise Resource Program System Conversion	50%	377,500	377,500	0	0	0	0	0	0	0	0	0	755,000
20-A004	District Office Roof Repair	50%	87,500	0	0	0	0	0	0	0	0	0	0	87,500
20-A001	Computing Infrastructure Replacement	50%	0	80,000	60,000	0	0	0	0	0	0	0	0	140,000
17-A007	Wide Area Network Communications Phase 2	46%	0	0	39,100	0	0	0	0	0	0	0	0	39,100
T18-23	Fleet Replacement PROGRAM	30%	0	0	90,000	90,000	90,000	90,000	90,000	90,000	90,000	90,000	450,000	1,170,000
T18-24	Facilities Asset Replacement PROGRAM	66%	0	0	283,800	283,800	283,800	283,800	283,800	283,800	283,800	283,800	1,419,000	3,689,400
T18-02	Network Infrastructure and Security	50%	0	0	0	0	125,000	125,000	0	250,000	0	0	0	500,000
T18-17	Electric Vehicle Charging Station	50%	0	0	0	0	0	0	0	50,000	0	0	0	50,000
Regional Wastewater Treatment														
19-P001	FSL #6 & #7 Anchors Replacement	100%	220,000	0	0	0	0	0	0	0	0	0	0	220,000
20-P010	Cogeneration Engine #4	100%	0	0	470,000	0	0	0	0	0	0	0	0	470,000
T20-09	WWTP Administration Building (Building A) Remodel/Renovation	100%	0	0	100,000	0	0	0	0	0	0	0	0	100,000
T20-10	Mezzanine in Electrical Shop	100%	0	0	50,000	0	0	0	0	0	0	0	0	50,000
T20-14	WWTP/Biosolids Master Plan	15%	0	0	0	127,500	0	0	0	0	0	0	0	127,500
T20-15	Flocculation Baffles in Secondary Clarifiers	100%	0	0	80,000	0	0	0	0	0	0	0	0	80,000
20-P009	Holding Basin 1, 2, 3 & 4 Re-Sealing	100%	422,500	0	0	0	0	0	0	0	0	0	0	422,500
20-P011	Building "S" Piping Replacement	100%	150,000	0	0	0	0	0	0	0	0	0	0	150,000
20-P012	RWTF Security Improvements	100%	216,000	242,000	0	0	0	0	0	0	0	0	0	458,000
12-P003	RAS Line Rehabilitation	100%	0	0	0	0	0	0	0	0	0	0	0	0
13-S004	Pump Stations VFD Replacements	100%	200,000	545,000	0	0	0	0	0	0	0	0	0	745,000
16-P024	RWTF Fire Alarm System Upgrades	100%	150,000	0	0	0	0	0	0	0	0	0	0	150,000
16-P028	Bio-Gas Treatment System Improvements	33%	133,094	919,050	66,000	0	0	0	0	0	0	0	0	1,118,144
16-P0300	EPS1 and EPS2 Pump Modifications	100%	70,290	70,291	0	0	0	0	0	0	0	0	0	140,581

Portion of Estimated Cashflow Allocated to Regional Wastewater Replacement (Fund 310)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	310 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
16-P031	RWTF Administration Building Improvements	100%	75,000	0	0	0	0	0	0	0	0	0	0	75,000
17-P004	Primary Sedimentation Expansion and Improvements	15%	1,112,188	862,500	540,000	0	0	0	0	0	0	0	0	2,514,688
18-P008	RWTF Industrial Control Network Security Essentials	52%	120,648	26,000	0	0	0	0	0	0	0	0	0	146,648
18-P012	Inner Sewer Wetwell and Pumping Assessment	100%	48,222	0	0	0	0	0	0	0	0	0	0	48,222
18-P011	Chlorinated Secondary Effluent Process Water System Condition Assessment	100%	0	0	75,000	0	0	0	0	0	0	0	0	75,000
18-P010	Biogas Flare Improvements	100%	150,000	1,200,000	0	0	0	0	0	0	0	0	0	1,350,000
00-3120	Energy Management PROGRAM	75%	56,250	56,250	187,500	187,500	262,500	0	0	0	0	0	0	750,000
00-P026	RWTF Replacement and Rehabilitation PROGRAM	100%	500,000	500,000	500,000	1,000,000	1,500,000	2,000,000	2,000,000	2,500,000	3,000,000	3,500,000	15,000,000	32,000,000
05-3206	WWTP SCADA Improvements	100%	905,500	1,355,500	0	0	0	0	0	0	0	0	0	2,261,000
14-P005	Wet Weather Flow Capacity and Chlorine Contact Tank Dewatering	85%	0	0	382,500	0	0	0	0	0	0	0	0	382,500
18-P014	WWTP Recycled and Potable Water Systems	100%	0	0	200,000	124,000	0	0	0	0	0	0	0	324,000
18-P016	Alum Addition	75%	0	225,000	375,000	0	0	0	0	0	0	0	0	600,000
18-P017	Public Outreach Signage at RWTF	100%	0	0	100,000	0	0	0	0	0	0	0	0	100,000
18-P002	WWTP Electrical System Master Plan	100%	0	750,000	0	0	0	0	0	0	0	0	0	750,000
15-P018	Foul Air Line Rehabilitation	100%	50,000	0	0	0	0	0	0	0	0	0	0	50,000
T16-01	Hypochlorite Building Rehabilitation	100%	0	0	340,000	0	0	0	0	0	0	0	0	340,000
20-P006	Recoating of Digester Interior Covers 3, 2, and 1	100%	79,000	79,000	132,000	0	0	0	0	0	0	0	0	290,000
20-P007	FSL MCC Improvements	100%	65,550	99,900	0	0	0	0	0	0	0	0	0	165,450
19-P003	RWTF Fencing and Security - Phase 2	100%	0	0	0	1,067,000	0	0	0	0	0	0	0	1,067,000
T16-11	WWTP Motor Control Center and Distribution Panel "A" Improvements	100%	0	0	203,550	471,750	471,750	0	0	0	0	0	0	1,147,050
T16-40	RWTF Pavement Repair	100%	0	0	0	325,000	0	0	0	0	0	0	0	325,000
T16-54	Odor Reduction Tower Replacement	100%	0	0	0	1,936,000	0	0	0	0	0	0	0	1,936,000
T18-15	Cogeneration Engine Replacement	100%	0	0	0	20,000	1,000,000	0	0	0	0	0	0	1,020,000
T16-42	Nutrient Removal	80%	0	0	0	0	0	0	0	0	0	5,904,000	28,320,000	34,224,000

Portion of Estimated Cashflow Allocated to Regional Wastewater Replacement (Fund 310)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	310 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
Water System														
16-A016	District Facilities Security Project - Phase 2	10%	0	0	5,000	0	0	0	0	0	0	0	0	5,000
			6,493,465	7,387,991	4,279,450	5,632,550	3,733,050	2,498,800	2,373,800	3,173,800	3,373,800	9,777,800	45,189,000	93,913,506

Table 11 - Project Expenditures by Fund (Regional Expansion)

CIP 10-Year Plan for Fiscal Years Ending 2020 through 2029

Portion of Estimated Cashflow Allocated to Regional Wastewater Expansion (Fund 320)

**Amounts shown are District costs net of grants and other fundings*

CIP No.	Project Name	320 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
Regional Wastewater Treatment														
T20-14	WWTP/Biosolids Master Plan	85%	0	0	0	722,500	0	0	0	0	0	0	0	722,500
16-P028	Bio-Gas Treatment System Improvements	67%	270,222	1,865,950	134,000	0	0	0	0	0	0	0	0	2,270,172
17-P004	Primary Sedimentation Expansion and Improvements	85%	6,302,401	4,887,500	3,060,000	0	0	0	0	0	0	0	0	14,249,901
14-P005	Wet Weather Flow Capacity and Chlorine Contact Tank Dewatering	15%	0	0	67,500	0	0	0	0	0	0	0	0	67,500
18-P013	Biosolids Dewatering Facility	100%	0	0	300,000	2,225,000	12,120,000	0	0	0	0	0	11,900,000	26,545,000
18-P016	Alum Addition	25%	0	75,000	125,000	0	0	0	0	0	0	0	0	200,000
T10-62	Emergency Power for Distribution Panel-D	100%	0	0	0	0	0	0	0	0	0	0	5,560,000	5,560,000
T10-83	Cover Primary Clarifiers	100%	0	0	0	0	0	0	0	0	0	4,694,000	0	4,694,000
T12-08	Cover Settled Sewage Channel and Selector	100%	0	0	0	0	0	0	0	0	2,358,000	0	0	2,358,000
T16-42	Nutrient Removal	20%	0	0	0	0	0	0	0	0	0	1,476,000	7,080,000	8,556,000
			6,572,622	6,828,450	3,686,500	2,947,500	12,120,000	0	0	0	2,358,000	6,170,000	24,540,000	65,223,072

Table 13 - Project Expenditures by Fund (Water Replacement)

CIP 10-Year Plan for Fiscal Years Ending 2020 through 2029

Portion of Estimated Cashflow Allocated to Water Replacement (Fund 610)

**Amounts shown are District costs net of grants and other fundings*

CIP No.	Project Name	610 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
General														
20-A024	Field Operations Facility - Skylight Replacements	85%	68,000	0	0	0	0	0	0	0	0	0	0	68,000
19-A007	Manhole and Water Valve Adjustments FYE 2019	68%	0	0	0	0	0	0	0	0	0	0	0	0
16-A004	Board Meeting Audio/Video Improvements	45%	202,500	0	0	0	0	0	0	0	0	0	0	202,500
19-A005	District Office Renovation	37%	769,126	0	0	0	0	0	0	0	0	0	0	769,126
20-A002	Enterprise Resource Program System Conversion	38%	286,900	286,900	0	0	0	0	0	0	0	0	0	573,800
20-A004	District Office Roof Repair	38%	66,500	0	0	0	0	0	0	0	0	0	0	66,500
00-A003	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
16-A005	Corporation Yard and Administrative Facilities	55%	308,385	74,188	0	0	0	0	0	0	0	0	0	382,573
17-A006	District Pavement Rehabilitation	100%	0	324,630	250,000	200,000	40,000	200,000	0	200,000	0	0	0	1,214,630
T20-13	Gleason Drive Property Planning Study	55%	0	0	0	0	0	0	0	0	0	0	110,000	110,000
20-A001	Computing Infrastructure Replacement	38%	0	60,800	45,600	0	0	0	0	0	0	0	0	106,400
17-A007	Wide Area Network Communications Phase 2	44%	0	0	37,400	0	0	0	0	0	0	0	0	37,400
T18-23	Fleet Replacement PROGRAM	50%	0	0	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	750,000	1,950,000
T18-24	Facilities Asset Replacement PROGRAM	32%	0	0	137,600	137,600	137,600	137,600	137,600	137,600	137,600	137,600	688,000	1,788,800
T18-02	Network Infrastructure and Security	38%	0	0	0	0	95,000	95,000	0	190,000	0	0	0	380,000
T18-17	Electric Vehicle Charging Station	38%	0	0	0	0	0	0	0	38,000	0	0	0	38,000
Joint Powers Authority														
20-W022	DERWA SFUV Wiper Arms Replacement	100%	115,460	0	0	0	0	0	0	0	0	0	0	115,460
20-W021	DERWA TIPS VFD Upgrades	100%	28,980	0	0	0	0	0	0	0	0	0	0	28,980
T16-37	DERWA Microfiltration Rack and Membrane Replacement	100%	0	0	0	0	0	0	997,500	0	0	0	0	997,500
Regional Wastewater Treatment														
18-P008	RWTF Industrial Control Network Security Essentials	37%	85,846	18,500	0	0	0	0	0	0	0	0	0	104,346

Portion of Estimated Cashflow Allocated to Water Replacement (Fund 610)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	610 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
00-3120	Energy Management PROGRAM	25%	18,750	18,750	62,500	62,500	87,500	0	0	0	0	0	0	250,000
Water System														
19-W004	Valve and Blow-Off Replacement	100%	1,000,000	1,000,000	1,000,000	0	0	0	0	0	0	0	0	3,000,000
20-W019	Automated Water Quality Monitoring	100%	0	0	600,000	300,000	0	0	0	0	0	0	0	900,000
15-W004	Dougherty Road Utilities	55%	123,750	0	0	0	0	0	0	0	0	0	0	123,750
16-W009	Potable Water Supply Reliability Planning	33%	99,000	0	0	0	0	0	0	0	0	0	0	99,000
16-W012	Potable Water Pump Station Standby Generators/Emergency Response	100%	650,000	2,390,000	0	0	0	0	0	0	0	0	0	3,040,000
17-W001	Automated Water Meter Data Transmission Repeaters	20%	21,600	4,800	4,800	4,800	16,800	4,800	4,800	4,800	4,800	0	0	72,000
18-W021	Recycled Water Fire Hydrant Upgrades	100%	140,000	0	0	0	0	0	0	0	0	0	0	140,000
16-A016	District Facilities Security Project - Phase 2	90%	0	0	45,000	0	0	0	0	0	0	0	0	45,000
18-W003	Reservoir 2 Recoating	100%	0	1,193,500	0	0	0	0	0	0	0	0	0	1,193,500
00-W002	Capital Improvements to Increase Water Supply PROGRAM - Phase 2	75%	225,000	375,000	375,000	375,000	375,000	2,250,000	9,000,000	17,025,000	0	0	0	30,000,000
00-W011	Water System Replacement and Rehabilitation PROGRAM	100%	300,000	300,000	300,000	300,000	300,000	300,000	500,000	500,000	1,500,000	1,700,000	8,000,000	14,000,000
12-W016	Reservoir 1B Recoating	100%	1,625,000	0	0	0	0	0	0	0	0	0	0	1,625,000
16-W017	Water Lines Replacement - Wineberry Area	100%	0	0	0	0	2,207,083	0	0	0	0	0	0	2,207,083
18-W004	MCC Improvements - PS1A and PS3A	100%	0	79,350	188,700	0	0	0	0	0	0	0	0	268,050
20-W023	Camp Parks Water Main - 5th Street, Adams to Davis Street	100%	0	550,000	0	0	0	0	0	0	0	0	0	550,000
17-W002	Electrical Service to Reservoir 200B	100%	90,000	0	0	0	0	0	0	0	0	0	0	90,000
T16-28	Water Lines Replacement - Tamarack Drive - Village Pkwy to Firethorn Way	100%	0	0	0	1,101,780	0	0	0	0	0	0	0	1,101,780
T16-29	Water Lines Replacement - Canterbury Lane and Cardigan Street	100%	0	0	0	0	0	1,190,000	0	0	0	0	0	1,190,000
T16-30	Water Line Replacement Phase 2 - Canterbury Lane	100%	0	0	0	0	0	1,208,770	0	0	0	0	0	1,208,770
T20-18	Pump Station 1A Rehabilitation	100%	0	0	330,000	2,530,000	0	0	0	0	0	0	0	2,860,000
08-6103	Camp Parks Water Main - Seville Ave to 12th St	100%	0	0	0	520,000	0	0	0	0	0	0	0	520,000

Portion of Estimated Cashflow Allocated to Water Replacement (Fund 610)

**Amounts shown are District costs net of grants and other fundings*

CIP No.	Project Name	610 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
00-W001	Capital Improvement to Increase Water Supply PROGRAM - Phase 1	33%	77,220	165,000	0	0	0	0	0	0	0	0	0	242,220
20-W016	Camp Parks Water Main - Mitchell Drive, Powell to 8th Streets	100%	0	182,000	0	0	0	0	0	0	0	0	0	182,000
20-W024	Camp Parks Water Mains - Cromwell Avenue and 12th Street	100%	767,000	0	0	0	0	0	0	0	0	0	0	767,000
20-W018	Reservoir 20A Recoating	100%	0	50,000	0	2,157,300	0	0	0	0	0	0	0	2,207,300
T16-31	Water Line Replacement - Ironwood Drive	100%	0	0	0	0	0	1,210,260	0	0	0	0	0	1,210,260
T16-67	Reservoir Recoating PROGRAM	100%	0	0	0	0	0	812,500	1,560,000	1,260,000	560,000	344,500	4,537,000	4,537,000
T10-86	Camp Parks Water Mains - Lorrington Street and Monroe Avenue	100%	0	0	0	0	0	0	0	0	0	355,100	0	355,100
			7,149,017	7,153,418	3,606,600	7,918,980	3,488,983	5,616,170	12,892,660	19,885,400	3,132,400	2,982,700	10,292,500	84,118,829

Table 13 - Project Expenditures by Fund (Water Expansion)

CIP 10-Year Plan for Fiscal Years Ending 2020 through 2029

Portion of Estimated Cashflow Allocated to Water Expansion (Fund 620)

*Amounts shown are District costs net of grants and other fundings

CIP No.	Project Name	620 Split	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	Total
General														
16-A005	Corporation Yard and Administrative Facilities	30%	168,210	40,466	0	0	0	0	0	0	0	0	0	208,676
T20-13	Gleason Drive Property Planning Study	30%	0	0	0	0	0	0	0	0	0	0	60,000	60,000
Joint Powers Authority														
16-R014	DERWA Recycled Water Plant - Phase 2	100%	189,200	0	0	0	0	0	0	0	0	0	0	189,200
16-R018	DERWA Supplemental Supply	100%	886,240	0	0	516,780	0	0	0	0	0	0	0	1,403,020
Water System														
12-W013	Water Main - Fallon Rd, Tassajara Rd to Tassajara Creek	100%	0	315,500	0	0	0	0	0	0	0	0	0	315,500
15-W004	Dougherty Road Utilities	30%	67,500	0	0	0	0	0	0	0	0	0	0	67,500
16-W009	Potable Water Supply Reliability Planning	67%	201,000	0	0	0	0	0	0	0	0	0	0	201,000
17-W001	Automated Water Meter Data Transmission Repeaters	80%	86,400	19,200	19,200	19,200	67,200	19,200	19,200	19,200	19,200	0	0	288,000
17-W003	Reservoir 10A	100%	150,000	0	8,605,500	9,300,000	470,000	0	0	0	0	0	0	18,525,500
00-W002	Capital Improvements to Increase Water Supply PROGRAM - Phase 2	25%	75,000	125,000	125,000	125,000	125,000	750,000	3,000,000	5,675,000	0	0	0	10,000,000
16-R013	Water Reuse Demonstration Project	100%	0	85,000	85,000	215,000	0	0	0	0	0	0	0	385,000
14-W008	Reservoir 20B	100%	560,000	4,252,000	2,231,000	0	0	0	0	0	0	0	0	7,043,000
00-W001	Capital Improvement to Increase Water Supply PROGRAM - Phase 1	67%	156,780	335,000	0	0	0	0	0	0	0	0	0	491,780
20-W017	Water System Master Plan Update and Operations Plan Update	100%	0	500,000	0	0	0	0	0	0	0	0	0	500,000
08-6202	Pump Station 20A Improvements	100%	0	0	0	470,000	0	0	0	0	0	0	0	470,000
20-W015	Turnout 6	100%	500,000	500,000	2,800,000	0	0	0	0	0	0	0	0	3,800,000
			3,040,330	6,172,166	13,865,700	10,645,980	662,200	769,200	3,019,200	5,694,200	19,200	0	60,000	43,948,176

Chapter 4: Project Worksheets

This Chapter provides a more detailed look at individual projects. Each project has a worksheet that presents the following fields:

1. Project Category:
 - a. General
 - b. Joint Powers Authority
 - c. Water System
 - d. Wastewater Collection
 - e. Regional Wastewater Treatment
2. Primary Project Fund
3. CIP Number and Project Title
4. Funding Allocation and Allocation Basis
5. Project Manager
6. Status
7. Project Summary
8. CEQA & Reference Documents
9. Ten-Year Cash Flow and Estimated Project Cost

The project worksheets are grouped by project categories, and arranged in the order of project timing. Each category contains an index sheet to provide list of projects contained within that category.

CIP 10-YEAR PLAN FYEs 2020 through 2029

** Listed according to project timing from earliest to latest*

CATEGORY: GENERAL

CIP No.	Project Name	Page
<u>2-Year Projects</u>		
20-A024	Field Operations Facility - Skylight Replacements	43
16-A004	Board Meeting Audio/Video Improvements	44
19-A005	District Office Renovation	45
20-A002	Enterprise Resource Program System Conversion	46
20-A004	District Office Roof Repair	47
16-A005	Corporation Yard and Administrative Facilities	48
17-A006	District Pavement Rehabilitation	49
20-A001	Computing Infrastructure Replacement	50
17-A007	Wide Area Network Communications Phase 2	51
00-A003	Street Overlay Modification PROGRAM	53
<u>Future Projects</u>		
T20-13	Gleason Drive Property Planning Study	54
T18-02	Network Infrastructure and Security	55
T18-17	Electric Vehicle Charging Station	56
T18-23	Fleet Replacement PROGRAM	57
T18-24	Facilities Asset Replacement PROGRAM	59

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Water Replacement (Fund 610)

CIP No. 20-A024 Field Operations Facility - Skylight Replacements

Funding Allocation: 85% 610 15% 210

Project Manager: Shawn Quinlan

Status: New Project

Project Summary:

This project will replace all skylights at the Field Operations Facility (FOF). The building was constructed in 1997. The District acquired the property in March 2016, and completed renovations in the spring and summer of 2016. The renovations did not include replacement of the original skylights, many of which have become cracked and are now leaking.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: N/A

Fund Allocation Basis: Based on Field Operations staff allocation between water and local wastewater collection.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	80,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$80,000

Current Adopted Budget \$0

Increase/(Decrease) \$80,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 16-A004 Board Meeting Audio/Video Improvements

Funding Allocation: 45% 310 45% 610 10% 210

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will retrofit the Boardroom lighting and audio system and install video cameras and video streaming equipment to facilitate quality video streaming and indexing of Board meetings. There will be an additional ongoing annual operating cost for third party support for videoing, streaming, and indexing of the video.

CEQA: Not a project under CEQA [CEQA Guideline 15378].

Reference:

Fund Allocation Basis: Project will mainly benefit customers so the allocation is based on revenues by fund.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
100,000	450,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$550,000

Current Adopted Budget \$245,000

Increase/(Decrease) \$305,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 19-A005 District Office Renovation

Funding Allocation: 53% 310 37% 610 10% 210

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will upgrade the District Office furnishings and building systems. The project will 1) replace all the individual office furniture and conference room furniture to match the new furnishings, 2) replace the casework in the reception area, at the permit and customer service counter, in the GM Conference Room, in the mailroom, and in the kitchen/break areas, 3) replace the tile in the main entrance, reception area, hallways, and bathrooms, 4) replace bathroom counters and fixtures, 5) replace the existing fluorescent lights with LED lights, 6) replace the heating system hot water control valves and controllers, and 7) move interior walls to improve the use of the space.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference: n/a

Fund Allocation Basis: Fund split is based on the same allocation as employee costs, as the building is used by employees to conduct District business.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
761,280	2,078,720	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$2,840,000

Current Adopted Budget \$2,840,000

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 20-A002 Enterprise Resource Program System Conversion

Funding Allocation: 50% 310 38% 610 12% 210

Project Manager: Carol Atwood

Status: New Project

Project Summary:

This project will include procurement and implementation of a new Enterprise Resource Program (ERP). The current ERP is over fifteen years old and the vendor has indicated they it my end support for the product in the coming years. This ERP is used to managed all financial data for the District, including accounting, budget preparation, payroll, purchasing, and utility billing. The project includes system configuration, data migration, data exchange testing, conversion validation, forms and reports planning, end-user training, parallel testing and final transition with technical support. The cost also includes post-conversion legacy system data access.

CEQA: Not a project under CEQA [CEQA Guideline 15378].

Reference: Information Technology Services Master Plan (2017)

Fund Allocation Basis: Based on employee allocation

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	755,000	755,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$1,510,000

Current Adopted Budget \$0

Increase/(Decrease) \$1,510,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 20-A004 District Office Roof Repair

Funding Allocation: 50% 310 38% 610 12% 210

Project Manager: Shawn Quinlan

Status: New Project

Project Summary:

This District Office was constructed in 1992, and over time, the roof has developed several leaks in the southern portion (Dublin Boulevard) of the building. This project will reseal the entire metal roof and replace two parapet roof sections, alleviating the leaks.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: To be determined.

Fund Allocation Basis: Based on employee allocation.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	175,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$175,000

Current Adopted Budget \$0

Increase/(Decrease) \$175,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Water Replacement (Fund 610)

CIP No. 16-A005 Corporation Yard and Administrative Facilities

Funding Allocation: 55% 610 30% 620 10% 210 5% 220

Project Manager: Robyn Mutobe

Status: Continuing Project

Project Summary:

The lease with the US Army for the Field Operations Division (FOD) temporary facilities at Camp Parks terminated in October 2016. In March 2016, the District acquired a commercial building and warehouse at 7035 Commerce Circle in Pleasanton for approximately \$4.9 million. The property is located adjacent to the LAVWMA pump station. Infrastructure including building security, HVAC improvements and control systems, new materials bins, business and SCADA networks, and fencing and parking improvements were completed in spring/summer 2016 and FOD moved to the facility in August 2016. Renovations including a new lobby, new locker rooms, a new mudroom, and kitchen/breakroom improvements along with all new flooring and 1st floor furniture was completed in April 2017. A backup generator, new automatic transfer switchgear, and new uninterruptible power supply (UPS) for the SCADA system and select building loads will be installed in 2020.

CEQA: Building renovation covered by City of Pleasanton EIR; materials bin work - CEQA NOE filed by DSRSD

Reference: Field Operations Division Corporation Yard Study, January 2009.

Fund Allocation Basis: Fund split is based upon the estimated Field Operations cost split between potable water, recycled water and sewer activities.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
7,172,960	560,700	134,888	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$7,868,548**

Current Adopted Budget **\$7,584,697**

Increase/(Decrease) **\$283,851**



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Water Replacement (Fund 610)

CIP No. 17-A006 District Pavement Rehabilitation

Funding Allocation: 100% 610

Project Manager: Jackie Yee

Status: Continuing Project

Project Summary:

This project has evaluated the existing paved access roads at District facilities excluding the Regional Wastewater Treatment Facility. The various access roads will be scheduled for repair, maintenance or reconstruction based on the evaluation report. The roads were ranked by severity (minor, moderate or major improvements). Minor improvements had minor cracking due to roots, lack of proper edging, poor drainage, and expansive soils. Moderate improvements were similar to minor improvements but were more severe and noted by existing visual damage. Major improvements had complex subsurface and geologic conditions that need in depth study for recommended design and construction.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference: Pavement Investigation Report, Pavement Rehabilitation Project Phase 1, December 12, 2016, Construction Testing Services

Fund Allocation Basis: Project is required to maintain existing water assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
20,370	0	324,630	250,000	200,000	40,000	200,000	0	200,000	0	0	0

Total Estimated Project Cost **\$1,235,000**

Current Adopted Budget **\$1,235,000**

Increase/(Decrease) **\$0**



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 20-A001 Computing Infrastructure Replacement

Funding Allocation: 50% 310 38% 610 12% 210

Project Manager: Information Technology

Status: New Project

Project Summary:

This project will modernize and replace the computing infrastructure for the processing of multiple database applications including our Enterprise Resource Planning (ERP), Geographic Information System (GIS), Laboratory Information Management System (LIMS) and Computerized Maintenance Management System (CMMS). Blade servers and storage area networks were originally purchased in 2011. By 2022, the equipment will be at least ten years old, three years past best practice replacement schedule of seven years.

CEQA: Not a project under CEQA [CEQA Guideline 15378].

Reference: Best practice for network technology replacement.

Fund Allocation Basis: Based on employee allocation.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	160,000	120,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$280,000

Current Adopted Budget \$0

Increase/(Decrease) \$280,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. 17-A007 Wide Area Network Communications Phase 2

Funding Allocation: 46% 310 44% 610 10% 210

Project Manager: Jackie Yee

Status: Continuing Project

Project Summary:

This project will allow for increased access speed and bandwidth at remote sites. Increases in application demands and database systems cause delays in data transmissions and production slowdowns. This project will remove current AT&T leased data lines and install District-owned, multi-strand fiber lines or wireless networks for communications in data and phone systems for faster and bigger-piped communication links. This project will upgrade the existing communication links for the Regional Wastewater Treatment Plant (RWTP) and Field Operations Facility (FOF) in areas of data and phone communications. These upgrades will also allow for future bandwidth requirements in areas of audio and video transmission. Through FYE 2019, the project has completed 1) the fiber connection between the District Office and RWTP, 2) the wireless connection between the District Office and FOF, 3) wireless connection between FOF and RWTP, and 4) purchase and installation of wide area network security appliances to support these connections, and 5) the installation of fiber between RWTP and the new FOF on Commerce Circle and the LAVWMA site. The remaining funds will install fiber between the District Office and the new City of Dublin data center (currently under construction).

CEQA: Categorical Exemption [CEQA Guideline 15303]

Reference: 2002 Information Technology Master Plan

Fund Allocation Basis: Project is replacement-oriented and will use the standard "general capital asset" allocation

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
530,000	0	0	85,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$615,000

Current Adopted Budget \$615,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Local Wastewater Replacement (Fund 210)

CIP No. 00-A003 Street Overlay Modification PROGRAM

Funding Allocation: 50% 210 50% 610

Project Manager: Rudy Portugal

Status: Continuing Program

Project Summary:

The District is required to adjust infrastructure access to any increases in street grades. This project will raise manholes and valve boxes annually in conjunction with overlay projects conducted by the City of Dublin and City of San Ramon using the Tri-Valley Intergovernmental Reciprocal Services Agreement.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference: Coordination meetings with City staff.

Fund Allocation Basis: Fund split is based upon the number of valve boxes and manholes in the system. There are twice as many valve boxes as manholes, however, manholes cost twice as much to raise. Each project created will be based upon the actual work included.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	800,000

Total Estimated Project Cost \$2,400,000

Current Adopted Budget \$0

Increase/(Decrease) \$2,400,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Water Replacement (Fund 610)

CIP No. T20-13 Gleason Drive Property Planning Study

Funding Allocation: 55% 610 30% 620 10% 210 5% 220

Project Manager:

Status: Future Project

Project Summary:

In May 2007, the District purchased an undeveloped 12.8 acre property on Gleason Drive in Dublin, with the intention of locating a future District facilities on the site. The site is adjacent to other public and light industrial uses. This project will evaluate the use of the site for future district needs such as well facilities, a corporation yard, or office space and include site planning, grading, infrastructure improvements, and construction costs.

CEQA: Categorical Exemption [CEQA Guideline 15306].

Reference: To be determined.

Fund Allocation Basis: Based upon Field Operation cost between potable water, recycled water, and sewer activities.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	0	0	0	0	200,000

Total Estimated Project Cost \$200,000

Current Adopted Budget \$0

Increase/(Decrease) \$200,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. T18-02 Network Infrastructure and Security

Funding Allocation: 50% 310 38% 610 12% 210

Project Manager:

Status: Future Project

Project Summary:

Most “best practices” call for network technology replacement every seven years. This is often the product life-cycle for network switching, communications, and includes the regular faster cycling review for network security. This project will address replacements needed for the business network in years 2024 and 2025, and the Field Operations Facility SCADA network in 2027.

CEQA: Not a project under CEQA [CEQA Guideline 15378].

Reference: Best practice for network technology replacement.

Fund Allocation Basis: Based on employee allocation.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	250,000	250,000	0	500,000	0	0	0

Total Estimated Project Cost \$1,000,000

Current Adopted Budget \$0

Increase/(Decrease) \$1,000,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. T18-17 Electric Vehicle Charging Station

Funding Allocation: 50% 310 38% 610 12% 210

Project Manager:

Status: Future Project

Project Summary:

This project will install electric vehicle charging stations at the Regional Wastewater Treatment Facility, Field Operations Facility, and District Office. Electric vehicles are becoming more common among customers, visitors, and employees, creating an increased demand for charging stations. Providing these facilities is also in line with the District's Green Business Policy.

CEQA:

Reference: Staff recommendation.

Fund Allocation Basis: Based on employee allocation.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	0	100,000	0	0	0

Total Estimated Project Cost \$100,000

Current Adopted Budget \$0

Increase/(Decrease) \$100,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Water Replacement (Fund 610)

CIP No. T18-23 Fleet Replacement PROGRAM

Funding Allocation: 50% 610 30% 310 20% 210

Project Manager:

Status: Future Program

Project Summary:

This program will set aside annual capital outlay funding to meet the District's vehicle asset replacement requirements in future years. The District will use a comprehensive approach and follow best practice fleet operations to implement a cost effective fleet replacement program. Although not a capital project, this program is included in the CIP planning to make sure that capital outlay cashflow is incorporated to support future rate and fee studies.

CEQA: Not a project under CEQA [CEQA Guideline 15378].

Reference: Current vehicle asset inventory.

Fund Allocation Basis: Ratio based on department/function associated with each vehicle.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000

Total Estimated Project Cost \$3,900,000

Current Adopted Budget \$0

Increase/(Decrease) \$3,900,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

All Replacement Funds (Fund 210, 310& 610)

CIP No. 20-A025 Capital Outlay - Fiscal Years 2020 and 2021

Funding Allocation: 58% 310 22% 610 20% 210

Project Summary:

Capital Outlay is the mechanism for replacing or adding an asset that has a minimum total cost of \$10,000 and a useful life of at least three years. The Capital Outlay for Fiscal Years 2020 and 2021 are shown in the table below.

Fund Allocation Basis: Capital Outlay items are funded to the appropriate replacement fund based on the nature and primary use of the item.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	1,762,600	491,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$2,253,600

Current Adopted Budget \$0

Increase/(Decrease) \$2,253,600

Capital Outlay	FY 2020	FY 2021	Fund	Fund Split
CCTV Truck Replacement	\$ 500,000		Local Replacement	100%
District Office Server Room HVAC	\$ 3,600		Local Replacement	12%
Local Subtotal:	\$ 503,600			
Spare RAS Pump For Secondary Clarifiers	\$ 16,000		Regional Replacement	100%
Vibration and Acoustic Monitoring Equipment	\$ 100,000		Regional Replacement	100%
Mechanical Bird Control	\$ 50,000		Regional Replacement	100%
Influent Gate Control		\$ 120,000	Regional Replacement	100%
Environmental Compliant Blasting/Removal System		\$ 50,000	Regional Replacement	100%
Instrumentation, Controls, & Electrical	\$ 90,100		Regional Replacement	100%
Air Handler for Influent Pump Room	\$ 32,000		Regional Replacement	100%
Building "R" Retaining Wall		\$ 60,000	Regional Replacement	100%
Building "A" Sewer Line Replacement/Bursting	\$ 60,000		Regional Replacement	100%
D7 Tractor for Bio-Solids Harvesting	\$ 250,000		Regional Replacement	100%
Service Cart Replacements	\$ 77,000	\$ 11,000	Regional Replacement	100%
Small Dump Truck	\$ 37,500		Regional Replacement	50%
Laboratory Equipment Replacement	\$ 167,500	\$ 167,500	Regional Replacement	67%
District Office Server Room HVAC	\$ 17,100		Regional Replacement	57%
Regional Subtotal:	\$ 897,200	\$ 408,500		
Arrowboard Sign Trailer	\$ 17,500		Water Replacement	100%
Ford Escape	\$ 30,000		Water Replacement	100%
Leak Repair Vehicle	\$ 150,000		Water Replacement	100%
Reach Truck	\$ 35,000		Water Replacement	100%
Small Dump Truck	\$ 37,500		Water Replacement	50%
Laboratory Equipment Replacement	\$ 82,500	\$ 82,500	Water Replacement	33%
District Office Server Room HVAC	\$ 9,300		Water Replacement	31%
Water Subtotal:	\$ 361,800	\$ 82,500		
GRAND TOTAL:	\$ 1,762,600	\$ 491,000		

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: GENERAL

Regional Wastewater Replacement (Fund 310)

CIP No. T18-24 Facilities Asset Replacement PROGRAM

Funding Allocation: 66% 310 32% 610 2% 210

Project Manager:

Status: Future Program

Project Summary:

This program will set aside annual capital outlay funding to meet the District's facilities asset replacement requirements in future years. The District will use a comprehensive approach and follow best practice to implement a cost effective facilities asset replacement program. Although not a capital project, this program is included in the CIP planning to make sure that capital outlay cashflow is incorporated to support future rate and fee studies. The estimated annual replacement cost is based on 1% of the District's total real property value per California Sanitation Risk Management Authority (CSRMA) report dated January 2016.

CEQA: CEQA requirement will be evaluated for individual projects at the time of inception.

Reference:

Fund Allocation Basis: Ratio based on department/function associated with each facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	430,000	430,000	430,000	430,000	430,000	430,000	430,000	430,000	2,150,000

Total Estimated Project Cost \$5,590,000

Current Adopted Budget \$0

Increase/(Decrease) \$5,590,000

CIP 10-YEAR PLAN FYEs 2020 through 2029

** Listed according to project timing from earliest to latest*

CATEGORY: JOINT POWERS AUTHORITY

CIP No.	Project Name	Page
<u>2-Year Projects</u>		
20-W022	DERWA SFUV Wiper Arms Replacement	61
16-R014	DERWA Recycled Water Plant - Phase 2	62
16-R018	DERWA Supplemental Supply	63
20-W021	DERWA TIPS VFD Upgrades	64
<u>Future Projects</u>		
T16-37	DERWA Microfiltration Rack and Membrane Replacement	65

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 20-W022 DERWA SFUV Wiper Arms Replacement

Funding Allocation: 100% 610

Project Manager: DERWA Authority

Status: New Project

Project Summary:

This project will expand the recycled water sand filtration ultraviolet (SFUV) disinfection wiper arms. Most of these arms have been rebuilt once or twice during their fourteen year service life. The project includes 70 new wiper RAM and 2,800 wiper holders.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: N/A

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	251,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost

\$251,000

DSRSD Net Cost: \$115,460

Current Adopted Budget

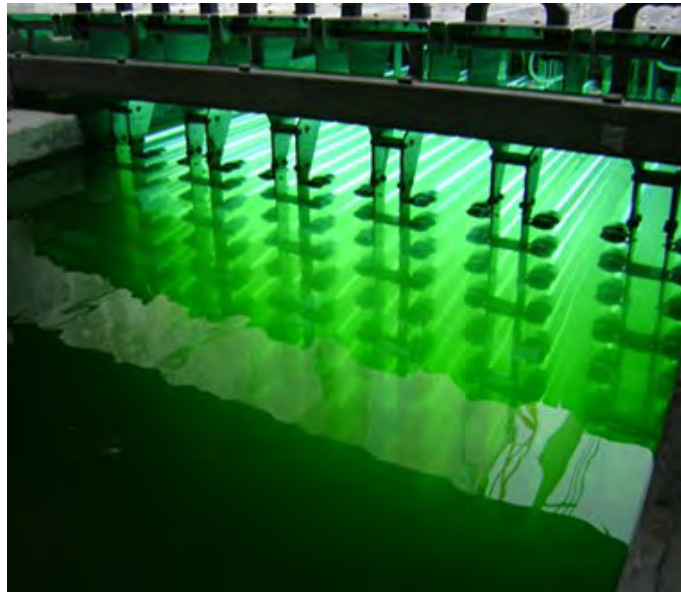
\$0

Other Funding: DERWA Project; DSRSD 46%, EBMUD 27%, Pleasanton

Increase/(Decrease)

\$251,000

27%



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: JOINT POWERS AUTHORITY

Water Expansion (Fund 620)

CIP No. 16-R014 DERWA Recycled Water Plant - Phase 2

Funding Allocation: 100% 620

Project Manager: Robyn Mutobe

Status: Continuing Project

Project Summary:

This DERWA project will expand the DERWA Water Recycling Plant from its design capacity of 9.7 mgd to 16.2 mgd. The project will add a new band screen and ballasted flocculating clarifier and additional tertiary influent pumps, ultraviolet disinfection modules, and Pump Station R1 pumps. The project also includes the replacement of VDFs at Pump Station R1. DSRSD will be responsible for the design and construction of the facility expansion. Per the Agreement for the Sale of Recycled Water by DERWA to DSRSD and EBMUD and the DERWA Pleasanton Agreement, cost of the project will be funded in the same proportion as allocation of future incremental capacity rights.

CEQA: CEQA Addendum to 1996 Dublin San Ramon Valley Recycled Water Program EIR

Reference: San Ramon Valley Recycled Water Facilities, July 1996; Dublin Recycled Water Expansion Project, Title XVI Feasibility Study, Draft DERWA Recycled Water Treatment Facilities Plan, July 2015.

Fund Allocation Basis: Project in support of future water customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
19,186,000	400,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$19,586,000

Current Adopted Budget \$19,346,000

Increase/(Decrease) \$240,000

DSRSD Net Cost: \$9,145,700

Other Funding: \$10,576,300. DERWA project; cost share based on facility capacity allocation. For RWTP: DSRSD 46%, EBMUD 27%, Pleasanton 27%; For VFD Replacement at PSR1: DSRSD 59%, EBMUD 25%, Pleasanton 16%.



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: JOINT POWERS AUTHORITY

Water Expansion (Fund 620)

CIP No. 16-R018 DERWA Supplemental Supply

Funding Allocation: 100% 620

Project Manager: Steven Delight

Status: Continuing Project

Project Summary:

This project will provide for a supplemental source of supply to the recycled water program. The recycled water demands are projected to exceed the Regional Wastewater Treatment Facility (RWTF) inflow during peak months until buildout of the Dublin and Pleasanton service areas. This project will identify and construct necessary facilities to provide supplemental water. It is anticipated the supplemental water will either be pumped from the groundwater fringe basin, water from Hopyard well 7, seasonal storage at the chain of lakes, diverted from Livermore effluent discharges to LAVWMA, or diverted wastewater from Contra Costa County Sanitary District service area treated at the RWTF.

CEQA: CEQA addendum to 1996 EIR prepared by DSRSD and approved by DERWA.

Reference: DERWA Permanent Supplemental Supplies - completed studies.

Fund Allocation Basis: Project in support of future water customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
895,000	1,528,000	0	0	891,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$3,314,000**

DSRSD Net Cost: \$1,922,120

Current Adopted Budget \$2,496,450

Other Funding: DERWA project; DSRSD 58%, EBMUD 42%

Increase/(Decrease) \$817,550

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. 20-W021 DERWA TIPS VFD Upgrades

Funding Allocation: 100% 610

Project Manager: DERWA Authority

Status: New Project

Project Summary:

The existing VFDs for the three original TIPS pumps are 15+ years old and have become obsolete. The scope of this project is to upgrade the three VFDs to a current make and model. While performing the VFD upgrade, the industrial control network will also be upgraded to Ethernet to allow for ease of maintenance and faster recoveries from breakdowns. The project includes installation, PLC programming, SCADA configuration, testing, and startup.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: n/a

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	63,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost

\$63,000

DSRSD Net Cost: \$ 28,980

Current Adopted Budget

\$0

Other Funding: DERWA Project; DSRSD 46%, EBMUD 27%, Pleasanton

Increase/(Decrease)

\$63,000

27%

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: JOINT POWERS AUTHORITY

Water Replacement (Fund 610)

CIP No. T16-37 DERWA Microfiltration Rack and Membrane Replacement

Funding Allocation: 100% 610

Project Manager:

Status: Future Project

Project Summary:

This project will replace the microfiltration/ultraviolet (MF/UV) facility membrane racks with an open platform membrane system designed for membrane module interchangeability for more competitive membrane pricing. The membranes will also be replaced. The MF/UV system was constructed in 1998 and the membrane racks will be at the end of their useful life by 2025.

CEQA: Categorical Exemption [CEQA Guidelines 15301, 15303].

Reference: Microfiltration Membrane Replacement Evaluation, Carollo Engineers, October 2014.

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	3,500,000	0	0	0	0

Total Estimated Project Cost \$3,500,000

DSRSD Net Cost: \$997,500

Current Adopted Budget \$0

Increase/(Decrease) \$3,500,000

Other Funding: Pleasanton/DERWA share of cost \$2,502,500 based on DERWA Agreement for Sale of RW Water to EBMUD and DSRSD, July 2003.



CIP 10-YEAR PLAN FYEs 2020 through 2029

** Listed according to project timing from earliest to latest*

CATEGORY: WATER SYSTEM

CIP No.	Project Name	Page
<u>2-Year Projects</u>		
19-W004	Valve and Blow-Off Replacement	67
12-W013	Water Main - Fallon Rd, Tassajara Rd to Tassajara Creek	68
15-W004	Dougherty Road Utilities	69
16-W009	Potable Water Supply Reliability Planning	70
16-W012	Potable Water Pump Station Standby Generators/Emergency Response	71
17-W001	Automated Water Meter Data Transmission Repeaters	72
17-W003	Reservoir 10A	73
18-W021	Recycled Water Fire Hydrant Upgrades	74
18-W003	Reservoir 2 Recoating	75
12-W016	Reservoir 1B Recoating	76
14-W008	Reservoir 20B	77
16-W017	Water Lines Replacement - Wineberry Area	78
18-W004	MCC Improvements - PS1A and PS3A	79
20-W023	Camp Parks Water Main - 5th Street, Adams to Davis Street	80
17-W002	Electrical Service to Reservoir 200B	81
08-6103	Camp Parks Water Main - Seville Ave to 12th St	82
20-W016	Camp Parks Water Main - Mitchell Drive, Powell to 8th Streets	83
20-W017	Water System Master Plan Update and Operations Plan Update	84
20-W024	Camp Parks Water Mains - Cromwell Avenue and 12th Street	85
20-W018	Reservoir 20A Recoating	86
20-W015	Turnout 6	87
00-W002	Capital Improvements to Increase Water Supply PROGRAM - Phase 2	88
00-W011	Water System Replacement and Rehabilitation PROGRAM	89
00-W001	Capital Improvement to Increase Water Supply PROGRAM - Phase 1	90
<u>Future Projects</u>		
20-W019	Automated Water Quality Monitoring	91
16-A016	District Facilities Security Project - Phase 2	92
16-R013	Water Reuse Demonstration Project	93
T16-28	Water Lines Replacement - Tamarack Drive - Village Pkwy to Firethorn Way	94
T16-29	Water Lines Replacement - Canterbury Lane and Cardigan Street	95
T16-30	Water Line Replacement Phase 2 - Canterbury Lane	96

CIP 10-YEAR PLAN FYEs 2020 through 2029

** Listed according to project timing from earliest to latest*

CATEGORY: WATER SYSTEM

CIP No.	Project Name	Page
T20-18	Pump Station 1A Rehabilitation	97
T16-31	Water Line Replacement - Ironwood Drive	98
T10-86	Camp Parks Water Mains - Lorrington Street and Monroe Avenue	99
08-6202	Pump Station 20A Improvements	100
T16-67	Reservoir Recoating PROGRAM	101

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 19-W004 Valve and Blow-Off Replacement

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: Continuing Project

Project Summary:

This project will repair/replace line and blow off valves throughout the water distribution system. Many of the line valves have broken over time and are located in the older parts of the service area. Repairing or replacing the valves is essential for system operation and minimizes the area for shutdowns. Blow off valves will also be strategically replaced within the water distribution system. The blow off valves will be replaced with larger valves that will improve flushing velocity and efficiency, which will improve water quality.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: Field Operations Request

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
250,000	1,000,000	1,000,000	1,000,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$3,250,000**

Current Adopted Budget \$250,000

Increase/(Decrease) \$3,000,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 12-W013 Water Main - Fallon Rd, Tassajara Rd to Tassajara Creek

Funding Allocation: 100% 620

Project Manager: Steven Delight

Status: Continuing Project

Project Summary:

This development project installed 400 feet of 16-inch water main in Pressure Zone 2 and 1,700 feet of 20-inch water main in Pressure Zone 3 on Fallon Road. The project has been accepted by the District from the developer. However, the associated developer reimbursement will be disbursed when funds are available per Board policy or direction.

CEQA: EIR certified by City of Dublin 5/10/1993.

Reference: Pinn Bros. AWFA dated 7/27/2004 for Silveria Property - Phase IV.

Fund Allocation Basis: Project in support of future water customers.

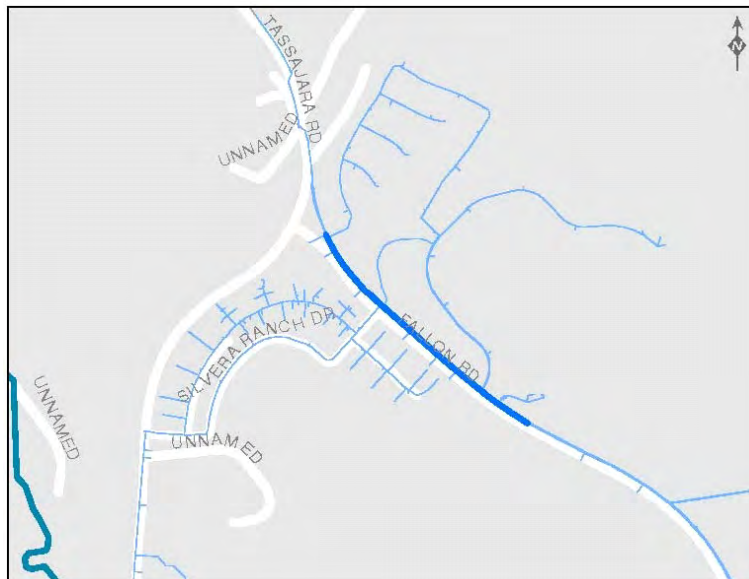
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	315,500	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$315,500**

Current Adopted Budget \$315,500

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 15-W004 Dougherty Road Utilities

Funding Allocation: 55% 610 30% 620 10% 210 5% 220

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

This project will install fiber optic conduit and construct a short segment of recycled water pipeline in conjunction with the City of Dublin Dougherty Road Widening Project and complete a portion of the conduit that leads to the Gleason property. The majority of the fiber optic conduit required is in place with the exception of a section in Dougherty Road. With this project, the District will install two 4-inch fiber optic conduits starting at Sierra Lane and Dougherty Road and proceed north to an existing pull box at Scarlett Drive and Dougherty Road. The District will also extend an 8-inch recycled water line from the existing 30-inch DERWA main in Dougherty Road and one 4-inch fiber optic conduit into Camp Parks at Eighth Street.

CEQA: Categorical Exemption [CEQA Guideline 15303]

Reference: City of Dublin Dougherty Road Widening Project

Fund Allocation Basis: Based on number of facilities associated with each fund.

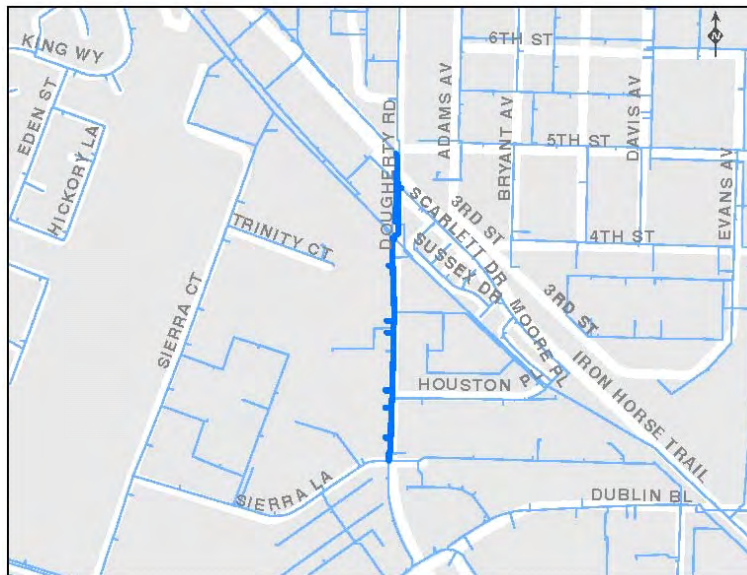
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
135,000	225,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$360,000

Current Adopted Budget \$135,000

Increase/(Decrease) \$225,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 16-W009 Potable Water Supply Reliability Planning

Funding Allocation: 67% 620 33% 610

Project Manager: Judy Zavadil

Status: Continuing Project

Project Summary:

This program will fund water supply projects that would permanently reduce the District's reliance on the State Water Project and/or bridge the gap from the present to the time in the future when the State Water Project Delta Conveyance Facilities first go into operation. The primary goal is to maintain or improve upon the District's current water supply reliability level through a diversification of its supply portfolio. Potential projects include improvements to interties with other agencies subsidized, residential rainwater capture, greywater programs, etc. The project is also funding the District's portion of the Tri-Valley Potable Reuse Feasibility Study which is an interagency effort among the signatories of the Tri-Valley Intergovernmental Reciprocal Services Master Agreement.

CEQA: To be determined.

Reference: Long Term Alternative Water Supply Study, 2015.

Fund Allocation Basis: Fund split is based on future expansion customers and reliability for existing customers.

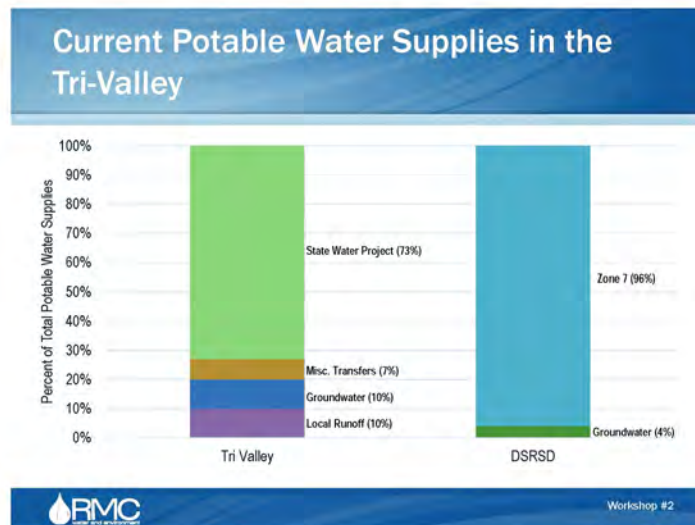
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
500,000	300,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$800,000

Current Adopted Budget \$500,000

Increase/(Decrease) \$300,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 16-W012 Potable Water Pump Station Standby Generators/Emergency Response

Funding Allocation: 100% 610

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

The 2016 Water Master Plan evaluated the overall potable water system to meet recommended planning and design criteria. Pumping criteria is met under normal operating conditions. However in the event of power outages, pumping criteria will not be met, eventually leading to a loss of fire protection. A power outage can be caused by several factors - storms, extreme heat, seismic event, localized issues with the power grid, etc. At this time, there is only one pump station in the water distribution system with a permanent standby generator. The Master Plan recommended adding permanent standby generators at PS 2C, 3A, 20B, 200A, and 300B. This project will confirm those locations and evaluate if they should be permanent or mobile generators. It will also evaluate the potential for permanent and/or mobile generators at all pumping stations. The permanent standby generators will allow our water system operators to move water up to each of the distribution zones, increasing system reliability.

CEQA: Categorical Exemption [CEQA Guideline 15303].

Reference: 2016 Water System Master Plan

Fund Allocation Basis: Project is required to maintain existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	650,000	2,390,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$3,040,000**

Current Adopted Budget \$3,040,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 17-W001 Automated Water Meter Data Transmission Repeaters

Funding Allocation: 80% 620 20% 610

Project Manager: Pat Galves

Status: Continuing Project

Project Summary:

This project will install Automatic Meter Integration (AMI) repeaters and Tower Gateway Base Stations (TBS) to correct existing data transmission problems and avoid similar future problems in anticipated high density residential developments. The combination of repeaters and TBS needed will be determined by vendor's expert inspection of existing neighborhoods and review of plans as submitted. The project will result in better billing system operation, improved accuracy and reduction in staff time for manually correcting inaccurate or missing readings.

CEQA: Categorical Exemption [CEQA Guideline 15303]

Reference: Customer Service staff recommendation

Fund Allocation Basis: Ratio of cost to maintain existing equipment vs. cost of equipment to support new water customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	108,000	24,000	24,000	24,000	84,000	24,000	24,000	24,000	24,000	0	0

Total Estimated Project Cost \$360,000

Current Adopted Budget \$360,000

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 17-W003 Reservoir 10A

Funding Allocation: 100% 620

Project Manager: Robyn Mutobe

Status: Continuing Project

Project Summary:

This project will replace the existing 3.0 million gallon reservoir with a new 4.1 million gallon reservoir. Existing Reservoir 10A was constructed in the 1940s as an open cut reservoir as part of the Camp Parks water system. It currently serves Zone 1 in central Dublin, however, the bottom elevation is about 15 feet above the rest of the zone's hydraulic grade line, creating operational difficulties. The recently approved 2016 Water System Master Plan identified a storage deficiency of 1.1 million gallons within Zone 1. The master plan reviewed potential sites to construct a new tank to fill the deficiency. The master plan recommended that the most economical course of action to mitigate the storage deficiency would be to demolish the existing reservoir and replace it with a larger reservoir that is at the correct elevation. This will gain additional storage, set the tank at the correct elevation, eliminate operational difficulties, and replace a 70 year old asset on property that the District currently owns.

CEQA: CEQA Mitigated Negative Declaration/EIR

Reference: 2016 Water System Master Plan

Fund Allocation Basis: Project is required to provide water storage capacity for future development.

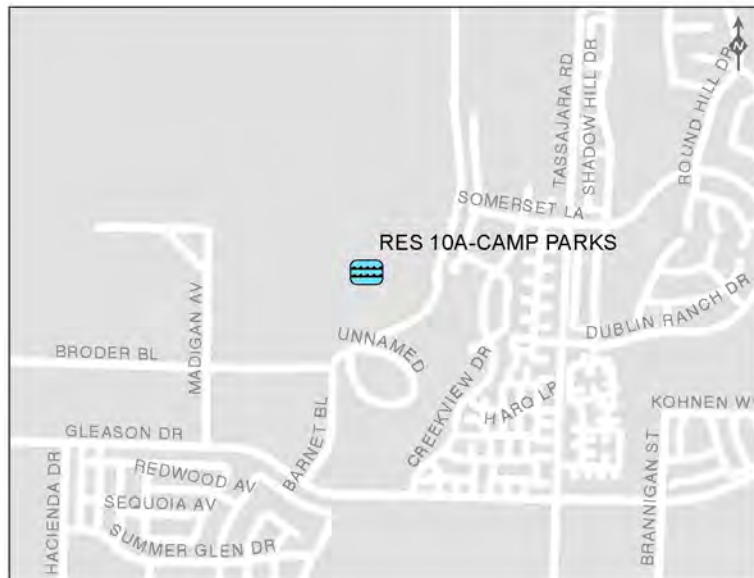
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
574,450	150,000	0	8,605,500	9,300,000	470,000	0	0	0	0	0	0

Total Estimated Project Cost \$19,099,950

Current Adopted Budget \$7,636,000

Increase/(Decrease) \$11,463,950



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 18-W021 Recycled Water Fire Hydrant Upgrades

Funding Allocation: 100% 610

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

This project will replace 12 recycled water fire hydrants in Eastern Dublin, Western Dublin, and Dougherty Valley from dry-barrel hydrants to wet-barrel hydrants. Without frequent maintenance, the current dry-barrel hydrant valves seize up and require costly repair. The new wet-barrel hydrant will include a break-off check valve assembly so that if it is hit and broken off, the check valve shuts, preventing the loss of water, water pressure, and a recycled water spill.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: Field Operations request

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
35,000	140,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$175,000

Current Adopted Budget \$175,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 12-W016 Reservoir 1B Recoating

Funding Allocation: 100% 610

Project Manager: Steven Delight

Status: Continuing Project

Project Summary:

This project will recoat the exterior and interior of Reservoir 1B. The reservoir was cleaned and inspected in 2016. The inspection report indicated that there are multiple coating blisters on the interior surfaces and areas of corrosion on the roof. The interior and exterior coatings are original. The project will also recoat all tank and piping appurtenances including the roof hatch and vents, interior and exterior ladders, manways, inlet, outlet, and overflow pipes. A new cathodic protection system will also be installed to replace the original system for all reservoirs. Reservoir 1B is a four million gallon (MG) shared facility with 2.35 MG owned by DSRSD and 1.65 MG owned by Zone 7. Per Basic Agreement for Construction and Joint Use of 4MG Dougherty Reservoir and Appurtenant Facilities dated April 19, 1983, DSRSD pays for 50% of operations and maintenance costs.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference: 2016 Dept. of Health Services inspection report; video testing report.

Fund Allocation Basis: Project is required to maintain existing water fund assets.

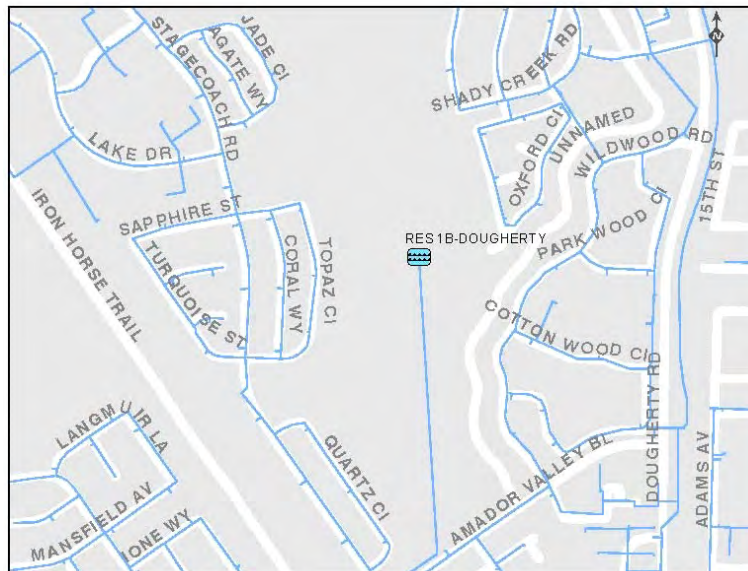
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	1,625,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$1,625,000

Current Adopted Budget \$1,025,000

Increase/(Decrease) \$600,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 14-W008 Reservoir 20B

Funding Allocation: 100% 620

Project Manager: Jackie Yee

Status: New Project

Project Summary:

Reservoir 20B will provide potable water storage capacity for eastern Dublin and, in combination with existing Pump Station 300B, will provide potable water to Dougherty Valley. The 1.3 million gallon potable water reservoir will be constructed in eastern Dublin. Depending on location of the reservoir, up to 8,700 linear feet of 12-inch Zone 2 pipeline will be needed to integrate the reservoir into the water system, and property acquisition may be required. Project implementation will be dependent on future development growth in service areas.

CEQA: CEQA Initial Study/Mitigated Negative Declaration

Reference: 2016 Water Master Plan Update

Fund Allocation Basis: Project in support of future water customers.

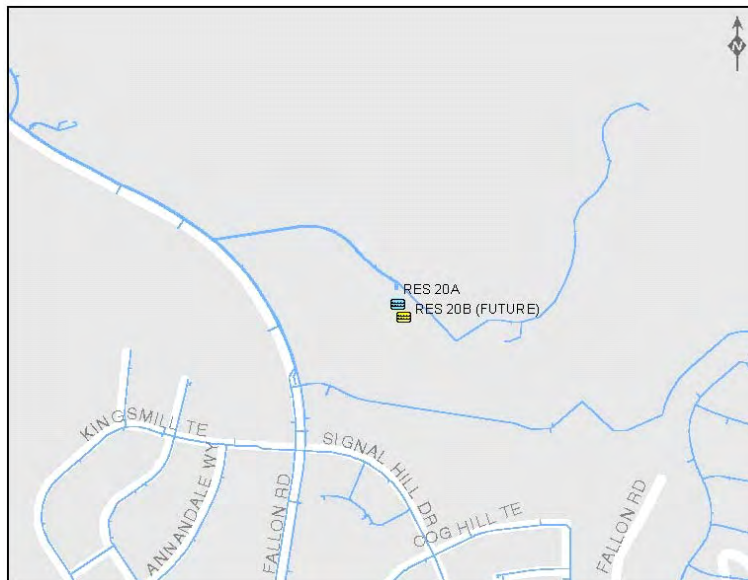
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
710,000	560,000	4,252,000	2,231,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$7,753,000**

Current Adopted Budget **\$7,150,000**

Increase/(Decrease) **\$603,000**



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 16-W017 Water Lines Replacement - Wineberry Area

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: New Project

Project Summary:

This project will replace approximately 4400 feet of 8-inch asbestos concrete pipe (ACP) potable water lines, services, and appurtenances on Wineberry Way, Cypress Court, Locust Place - South and North, and Mulberry Place. This area has a history of leaks and water service repairs.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Maintenance service history

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
117	0	0	0	0	2,207,083	0	0	0	0	0	0

Total Estimated Project Cost **\$2,207,200**

Current Adopted Budget **\$2,207,200**

Increase/(Decrease) **\$0**



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 18-W004 MCC Improvements - PS1A and PS3A

Funding Allocation: 100% 610

Project Manager: Maurice Atendido

Status: New Project

Project Summary:

The motor control centers (MCCs) at Pump Station 1A and Pump Station 3A are over 30 years old and replacement parts (i.e. starters, circuit breakers, protective devices, power monitoring equipment, etc.) require modifications to existing MCC buckets because exact replacements are no longer readily available. Pump Station 1A is a critical pump station since it is the only Pressure Zone 1 pump station in western Dublin. The District will also evaluate the rehabilitation of Pump Station 1A in a separate project in FY21 (CIP No. 20-W00X). The two projects will be coordinated as to not improve the MCC in Pump Station 1A if it is found that the rehabilitation will include MCC improvements.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: None.

Fund Allocation Basis: Project is required to replace existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	79,350	188,700	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$268,050

Current Adopted Budget \$268,050

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 20-W023 Camp Parks Water Main - 5th Street, Adams to Davis Street

Funding Allocation: 100% 610

Project Manager: Steven Delight

Status: New Project

Project Summary:

This project will replace approximately 1,100 feet of 8-inch potable water main, including services and valves. The existing water main is located in the front yard of homes along 5th Street. The new pipeline will be installed in accordance with District Standards and will be located within 5th Street. The developer working on the "Boulevard" project will complete the work, and the District will issue a reimbursement for a portion of the work.

CEQA: TBD

Reference: Water Replacement Asset Management Model

Fund Allocation Basis: Project is required to maintain existing water fund assets.

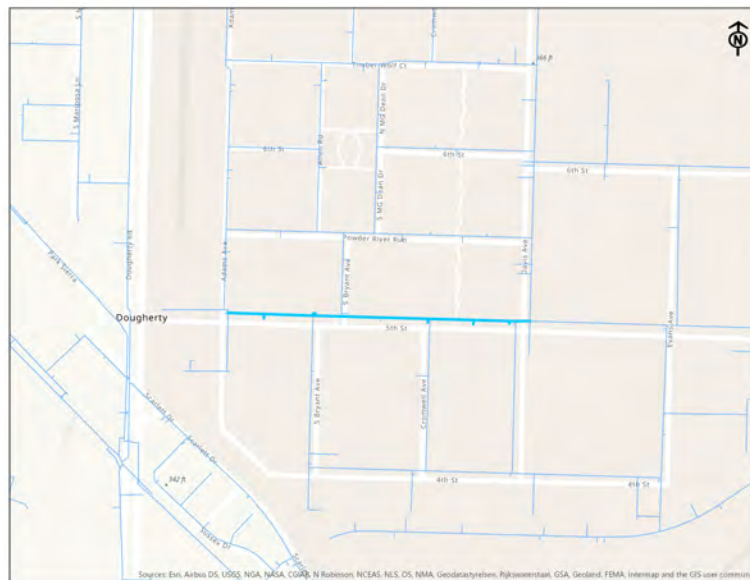
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	550,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$550,000

Current Adopted Budget \$0

Increase/(Decrease) \$550,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 17-W002 Electrical Service to Reservoir 200B

Funding Allocation: 100% 610

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

This project will install PG&E service for Reservoir 200B, which is currently using a solar panel that requires frequent maintenance. The project includes property rights, new conduit, and a PG&E service pedestal.

CEQA: Categorical Exemption [CEQA Guideline 15303].

Reference: Electrical and Instrumentation staff recommendation.

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
143,700	90,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$233,700**

Current Adopted Budget \$585,800

Increase/(Decrease) (\$352,100)



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 08-6103 Camp Parks Water Main - Seville Ave to 12th St

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: New Project

Project Summary:

This project will provide additional capacity to meet fire flows deficiencies in central Dublin due to revised fire department regulations. This project will design and install 1420 feet of 12-inch water main in 12th Street from Seville Avenue to the east end of 12th Street (northwest corner of U.S. Department of Justice) located in Camp Parks. This project will be coordinated with Camp Parks development.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Fire Department Regulations

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

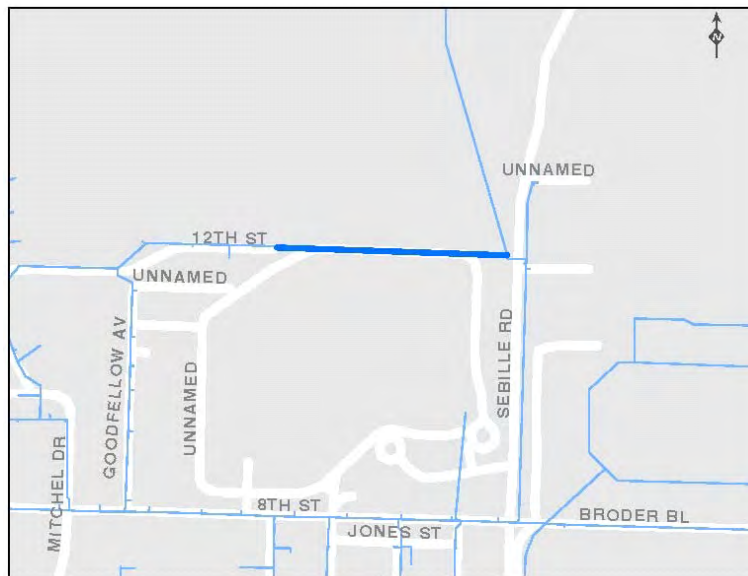
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	520,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$520,000

Current Adopted Budget \$444,600

Increase/(Decrease) \$75,400



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 20-W016 Camp Parks Water Main - Mitchell Drive, Powell to 8th Streets

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: New Project

Project Summary:

This project will install a new 500 feet of 8-inch potable water line in Mitchell Drive north of 8th Street and will include miscellaneous modifications. There have been numerous main repairs required in this area. This project will be coordinated with Camp Parks development.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

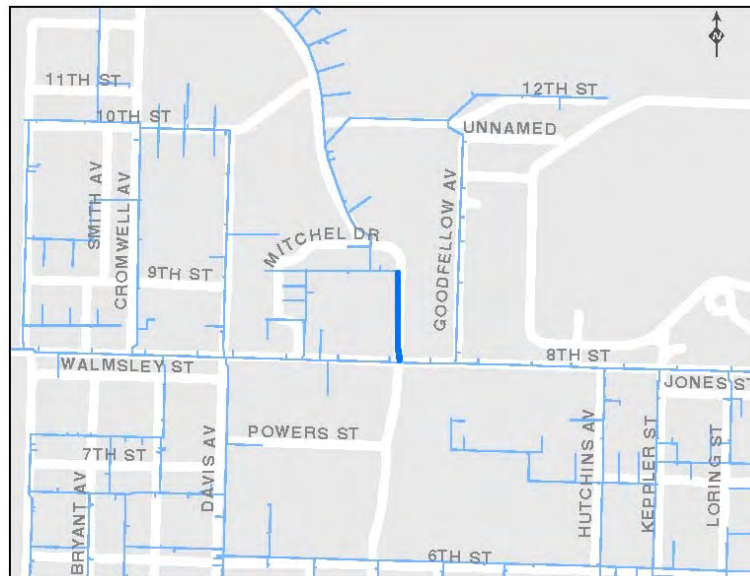
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	182,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$182,000**

Current Adopted Budget \$0

Increase/(Decrease) \$182,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 20-W017 Water System Master Plan Update and Operations Plan Update

Funding Allocation: 100% 620

Project Manager: Irene Suroso

Status: New Project

Project Summary:

This project will update the District's 2016 Water System Master Plan in five years. The master plan outlines the water system required to serve our customers from current conditions through future build-out conditions ensuring the water system operation is reliable as systems expand. This project also includes a capacity reserve fee study based on the master plan recommended infrastructure projects.

CEQA: Not a project under CEQA [CEQA Guideline 15378].

Reference: 2016 Water System Master Plan

Fund Allocation Basis:

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	500,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$500,000

Current Adopted Budget \$0

Increase/(Decrease) \$500,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 20-W024 Camp Parks Water Mains - Cromwell Avenue and 12th Street

Funding Allocation: 100% 610

Project Manager: Jason Ching

Status: New Project

Project Summary:

This project will replace 2800 feet of 6-inch asbestos concrete pipe (ACP) potable water lines west of Cromwell Avenue between 10th and 12th Streets, and in 12th Street west of Cromwell Avenue to north of Davis Avenue. These lines have a history of frequent breaks and repairs, several have been shear type breaks. This project will be coordinated with Camp Parks development.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Camp Parks Privatization Study, WBA, July 1998

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

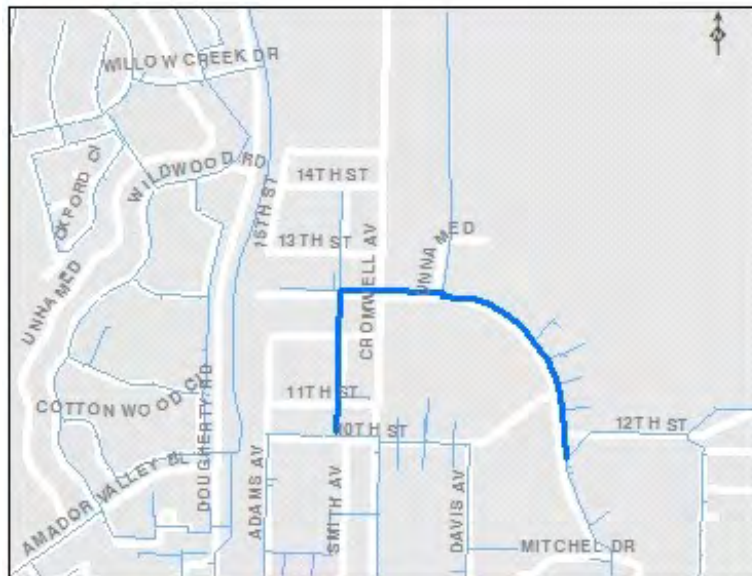
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	767,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$767,000**

Current Adopted Budget \$0

Increase/(Decrease) \$767,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 20-W018 Reservoir 20A Recoating

Funding Allocation: 100% 610

Project Manager: Jackie Yee

Status: New Project

Project Summary:

This project will recoat the exterior and interior of Reservoir 20A. The reservoir was cleaned and inspected in 2016. The inspection report indicated that there are multiple coating blisters on the interior surfaces and areas of corrosion on the roof. The interior and exterior coatings are original. The project will also recoat all tank and piping appurtenances including the roof hatch and vents, interior and exterior ladders, manways, inlet, outlet, and overflow pipes. A new cathodic protection system will also be installed to replace the original system. This project will take place after the completion of Reservoir 20B. It may also need to coordinate construction timing with the golden eagle nesting in the tree near the tank site. If the eagle is still there, construction cannot take place until after July 1. Budget to paint the roof of the reservoir, as required by the 2018 Division of Drinking Water inspection has been included in FYE 2021 and will occur in advance of the recoating project.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference: 2016 Inspection report

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

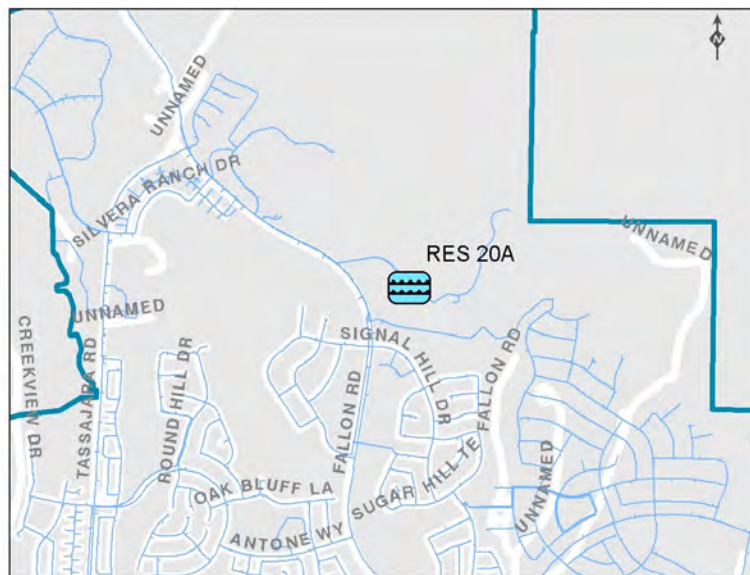
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	50,000	0	2,157,300	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,207,300**

Current Adopted Budget \$0

Increase/(Decrease) **\$2,207,300**



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 20-W015 Turnout 6

Funding Allocation: 100% 620

Project Manager: Jason Ching

Status: New Project

Project Summary:

This project will provide water supply for development in eastern Dublin. A turnout from Zone 7 south of I-580 at Pimlico Drive with a capacity of 6000 gpm (8.6 mgd) will be installed. This project will include 2300 feet of 20-inch main from the turnout to Dublin Boulevard with 200 feet of trenchless pipeline to cross under I-580. This turnout will include chemical feed facilities. This project adds redundancy and improves reliability of the distribution system. The new turnout is served by Zone 7 Water Agency's Cross Valley Pipeline.

CEQA: Previous EIR certified 5-10-93 by City of Dublin.

Reference: 2016 Water Master Plan Update

Fund Allocation Basis: Project is required to support future water customers.

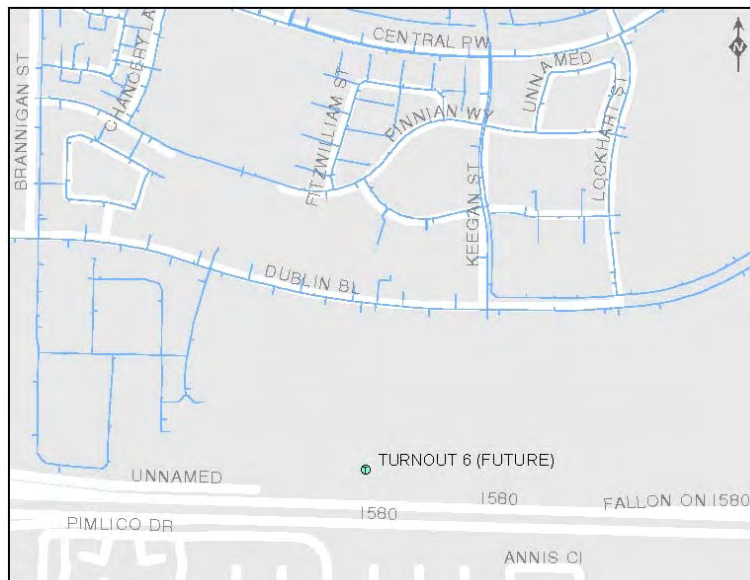
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	500,000	500,000	2,800,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$3,800,000**

Current Adopted Budget \$0

Increase/(Decrease) \$3,800,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 00-W002 Capital Improvements to Increase Water Supply PROGRAM - Phase 2

Funding Allocation: 75% 610 25% 620

Project Manager: Judy Zavadil

Status: Continuing Program

Project Summary:

This program will develop projects to meet the objectives of the Water Supply and Conservation Policy adopted by the Board on October 20, 2015. The program will focus on diversifying the sources of water supply so that no less than 60% of total demand (potable and recycled) is satisfied by local and regional water supplies, and that no more than 40% of total water supply (potable and recycled) comes from any one physical source. The program may include a range of diversification projects including a potable reuse project defined in the Joint Tri-Valley Potable Water Reuse Feasibility Study, an intertie project with EBMUD to serve "north of the Delta" transfers, or participation in a regional desalination project. Projects funded by this program may be completed in partnership with Tri-Valley or neighboring agencies based on the Potable Reliability Planning project (CIP 16-W009).

CEQA: Environmental Impact Report

Reference: Long Term Alternative Water Supply Study, September 2015; Water Supply and Conservation Policy, and 2016 Water Capacity Reserve Fee Study

Fund Allocation Basis: Based on the ratio of current water demands to projected build-out demands at the time of program inception

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	300,000	500,000	500,000	500,000	500,000	3,000,000	12,000,000	22,700,000	0	0	0

Total Estimated Project Cost \$40,000,000

Current Adopted Budget \$40,000,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 00-W011 Water System Replacement and Rehabilitation PROGRAM

Funding Allocation: 100% 610

Project Manager: Steven Delight

Status: Continuing Program

Project Summary:

This program is an element of the District's Asset Management Program and will fund projects to upgrade, replace and improve water system facilities to ensure the District provides uninterrupted water supply service. This program provides for the renewal or replacement of equipment on an as-needed basis or the upgrade of equipment as it becomes obsolete. This program may also be used to investigate issues that lead to the identification of projects that require the creation of a specific CIP project.

CEQA: To be determined based on individual projects funded by program.

Reference: District internal inspections; CMMS

Fund Allocation Basis: Program required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	300,000	300,000	300,000	300,000	300,000	300,000	500,000	500,000	1,500,000	1,700,000	8,000,000

Total Estimated Project Cost **\$14,000,000**

Current Adopted Budget \$0

Increase/(Decrease) \$14,000,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 00-W001 Capital Improvement to Increase Water Supply PROGRAM - Phase 1

Funding Allocation: 67% 620 33% 610

Project Manager:

Status: New Program

Project Summary:

The objective of this program is to fund projects that increase potable water supply and develop recycled water and potable water supply improvements. Through FY16 this Program funded 1) the Recycled Water Expansion Phase 1: Distribution to West Dublin and Alameda County Facilities Project; 2) the Recycled Water Expansion State Grant Assistance Project; 3) the Water Supply Contingency Plan; 4) the in-progress Water Supply Reliability project in support of the Tri-Valley Potable Reuse Feasibility Study; and 5) the Water Reuse Demonstration project. The remainder of the program funds will be used to expand the current recycled water distribution system and to continuously meet the recycled water demands 100% of time, which may include acquiring additional wastewater effluent supplies and/or off-season wastewater effluent storage and to actively promote water conservation for commercial and residential customers, with a long-term goal of a permanent system-wide average annual residential potable use of no more than 70 gallons per capita per day.

CEQA: To be determined.

Reference:

Fund Allocation Basis: Based on the ratio of current water demands to projected buildout demands at the time of program inception

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	234,000	500,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$734,000

Current Adopted Budget \$0

Increase/(Decrease) \$734,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 20-W019 Automated Water Quality Monitoring

Funding Allocation: 100% 610

Project Manager: Irene Suroso

Status: Future Project

Project Summary:

This project will install water quality monitors at all District potable and recycled water reservoirs, pump stations and turnouts. Analyzers will focus on key water quality indicators such as chlorine, fluoride and ammonia as well as other useful parameters. Data collected from analyzers will be used to track water quality effects resulting from operational strategy improvements and facilities upgrades.

CEQA:

Reference:

Fund Allocation Basis:

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	600,000	300,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$900,000

Current Adopted Budget \$0

Increase/(Decrease) \$900,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. 16-A016 District Facilities Security Project - Phase 2

Funding Allocation: 90% 610 10% 310

Project Manager: Dan Lopez

Status: Future Project

Project Summary:

This project will 1) review past recommendations for physical security for the potable and recycled water facilities and the sewer lift stations, 2) inventory which recommendations have been implemented, either installed over the last few years or installed as part of the SCADA project (09-6101) and, 3) develop a plan and cost estimate for remaining required improvements. The project cost will be revised in future years to include the cost of construction once the required improvements are defined.

CEQA: To be determined.

Reference: Physical Security Risk Assessment, Pinkerton Consulting, April 2004.

Fund Allocation Basis: Based on number of facilities associated with each fund.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	50,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$50,000

Current Adopted Budget \$50,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 16-R013 Water Reuse Demonstration Project

Funding Allocation: 100% 620

Project Manager: Judy Zavadii

Status: Future Project

Project Summary:

The water reuse treatment demonstration project will (1) develop treatment system design criteria for reuse of District treated water, (2) develop sufficient treated water quality data and work with the relevant regulatory agency, State Water Resources Control Board's Division of Drinking Water, to demonstrate regulatory compliance for reuse of District treated water, and (3) conduct public outreach regarding potable reuse and provide opportunities for the public to see the reuse treatment process, and understand the level of treatment provided and finished water quality. Budget is based on a six-month demonstration project included microfiltration, reverse osmosis, and advanced oxidation located at the District Wastewater Treatment Plant.

CEQA: To be determined.

Reference:

Fund Allocation Basis: Project in support of future water customers.

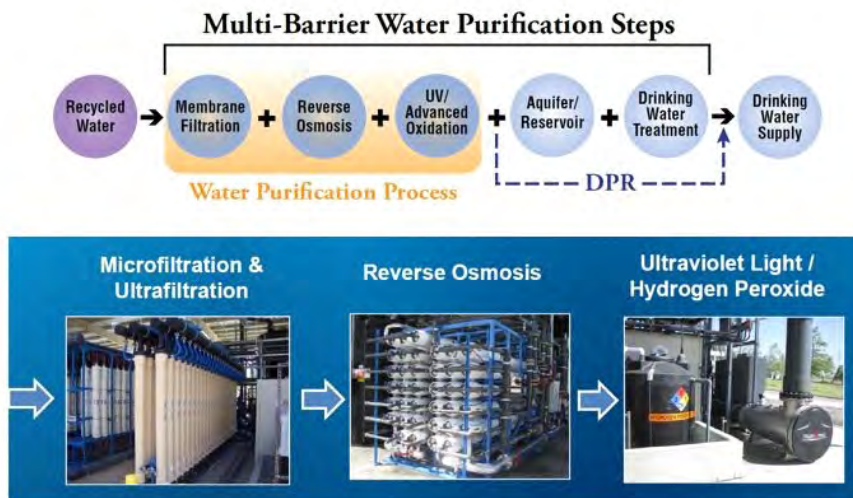
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	85,000	85,000	215,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$385,000**

Current Adopted Budget \$300,000

Increase/(Decrease) \$85,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T16-28 Water Lines Replacement - Tamarack Drive - Village Pkwy to Firethorn Way

Funding Allocation: 100% 610

Project Manager:

Status: Future Project

Project Summary:

This project will replace the existing 2300 feet of 8-inch and 10-inch asbestos cement pipe (ACP) potable water lines in Tamarack Drive from Village Parkway to Firethorn Way, along with valves, hydrants, and services. The lines were installed in 1961. Staff reviewed the pipe repair history, corrosion information and the acoustic evaluation and have concluded that they are near the end of their useful lives and therefore should be replaced.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

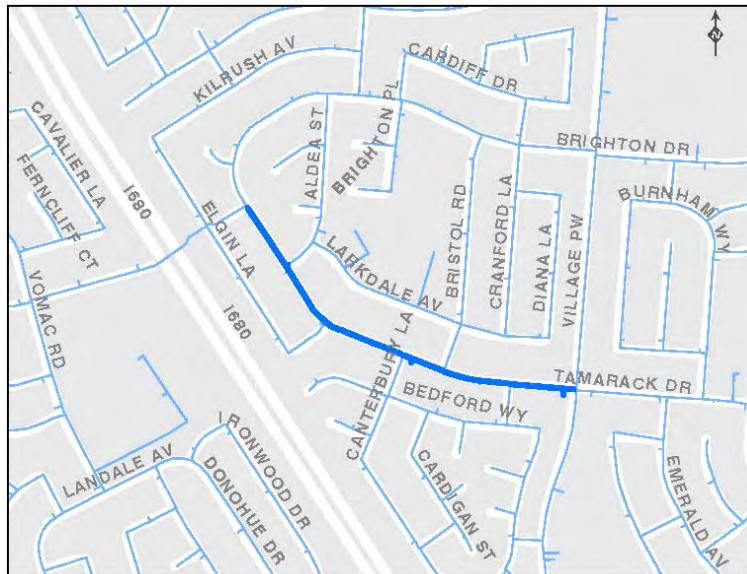
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	1,101,780	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,101,780**

Current Adopted Budget \$0

Increase/(Decrease) \$1,101,780



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T16-29 Water Lines Replacement - Canterbury Lane and Cardigan Street

Funding Allocation: 100% 610

Project Manager:

Status: Future Project

Project Summary:

This project will replace approximately 2,800 feet of existing 4-inch, 6-inch and 8-inch asbestos cement pipe (ACP) potable water lines in Canterbury Lane from Bedford Way to Flanders Way, Cardigan Street, Mayan Court, Flanders Way, and Cardigan Court, along with valves, hydrants, and services. The lines were installed in 1961. Staff reviewed the pipe repair history, corrosion information and the acoustic evaluation and have concluded that they are near the end of their useful lives and therefore should be replaced.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

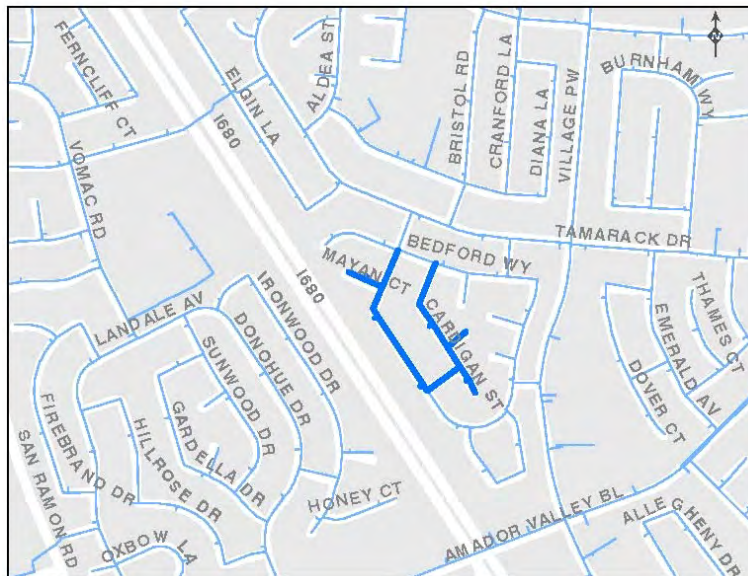
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	1,190,000	0	0	0	0	0

Total Estimated Project Cost \$1,190,000

Current Adopted Budget \$0

Increase/(Decrease) \$1,190,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T16-30 Water Line Replacement Phase 2 - Canterbury Lane

Funding Allocation: 100% 610

Project Manager:

Status: Future Project

Project Summary:

This project will replace approximately 3700 feet of existing 4-inch, 6-inch and 8-inch asbestos cement pipe (ACP) potable water lines in Canterbury Lane from Flanders Way to Bedford Way, Bedford Way from Canterbury to Alene Street, Hastings Way, Sutton Lane, Jasmine Court, and Canterbury Court, along with valves, hydrants, and services. The lines were installed in 1961. Staff reviewed the pipe repair history, corrosion information and the acoustic evaluation and have concluded that they are near the end of their useful lives and therefore should be replaced.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

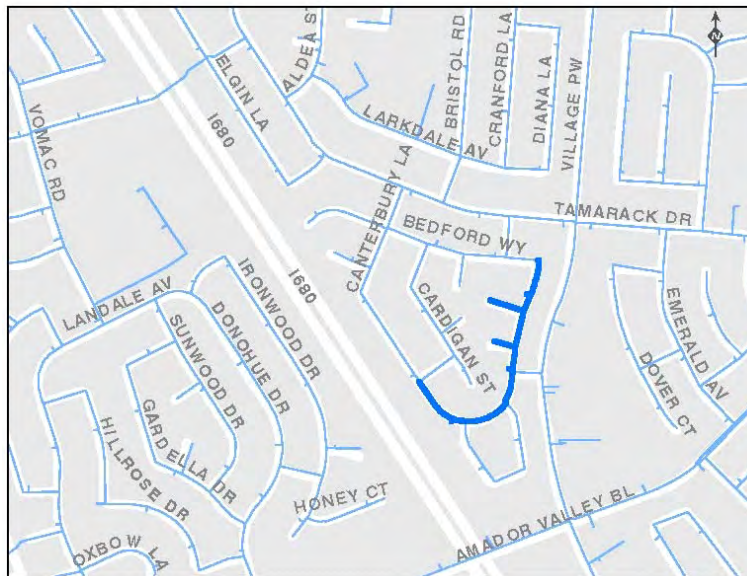
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	1,208,770	0	0	0	0	0

Total Estimated Project Cost \$1,208,770

Current Adopted Budget \$0

Increase/(Decrease) \$1,208,770



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T20-18 Pump Station 1A Rehabilitation

Funding Allocation: 100% 610

Project Manager: Robyn Mutobe

Status: Future Project

Project Summary:

This project will upgrade or replace Pump Station 1A. Pump Station 1A pumps water from the Zone 7 water system to the District's Zone 1 distribution system on the west side. The suction and discharge manifolds cause high head loss, inefficiency, and pump cavitation. The project will also study upgrading or replacing the pump station at the existing location or possibly relocating it to the Turnout 1 site. Fluoride storage and injection equipment housed at the facility will also be upgraded.

CEQA: Potential Mitigated Negative Declaration.

Reference: To be determined.

Fund Allocation Basis: Project is required to replace existing water assets.

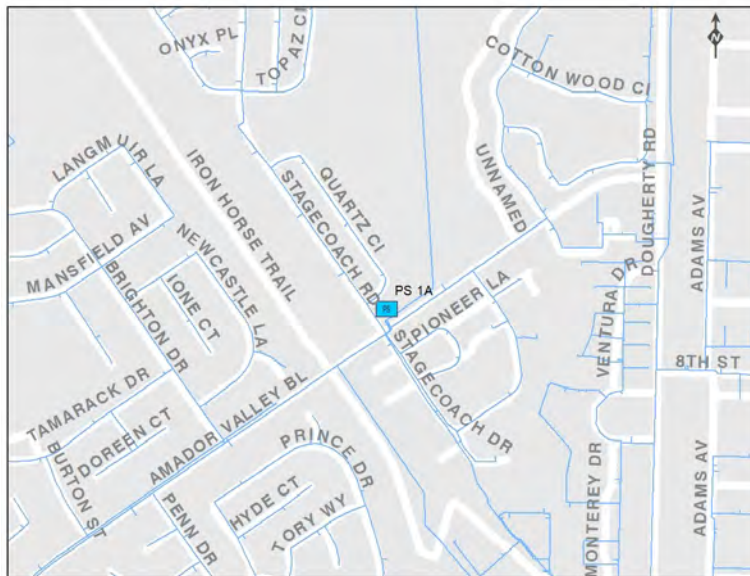
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	330,000	2,530,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$2,860,000

Current Adopted Budget \$0

Increase/(Decrease) \$2,860,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T16-31 Water Line Replacement - Ironwood Drive

Funding Allocation: 100% 610

Project Manager:

Status: Future Project

Project Summary:

This project will replace approximately 2800 feet of existing 4-inch, 6-inch and 8-inch asbestos cement pipe (ACP) potable water lines in Ironwood Drive, Irving Way, Honey Court, and Ironwood Court, along with valves, hydrants, and services. The lines were installed in 1960. Staff reviewed the pipe repair history, corrosion information and the acoustic evaluation and have concluded that they are near the end of their useful lives and therefore should be replaced.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

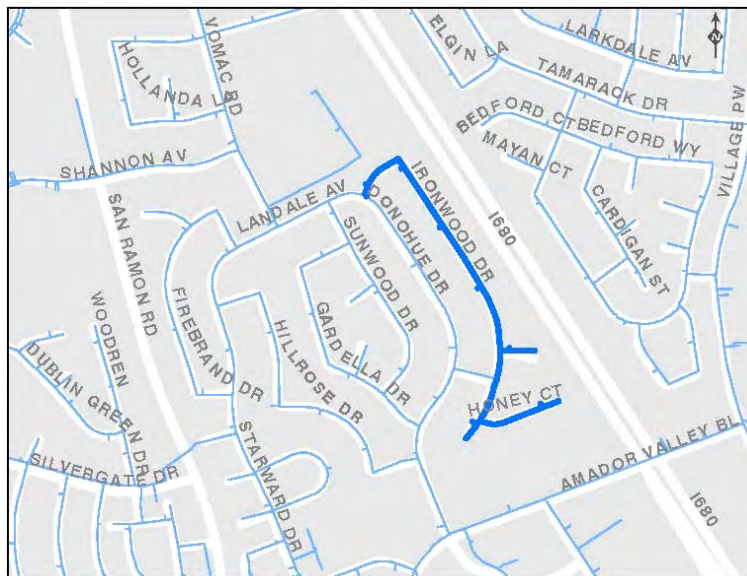
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	1,210,260	0	0	0	0

Total Estimated Project Cost **\$1,210,260**

Current Adopted Budget \$0

Increase/(Decrease) \$1,210,260



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T10-86 **Camp Parks Water Mains - Lorrying Street and Monroe Avenue**

Funding Allocation: 100% 610

Project Manager:

Status: Future Project

Project Summary:

This project will replace 1200 feet of 8-inch potable water lines in Lorrying Street and Monroe Avenue, from 7th to 8th Streets, as well pipelines in Jones and 7th Streets. These lines have had several breaks and have required numerous repairs. This project will be coordinated with Camp Parks development.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

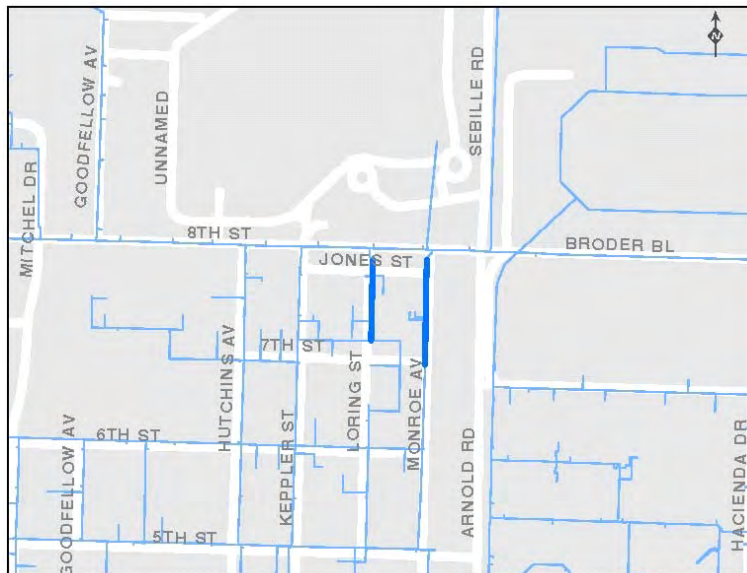
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	0	0	0	355,100	0

Total Estimated Project Cost **\$355,100**

Current Adopted Budget \$0

Increase/(Decrease) \$355,100



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Expansion (Fund 620)

CIP No. 08-6202 Pump Station 20A Improvements

Funding Allocation: 100% 620

Project Manager:

Status: Future Project

Project Summary:

This project will add an additional pump to Pump Station 20A. The pump station was constructed with provisions for the addition of a fourth pump that matches the existing pumps. Pump Station 20B was sized assuming that this additional pump would be installed. The additional pump is needed to meet buildout pumping capacity in Pressure Zone 2 in eastern Dublin as identified in the 2016 Water Master Plan Update. This project also includes modifications to the motor control center and controls required to accommodate the fourth pump.

CEQA: EIR Certified by City of Dublin 5/10/93.

Reference: 2005 Basis of Design Report for Pump Station 20B; Eastern Dublin Specific Plan; 2016 Water Master Plan Update.

Fund Allocation Basis: Project in support of future water customers.

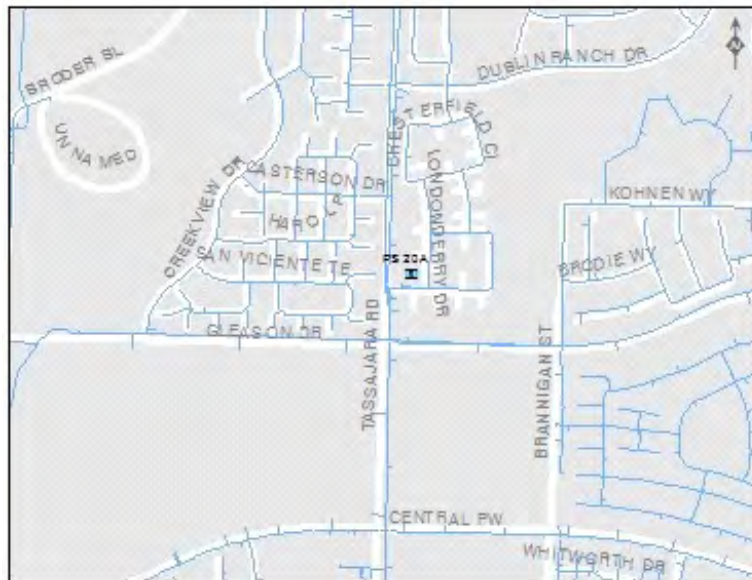
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	470,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$470,000**

Current Adopted Budget \$327,500

Increase/(Decrease) \$142,500



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WATER SYSTEM

Water Replacement (Fund 610)

CIP No. T16-67 Reservoir Recoating PROGRAM

Funding Allocation: 100% 610

Project Manager:

Status: Future Program

Project Summary:

This project will recoat the interiors and paint the exteriors of potable and recycled reservoirs. The recoating and painting will provide corrosion control, extend the reservoir useful life and maintain facility aesthetics. There are five reservoirs, 30A, 300A, 1A, 3A and 3B, that will require recoating from FYE 2026 through FYE 2030.

CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing water fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	812,500	1,560,000	1,260,000	560,000	344,500

Total Estimated Project Cost \$4,537,000

Current Adopted Budget \$0

Increase/(Decrease) \$4,537,000



CIP 10-YEAR PLAN FYEs 2020 through 2029

** Listed according to project timing from earliest to latest*

CATEGORY: WASTEWATER COLLECTION

CIP No.	Project Name	Page
<u>2-Year Projects</u>		
20-S014	Dublin Boulevard - Amador Plaza Road to Village Parkway	103
20-S013	East Dublin 36" Trunk Sewer Rehabilitation	104
00-S020	Wastewater Collection System Replacement and Rehabilitation PROGRAM	105
<u>Future Projects</u>		
T20-04	Dublin Boulevard - Clark Avenue to Sierra Court	106
T20-05	Dublin Court and Dublin Boulevard Sewer Replacement	107
T20-06	Village Parkway - South of Dublin Boulevard	108
18-S006	San Ramon Golf Course 24" Trunk Sewer Rehabilitation	109
18-S007	Alcosta Blvd Sewer Replacement	110
14-S001	Camp Parks Sewer Rehabilitation Project - Goodfellow Ave North of 8th Street	111
T14-02	Camp Parks Sewer Rehabilitation Project - Davis and Cromwell, 8th to 10 Streets	112
14-S002	Camp Parks Sewer Rehabilitation Project - Adams 8th to 10th Streets	113
T16-50	Iron Horse Trail Sewer Replacement	114
08-2101	Donahue Dr./Vomac Rd. Relief Sewer	115
T00-76	Dublin Trunk Relief Sewer	116

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Expansion (Fund 220)

CIP No. 20-S014 Dublin Boulevard - Amador Plaza Road to Village Parkway

Funding Allocation: 100% 220

Project Manager: Rudy Portugal

Status: New Project

Project Summary:

This project will upsize 731 feet of 18-inch gravity main to 21-inch gravity main in Dublin Boulevard between Amador Plaza Road and Village Parkway. The recently approved 2019 Collection System Master Plan included an evaluation of the collection system under future flow conditions. Based on the evaluation, improvements were recommended to eliminate future system deficiencies and to meet projected flows for future downtown development.

CEQA: CEQA Initial Study/Mitigated Negative Declaration

Reference: 2019 Local Collection System Master Plan

Fund Allocation Basis: Project is required to convey future customer wastewater flows

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	175,000	645,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$820,000**

Current Adopted Budget \$0

Increase/(Decrease) \$820,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 20-S013 East Dublin 36" Trunk Sewer Rehabilitation

Funding Allocation: 100% 210

Project Manager: Jason Ching

Status: New Project

Project Summary:

This project will rehabilitate approximately 670 feet of an existing 36-inch reinforced concrete pipe (RCP) of the East Dublin PRFTA trunk. The pipe was installed in 1960 and have deteriorated with some corrosion visible and significant spalling. The first pipe reach is in an easement that begins just west of Johnson Drive (about 500 feet north of Owens Drive) and continues west almost to Owens Drive. The second pipe section is in an easement just south of I-580 between Owens Court and the Pleasanton BART parking lot (behind Dahlin Group Building). The section between was lined in 1993 and is in fair condition at this time.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Results of National Plant Services field investigation (CCTV, sonar, laser) of large diameter sewers

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

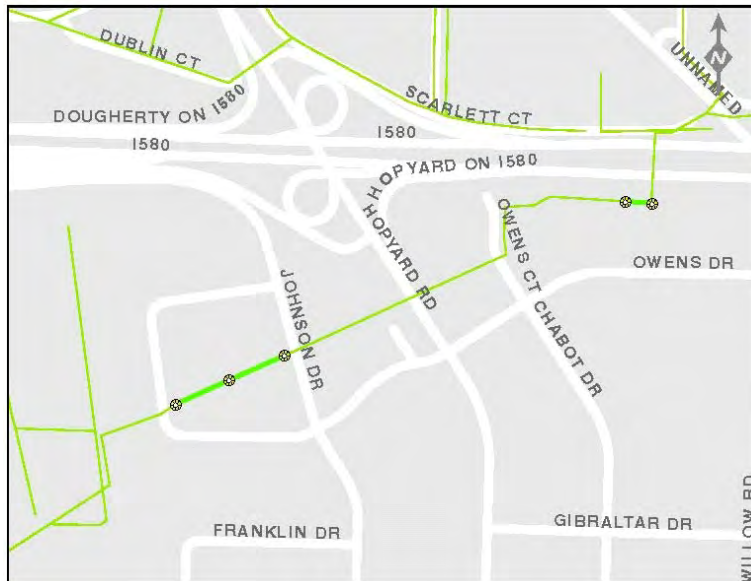
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	737,600	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$737,600

Current Adopted Budget \$0

Increase/(Decrease) \$737,600



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 00-S020 Wastewater Collection System Replacement and Rehabilitation PROGRAM

Funding Allocation: 100% 210

Project Manager: Steven Delight

Status: Continuing Program

Project Summary:

This project will insure that uninterrupted sewer collection service is provided and will include, but are not limited to, repairing leaking pipes, pipe joints and manholes to reduce the amount of infiltration and inflow rates, which will reduce operating costs at the wastewater treatment plant and extend the LAVWMA wet weather capacity. Sewer lines and manholes will be repaired or replaced as identified by District staff annually.

CEQA: To be determined based on each project funded by the program.

Reference: Asset Management Program.

Fund Allocation Basis: Program is required to replace or rehabilitate existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,000,000	1,000,000	1,000,000	9,000,000

Total Estimated Project Cost **\$14,100,000**

Current Adopted Budget \$0

Increase/(Decrease) \$14,100,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Expansion (Fund 220)

CIP No. T20-04 Dublin Boulevard - Clark Avenue to Sierra Court

Funding Allocation: 100% 220

Project Manager:

Status: Future Project

Project Summary:

This project will upsize 1,048 feet of 10-inch gravity main to 12-inch gravity main in Dublin Boulevard between Clark Avenue and Sierra Court. The siphons proximate to these gravity mains are not included as part of the project. This project was recommended in the 2019 Wastewater Collection System Master Plan after extensive hydraulic evaluation.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: 2019 Local Wastewater Collection System Master Plan

Fund Allocation Basis: Project is required to convey future customer wastewater flows

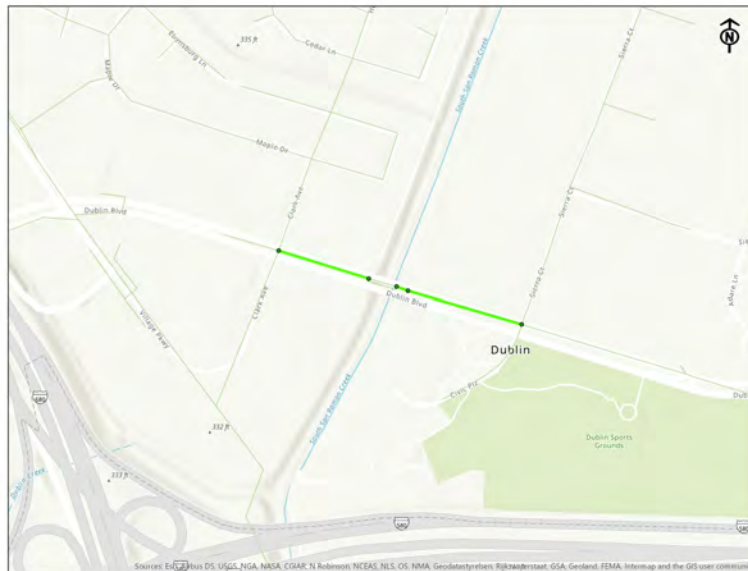
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	175,000	500,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$675,000**

Current Adopted Budget \$0

Increase/(Decrease) \$675,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. T20-05 Dublin Court and Dublin Boulevard Sewer Replacement

Funding Allocation: 100% 210

Project Manager:

Status: Future Project

Project Summary:

This project will replace approximately 300 feet of 10-inch pipe near the intersection of Dublin Blvd and Dublin Court. The pipeline travels under a drainage canal and has been damaged over time. It has been temporarily repaired with a small liner, however remains a trouble spot for the collection system.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: 2019 Local Wastewater Collection System Master Plan

Fund Allocation Basis: Project is required to replace existing local wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	200,000	550,000	0	0	0	0	0	0

Total Estimated Project Cost \$750,000

Current Adopted Budget \$0

Increase/(Decrease) \$750,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Expansion (Fund 220)

CIP No. T20-06 Village Parkway - South of Dublin Boulevard

Funding Allocation: 100% 220

Project Manager:

Status: Future Project

Project Summary:

This project will upsize 1,262 feet of 36-inch and 39-inch gravity main to 42-inch gravity main in Village Parkway south of Dublin Boulevard. These gravity mains are recently lined but are still recommend for upsizing due to hydraulic deficiency. This project was recommended as part of the 2019 Wastewater Collection System Master Plan.

CEQA: CEQA Initial Study/Mitigated Negative Declaration

Reference: 2019 Local Collection System Master Plan

Fund Allocation Basis: Project is required to convey future customer wastewater flows

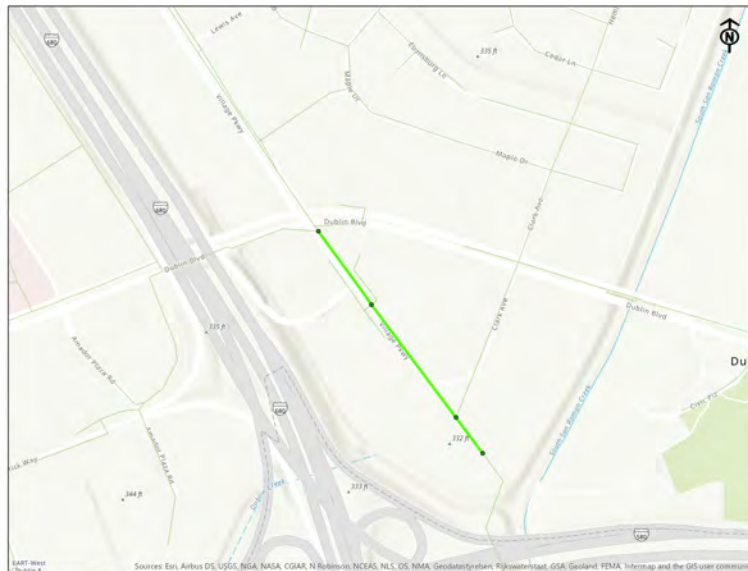
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	275,000	2,557,000	0	0	0

Total Estimated Project Cost **\$2,832,000**

Current Adopted Budget \$0

Increase/(Decrease) \$2,832,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 18-S006 San Ramon Golf Course 24" Trunk Sewer Rehabilitation

Funding Allocation: 100% 210

Project Manager: Jackie Yee

Status: Future Project

Project Summary:

This section of existing 24-inch reinforced concrete pipe (RCP) installed in 1961 has deteriorated with corrosion visible and concrete spalling. The project will rehabilitate approximately 470 feet of the trunk sewer in the Iron Horse Trail at the San Ramon Valley Golf Course from about 1500 feet north of Alcosta Blvd, south to about 1000 feet north of Alcosta Blvd.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program: results of National Plant Services field investigation (CCTV, sonar, laser) of large diameter sewers

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

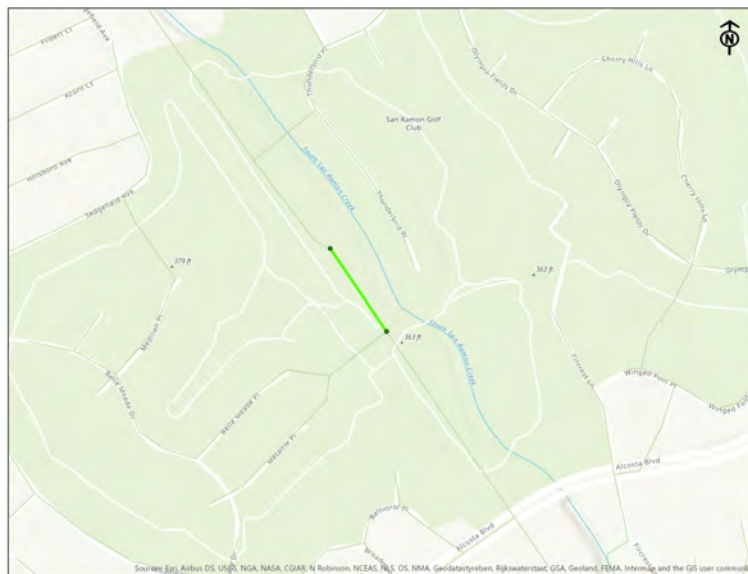
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	557,500	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$557,500

Current Adopted Budget \$557,500

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 18-S007 Alcosta Blvd Sewer Replacement

Funding Allocation: 100% 210

Project Manager: Robyn Mutobe

Status: Future Project

Project Summary:

The project will replace approximately 1250 feet of 10-inch of vitrified clay pipe (VCP) sewer located in Alcosta Blvd from approximately at Village Parkway east to the Iron Horse Trail. The sags in the pipe make it impossible to TV to determine its condition and requires cleaning on frequent basis (3-month trouble spot). The project will replace the sewer as needed to prevent the potential of sanitary sewer overflow (SSO) incidents.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

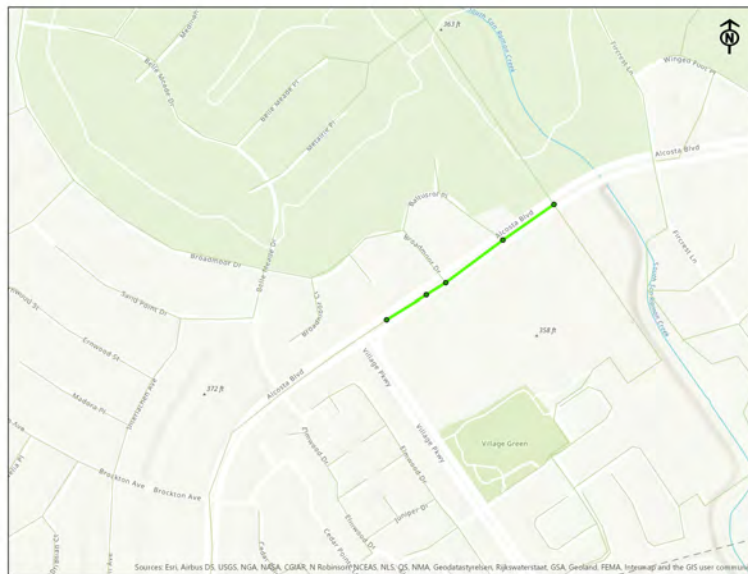
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	63,500	416,875	0	0	0	0	0	0	0

Total Estimated Project Cost **\$480,375**

Current Adopted Budget **\$480,375**

Increase/(Decrease) **\$0**



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 14-S001 Camp Parks Sewer Rehabilitation Project - Goodfellow Ave North of 8th Street

Funding Allocation: 100% 210

Project Manager: Steven Delight

Status: Future Project

Project Summary:

This project will rehabilitate approximately 1500 feet of 8-inch of vitrified clay pipe (VCP) sewer on Goodfellow Avenue north of 8th Street. It will include fixing the siphon installed by the Federal Corrections Institute (FCI). This pipe has several cracks and fractures leading to high inflow and infiltration rates. Project cost will be dependent on the method of rehabilitation which may be slip line, pipeburst or replacement.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Camp Parks Privatization Study, WBA, July 1998

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

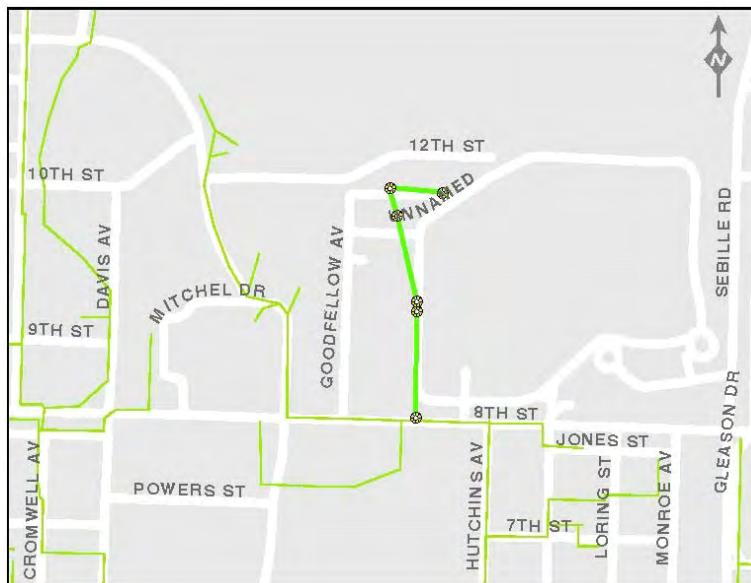
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
22,090	0	0	389,215	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$411,305

Current Adopted Budget \$411,305

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. T14-02 **Camp Parks Sewer Rehabilitation Project - Davis and Cromwell, 8th to 10 Streets**

Funding Allocation: 100% 210

Project Manager:

Status: Future Project

Project Summary:

This project will rehabilitate approximately 2600 feet of 12-inch of vitrified clay pipe (VCP) sewer along Davis and Cromwell Avenues, between 8th and 10th Streets. The existing sewer has several cracks and fractures leading to high inflow and infiltration rates. The project may pipeburst, or slip line, or replace the pipe in its entirety.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Camp Parks Privatization Study, WBA, July 1998

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

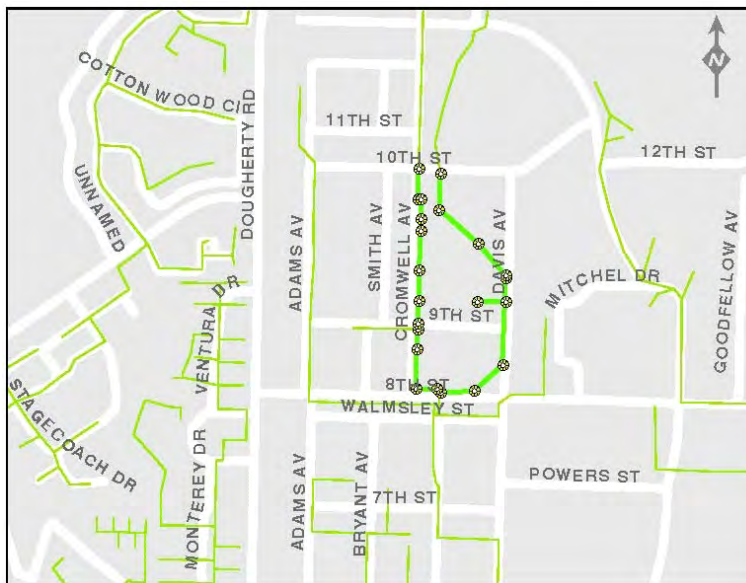
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	1,113,480	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,113,480**

Current Adopted Budget \$0

Increase/(Decrease) \$1,113,480



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 14-S002 Camp Parks Sewer Rehabilitation Project - Adams 8th to 10th Streets

Funding Allocation: 100% 210

Project Manager:

Status: Future Project

Project Summary:

This project will rehabilitate approximately 1300 feet of 12-inch of vitrified clay pipe (VCP) sewer along Adams Avenue between 8th and 10th Streets. The existing sewer has several cracks and fractures leading to high inflow and infiltration rates. Project cost will be dependent on the method of rehabilitation which may be slip line, pipeburst or replacement.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: Camp Parks Privatization Study, WBA, July 1998

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

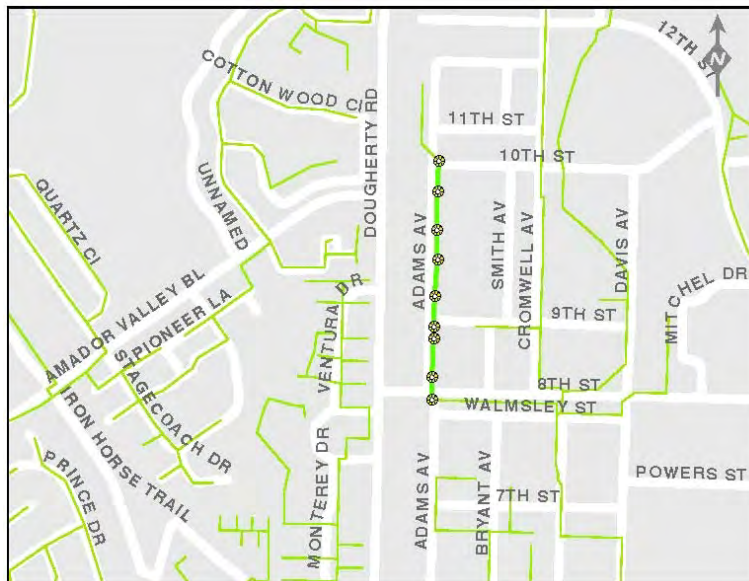
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
36,063	0	0	469,740	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$505,803

Current Adopted Budget \$505,803

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. T16-50 Iron Horse Trail Sewer Replacement

Funding Allocation: 100% 210

Project Manager:

Status: Future Project

Project Summary:

The project will replace approximately 1650 feet of 8-inch and 10-inch of polyvinyl chloride pipe (PVC) and vitrified clay pipe (VCP) sewer located just north of the Alameda/Contra Costa County line that cross the Iron Horse Trail and the adjacent creek. The project will also add manholes; at this time, the manhole spacing makes TV inspection and cleaning problematic. The sags in the pipe make it impossible to TV to determine its condition and requires cleaning on frequent basis (3-month trouble spot). The project will replace the sewer and additional sewers upstream as needed to prevent the potential of sanitary sewer overflow (SSO) incidents.

CEQA: Statutory Exemption [CEQA Guideline 15282]

Reference: District internal inspections, CMMS data; Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

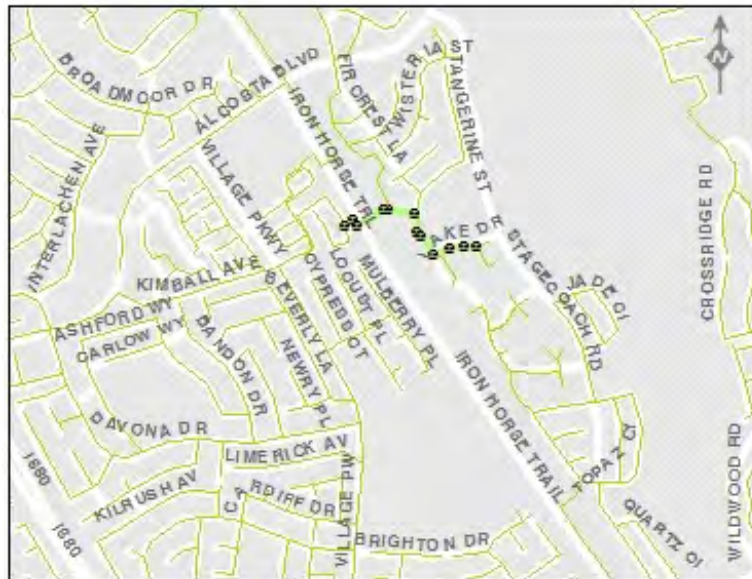
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	487,764	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$487,764

Current Adopted Budget \$0

Increase/(Decrease) \$487,764



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Replacement (Fund 210)

CIP No. 08-2101 Donahue Dr./Vomac Rd. Relief Sewer

Funding Allocation: 100% 210

Project Manager:

Status: Future Project

Project Summary:

This project will upsize 2,400 feet of 8 inch to 12 inch gravity main starting on Vomac Road, continuing east to Ironwood Drive. There are 3 sub-basins that lead to the Donahue/Vomac area. One or all of these sub-basins are contributing to unusually high infiltration and inflow rate. The 8-inch gravity main in Donohue Drive between Gardella Drive and Hillrose Drive will be blocked to prevent splitting flow from the gravity main in Hillrose Drive to the gravity main in Donohue Drive. This blockage would prevent an extension of the required improvement project further to the southeast, which is located in easement area.

CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: 2019 Wastewater Collection System Master Plan Update

Fund Allocation Basis: Project is required to replace or rehabilitate existing local wastewater fund assets.

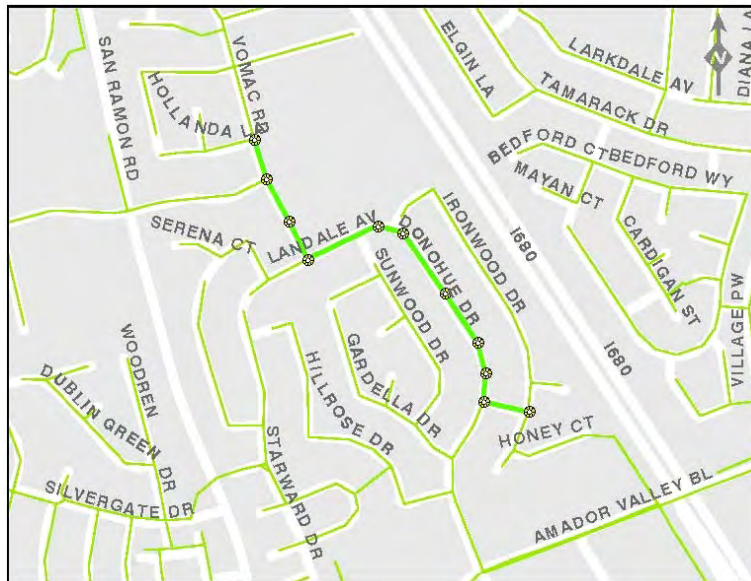
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
71,445	0	0	0	410,000	1,000,000	0	0	0	0	0	0

Total Estimated Project Cost **\$1,481,445**

Current Adopted Budget \$696,833

Increase/(Decrease) \$784,612



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: WASTEWATER COLLECTION

Local Wastewater Expansion (Fund 220)

CIP No. T00-76 Dublin Trunk Relief Sewer

Funding Allocation: 100% 220

Project Manager:

Status: Future Project

Project Summary:

The project will construct a relief sewer for the Dublin trunk sewer downstream of the east Dublin trunk sewer connection located within the District's Dedicated Land Disposal site to an existing 48-inch sewer line within the WWTP, near the East Amador Lift Station. The project consists of approximately 2100 feet of a 42-inch parallel pipeline. The 2019 Wastewater Collection System Master Plan Update indicated that the Dublin Trunk sewer surcharges in a 20-year return frequency storm. This project is required to comply with the Regional Water Quality Control Board (RWQCB) design requirements and to reduce infiltration and inflow rate.

CEQA: Initial Study may be required.

Reference: 2019 Wastewater Collection System Master Plan Update.

Fund Allocation Basis: Project is required to convey future customer wastewater flows.

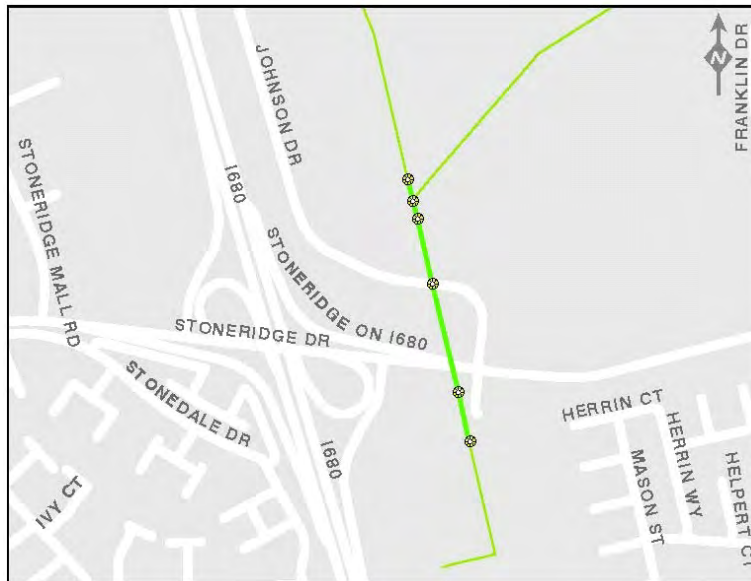
10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	0	0	0	0	6,945,000

Total Estimated Project Cost \$6,945,000

Current Adopted Budget \$0

Increase/(Decrease) \$6,945,000



CIP 10-YEAR PLAN FYEs 2020 through 2029

** Listed according to project timing from earliest to latest*

CATEGORY: REGIONAL WASTEWATER TREATMENT

CIP No.	Project Name	Page
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20-P009	Holding Basin 1, 2, 3 & 4 Re-Sealing	120
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20-P012	RWTF Security Improvements	122
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13-S004	Pump Stations VFD Replacements	124
16-P024	RWTF Fire Alarm System Upgrades	125
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16-P031	RWTF Administration Building Improvements	128
17-P004	Primary Sedimentation Expansion and Improvements	129
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20-P006	Recoating of Digester Interior Covers 3, 2, and 1	136
20-P007	FSL MCC Improvements	137
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<u>Future Projects</u>		
20-P010	Cogeneration Engine #4	140
T20-09	WWTP Administration Building (Building A) Remodel/Renovation	141
T20-10	Mezzanine in Electrical Shop	142
T20-14	WWTP/Biosolids Master Plan	143
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CIP 10-YEAR PLAN FYEs 2020 through 2029

** Listed according to project timing from earliest to latest*

CATEGORY: REGIONAL WASTEWATER TREATMENT

CIP No.	Project Name	Page
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18-P017	Public Outreach Signage at RWTF	150
T16-01	Hypochlorite Building Rehabilitation	151
19-P003	RWTF Fencing and Security - Phase 2	152
T16-11	WWTP Motor Control Center and Distribution Panel "A" Improvements	153
T16-40	RWTF Pavement Repair	154
T16-54	Odor Reduction Tower Replacement	155
T18-15	Cogeneration Engine Replacement	156
T10-62	Emergency Power for Distribution Panel-D	157
T10-83	Cover Primary Clarifiers	158
T12-08	Cover Settled Sewage Channel and Selector	159
T16-42	Nutrient Removal	160

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 19-P001 FSL #6 & #7 Anchors Replacement

Funding Allocation: 100% 310

Project Manager: Robyn Mutobe

Status: Continuing Project

Project Summary:

Operations requested a capital project to install 70 anchors total (spaced at 20 ft. between each anchor) on the the north and south ends of FSL #6 and east and west ends of FSL #7 . Currently, there is no permanently installed anchorage system for dredging at FSL #6 or #7, and previous attempts for using gravity anchors failed. The anchors would provide a counter-weight and connection point for the dredge cabling during biosolids dredging and harvesting activities.

CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: Maintenance request.

Fund Allocation Basis: All work shall be done at the WWTP for an existing facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
175,000	220,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$395,000

Current Adopted Budget \$175,000

Increase/(Decrease) \$220,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 20-P009 Holding Basin 1, 2, 3 & 4 Re-Sealing

Funding Allocation: 100% 310

Project Manager: Jackie Yee

Status: New Project

Project Summary:

The project will re-seal the concrete joints and cracks for Holding Basins No. 1, 2, 3 and 4. Typical products may include SIKA joint sealing systems. Re-sealing of the joints and/or cracks should be performed every 10 years.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: N/A

Fund Allocation Basis: All work shall be done at the WWTP for an existing facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	422,500	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$422,500

Current Adopted Budget \$0

Increase/(Decrease) \$422,500

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 20-P011 Building "S" Piping Replacement

Funding Allocation: 100% 310

Project Manager: Dan Lopez

Status: New Project

Project Summary:

This project will replace all iron piping in Building "S" (WWTP). The iron piping was installed to serve toilet flushing and hose bibs that were initially intended to use recycled water. The pipe has become severely corroded and is leaking, causing damage to the building.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: To be determined.

Fund Allocation Basis: All work shall be done at the WWTP for an existing facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	150,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$150,000

Current Adopted Budget \$0

Increase/(Decrease) \$150,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 20-P012 RWTF Security Improvements

Funding Allocation: 100% 310

Project Manager: Dan Lopez

Status: New Project

Project Summary:

Security at the Regional Wastewater Treatment Plant is a high priority for the District. Over the next two years, this project will address vehicular traffic control, video surveillance, physical hardware related to plant security, and provide updated programming in the District's existing Lenel Security monitoring system.

Vehicular traffic control will include security improvements to the main access gate, and provide better control of vehicle movement once in the treatment plant area. Video surveillance will include improvements and reassignment to the 25 cameras currently in use, including the installation of multi-imager cameras that will improve the amount of plant video coverage. Hardware improvements will secure the security control panels and install tamper switches to monitor and prevent unauthorized access. In addition, all mechanical doors will be evaluated and those that cannot be secured or monitored in a reliable way will be replaced. Once all improvements are in place programming changes will be made to the existing Lenel security system program, integrating the improvements listed above.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: TEECOM Study (2019)

Fund Allocation Basis: All work shall be done at the WWTP on existing facilities.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	216,000	242,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$458,000

Current Adopted Budget \$0

Increase/(Decrease) \$458,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 12-P003 RAS Line Rehabilitation

Funding Allocation: 100% 310

Project Manager: Jackie Yee

Status: Closing Project

Project Summary:

This project will reline approximately 550 feet of 24-inch steel pipeline that convey the wastewater treatment plant return activated sludge (RAS). The RAS system is an integral part of the treatment process and the plant cannot risk failure of the system. The 24-inch RAS line was inspected during a repair of the line and was found to be in poor shape with multiple leaks due to coating holidays and corrosion. The structural integrity of the pipe is fair and lining the pipe will extend its life.

CEQA: Categorical Exemption [CEQA 15302].

Reference: Inspection results.

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
653,082	0	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$653,082

Current Adopted Budget \$744,136

Increase/(Decrease) (\$91,054)



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 13-S004 Pump Stations VFD Replacements

Funding Allocation: 100% 310

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

The project will replace 11 Robicon brand variable frequency drives (VFD) which are used to control pump speed and flow at District facilities. The existing VFDs are currently functioning; however, Robicon went out of business several years ago and no other company picked up support of their product line. Replacement parts cannot be found and there is no technical support. Some of the pumps that are using these VFDs are very important and the District cannot have them out of service. The most important pumps that have these VFDs are the influent pumps and the effluent pumps.

CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
785,477	200,000	545,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,530,477**

Current Adopted Budget **\$1,530,477**

Increase/(Decrease) **\$0**



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 16-P024 RWTF Fire Alarm System Upgrades

Funding Allocation: 100% 310

Project Manager: Dan Lopez

Status: Continuing Project

Project Summary:

The Regional Wastewater Treatment Facility (RWTF) currently has four different fire alarm controls panels (FACP) on two separate systems. Two of the FACPs are obsolete and the other two are crude remotes to the primary systems at Building A and Building R. There are separate dialers with two phone lines (primary and backup) for each system. This configuration complicates the maintenance and testing of the systems. This project will integrate the entire system into a single FACP that could be easily networked and expanded as needed. Some of the existing infrastructure (i.e. smoke detectors, strobes, pull stations, etc.) will be utilized to the extent possible which should reduce cost and labor. The upgrade will also include other items such as adding fire alarm notification devices to the first and second floors of Building A, tying in flow switch (at riser) to FACP, panel programming, and fire alarm drawings that will improve staff's ability to maintain and repair the system.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference: Staff recommendation.

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
54,150	150,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$204,150

Current Adopted Budget \$204,150

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. 16-P028 Bio-Gas Treatment System Improvements

Funding Allocation: 67% 320 33% 310

Project Manager: Dan Lopez

Status: Continuing Project

Project Summary:

The existing biogas scrubber cleans and pressurizes biogas prior to being sent to the cogeneration engines. Clean biogas improves engine efficiency and assists in meeting BAAQMD regulations at cogen. When the new digester, primaries, and fats, oils and grease (FOG) station are put into operation, additional solids will be collected for digestion. The additional solids will increase biogas production. At this time, the biogas scrubber is working at capacity. Additional gas will need to be cleaned prior to sending it to cogen. This project will evaluate the existing biogas scrubber and make recommendations to improve the existing scrubber or replace it.

CEQA: Categorical Exemption [CEQA Guideline 15303].

Reference: 2017 WWTP and Biosolids Master Plan

Fund Allocation Basis: Based on 140 scfm current gas flow vs 430 scfm new gas flow after improvements

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
642,451	403,316	2,785,000	200,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$4,030,767

Current Adopted Budget \$4,030,767

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 16-P0300 EPS1 and EPS2 Pump Modifications

Funding Allocation: 100% 310

Project Manager: Shawn Quinlan

Status: Continuing Project

Project Summary:

This project will modify three effluent pump station #1 (EPS1) pumps and two effluent pump station # 2 (EPS2) pumps to maintain full pumping capacity in wet weather conditons. The effluent pump bushings require modifications to flush out sediment and plastics. Three of the pumps have seized up and had to be pulled out and repaired. This project will modify the bushings of the remaining pumps.

CEQA: Categorical Exemption [CEQA Guideline 15302 and 15301].

Reference: Staff recommendation.

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
109,419	70,290	70,291	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$250,000

Current Adopted Budget \$250,000

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 16-P031 RWTF Administration Building Improvements

Funding Allocation: 100% 310

Project Manager: Jackie Yee

Status: Continuing Project

Project Summary:

This project will complete several improvements to the Regional Wastewater Treatment Facility (RWTF) Administration building. Completed work to date includes the installation of security card readers, repair of a sagging floor section, replacement of the carpet on the main floor, and replacement of vinyl tile in the lab. The project will also repair the leaking roof.

CEQA:

Reference: Staff recommendation.

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
259,997	75,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$334,997**

Current Adopted Budget \$334,997

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. 17-P004 Primary Sedimentation Expansion and Improvements

Funding Allocation: 85% 320 15% 310

Project Manager: Jackie Yee

Status: Continuing Project

Project Summary:

This project will construct one new primary sedimentation tank and partially demolish and replace one of the existing primary sedimentation tanks at the Regional Wastewater Treatment Facility (RWTF). The project will also add an additional grit tank, replace internal mechanisms in the three remaining primary sedimentation tanks, and replace the motor control center. The primary treatment capacity is undersized for the facility's current average dry weather flow. Insufficient primary treatment capacity overburdens the aeration basins and secondary clarifiers leading to higher energy costs and more difficulties in controlling the secondary effluent water quality. The additional primary sedimentation tank will provide the treatment capacity needed for current and buildout flows.

CEQA: Initial Study/Mitigated Negative Declaration

Reference: 2017 WWTP and Biosolids Master Plan

Fund Allocation Basis: Based on ratio of WWTP flow at which project was estimated to be required to WWTP buildout flow.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
2,235,411	7,414,589	5,750,000	3,600,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$19,000,000

Current Adopted Budget \$19,000,000

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P008 RWTF Industrial Control Network Security Essentials

Funding Allocation: 52% 310 37% 610 11% 210

Project Manager: Aomar Bahloul

Status: Continuing Project

Project Summary:

This project will improve the network infrastructure to bring the Regional Wastewater Treatment Facility (RWTF) network up to current standards as a tighter security schema will be implemented. Much of the current industrial control switching is legacy equipment handed down from the business network or is consumer grade rather than industrial. Much of the equipment is past end-of-life and no longer supported by vendor or the manufacturer. This project will improve network security and standardize network switching to Cisco 4000i (like Field SCADA) and 3850's to allow for more security. Additional security allows for more wireless connections to provide denser connectivity from mobile devices.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: Staff Recommendations.

Fund Allocation Basis: Project will benefit entire SCADA network including treatment plant and field operations facilities.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
117,984	232,016	50,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$400,000

Current Adopted Budget \$400,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P012 Inner Sewer Wetwell and Pumping Assessment

Funding Allocation: 100% 310

Project Manager: Dan Lopez

Status: Continuing Project

Project Summary:

This project will assess the current inner sewer wetwell and pumping system. This system is integral to the wastewater treatment plant process as it pumps intersewer water around the influent pumps and metering system. This pump around is necessary for accurate metering of plant influent flows. However, this system is problematic and the pumps have a short service life due to conditions. This project will assess the equipment and wetwell to determine if the equipment is sized properly or perhaps determine that there is a better way to satisfy the goal for accurate influent metering. This project is for evaluation only, additional funding may be needed based on recommendations from the report.

CEQA:

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
26,778	48,222	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$75,000

Current Adopted Budget \$75,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P010 Biogas Flare Improvements

Funding Allocation: 100% 310

Project Manager: Dan Lopez

Status: New Project

Project Summary:

This project will replace the Regional Wastewater Treatment Facility's existing biogas flare. Typically, all biogas is used to power the cogen engines after the gas is scrubbed. If the gas scrubber is out of service, or if cogen is offline, biogas must be vented to prevent overpressurization of the digesters. The flare cleanly burns the biogas under a BAAQMD permit. This project will evaluate and replace the existing flare. Additional permitting may be required through the BAAQMD.

CEQA: Categorical Exemption [CEQA Guideline 15301 and 15302].

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
150,000	150,000	1,200,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$1,500,000

Current Adopted Budget \$625,000

Increase/(Decrease) \$875,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 05-3206 WWTP SCADA Improvements

Funding Allocation: 100% 310

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

This project will upgrade the WWTP Supervisory Control and Data Acquisition (SCADA) communication network, replace and program the programmable logic controllers (PLCs), replace the servers, install a new database repository for historical data and acquire a web portal to view SCADA data over the District's business network. The WWTP SCADA servers communicate with the plant PLCs through ARCNET, a legacy control system for which parts are no longer available and soon will no longer be supported. This project will convert the ARCNET system to an industry standard ethernet system. This project will also replace the PLCs with ethernet compatible water/wastewater industry standard PLCs. This project will involve complex construction sequencing to allow for parallel SCADA systems during implementation as the plant processes cannot be interrupted. It will also require thorough testing of the PLC programming and communication system to assure reliable plant operation after cut-over to the new system.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference: SCADA System Master Plan, March 2010

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
703,305	905,500	1,355,500	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$2,964,305**

Current Adopted Budget **\$2,964,305**

Increase/(Decrease) **\$0**



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P002 WWTP Electrical System Master Plan

Funding Allocation: 100% 310

Project Manager: Maurice Atendido

Status: New Project

Project Summary:

The last Electrical Master Plan was completed in 2004. This master plan will review the WWTP electrical system and determine the required improvements to support current electrical demands as well as the future electrical demands of WWTP processes planned in the 2017 WWTP and Biosolids Master Plan.

CEQA: Not a project under CEQA [CEQA Guideline 15378].

Reference: 2004 Electrical Master Plan Update

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	750,000	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$750,000

Current Adopted Budget \$750,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 15-P018 Foul Air Line Rehabilitation

Funding Allocation: 100% 310

Project Manager: Rudy Portugal

Status: Continuing Project

Project Summary:

This project will rehabilitate the foul air line which conveys odorous air from the bar screen building to the biofilter. The foul air is constructed of corrugated plastic line pipeline and the joints have weakened. The foul air has been leaking through the existing pavement and holding basin #2 causing cracking and base failure in the pavement. The foul air line will be assessed for repairs. The rehabilitation will include the reconstruction of the center manhole that is currently inaccessible and making it accessible for future repairs and maintenance. The sealed air line will stop pavement damage, provide more efficient treatment through the biofilter, and decrease foul air escaping into the atmosphere that is sometimes noticed by pedestrians on the nearby trail.

CEQA: Categorical Exemption [CEQA Guideline 153012].

Reference: Operations staff recommendation.

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
2,110,000	50,000	0	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$2,160,000

Current Adopted Budget \$2,160,000

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 20-P006 Recoating of Digester Interior Covers 3, 2, and 1

Funding Allocation: 100% 310

Project Manager: Rudy Portugal

Status: New Project

Project Summary:

The life expectancy of a digester steel cover is ten years. This project will repair and coat the interior covers of the digesters, if needed, to extend their useful life. While the digesters are drained for cleaning, the interior covers will be inspected. After the condition of each interior cover is determined, necessary work will be performed. Digester 1 was last cleaned in 2012 and Digesters 2 and 3 in 2013.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	79,000	79,000	132,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$290,000

Current Adopted Budget \$0

Increase/(Decrease) \$290,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 20-P007 FSL MCC Improvements

Funding Allocation: 100% 310

Project Manager: Dan Lopez

Status: New Project

Project Summary:

The motor control center (MCC) at the facultative sludge lagoons (FSL) is over 30 years old and replacement parts (i.e. starters, circuit breakers, protective devices, power monitoring equipment, etc.) will require modifications to existing MCC buckets because exact replacements are no longer readily available. This is a critical MCC since it is a single point of failure for power and controls for the FSL mixers and valves.

CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	65,550	99,900	0	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$165,450

Current Adopted Budget \$0

Increase/(Decrease) \$165,450



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 00-3120 Energy Management PROGRAM

Funding Allocation: 75% 310 25% 610

Project Manager: Steven Delight

Status: Continuing Program

Project Summary:

Over the next 10 years, energy management is going to be a significant issue for wastewater and recycled water treatment. This project will fund participation in local and regional efforts regarding alternative energy, evaluating existing systems, studying and evaluating technologies and making minor improvements to existing systems. Examples of potential projects include: evaluating most efficient digester gas usage in the cogeneration system; partnering with other agencies in offsite solar power; assessing value of digester gas storage; experimenting with low energy lighting; and an Energy Management Master Plan.

CEQA: To be determined based on individual projects funded by program.

Reference:

Fund Allocation Basis: Based on ratio of energy used at treatment plant vs. water facilities.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	75,000	75,000	250,000	250,000	350,000	0	0	0	0	0	0

Total Estimated Project Cost \$1,000,000

Current Adopted Budget \$0

Increase/(Decrease) \$1,000,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 00-P026 RWTF Replacement and Rehabilitation PROGRAM

Funding Allocation: 100% 310

Project Manager: Steven Delight

Status: Continuing Program

Project Summary:

This program will fund projects to upgrade, replace and improve facilities and equipment within the Regional Wastewater Treatment Facility (RWTF) to meet operational and permit requirements. Some equipment is now more than 30 years old. This program provides for the renewal, replacement and/or increase in capacity of process equipment on an as-needed basis or the upgrade of equipment as it becomes obsolete. This program may also be used to investigate issues that lead to the identification of projects that require the creation of a specific CIP project. Increases in future years' estimated cashflow reflect anticipated Asset Management Program needs as plant infrastructure ages.

CEQA: To be determined based on individual projects funded by program.

Reference: Staff recommendation

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	500,000	500,000	500,000	1,000,000	1,500,000	2,000,000	2,000,000	2,500,000	3,000,000	3,500,000	15,000,000

Total Estimated Project Cost **\$32,000,000**

Current Adopted Budget \$0

Increase/(Decrease) \$32,000,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 20-P010 Cogeneration Engine #4

Funding Allocation: 100% 310

Project Manager: Rudy Portugal

Status: Future Project

Project Summary:

This project will integrate a fourth cogeneration unit at the WWTP. The project includes consultant time to prepare appropriate CEQA documentation, work with both the Bay Area Air Quality Management District (BAAQMD) for permitting, and PG&E to modify the existing interconnect agreement. The engine, which has already been purchased, will not be located in the cogeneration building with the other three units, but rather where the fuel cell was previously located. The project will include the construction of a small enclosure, for noise control, and the purchase of engine controls and other miscellaneous parts for integration. This project will improve reliability of the cogeneration system and minimize peak demand charges.

CEQA: Possible Mitigated Negative Declaration

Reference: To be determined.

Fund Allocation Basis: All work shall be done at the WWTP for an existing facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	470,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$470,000

Current Adopted Budget \$0

Increase/(Decrease) \$470,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T20-09 WWTP Administration Building (Building A) Remodel/Renovation

Funding Allocation: 100% 310

Project Manager:

Status: Future Project

Project Summary:

This project proposes to engage design professionals for preliminary planning and design of renovations for the WWTP Administration Building (A). A preliminary design study will commence in calendar year 2022. It is anticipated that construction and permitting costs will be presented following scoping and detailed design.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: Previous resealing was in 2009 and 2010.

Fund Allocation Basis: All work shall be done at the WWTP for an existing facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	100,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$100,000

Current Adopted Budget \$0

Increase/(Decrease) \$100,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T20-10 Mezzanine in Electrical Shop

Funding Allocation: 100% 310

Project Manager:

Status: Future Project

Project Summary:

This project would add a 540 sq. ft. mezzanine to the Electrical Shop in Building S at the WWTP. Preliminary planning and engagement of a structural engineering and possibly an architectural design consultant is needed to scope the project before more detailed design and construction can be developed.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: N/A

Fund Allocation Basis: All work shall be done at the WWTP for an existing facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	50,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$50,000

Current Adopted Budget \$0

Increase/(Decrease) \$50,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T20-14 WWTP/Biosolids Master Plan

Funding Allocation: 85% 320 15% 310

Project Manager:

Status: Future Project

Project Summary:

The last complete WWTP Master Plan was completed in 2017. The current average dry weather flow (ADWF) to the WWTP is approximately 11 MGD. This Master Plan will: review upcoming nutrient limits to the San Francisco Bay; evaluate current and projected future wastewater flows and strength; determine when additional facilities are required due to hydraulic or treatment limitations; evaluate options for biosolids dewatering and disposal; evaluate current technologies to meet treatment requirements; develop costs estimates; and support a capacity reserve fee study.

CEQA:

Reference:

Fund Allocation Basis: Fund split based on ADWF that initiates project vs. buildout flowrate

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	850,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$850,000

Current Adopted Budget \$0

Increase/(Decrease) \$850,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T20-15 Flocculation Baffles in Secondary Clarifiers

Funding Allocation: 100% 310

Project Manager:

Status: Future Project

Project Summary:

This project will perform computational fluid dynamics (CFD) analysis of the District's secondary clarifiers and provide design of the necessary modifications for secondary clarifier #2. Field testing conducted in August 2018 indicated that secondary clarifiers perform well, but the flocculation center wells (FCWs) are too large and not fully utilized at normal and low flow conditions. The under utilization leads to suboptimal performance and may represent a potential problem when the District adopts a full nutrients removal scheme in the future. Testing indicated that secondary clarifiers suffer from hydraulic short-circuiting and performance could be improved by adding simple modifications, such as flocculation baffles. Improving the secondary clarifier performance will reduce effluent suspended solids concentrations, solids loading on the ACTIVFLO process, and chemical usage. CFD analysis will be utilized to determine the most cost effective modifications and conceptual design of the flocculation baffles. The current budget is for design services only.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference:

Fund Allocation Basis: All work shall be done at the WWTP for an existing facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	80,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$80,000

Current Adopted Budget \$0

Increase/(Decrease) \$80,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P011 Chlorinated Secondary Effluent Process Water System Condition Assessment

Funding Allocation: 100% 310

Project Manager: Aaron Johnson

Status: Future Project

Project Summary:

This project will assess the condition of the existing chlorinated secondary effluent process water (3 Water or 3W) system at the wastewater treatment plant. The current 3W system is the backbone for plant operations. 3W is treated process water used for spray water, pump seal water, and cooling water for cogen. When 3W system goes down, the overall plant process is compromised. Although the 3W system is currently backed up with recycled water (4 Water or 4W) system, 4W relies on the same piping as 3W, meaning the backup is only for pump failure and not for a major leak. This evaluation will look at the pumps as well as the existing piping. The project will also evaluate other critical pipelines within the boundaries of the plant. Recommendations may be to replace sections of 3W or potentially to connect a backup water supply to key processes. This project is for evaluation only, additional funding will be needed based on recommendations.

CEQA: Not a project under CEQA [CEQA Guideline 15378].

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	75,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$75,000

Current Adopted Budget \$75,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 14-P005 Wet Weather Flow Capacity and Chlorine Contact Tank Dewatering

Funding Allocation: 85% 310 15% 320

Project Manager: Steven Delight

Status: Future Project

Project Summary:

This project will remove a divider wall between the chlorine contact tank (CCT) influent channel and the CCT and remove the weir in the chlorine junction box to allow greater flows through these structures. The project will also add a CCT dewatering system. When the wastewater treatment plant flow is greater than 37 mgd, the secondary clarifiers flood due to hydraulic constraints downstream of the clarifiers. Removal of the walls and weirs will allow for greater flows through the wastewater treatment plant. Also, the chlorine contact tank should ideally be cleaned once every quarter. Dewatering the CCT for cleaning involves extensive pumping equipment setup and staff time, and once everything is set up, it takes time to pump out the water. This project will design necessary pumping valving and controls for a CCT dewatering system.

CEQA: Mitigated Negative Declaration approved by Board on 8/17/1999

Reference: Secondary Effluent Wet Weather Capacity Review, RMC, August 2014; 2017 WWTP and Biosolids Master Plan.

Fund Allocation Basis: Based on current vs projected buildout average dry weather flow at the time of project inception.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
57,381	0	0	450,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$507,381

Current Adopted Budget \$507,381

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. 18-P013 Biosolids Dewatering Facility

Funding Allocation: 100% 320

Project Manager: Jason Ching

Status: Future Project

Project Summary:

The water content of the biosolids harvested from District's facultative sludge lagoons (FSLs) limits the amount of biosolids that can be placed on the dedicated land disposal (DLD) site. With this limitation, the FSLs are slowly accumulating biosolids. The current land application of biosolids on the DLD is by far the most cost-effective solution for biosolids management. To continue using the DLD for biosolids disposal, the biosolids need to be dewatered. This project will construct a new biosolids dewatering facilities and building at the DLD site. The dewatering of biosolids will allow the DLD to continue to be the primary method of sludge disposal. Should the District wish to diversify biosolid management or take advantage of new technologies to recover biosolids as a resource, dewatering will be required. Therefore, dewatering is a near term solution for biosolids disposal that will also move the District toward diversifying its biosolids management in the long term. This project is required for both options of continuing with DLD disposal or participation in a regional biosolids facility.

CEQA: To be determined.

Reference: 2017 Wastewater Treatment Plant and Biosolids Master Plan

Fund Allocation Basis: Project is required to meet the needs for biosolids disposal for future customers.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	300,000	2,225,000	12,120,000	0	0	0	0	0	11,900,000

Total Estimated Project Cost \$26,545,000

Current Adopted Budget \$16,095,000

Increase/(Decrease) \$10,450,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P014 WWTP Recycled and Potable Water Systems

Funding Allocation: 100% 310

Project Manager: Jackie Yee

Status: Future Project

Project Summary:

This project will expand the use of recycled water for plant processes. The current fire main supplies both the potable and fire water systems. This project will install approximately 550 feet of 3-inch above ground and 350 feet of 3-inch below ground recycled water pipe to the cogeneration building, blower building, plant air compressors, bar screens, 1250kW and 750 kW generators, and buildings S and T. The first phase of the project, installing 500 feet of 2-inch potable water lines to Building A, D, S, T, and fleet maintenance building, has been completed.

CEQA: Categorical Exemption [CEQA Guideline 15303].

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
60,000	0	0	200,000	124,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$384,000

Current Adopted Budget \$384,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P016 Alum Addition

Funding Allocation: 75% 310 25% 320

Project Manager: Dan Lopez

Status: Future Project

Project Summary:

This project will construct facilities to add alum to the facultative sludge lagoon return water. The addition of alum will precipitate phosphate from the return water and reduce the formation of struvite. Currently, one of the strategies to avoid the formation of struvite at the wastewater treatment plant (WWTP) is to run the WWTP in a mode where the phosphate remains in the liquid process and exits the WWTP with the effluent, rather than remaining in the biosolids and forming struvite in the digesters. However, this mode of operation is not as effective in producing a consistently high quality effluent. The addition of alum will allow the WWTP to operate in an alternate mode that will produce a better settling sludge and higher quality effluent, thus eliminating the need for an additional clarifier.

CEQA: Categorical Exemption [CEQA Guideline 15303]

Reference: To be determined

Fund Allocation Basis: Project is required to improve current operations; based on current vs. projected buildout average dry weather flow at the time of project inception.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	300,000	500,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$800,000

Current Adopted Budget \$800,000

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 18-P017 Public Outreach Signage at RWTF

Funding Allocation: 100% 310

Project Manager: Sue Stephenson

Status: Future Project

Project Summary:

Facility tours are one way the District communicates the value we provide the community 24/7. Engaging with our customers in an on-going, direct, proactive way builds confidence in the District as a reliable, trustworthy service provider and increases our customers' understanding of what they get for their money. Tours also promote careers in the water/wastewater industry. This project will purchase and install signs at the Regional Wastewater Treatment Facility (RWTF) to help facilitate the tours that are given on a regular basis.

CEQA:

Reference:

Fund Allocation Basis: Project will benefit existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	100,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost **\$100,000**

Current Adopted Budget \$100,000

Increase/(Decrease) \$0

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T16-01 Hypochlorite Building Rehabilitation

Funding Allocation: 100% 310

Project Manager: Jackie Yee

Status: Future Project

Project Summary:

The four sodium hypochlorite bulk storage tanks at the wastewater treatment plant were replaced during the summer of 2014. During the tank replacement, a visual analysis of the existing pads and building were reviewed by a structural engineer. The coating at the perimeter of the existing tank pads and coating on the tank room slab have failed in areas where the old storage tanks had leaked. The coating in the pump room had failed completely due to chemical exposure. This project will address those findings and correct the problems. Concrete samples will be taken and tested for chloride ion concentration. Concrete repair will be undertaken before reinforcing steel capacity is compromised. Alternatives to arrest any ongoing corrosion will also be investigated and implemented. Concrete coating will be applied over the concrete repairs and corroded pipe; pump supports in the pump room will be replaced; and the wall to slab, wall-to-wall connection and roof beams will also be strengthened to update the building to current seismic standards. The project will also install a fifth storage tank to provide additional storage and make use of an existing pad and infrastructure already in place.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference: Hypochlorite Storage Building Condition and Seismic Assessment, Carollo Engineers, October 2014.

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	340,000	0	0	0	0	0	0	0	0

Total Estimated Project Cost \$340,000

Current Adopted Budget \$0

Increase/(Decrease) \$340,000

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. 19-P003 RWTF Fencing and Security - Phase 2

Funding Allocation: 100% 310

Project Manager: Rudy Portugal

Status: Future Project

Project Summary:

This project will improve security along the Regional Wastewater Treatment Facility (RWTF) perimeter. This project will install 8-feet tall vinyl coated fence along the south, west and north of the facility. It will also include screening landscaping where space permits. Phase 1 replaced the fencing along the eastern perimeter from the Administration building to the southeast corner of the RWTF. That phase also included landscaping for screening of the RWTF from the adjacent Val Vista Park.

CEQA: Negative Declaration approved May 19, 1998.

Reference: Physical Security Risk Assessment, Pinkerton Consulting, April 2004.

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
143,000	0	0	0	1,067,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$1,210,000

Current Adopted Budget \$1,210,000

Increase/(Decrease) \$0



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T16-11 WWTP Motor Control Center and Distribution Panel "A" Improvements

Funding Allocation: 100% 310

Project Manager:

Status: Future Project

Project Summary:

This project will upgrade WWTP Motor Control Centers (MCCs) MCC-E and Electrical Distribution Panel A (DPA) to a standard 65,000 Ampere Interrupting Capacity (AIC) rating. Based on the most recent short circuit analysis, ten MCCs and DPA either do not have adequate short circuit equipment AIC ratings to either handle possible fault scenarios or to handle future expansions. The upgrade will also require modifications to existing MCC buckets as the MCC's are 20+ years old and exact replacement parts (i.e. starters, circuit breakers, etc.) are no longer readily available.

CEQA: Categorical Exemption [CEQA Guideline 15301, 15302].

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	203,550	471,750	471,750	0	0	0	0	0	0

Total Estimated Project Cost \$1,147,050

Current Adopted Budget \$0

Increase/(Decrease) \$1,147,050

DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T16-40 RWTF Pavement Repair

Funding Allocation: 100% 310

Project Manager:

Status: Future Project

Project Summary:

This project will repair and seal coat pavement at the Regional Wastewater Treatment Facility (RWTF). The facility's pavement is subject to vehicles with heavy loads. This work is required periodically to maintain the integrity of the pavement.

CEQA: Categorical Exemption [CEQA Guideline 15301].

Reference:

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	325,000	0	0	0	0	0	0	0

Total Estimated Project Cost \$325,000

Current Adopted Budget \$0

Increase/(Decrease) \$325,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T16-54 Odor Reduction Tower Replacement

Funding Allocation: 100% 310

Project Manager:

Status: Future Project

Project Summary:

This project will either rehabilitate or replace the Odor Reduction Tower (ORT). The ORT treats odorous air from the WWTP influent pump room, aerated grits tanks, and the grit building. Although the ORT effectively treats hydrogen sulfide, it does not effectively treat reduced sulfur compounds. This project will help the District meet the WWTP odor control goals and support the District's "good neighbor" policy to minimize odor impacts to the surrounding community.

CEQA: Categorical Exemption [CEQA Guideline 15302]

Reference: 2008 Update to Odor Control Focus Areas Analysis, CH2M Hill, July 2009

Fund Allocation Basis: All work shall be done at the WWTP for an existing facility.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	1,936,000	0	0	0	0	0	0	0

Total Estimated Project Cost **\$1,936,000**

Current Adopted Budget \$0

Increase/(Decrease) \$1,936,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T18-15 Cogeneration Engine Replacement

Funding Allocation: 100% 310

Project Manager:

Status: Future Project

Project Summary:

The Asset Management Program has identified many items on the cogeneration system that are in need of replacement. The option for a full replacement of the engines and ancillary equipment compared to the cost of replacement items for the engines need to be considered. One of the engines is in excess of 50 years old based on the block casting numbers.

CEQA: Categorical Exemption [CEQA Guideline 15302].

Reference: Asset Management Program

Fund Allocation Basis: Project is required to replace or rehabilitate existing regional wastewater fund assets.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	20,000	1,000,000	0	0	0	0	0	0

Total Estimated Project Cost \$1,020,000

Current Adopted Budget \$0

Increase/(Decrease) \$1,020,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T10-62 Emergency Power for Distribution Panel-D

Funding Allocation: 100% 320

Project Manager:

Status: Future Project

Project Summary:

This project will install a 900 kW emergency power generator for the Distribution Panel-D (DPD) switchgear to support continued growth of the service population and the corresponding increases in influent pumping and related WWTP equipment, such as the Bar Screens, Primary Clarifiers, etc. Panel DPD is currently provided with emergency power via the existing generator, but higher flows will require an additional generator for Panel DPD. Emergency power is also a requirement of the District's NPDES Permit. This project will be revised per the updated Electrical Master Plan, which is scheduled for completion in 2021.

CEQA: To be determined

Reference: 2004 WWTP Electrical Master Plan and dependent on findings of 2019 Electrical Master Plan Update; 2017 WWTP and Biosolids Master Plan

Fund Allocation Basis: Project is required for future customer wastewater treatment capacity.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	0	0	0	0	5,560,000

Total Estimated Project Cost \$5,560,000

Current Adopted Budget \$0

Increase/(Decrease) \$5,560,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T10-83 Cover Primary Clarifiers

Funding Allocation: 100% 320

Project Manager:

Status: Future Project

Project Summary:

This project will cover the primary clarifiers. The settled sewerage channel and the primary clarifiers have been identified in the Odor Control Master Plan as areas in the wastewater treatment plant that have odor issues. The project may cover the entire primary tanks or only the launderers. The foul air removed from the primary clarifiers will be treated in a new odor treatment facility that also serves the settled sewerage channel and other processes in the area.

CEQA: Categorical Exemption [CEQA Guideline 15303]

Reference: 2008 Update to Odor Control Focus Areas Analysis, CH2M Hill, July 2009; 2017 WWTP and Biosolids Master Plan

Fund Allocation Basis: New project is odor control associated with increasing flows into WWTP.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	0	0	0	4,694,000	0

Total Estimated Project Cost \$4,694,000

Current Adopted Budget \$0

Increase/(Decrease) \$4,694,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Expansion (Fund 320)

CIP No. T12-08 Cover Settled Sewage Channel and Selector

Funding Allocation: 100% 320

Project Manager:

Status: Future Project

Project Summary:

This project will cover the settled sewage channel and the selector. The settled sewage channel and the primary clarifiers have been identified in the Odor Control Master Plan as areas in the WWTP that have odor issues. In addition, adding the covers will allow the addition of air to the settled sewage channel, which will increase the performance of the WWTP. The foul air removed from the settled sewage channel will be treated in a new odor treatment facility that also serves the primary clarifiers and other items in the area. This project will also include replacement of the ORT with a new high performance biofilter in the current biofilter location. The new biofilter will be constructed modular and will be added when the primaries are covered.

CEQA: To be determined

Reference: 2008 Update to Odor Control Focus Areas Analysis, CH2M Hill, July 2009; 2017 WWTP and Biosolids Master Plan

Fund Allocation Basis: New project is odor control associated with increasing flows into WWTP.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	0	0	2,358,000	0	0

Total Estimated Project Cost **\$2,358,000**

Current Adopted Budget \$0

Increase/(Decrease) \$2,358,000



DSRSD CIP 10-Year Plan for FYEs 2020 through 2029

CATEGORY: REGIONAL WASTEWATER TREATMENT

Regional Wastewater Replacement (Fund 310)

CIP No. T16-42 Nutrient Removal

Funding Allocation: 80% **310** 20% **320**

Project Manager:

Status: Future Project

Project Summary:

In April 2014, the Bay Area Regional Water Quality Control Board (RWQCB) issued a San Francisco Bay Nutrients Watershed permit to municipal wastewater dischargers. The permit requires wastewater dischargers to evaluate reductions in nutrient discharges through treatment upgrades and contribute toward studies to develop a San Francisco Bay Nutrient Management Strategy. The District is working with the Bay Area Clean Water Agencies (BACWA) to address the permit requirements. If the current studies determine wastewater discharges have an adverse effect on Bay water quality, the RWQCB will impose nutrient load limits on the wastewater treatment plant effluent which will require treatment upgrades. Although future regulation or the extent of the regulation is uncertain, it is prudent that the District plan for some future treatment upgrades. This project assumes the addition of three aeration basins, a fifth secondary clarifier, and chlorination improvements to meet BACWA Level 2 effluent nutrient requirements.

CEQA: To be determined.

Reference: RWQCB's San Francisco Bay Nutrients Watershed Permit; 2017 WWTP and Biosolids Master Plan.

Fund Allocation Basis: Based on ratio of current ADWF to projected buildout ADWF at the time of project inception.

10-Year Cash Flow and Estimated Project Cost:

Prior	FYE 20	FYE 21	FYE 22	FYE 23	FYE 24	FYE 25	FYE 26	FYE 27	FYE 28	FYE 29	Future
0	0	0	0	0	0	0	0	0	0	7,380,000	35,400,000

Total Estimated Project Cost \$42,780,000

Current Adopted Budget \$0

Increase/(Decrease) \$42,780,000



TITLE: Discuss the Strategic Plan 2019 Update and Provide Direction

RECOMMENDATION:

Staff recommends the Board of Directors discuss the draft Strategic Plan (2019 Update) and direct staff to bring a final draft to the Board for adoption at the May 21, 2019 Board meeting.

SUMMARY:

The Board of Directors has approved a Strategic Plan since 2007. The Strategic Plan is a five-year planning document, describing the District's mission, its vision in the years ahead, and some key strategic goals and action items in support of the mission and vision. Concurrently, with each biennial budget process in the spring immediately following a Board election, the Board updates the Strategic Plan by adopting a new edition of the Strategic Plan.

On April 23, 2019, the Board of Directors held a special workshop meeting and reviewed a preliminary draft of the 2019 Strategic Plan Update prepared by the Leadership Team. Staff briefed the Board on the Strategic Plan, and reviewed the resources needed to accomplish the objectives of the Strategic Plan. The Board provided a number of comments and gave direction for revisions to the draft Strategic Plan.

Staff has prepared a second draft of the Strategic Plan for the Board's review. Attachment #1 to this Summary and Recommendation is a clean second draft of the Strategic Plan. Attachment 2 is a "track changes" draft of the Strategic Plan showing changes from the April 23 version.

Concurrently, with the preparation of the second draft of the Strategic Plan, staff has incorporated resource requests as part of the proposed FYE 2020/FYE 2021 capital improvement program (CIP) budget, and the proposed FYE 2020/FYE2021 operating budget. The Board is conducting its first review of the ten-year CIP plan and two-year CIP budget as a separate Board agenda item on this May 7 agenda. The operating budget will be reviewed on May 21.

Originating Department: Office of the General Manager	Contact: D. McIntyre	Legal Review: Not Required
Cost: \$0	Funding Source: N/A	
Attachments: <input type="checkbox"/> None <input type="checkbox"/> Staff Report <input 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 – 2019 Draft Strategic Plan (Clean Second Draft) Attachment 2 – 2019 Draft Strategic Plan (Marked-up Second Draft)	

DRAFT Strategic Plan – 2019 Update (Seventh Edition)

Mission:

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.

Vision:

In our operations, financial practices, and public policies we always strive to be an effective and efficient organization. Our agency is nimble and resilient in navigating the challenges of our ever-changing industry. We relentlessly pursue incremental improvement, and to be seen as a leader of industry best management practices.

Strategic Goals and Action Items

1. Maintain our financial stability and sustainability
 - Make early preventative maintenance and rehabilitation expenditures to save on greater deferred costs long-term
 - Develop long-term (10-year) financial models to guide future operating budgets and rate studies
 - Strive to constrain future utility rate increases to no more than general inflation by responsibly managing District costs
2. Make additional investment in information systems that provide a strong return on investment
 - Expand the use of our electronic records management program
 - Replace our finance and utility billing software system by 2022
 - Fully customize and implement our computerized maintenance management system (Lucity) to support our integrated Asset Management Program
3. Update our business practices and procedures
 - Update our electronic operations manuals and integrate them with our electronic records management and maintenance management systems
 - Review and revise our Joint Powers Authority and other interagency agreements to address changing conditions
 - Explore creative ideas for coordinating service delivery with our neighboring agencies

4. Develop a fully integrated Asset Management Program to guide all the District's business decisions
 - Place greater emphasis on preventative maintenance in our operations
 - Integrate capital improvement program planning and operations/maintenance activities to optimize life-cycle costs
5. To meet the challenges of staffing transitions over the next five years, enhance the leadership, professional, and technical skills of the District's staff
 - Diversify and strengthen the skills of staff through multi-agency professional development programs, through stretch assignments, and through active employee engagement
 - Develop a succession planning plan for key positions where feasible
6. Enhance our ability to respond to emergencies and maintain business continuity
 - Update our Emergency Procedures Manual
 - Create a database of emergency assets, equipment, and materials in stock
 - Conduct a District-wide Incident Command System exercise to assess District capabilities
 - Explore coordination of advanced emergency planning with the cities we serve
7. Meet the objectives of the District's water supply policy by developing and implementing an integrated recycled and potable water program
 - Obtain new recycled water sources to meet long-term demands
 - Complete a 2020 Urban Water Management Plan that creates a blueprint for improving long-term water supply reliability
 - Work collaboratively with our Tri-Valley partners in the development of a more diversified and resilient water supply
8. Develop a long-term strategy to ensure greater energy reliability for the District
 - Develop a District energy policy and District energy master plan

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DRAFT Strategic Plan – 2019 Update (Seventh Edition)

Mission:

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.

Vision:

In our operations, financial practices, and public policies we always strive to be an effective and efficient organization. Our agency is nimble and resilient in navigating the challenges of our ever-changing industry. We relentlessly pursue incremental improvement, and to be seen as a leader of industry best management practices.

Strategic Goals and Action Items

1. Maintain our financial stability and sustainability

- Make early preventative maintenance and rehabilitation expenditures to save on greater deferred costs long-term
- ~~Invest short term to minimize long-term District costs~~
- Develop long-term (10-year) financial models to guide future operating budgets and rate studies
- Strive to constrain future utility rate increases to no more than general inflation by responsibly managing District costs

2. Make additional investment in information systems that provide a strong return on investment

- Expand the use of our electronic records management program
- Replace our finance and utility billing software system by 2022
- Fully customize and implement our computerized maintenance management system (Lucity) to support our integrated Asset Management Program

3. Update our business practices and procedures

- Update our electronic operations manuals and integrate them with our electronic records management and maintenance management systems
- Work collaboratively to Review and revise our Joint Powers Authority and other interagency agreements to address changing conditions

- [Explore creative ideas for coordinating service delivery with our neighboring agencies](#)

4. Develop a fully integrated Asset Management Program to guide all the District's -business decisions

- Place greater emphasis on preventative maintenance in our operations
- Integrate [capital improvement program](#)CIP planning and operations/maintenance activities to optimize life-cycle costs

5. ~~Attract, professionally develop, and engage a highly skilled workforce to ensure a continuously high performing organization~~[To meet the challenges of staffing transitions over the next ~~five~~5 years, enhance the leadership, professional, and technical skills of the District's staff](#)

- [Diversify and strengthen the skills of staff through multi-agency professional development programs, through stretch assignments, and through -active employee engagement](#)
- [Develop a succession planning plan for key positions where feasible](#)

~~Match District staffing to business needs, reallocating resources as necessary to address new challenges and opportunities~~

6. Enhance our ability to respond to emergencies and maintain business continuity

- Update our Emergency Procedures Manual
- Create a database of emergency assets, equipment, and materials in stock
- Conduct a District-wide Incident Command System exercise to assess District capabilities
- Explore coordination [of advanced emergency planning with the cities we serve](#)~~with City of Dublin on a Joint Emergency Operations Center~~

7. Meet the objectives of the District's water supply policy by developing and implementing an integrated recycled and potable water program

- Obtain new recycled water sources to meet long-term demands
- Complete a 2020 Urban Water Management Plan that creates a blueprint for improving long-term water supply reliability
- Work collaboratively with our Tri-Valley partners in the development of a more diversified and resilient water supply

[8. Develop a long-term strategy to ensure greater energy reliability for the District](#)

- [Develop a District energy policy and District energy master plan](#)

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