RAMONA MUNICIPAL WATER DISTRICT

Regular Meeting of the Board of Directors
Ramona Community Center
434 Aqua Lane, Ramona, CA 92065
July 9, 2024
Closed Session: 5:00 P.M.
Open Session: 6:00 P.M.

Members of the public may use this link to join virtually:
https://zoom.us/j/92350802274?pwd=bElPUUMxYWw3dU5ZR0E3WjExWlpwQT09
Or by phone: 1 669 900 9128
Meeting ID: 923 5080 2274 & Meeting Passcode: 921239

AGENDA

Opening of Meeting - 5:00 P.M.

Call to Order

Roll Call Attendance

Opportunity for Members of the Public to Address the Board Regarding Closed Session Agenda Items

G. Closed Session – NOT OPEN TO THE PUBLIC

G.1. PUBLIC EMPLOYEE PERFORMANCE EVALUATION
Gov. Code section 54957, Title: General Manager

G.2. CONFERENCE WITH LABOR NEGOTIATORS
Gov. Code section 54957.6.; Agency Negotiator: President/General Counsel; Unrepresented employee: General Manager

G.3. CONFERENCE WITH LEGAL COUNSEL- ANTICIPATED LITIGATION
Significant exposure to litigation pursuant to Govt Code section 54956.9(d)(2)(1 case)
Existing facts and circumstances pursuant to Govt Code section 54956.9(e)(3)

G.4. CONFERENCE WITH LEGAL COUNSEL- ANTICIPATED LITIGATION
Initiation of litigation pursuant to Govt Code section 54956.9(d)(4)(1 case)

G.5. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Property: APN 281-424-01-00, Ramona, CA 92065
Agency Negotiators: Erica Wolski, Jennifer Lyon, Jim Hickle, Jake Zoria
Negotiating party: WOODWARD FAMILY TRUST 07-12-77
Under Negotiation: Price and terms of payment

G.6. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Property: APN 285-091-04-00, Ramona, CA 92065
Agency Negotiators: Erica Wolski, Jennifer Lyon, Jim Hickle, Jake Zoria
Negotiating party: POTTS BILLY & BONNIE FAMILY TRUST 02-22-93
Under Negotiation: Update on negotiations on price and terms of payment

A. PUBLIC SESSION - TIME CERTAIN: 6:00 P.M.

A.1. Call to Order, Pledge of Allegiance, and Roll Call Attendance

A.2. Consideration of Non-Agenda Items Which Arose Subsequent to the Posting of the Agenda

A.3. Adoption of Agenda for Meeting of July 9, 2024

A.4. Opportunity for Members of the Public to Address the Board on any Subject within its Jurisdiction but not on the Agenda

A.5. Announcements and/or Informational Reports from Board and/or Staff

A.5.a. General Manager Information Report and Staff Activity for June 2024

A.5.b. Committee Reports

A.5.b.-1 Ad Hoc Reports

Recycled Water & Potable Water Growth	*Hickle & Lawler*

A.5.b.-2 Liaison Reports

San Diego County Water Authority	*Hurst*
Ramona Design Review Board	*Zoria*
Ramona Community Planning Group	*Piva*
San Diego Fire Advisory Board	*Piva*
Leadership Council	*Piva*
Ramona Chamber of Commerce	*Piva*
San Diego Country Estates Association	*Lawler*
Ramona Unified School District Board	*Hickle*

A.5.b.-3 Committee Meeting Reports

Finance and Administration Committee
Parks and Recreation Community Advisory Committee

B. Ministerial Items

B.1. Consent Calendar
(All matters on the consent calendar are to be approved by one motion unless a Board Member requests separate action on a specific item)

B.1.a.	**Adoption of the Regular Board Meeting Minutes for June 11, 2024** Recommendation: To adopt the Minutes for June 11, 2024.	General Manager
B.1.b.	**Acceptance of Monthly Financial Reports – May 2024**	Finance

Recommendation: No staff recommendation.

B.1.c.	**Discussion and Possible Action to Adopt an Ordinance to Continue Sewer Availability Charges for Property in the San Vicente Sewer Service Area for Fiscal Year 2023-24** Recommendation: Staff respectfully recommends that the Board adopt an Ordinance to continue sewer availability charges for property in the San Vicente Sewer Service Area for fiscal year 2024-25.	Finance
B.1.d.	**Adoption of a Resolution to Collect Delinquent Water Charges by Placement on the San Diego County Property Tax Rolls** Recommendation: Staff respectfully recommends that the Board adopt a Resolution to collect delinquent water charges by placing them on the San Diego County property tax rolls.	Finance

C. Public Hearing/Bid Openings

(This space on the agenda is reserved in the event there is a public hearing or bid opening)

D. Agenda Items which Anticipate Possible Input from Members of the Public

(This space on the agenda is reserved in the event a member of the public is scheduled to address the Board)

E. Agenda Items which Anticipate Possible Input from Other Agencies/Consultants

(This space on the agenda is reserved in the event another agency/consultant is scheduled to address the Board)

F. Agenda Items which Anticipate Possible Input from Staff

F.1.	**Informational Update on Sewer Capacity at Santa Maria and San Vicente Water Reclamation Plants** Recommendation: No action requested at this time. Staff request that the Board of Directors review the information provided and provide direction to staff on the information submitted on available sewer capacity and the possibility of rerating the value of a sewer equivalent dwelling unit (EDU) and the proposed path forward.	Mike Metts and Erica Wolski
F.2.	**Authorization for the General Manager to Sign and Submit the Attached Comment Letter Regarding Proposed Changes to Main Street** Recommendation: Provide input to the General Manager on whether the Board is supportive of the two Main Street proposals so that a future comment letter can be drafted.	Erica Wolski

G. Remaining Agenda Items

G.1. Directors' Reports of Reimbursed Meetings

Pursuant to Legislative Code Section 2.08.140, members of the Board who receive reimbursement from the District for their actual and necessary expenses for attending meetings outside the District shall either prepare a written report to be submitted at the next subsequent Board meeting or make a verbal report during the next regular Board meeting. The report shall detail the information that may be of benefit to the District that was presented at the meeting.

G.2. Future Agenda Items

I. Date and Time for the Next Regular Meeting

August 13, 2024 - 6:00 p.m.

Adjourn

Ramona Municipal Water District in complying with the Americans with Disabilities Act (ADA), requests individuals who require specific accommodations to access, attend or participate in the Board Meeting, due to a disability, to please contact the Administrative Services Department at least two business days prior to the scheduled meeting to ensure that the District may assist you.
Telephone: (760) 789-1330; T.D.D.: (760) 789-9497.

NOTE: ANY ITEM APPEARING ON THIS AGENDA MAY BE DISCUSSED AND ACTION MAY BE TAKEN AT THE DISCRETION OF THE BOARD OF DIRECTORS

The Agenda was posted at least 72 hours before the meeting in a location freely accessible to the public. Additions to the Agenda may be made in accordance with Section 54954.2 of the California Government Code.

Agenda item memorandums or documents prepared for the Board of Directors are available for public review online at www.rmwd.org and at the RMWD office,105 Earlham Street, Ramona, California, during normal business hours, Monday through Thursday 7:30 a.m. to 4:00 p.m. and the agenda is also posted at the Ramona Public Library and at the entrance of the Ramona Community Center, 434 Aqua Lane, Ramona, California.

RAMONA MUNICIPAL WATER DISTRICT

To: Board of Directors

Agenda Item No. A.5.a.
Regular Board Meeting of July 9, 2024

From: Erica Wolski, General Manager

Subject: General Manager Information Report and Staff Activity for June 2024

General Manager

Wastewater Master Plan Request for Proposals (RFP): Staff worked with Dudek to finalize the Sewer EDU study that is being presented tonight so that the Acres septic-to-sewer feasibility study and the Wastewater Master Plan RFP could move forward. Staff have been meeting with consulting firms to give an overview of the needs at both plants and collection systems prior to the upcoming release of the RFP in late summer 2024.

Watereuse San Diego Chapter Meeting: RMWD and the Barona Band of Mission Indians co-presented at the June 12th Chapter meeting at the Barona Tribal office that was followed by a tour of the Barona casino's wastewater reclamation plant. The event was well attended by agencies and consultants from across the county. Two wastewater plant staff attended the meeting and tour.

Barona Project Environmental Documents: The draft Mitigated Negative Declaration (MND) for the project has been received and is under review. After review and incorporation of comments, San Diego County Water Authority, as CEQA responsible agency, would like to review prior to issuance for public review. The MND will be brought to the board for adoption later this summer.

San Diego Community Power (SDCP): SDCP reached out last week knowing that we were a "price sensitive" customer and offered to switch our accounts from PowerOn (54% renewable) to their new option, PowerBase (45% renewable), in order to reduce our electric costs from electricity generation. Electric distribution is still handled by SDG&E. PowerOn was originally promoted as cheaper than SDG&E's existing rates but the savings has not yet been realized. RMWD has taken advantage of this offer, and the PowerBase rates should be lower than SDG&E pricing (approximately 2.5% less based on SDG&E's summer pricing). The Poway Pump Station remains on SDG&E generation due to its location in the City of Poway and is not eligible for SDCP generation. RMWD staff will also be meeting with SDCP staff about whether solar can be added to District facilities in partnership with SDCP.

Park Grant: RMWD staff will be meeting in late July to discuss the grant agreement with state staff, who hoped to have an executed agreement with RMWD by the end of September. (However, the process is moving slower than anticipated.) Additional updates will be provided to the park's committee and Board in August-September timeframe.

Water Operations

Collection Division:

- Woodson Lift stations 1, 2, and 3 were scheduled to be shut down to complete manhole tie-in on the 20-inch effluent for the Santa Maria pipeline project. All lift stations were shut down for an 8-hour period with staff monitoring wet wells to prevent spills.

- Staff completed the annual inspection of 13 air valves on Archie Moore Road and in the siphon easement to Santa Maria WWTP. During the inspection air valves were removed and flushed.

Distribution Division:

- Staff completed the #5 natural gas new clutch installation; the pump is now operational and ready for high heat season. The original clutch is pending inspection and rebuild.

- No. 8 electric 900 hp pump and motor is scheduled to be operational by July 3rd. No.6 900 hp natural gas engine is scheduled to be operational by the middle of July.

Meter Services Division:

- Staff completed monthly routine meter reading and customer service-related communications.

Utilities Construction:

- Staff isolated the three 18-inch valves for installation of a temporary bypass for the 30-inch pipeline for the Poway pump station project. The bypass is currently in service to provide full flow into Mt. Woodson Reservoir.

- Staff installed two 25-micron filters in series at the Lake Ramona bunger valve for release detection of Quagga Mussels into Blue Sky Ecological Reserve.

- Staff potholed non-functioning 12-inch plug valve on San Vicente Road and Arena Way for future replacement.

- Staff proactively began 1-inch poly service line replacement program throughout the San Diego Country Estates service area.

Wastewater Operations

San Vicente:

- Coordinated with designer for Headworks / Bar screen project.
- Spray field maintenance: Irrigation and weed control.
- Plant maintenance: Weed control and pond embankment maintenance.

- Monthly Waste Discharge Reports.
- Storage pond management.
- Worked with a new employee to meet operator-in-training (OIT) requirements.
- Worked on storage container pad and surrounding area for equipment storage at the spray field.

<u>Santa Maria:</u>

- Headworks project. Testing facilities.
- Continued work on Effluent Pipeline project.
- Monthly Waste Discharge Reports.
- Spray field operations.
- Storage pond management.
- Centrifuge upgrade options. Ordered.

Engineering

The following activities were ongoing or completed in the month of June 2024 for capital projects underway within the District service area:

- Effluent Transmission Main: This project is complete in the field and a final project walkthrough was completed on June 11, 2024. Contractor in the process of completing some minor punch list items including finalizing as-built redline drawings for the project. The District is using the newly installed pipeline and improved plant discharge capability has been confirmed. Notice of Completion was sent to the County of San Diego for Recording. (Contractor: Downing Construction)

- Santa Maria Headworks and Influent Pump Station Project: Thirty-day testing is complete. The District is currently using the new headworks for normal operations. The Contractor completed demolition of the original pump station and abandonment of the existing sewer main across private property off Sawday Street. The project is considered 99% complete in the field with the contractor addressing final punch list items. APCD is issuing the Permit to Operate for the facility at this time. (Contractor: GSE Construction Co.)

- West End Tank Rehabilitation Project: Project under construction, contractor completed removal of interior coating system and misc. metal repairs including the additional rafter replacement required. Contractor scheduled to complete the remaining interior coating system and exterior coating during the month of July. (Contractor: Paso Robles Tank)

- 30-inch Pipeline Replacement: Project under construction. Contractor completed installation of the above ground bypass and completed connection of the bypass to the existing below ground 18-in pipe. This operation allows installation of the new section of 30-inch above ground pipeline. Contractor also continued with installation of the below ground 30-inch pipeline in areas that are not in conflict with the existing 18-inch pipeline. (Contractor: Griffith Company)

- Wellfield Park Sports Lighting and Scoreboard Project: Project under construction. Contractor completed installation of the Musco sports lights for the soccer fields and the scoreboard for field # 4. Contractor waiting for delivery of the panel boards to continue construction of the project in the field; expected delivery is January 2025. (Contractor: Ace Electric).

- San Vicente Headworks Replacement Project: Project currently under design (90% design). Design is anticipated to be completed next month and contract documents prepared for advertisement. Construction of the project is not intended to start until Fiscal Year 2024-25.

- Elm Street Waterline & 14-inch Pipeline Replacement: The project is at 60% design, with ongoing potholing of existing utilities. Upon receipt of the potholing data, design will be completed. The project is not intended to start construction until Fiscal Year 25-26 or later.

Other:

- Continue working with new/potential water and sewer customers as well as private developers as needed.

- Continued work with RCAC and NV5 on The Acres Project water feasibility study and design.

- Continued work with NV5 on Wildcat Canyon Road Pipeline Project design.

- Review and processing of local development projects through the engineering counter.

- Ongoing design of Infrastructure Replacement Projects.

- Ongoing design of Tank and Reservoir Rehabilitation Projects.

- Ongoing support on RMWD Legislative Code amendments and revisions.

- Attend and support of monthly Board Meetings as required.

- Attend San Diego Water Agencies' Standards committee meetings and review of proposed revisions as required.

- Attend County of San Diego utility coordination meetings as required.

Finance/Purchasing/Fleet Maintenance

- Attended the California Special Districts Association's 2024 General Manager Leadership Summit. Registration fees for the summit ($775) will be reimbursed from an Emerging Leaders Scholarship that was awarded to the District.
- Coordinated efforts to start construction of the Administration Building Renovation Project. The contractor mobilized and completed most of the project's anticipated demolition.

- Provided the District's third party actuary all requested data to perform an actuarial study of the Other Post Employment Benefit Plan in preparation for the annually required GASB 75 reporting.
- Clerical efforts to close out fiscal year 2024, developing financial reports for internal and external reporting, and opening fiscal year 2025 with reporting, acquisition and purchase order administration.

Administrative Services

- Completion of 2024 Backflow Testing, second quarter
- Recruitment activity for one position
- Completion and posting of 2023 Water Quality Report, ahead of July 1 deadline
- Completion of Workplace Violence Prevention Plan and staff training in accordance with SB 553
- Preparation for Administrative Building remodel project, construction to begin mid-June
- Administration of park/field activities
- Administration of safety training

Anticipated July 2024 Activity

Water Operations

Collection Division:

- Finish cleaning Santa Maria Basin 18 through Mt. Woodson Golf Course. Approximately 6,000 feet.
- Begin Santa Maria Basin CCTV through Mt Woodson Golf Course. Approximately 4,000 feet.
- Finish Cleaning and CCTV Santa Maria Trunk Line towards Santa Maria Water Reclamation Plant. Approximately 2,500 feet.
- Per RMWD’s Sewer System Management Plan (SSMP), certain pipelines in the Santa Maria collections system identified to proactively 3- and 6-month hydro-jet to prevent spills.

Meter Services Division:

- Continued with monthly meter bench testing, service line inventory and customer service tasks, 2,354 services completed to date.

Systems Division:

- Installation of No. 6 900 hp natural gas pump and No.8 900 hp electric motor.

- No.5 natural gas engine clutch tear down and inspection.

Utilities Construction:

- Continue with Poly service replacement program and service line inventory data acquisition.
- Install six dedicated up and down stream water quality sample test stations for routine monthly sample stations for the treated distribution system.
- Install 8-inch flow meter at ID5 and 12-inch flow meter at SDCE pump station.

Finance/Purchasing/Fleet Maintenance

- Continued clerical efforts to close out fiscal year 2023-24 and developing financial reports for internal and external reporting.
- Coordinating efforts with the financial auditors to develop the 2023-24 Annual Comprehensive Financial Report and prepare for the financial audit.

Administrative Services

- Initiation of 2024 Backflow Testing, third quarter
- Recruitment activity for one position
- Administration of transition to new Occupational Health Services
- Continued support of Administrative Building remodel project
- Administration of park/field activities
- Administration of safety training

Ramona Municipal Water District
Construction Projects Status Report
July 9, 2024

Status As of:	Project Number	Project Name	Contractor/ Consultant	Contract Amount ($) Including Board Approved Change Orders		% Change Orders	Current Contract Amount ($)	Scheduled Completion	Estimated % of Work Completed	Status/Remarks
6/30/2024	J0 55264	Santa Maria WRP Headworks & Influent Pump Station	GSE Construction	$ 6,823,900		2.5%	$ 6,991,893	5/31/2024	99%	Construction is in progress.
6/30/2024	J0 55264	Santa Maria WRP Headworks & Influent Pump Station	Valley Construction Management	$ 553,150		-	$ 553,150	5/31/2024	99%	CM will continue as long as construction is in process.
6/30/2024	JO 55256	Effluent Pipeline Project	Downing Construction	$ 5,162,039.56	*	7.8%	$ 5,566,972.92	5/31/2024	100%	Construction completed and pipeline is now in service.
6/30/2024	JO 91949-02	West End Reservoir Rehabilitation Project	Paso Robles Tank	$ 1,475,213.00		4.3%	$ 1,538,953.00	7/31/2024	58%	Construction in progress.
6/30/2024	JO 51965	30-in Mount Woodson Waterline Replacement Project	Griffith Company	$ 8,469,213.00		0.9%	$ 8,548,730.36	11/26/2024	35%	Construction in progress.
6/30/2024	JO 51965	30-in Mount Woodson Waterline Replacement Project	Ardurra	$ 463,280.00		0.0%	$ 463,280.00	11/26/2024	35%	CM will continue as long as construction is in process.
6/30/2024	JO 18027-3 (PH02)	Wellfield Park Sports Lighting and Scoreboard Project	Ace Electric	$ 832,200.00		0.0%	$ 832,200.00	1/31/2025	82%	Construction in progress.

Notes:

* The Board of Directors approved a change order for this project at the Nov 2022 Board Meeting.

RAMONA MUNICIPAL WATER DISTRICT

To: Board of Directors

Agenda Item No. A.5.b.-2
Board Meeting of July 9, 2024

From: Erica Wolski, General Manager

Subject: Report out from June 27, 2024 San Diego County Water Authority Board Meeting

Consent Calendar

Item No.	Item Title	Staff Recommendation	RMWD Vote Placed by Director Hurst	Passed?
9.1	Treasurer's Report	Note and file the Treasurer's report (Action).	Yes	Yes
9.2	Adopt the Water Authority's Rates and Charges for Calendar Year (CY 2025)	a. Conduct the public hearing. b. Adopt Ordinance No. 2024-_ an ordinance of the Board of Directors of the SDCWA setting rates and charges for delivery and supply of water, use of facilities and provision of services. c. Adopt Resolution No. 2024-_ a resolution of the Board of Directors of the SDCWA continuing the standby availability charge. d. Adopt Ordinance No. 2024-_ an ordinance of the Board of Directors of the SDCWA amending and restating the System Capacity and Water Treatment Capacity Charges imposed by the Water Authority pursuant to Section 5.9 of the County Water Authority Act.	See additional discussion below the table. Revised motion: No	See additional discussion below the table. Revised motion: Yes (77.5%)

		e. Find the actions exempt from CEQA pursuant to Public Resources Code § 21080(b)(8) and authorize the General Manager to file a notice of exemption. f. Authorize the General Manager to implement the Water Authority's One-Time Pre-Payment of Future Fixed Charges Pilot Program and offer the program to all member agencies. g. Direct the General Manager and staff to return with an update of any material potential rate savings that can be applied prior to January 1, 2025, implementation.		
9.3	Adopt the Fiscal Years 2024 and 2025 Mid-Term Budget.	a. Adopt Resolution No. 2024- amending the budget for Fiscal Years 2024 and 2025 using Financial Planning Work Group recommended rate option for Calendar Year 2025 rates. b. Approve the Classification and Salary Schedules for Fiscal Year 2024 and Fiscal Year 2025, consistent with the approved increases in the approved Memorandum of Understanding (MOU) between SDCWA and Teamsters Local 911, to be publicly available and on file with the California Public Employees Retirement System.	Item "a" deferred to the July board meeting. Yes on b.	Item "a" deferred to the July board meeting. Yes on b.
9.4	Purchase of Water Authority Business Insurance for Fiscal Year 2025.	Authorize the General Manager to purchase $41 million in liability insurance for fiscal year 2025 from CalMutuals JPRIMA in the amount of $613,927, property insurance for fiscal year 2025 from Swiss Reinsurance Company in the amount of $342,883, and worker's compensation insurance from CalMutuals JPRIMA in the amount of $362,813, for a total amount of $1,319,623.	Yes	Yes

Additional information on item 9.2:

The public hearing for the rate increase was held during the Administrative and Finance Committee meeting that started at 9 am. No public comments were received at the meeting. However, later at the Board Meeting that began at 1 pm, three public comments were received that were against the rate increase.

A variety of rate options were reviewed and Alternative 9 was recommended by the FPWG, which is shown in the table below. SDCWA received a grant from USBR for the Carlsbad Desalination Project, which allowed them to recommend a 15% increase instead of an 18% increase (a 2.43% reduction). However, there are concerns about the use of this one-time grant funding to offset rates by some directors.

CY 2025 Rate Alternatives	External Pass Through	CWA Fiscal & Infrastructure Maintenance	Estimated CY 2025 Effective Impact	Meets 150 Days of Cash	Supports RSF by FY 2027	Supports AA+ Credit Rating	CIP Risk
1	11%	5%	16%	✗	✗	✗	Low $110M/yr
2	11%	5%	16%	✗	✗	✗	Mod $93M/yr
3	11%	5%	16%	✗	✗	✗	High $82M/yr
4	11%	9%	20%	✗	✓	✗	Low $110M/yr
5	11%	9%	20%	✗	✓	✓	Mod $93M/yr
6	11%	9%	20%	✓	✓	✓	High $82M/yr
7	11%	11%	22%	✗	✓	✓	Low $110M/yr
8	11%	8%	19%	✓	✓	✓	**Low $110M/yr**
9*	11%	7%	18%	✓	✓	✓	**Mod $93M/yr**
10**	11%	13.5%	24.5%	✓	✓	✓	Low $110M/yr

*Includes Alt 8 metrics with moderate risk to CIP and lower sized debt issuance in FY 2026
**Includes Alt 8 metrics with static regional water demands of 444,000AF for CY 2025-2027

The City of San Diego will not support a 15% rate increase and has suggested a 14% rate increase, as shown in the table on the following page. The 14% only allows for a SDCWA rate increase of 3% for internal costs. The 11% increase is the result of increased water supply costs from Metropolitan Water

District (MWD), Carlsbad Desalination water and the Quantification Settlement Agreement (QSA) water supply from Imperial Irrigation District.

Alt 14.0% + Grant: Reflects City of San Diego Recommendation

Rate Alternative	External Passthrough		CWA Fiscal & Infrastructure Impact		Est. CY25 Effective Impact	Meets 150 Days Policy	Funds RSF Policy	Supports AA+ Credit Rating	CIP Risk & Annual Investment
Alt. 9 (FPWG Rec)	11%	+	7.1%	=	18.1%	✓	✓	✓	Moderate Risk $93M/yr avg
Alt. 9 + Grant	11%	+	4.4%	=	15.4%	✓	✓	✓	Moderate Risk $93M/yr avg
Alt. 14.0% + Grant (City of San Diego Rec)	11%	+	3%	=	14.0%	X	X	X	Moderate Risk $93M/yr avg

The General Manager and some directors have recommended maintaining the capital improvement project (CIP) funds at $93 million and therefore, the $9 million reduction (revenue difference between a 15% and 14% rate increase) would come from reserves and would have a negative impact on the Rate Stabilization Fund and 150-day cash on hand policies. It also potentially risks a credit downgrade with the ratings agencies. A potential credit rating downgrade would result in higher debt costs long term. Example, as Director Hurst stated at the meeting, the $9 million in savings this year would equate to a $4 million increase for five years and is therefore not a good trade off, as it results in higher rates long term. There is also concern that the reduction in cash restricts the ability of SDCWA to broker water supply deals, as the water for deals to store water in Lake Mead or trade water between agencies must be paid for up front and it can take up to a year for the federal government to reimburse SDCWA.

Vote on revised motion:

Items not included in the revised motion that will be discussed at the July 25, 2024 Board meeting:

a. Conduct the public hearing.
b. Adopt Ordinance No. 2024-_ an ordinance of the Board of Directors of the SDCWA setting rates and charges for delivery and supply of water, use of facilities and provision of services.

Items included in the revised motion that was approved:

<u>New a. Adopt Resolution 2024-10 setting the time and place for a public hearing on July 25, 2024, at or after 9:00 am, as soon thereafter as may be practicably, to receive comments regarding the recommended rates and charges.</u>
c. Adopt Resolution No. 2024-11 a resolution of the Board of Directors of the SDCWA continuing the standby availability charge.

d. Adopt Ordinance No. 2024-03, an ordinance of the Board of Directors of the SDCWA amending and restating the System Capacity and Water Treatment Capacity Charges imposed by the Water Authority pursuant to Section 5.9 of the County Water Authority Act.
e. Find the actions exempt from CEQA pursuant to Public Resources Code § 21080(b)(8) and authorize the General Manager to file a notice of exemption.
f. Authorize the General Manager to implement the Water Authority's One-Time Pre-Payment of Future Fixed Charges Pilot Program and offer the program to all member agencies.
g. Direct the General Manager and staff to return with an update of any material potential rate savings that can be applied prior to January 1, 2025, implementation.
<u>New h. Return to the September 2024 and November 2024 Administrative and Finance Committee with a detailed explanation of the actions taken by the General Manager to adjust expenditures within the revenue increase equating to an effective rate increase to be determined at the July 25, 2024 Board meeting and present an amended FY 2025 Budget for the Board's adoption, if necessary.</u>
<u>New i. Adopt a revenue requirement necessary to pass-through costs related to MWD's rates, fees and charges.</u>

Vote on Revised Motion

77.5% Yes, 21.6% No, 0.9% Absent

<u>Agencies that voted Yes:</u> Carlsbad (2), Helix (1 of 2), Lakeside, Oceanside, Olivenhain, Otay (2), Poway, Rainbow, San Diego (7 of 10), Sweetwater Authority (2), Valley Center.
<u>Agencies that voted No:</u> Escondido, Helix (1 of 2), Padre Dam, Ramona, Rincon, San Diego* (2 of 10), San Dieguito, Santa Fe, Vallecitos, Vista.
<u>Absent:</u> Yuima, Pendleton, Del Mar
**If the City has a split vote the majority of the City's vote carries; therefore, there were 10 positive City votes for this motion.*

While the weighted vote controls at 77.5%, if the vote was considered only along agency lines, the vote was approximately 9 No to 10 Yes with 3 Absent.

Action/Discussion/Information

Item No.	**Item Title**	**Staff Recommendation**	**RMWD Vote Placed by Director Hurst**	**Passed?**
10.1	Resolution supporting Jo MacKenzie for the California Special District's Association Board of Directors for the Southern Network, Seat A.	Adopt a resolution supporting Jo MacKenzize for CSDA Board of Directors for the Southern Network Seat A.	Abstain	Yes*

*All voted yes, except three board members abstained: Hurst, Leahy (Oceanside), Abdullahi (City of San Diego).

MINUTES FOR THE REGULAR MEETING
OF THE BOARD OF DIRECTORS
OF THE RAMONA MUNICIPAL WATER DISTRICT
June 11, 2024

PRESENT

Jim Hickle	President
Jeff Lawler	Vice President
Gary Hurst	Treasurer
Jim Piva	Secretary
Jacob Zoria	Director At-Large

A. Opening of Public Session Meeting – TIME CERTAIN 6:01 P.M.

A.1. Call to Order, Pledge of Allegiance, and Roll Call Attendance

The Regular Meeting of the Board of Directors of the Ramona Municipal Water District was called to order by President Hickle at 6:01 p.m. at the Ramona Community Center, 434 Aqua Lane, Ramona, County of San Diego, State of California. President Hickle led the Board and members of the audience in the Pledge of Allegiance.

Roll Call.

Director Piva joined at 6:03 p.m.

A.2. Consideration of Non-Agenda Items Which Arose Subsequent to the Posting of the Agenda

None.

A.3. Adoption of Agenda for Meeting of June 11, 2024

M\S\C MOTION TO ADOPT THE AGENDA FOR June 11, 2024 (Lawler/Zoria)

AYES:	Hickle, Hurst, Lawler, Zoria
NOES:	None
ABSTAIN:	None
ABSENT:	Piva

A.4. Opportunity for Members of the Public to Address the Board on any Subject within its Jurisdiction but not on the Agenda

Bob Thompson addressed the Board.

A.5. Announcements and/or Informational Reports from Board and/or Staff

A.5.a. General Manager Information Report and Staff Activity for May 2024

General Manager Wolski reported on the status of the pumps at the Poway Pump Station.

A.5.b. Committee Reports

A.5.b.-1 Ad Hoc Reports

General Manager Wolski reported that the Recycled Water & Potable Water Growth Ad Hoc is waiting on the Environmental Document from Barona so that the project could move forward.

A.5.b.-2 Liaison Reports

Director Hurst commented on the discussion at the San Diego Water Authority related to Water Rates and Fees. There will be a hearing on June 27, 2024. He mentioned they will not exceed a 19% effective rate.

Director Piva reported on the discussion at the Leadership Council meeting regarding live music at local wineries and Ramona USD putting a bond on the November 2024 ballot.

A.5.b.-3 Committee Meeting Reports

General Manager Wolski stated that there have not been committee meetings and that there probably will not be any meetings until the end of summer.

B. Ministerial Items

B.1. Consent Calendar

(All matters on the consent calendar are to be approved by one motion unless a Board Member requests separate action on a specific item)

B.1.a.	**Adoption of the Regular Board Meeting Minutes for May 14, 2024** Recommendation: To adopt the Minutes for May 14, 2024.	General Manager
B.1.b.	**Acceptance of Monthly Financial Reports – April 2024** Recommendation: No staff recommendation.	Finance
B.1.c.	**Discussion and Possible Action to find that the Ramona Acres Water Pipelines – Phase 1 Project is Exempt from CEQA** Recommendation: Respectfully recommend that the Board find that the Ramona Acres Water Pipelines – Phase 1 Project is exempt from the California Environmental Quality Act (CEQA) and to direct staff to prepare and file a Notice of Exemption (NOE).	Erica Wolski

M\S\C MOTION TO APPROVE THE CONSENT CALENDAR AS WRITTEN (Piva/Hurst)

AYES: Hickle, Hurst, Lawler, Piva, Zoria
NOES: None
ABSTAIN: None
ABSENT: None

C. Public Hearing/Bid Openings

(This space on the agenda is reserved in the event there is a public hearing or bid opening)

C.1. Public Hearing - To Take Public Input on Modifying the Water Rates in the Water Service Area

Chief Financial Officer Joe Spence gave a presentation before the Public Hearing began giving an overview of the rationale behind the proposed rate increases. He stated the goal has been to be transparent and collaborative with both the Board and the rate payers. He clarified how the revenue the District receives is locked into specific funds. He explained that the future years included in the proposed rate increases are not automatically implemented – each year staff will make a recommendation for Board approval no higher than the maximum approved percentage, if any increases are recommended at all. He detailed the rising costs for electricity and natural gas, both of which are used to pump water up to Ramona via the Poway Pump Station. He also detailed the rising costs of repairing and replacing pipelines and infrastructure. He explained how the proposed rate increases are to stay level with these rising costs.

President Hickle opened the public hearing at 6:45 p.m. An introductory statement by legal counsel was made.

The following individuals presented testimony in opposition of the rates and/or fees: Mark Jones, Patrice Doona, and Bob Thompson.

The following individuals presented testimony in support of the rates and/or fees: Casey Lynch and Robert Krysak.

Seeing no other speakers, President Hickle closed the public hearing at 7:02 p.m.

The recording secretary reported that of approximately 9,375 parcels subject to water rates and fees, there were 10 written protests received by the District (no majority protest).

C.1.a. Discussion and Possible Action to Adopt an Ordinance to Set New Water Rates and Fees

Recommendation: Staff respectfully recommends that after holding the public hearing, receiving public comments, and determining if there are sufficient written protests under Agenda Item C.1., that the Board approve the rate and fee changes to be effective July 1, 2024, for Year 1, and subsequent Year 2-5 increases effective annually on July 1 from 2025-2028, by adopting the attached Ordinance.

Chief Financial Officer Joe Spence introduced Steve Gagnon, Vice President of Raftelis Financial Consultant, Inc. to give a presentation on fixed charges and to answer any board member questions there may be regarding the proposed rate increases. Mr. Gagnon presented information on the recommended 30% revenue from fixed costs for the District and how it compares to what other Districts are doing across California. He presented the legal requirements of Proposition 218.

Board discussion followed. Director Hurst asked about the approach taken when compiling the rate and fee study. Director Piva spoke on the approach the Board takes when considering changing rates. Director Lawler commented on the major rehabilitation projects the District has coming up and how the rate increases are necessary to fund the projects. Director Zoria thanked staff for the work leading up to this hearing.

Chief Financial Officer Spence stressed the commitment he was making to the public to ensure he's maintaining transparency with water rates and fees.

M\S\C MOTION TO APPROVE AN ORDINANCE TO MODIFY THE DISTRIC'S WATER RATES AND FEES (Lawler/Piva)

AYES: Hickle, Lawler, Piva, Zoria
NOES: Hurst
ABSTAIN: None
ABSENT: None

D. Agenda Items which Anticipate Possible Input from Members of the Public
(This space on the agenda is reserved in the event a member of the public is scheduled to address the Board)

E. Agenda Items which Anticipate Possible Input from Other Agencies/Consultants
(This space on the agenda is reserved in the event another agency/consultant is scheduled to address the Board)

F. Agenda Items which Anticipate Possible Input from Staff

G. Remaining Agenda Items

G.1. Directors' Reports of Reimbursed Meetings
Pursuant to Legislative Code Section 2.08.140, members of the Board who receive reimbursement from the District for their actual and necessary expenses for attending meetings outside the District shall either prepare a written report to be submitted at the next subsequent Board meeting or make a verbal report during the next regular Board meeting. The report shall detail the information that may be of benefit to the District that was presented at the meeting.

Director Hurst spoke on the meeting he attended on May 22 for the SDCWA East County Caucus which was focused on SDCWA rates and fees.

G.2. Future Agenda Items

None.

I. Date and Time for the Next Regular Meeting

July 9, 2024 - 6:00 p.m.

Adjourn

____

Jim Hickle, President, Board of Directors
RAMONA MUNICIPAL WATER DISTRICT

RAMONA MUNICIPAL WATER DISTRICT

AGENDA MEMO

Agenda Item No. B.1.b.
Regular Board Meeting of July 9, 2024

Jim Hickle, President
and Members of the Board of Directors
Ramona, CA 92065

RE: ACCEPTANCE OF MONTHLY FINANCIAL REPORTS – MAY 2024

Members of the Board:

Purpose
To present monthly financial reports for the month of May 2024.

Background
Accounts with May financial activity are closed during the month of June and submitted to the Board in July.

Discussion
The monthly reports for May 2024 are submitted.

Fiscal Impact
None.

Recommendation
No staff recommendation.

Prepared by: Janeen Myers, Accounting Supervisor

Reviewed by: Joe Spence, Chief Financial Officer

Submitted by: Erica Wolski, General Manager

ATTACHMENT:

Attachment 1	May 2024 Financials	B.1.b. Page 2-18

RAMONA MUNICIPAL WATER DISTRICT

UNAUDITED STATEMENT OF REVENUE & EXPENSES
ALL OPERATING FUNDS
FOR MAY 2024 AND THE ELEVENTH FISCAL MONTH ENDING MAY 31, 2024

	MONTH OF May	Y TO D May-24	Y TO D BUDGET	VARIANCE FAV (UNFAV)
SUMMARY - ALL OPERATING FUNDS				
REVENUE				
WATER FUND	$ 1,575,019	$ 16,563,774	$ 17,839,089	$ (1,275,314)
PARK FUND	34,281	407,272	363,000	44,272
SAN VICENTE SANITATION FUND	311,962	3,110,147	3,081,925	28,222
SANTA MARIA SANITATION FUND	369,149	3,806,475	3,833,775	(27,300)
GENERAL FUND	54,537	603,707	451,000	152,707
TOTAL REVENUE BY FUND	**2,344,949**	**24,491,376**	**25,568,789**	**(1,077,413)**
EXPENSES				
WATER FUND	(1,567,647)	(15,330,123)	(17,991,918)	2,661,796
PARK FUND	(57,318)	(514,682)	(462,000)	(52,682)
SAN VICENTE SANITATION FUND	(234,222)	(2,734,972)	(2,622,071)	(112,901)
SANTA MARIA SANITATION FUND	(249,454)	(2,892,994)	(2,739,214)	(153,780)
GENERAL FUND	(48,620)	(585,021)	(680,166)	95,144
TOTAL EXPENSES BY FUND	(2,157,261)	(22,057,791)	(24,495,368)	2,437,577
NET OPERATING REVENUE LESS EXPENSES	**187,688**	**2,433,585**	**1,073,420**	**1,360,164**
TRANSFERS TO CAPITAL FUNDS	(450,000)	(4,950,000)	(4,950,000)	-
NET REVENUES LESS EXPENSES AFTER CAPITAL TRANSFERS	**$ (262,312)**	**$ (2,516,415)**	**$ (3,876,580)**	**$ 1,360,164**

RAMONA MUNICIPAL WATER DISTRICT

UNAUDITED STATEMENT OF REVENUE & EXPENSES
WATER FUND
FOR MAY 2024 AND THE ELEVENTH FISCAL MONTH ENDING MAY 31, 2024

	MONTH OF May	Y TO D May-24	Y TO D BUDGET	VARIANCE FAV (UNFAV)
FUND 01 - WATER				
REVENUE				
TREATED WATER SALES[1]	$ 843,451	$ 9,115,684	$ 10,242,002	$ (1,126,318)
UNTREATED WATER SALES[1]	33,036	321,247	644,333	(323,086)
CONSTRUCTION WATER SALES	15,504	79,103	67,812	11,291
PUMPING CHARGES	119,267	1,337,714	1,684,295	(346,581)
TOTAL WATER/PUMPING REVENUE	1,011,258	10,853,748	12,638,442	(1,784,694)
WATER SYSTEM CHARGES	458,978	4,721,377	4,556,142	165,235
PENALTIES & LATE CHARGES	20,750	192,002	187,468	4,534
SERVICE CONNECTIONS	(2,127)	569	5,964	(5,395)
OTHER OPERATING REVENUE	22,898	52,543	41,320	11,224
TOTAL OTHER OPERATING REVENUE	500,499	4,966,491	4,790,894	175,598
PROPERTY TAX - SECURED[2]	33,333	366,667	366,667	-
INTEREST INCOME & UNREALIZED GAIN (LOSS)	29,928	371,060	36,855	334,205
OTHER NON-OPERATING REVENUE	-	5,809	6,232	(423)
TOTAL NON-OPERATING REVENUE	63,261	743,535	409,753	333,782
TOTAL REVENUE	**1,575,019**	**16,563,774**	**17,839,089**	**(1,275,314)**
EXPENSES				
SDCWA COST OF PURCHASED WATER - VARIABLE TREATED[1]	(572,015)	(5,292,911)	(6,086,153)	793,243
SDCWA COST OF PURCHASED WATER - VARIABLE UNTREATED[1]	-	(695)	(894,265)	893,571
SDCWA COST OF PURCHASED WATER - FIXED	(160,551)	(1,725,765)	(1,697,630)	(28,135)
PUMPING FACILITIES EXPENSES	(155,671)	(1,571,014)	(1,648,708)	77,695
OTHER CHARGES - DUE TO POWAY	-	-	(27,500)	27,500
CHANGE IN WATER INVENTORY	(20,456)	(100,623)	-	(100,623)
TOTAL COST OF WATER/PUMPING EXPENSES	(908,693)	(8,691,007)	(10,354,257)	1,663,250
ADMINISTRATION	(92,344)	(935,818)	(1,115,898)	180,080
SYSTEMS	(153,324)	(1,429,286)	(1,403,516)	(25,771)
TRANSMISSION AND DISTRIBUTION	(215,016)	(1,623,335)	(2,413,015)	789,680
VEHICLE MAINTENANCE	(28,686)	(397,216)	(345,616)	(51,600)
LAKE RAMONA	(3,459)	(75,667)	(103,286)	27,619
TOTAL OPERATING EXPENSES BY DEPARTMENT[3]	(492,829)	(4,461,322)	(5,381,331)	920,009
TOTAL DEPARTMENT EXPENSES	**(1,401,522)**	**(13,152,329)**	**(15,735,588)**	**2,583,259**
GENERAL & ADMIN COST ALLOCATIONS	(166,125)	(2,177,794)	(2,256,330)	78,536
TOTAL EXPENSES	**(1,567,647)**	**(15,330,123)**	**(17,991,918)**	**2,661,796**
NET OPERATING REVENUE LESS EXPENSES	**$ 7,372**	**$ 1,233,652**	**$ (152,829)**	**$ 1,386,481**
TRANSFERS TO CAPITAL FUNDS	(291,667)	(3,208,333)	(3,208,333)	-
NET REVENUES LESS EXPENSES AFTER CAPITAL TRANSFERS	**$ (284,295)**	**$ (1,974,682)**	**$ (3,361,163)**	**$ 1,386,481**

[1] Net of PSAWR Credits
[2] Property Tax Revenues are accrued over a 12 month period
[3] Does not include Depreciation Expense

RAMONA MUNICIPAL WATER DISTRICT

UNAUDITED STATEMENT OF REVENUE & EXPENSES
PARK FUND
FOR MAY 2024 AND THE ELEVENTH FISCAL MONTH ENDING MAY 31, 2024

	MONTH OF May	Y TO D May-24	Y TO D BUDGET	VARIANCE FAV (UNFAV)
FUND 03 - PARK				
REVENUE				
RENT/LEASE INCOME	$ 18,400	127,199	192,500	$ (65,301)
TOTAL OPERATING REVENUE	18,400	127,199	192,500	(65,301)
PROPERTY TAX - SECURED - DISTRICT A[1]	15,083	165,917	165,917	-
INTEREST INCOME/UNREALIZED GAIN (LOSS)	798	5,892	4,583	1,308
OTHER NON-OPERATING REVENUE	-	108,265	-	108,265
TOTAL NON-OPERATING REVENUE	15,881	280,073	170,500	109,573
TOTAL REVENUE	**34,281**	**407,272**	**363,000**	**44,272**
EXPENSES				
OPERATING EXPENSES	(57,318)	(514,682)	(462,000)	(52,682)
TOTAL OPERATING EXPENSES BY DEPARTMENT[2]	(57,318)	(514,682)	(462,000)	(52,682)
TOTAL EXPENSES	**(57,318)**	**(514,682)**	**(462,000)**	**(52,682)**
NET OPERATING REVENUE LESS EXPENSES	**$ (23,036)**	**$ (107,410)**	**$ (99,000)**	**$ (8,410)**
TRANSFERS FROM CAPITAL FUNDS	12,500	137,500	137,500	-
NET REVENUES LESS EXPENSES AFTER CAPITAL TRANSFERS	**$ (10,536)**	**$ 30,090**	**$ 38,500**	**$ (8,410)**

[1]Property Tax Revenues are accrued over a 12 month period

[2]Does not include Depreciation Expense

RAMONA MUNICIPAL WATER DISTRICT

UNAUDITED STATEMENT OF REVENUE & EXPENSES
SAN VICENTE SANITATION FUND
FOR MAY 2024 AND THE ELEVENTH FISCAL MONTH ENDING MAY 31, 2024

	MONTH OF May	Y TO D May-24	Y TO D BUDGET	VARIANCE FAV (UNFAV)
FUND 04 - SAN VICENTE SANITATION				
REVENUE				
SEWER CHARGES	$ 7,259	$ 96,184	$ 99,017	$ (2,832)
SEWER - TAX ROLL[1]	240,665	2,647,317	2,647,317	-
SEWER AVAILABILITY[2]	3,292	36,208	36,208	-
TERTIARY WATER SALES	46,972	186,081	275,000	(88,919)
OTHER OPERATING REVENUE	-	550	917	(367)
TOTAL OPERATING REVENUE	298,189	2,966,340	3,058,458	(92,118)
INTEREST INCOME/UNREALIZED GAIN (LOSS)	13,773	123,342	23,467	99,876
OTHER NON-OPERATING REVENUE	-	20,465	-	20,465
TOTAL NON-OPERATING REVENUE	13,773	143,807	23,467	120,340
TOTAL REVENUE	**311,962**	**3,110,147**	**3,081,925**	**28,222**
EXPENSES				
ADMINISTRATION	(13,831)	(166,280)	(172,598)	6,318
TREATMENT	(81,549)	(1,104,473)	(933,356)	(171,117)
COLLECTIONS	(42,682)	(419,853)	(425,057)	5,205
REVERSE OSMOSIS	(47,173)	(402,172)	(425,730)	23,558
TOTAL OPERATING EXPENSES BY DEPARTMENT[3]	(185,235)	(2,092,778)	(1,956,742)	(136,035)
GENERAL & ADMIN COST ALLOCATIONS	(48,987)	(642,194)	(665,329)	23,135
TOTAL EXPENSES	**(234,222)**	**(2,734,972)**	**(2,622,071)**	**(112,901)**
NET OPERATING REVENUE LESS EXPENSES	**$ 77,740**	**$ 375,176**	**$ 459,854**	**$ (84,678)**
TRANSFERS TO CAPITAL FUNDS	(66,667)	(733,333)	(733,333)	-
NET REVENUES LESS EXPENSES AFTER CAPITAL TRANSFERS	**$ 11,073**	**$ (358,158)**	**$ (273,479)**	**$ (84,678)**

[1]SewerTax Roll Revenues are accrued over a 12 month period
[2]Sewer Avalibility Revenues are accrued over a 12 month period
[3]Does not include Depreciation Expense

RAMONA MUNICIPAL WATER DISTRICT

UNAUDITED STATEMENT OF REVENUE & EXPENSES
SANTA MARIA SANITATION FUND
FOR MAY 2024 AND THE ELEVENTH FISCAL MONTH ENDING MAY 31, 2024

	MONTH OF May	Y TO D May-24	Y TO D BUDGET	VARIANCE FAV (UNFAV)
FUND 05 - SANTA MARIA SANITATION				
REVENUE				
SEWER CHARGES	$ 11,781	$ 132,714	$ 190,544	$ (57,830)
SEWER - TAX ROLL[1]	295,428	3,249,706	3,249,706	-
TERTIARY WATER SALES	44,868	265,552	348,333	(82,781)
OTHER OPERATING REVENUE	1,500	14,600	17,967	(3,367)
TOTAL OPERATING REVENUE	353,577	3,662,572	3,806,550	(143,978)
INTEREST INCOME/UNREALIZED GAIN (LOSS)	15,572	136,482	27,225	109,257
OTHER NON-OPERATING REVENUE	-	7,422	-	7,422
TOTAL NON-OPERATING REVENUE	15,572	143,904	27,225	116,679
TOTAL REVENUE	**369,149**	**3,806,475**	**3,833,775**	**(27,300)**
EXPENSES				
ADMINISTRATION	(13,099)	(165,358)	(152,432)	(12,926)
TREATMENT	(136,293)	(1,513,570)	(1,375,918)	(137,653)
COLLECTIONS	(42,571)	(460,379)	(429,827)	(30,552)
TOTAL OPERATING EXPENSES BY DEPARTMENT[2]	(191,963)	(2,139,307)	(1,958,176)	(181,131)
GENERAL & ADMIN COST ALLOCATIONS	(57,491)	(753,687)	(781,038)	27,351
TOTAL EXPENSES	**(249,454)**	**(2,892,994)**	**(2,739,214)**	**(153,780)**
NET OPERATING REVENUE LESS EXPENSES	**$ 119,695**	**$ 913,482**	**$ 1,094,561**	**$ (181,080)**
TRANSFERS TO CAPITAL FUNDS	(104,167)	(1,145,833)	(1,145,833)	-
NET REVENUES LESS EXPENSES AFTER CAPITAL TRANSFERS	**$ 15,529**	**$ (232,352)**	**$ (51,272)**	**$ (181,080)**

[1]SewerTax Roll Revenues are accrued over a 12 month period

[2]Does not include Depreciation Expense

RAMONA MUNICIPAL WATER DISTRICT

UNAUDITED STATEMENT OF REVENUE & EXPENSES
GENERAL FUND
FOR MAY 2024 AND THE ELEVENTH FISCAL MONTH ENDING MAY 31, 2024

	MONTH OF May	Y TO D May-24	Y TO D BUDGET	VARIANCE FAV (UNFAV)
FUND 06 - GENERAL				
REVENUE				
LEASE/RENT INCOME	$ 21,191	$ 229,478	$ 232,117	$ (2,639)
OTHER OPERATING REVENUE	651	23,969	12,128	11,841
TOTAL OPERATING REVENUE	21,841	253,447	244,245	9,202
PROPERTY TAX - SECURED[1]	16,667	183,333	183,333	-
INTEREST INCOME/UNREALIZED GAIN (LOSS)	15,921	165,239	22,000	143,239
OTHER NON-OPERATING REVENUE	108	1,687	1,422	265
TOTAL NON-OPERATING REVENUE	32,696	350,259	206,755	143,504
TOTAL REVENUE	**54,537**	**603,707**	**451,000**	**152,707**
EXPENSES				
BOARD OF DIRECTORS	(16,469)	(137,481)	(252,083)	114,602
GENERAL MANAGER	(32,075)	(389,266)	(441,103)	51,837
FINANCE/PURCHASING	(61,446)	(627,689)	(793,868)	166,179
CUSTOMER SERVICE	(24,978)	(378,856)	(414,713)	35,856
ACCOUNTING	(32,230)	(372,754)	(383,724)	10,970
ADMIN SERVICES	(96,298)	(1,020,856)	(1,017,227)	(3,630)
ENGINEERING	(16,450)	(421,926)	(596,833)	174,906
GENERAL SERVICES	(40,513)	(804,195)	(466,813)	(337,382)
PUBLIC OUTREACH	(764)	(5,673)	(16,500)	10,827
TOTAL OPERATING EXPENSES BY DEPARTMENT[2]	(321,223)	(4,158,696)	(4,382,863)	224,166
GENERAL & ADMIN COST ALLOCATIONS	272,603	3,573,675	3,702,697	(129,022)
TOTAL EXPENSES	**(48,620)**	**(585,021)**	**(680,166)**	**95,144**
NET OPERATING REVENUES LESS EXPENSES	**$ 5,917**	**$ 18,685**	**$ (229,166)**	**$ 247,851**

[1]Property Tax Revenues are accrued over a 12 month period

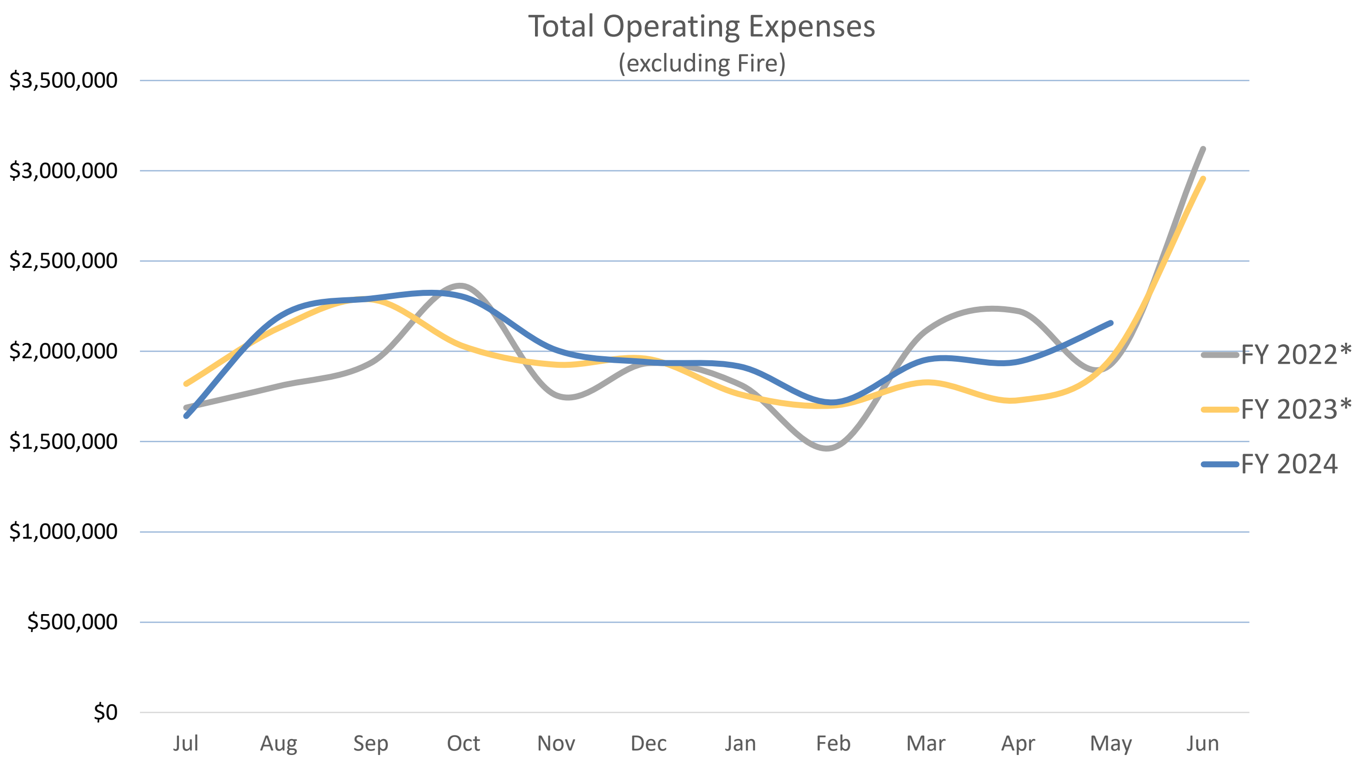
RAMONA MUNICIPAL WATER DISTRICT

OPERATING REVENUE/EXPENDITURE TREND 2023-2024

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
General													
Revenue	$ 55,085	$ 54,245	$ 50,878	$ 56,848	$ 54,535	$ 58,919	$ 54,545	$ 53,499	$ 56,245	$ 54,370	$ 54,537		$ 603,707
Expenditures	(334,350)	(300,323)	(416,826)	(588,664)	(362,830)	(262,278)	(355,823)	(421,812)	(412,477)	(382,092)	(321,223)		(4,158,696)
Total	(279,264)	(246,078)	(365,947)	(531,816)	(308,295)	(203,359)	(301,278)	(368,313)	(356,232)	(327,722)	(266,686)	-	(3,554,990)
Transfers	292,833	254,626	355,149	507,289	310,689	227,651	307,681	358,933	356,565	329,656	272,603		3,573,675
Net Result	13,569	8,548	(10,798)	(24,527)	2,394	24,292	6,403	(9,380)	333	1,934	5,917	-	18,685
Water													
Revenue	2,011,215	1,706,554	1,712,957	1,371,236	1,887,004	1,282,149	1,254,876	1,102,406	1,154,017	1,506,341	1,575,019		16,563,774
Expenditures	(1,159,973)	(1,425,855)	(1,405,302)	(1,279,920)	(1,198,404)	(1,074,080)	(1,079,722)	(904,155)	(1,080,830)	(1,142,565)	(1,401,522)		(13,152,329)
Total	851,242	280,699	307,656	91,316	688,600	208,070	175,153	198,250	73,186	363,776	173,497	-	3,411,446
Transfers	(470,119)	(446,837)	(508,094)	(600,808)	(481,000)	(430,397)	(479,169)	(510,400)	(508,956)	(492,559)	(457,792)		(5,386,127)
Net Result	381,123	(166,138)	(200,438)	(509,491)	207,601	(222,327)	(304,016)	(312,149)	(435,770)	(128,782)	(284,295)	-	(1,974,682)
Park													
Revenue	27,898	19,529	27,788	21,842	23,705	23,797	126,762	25,302	28,900	47,468	34,281		407,272
Expenditures	(12,441)	(98,664)	(26,118)	(51,464)	(74,388)	(39,317)	(47,486)	(26,175)	(43,284)	(38,027)	(57,318)		(514,682)
Total	15,458	(79,135)	1,670	(29,622)	(50,684)	(15,520)	79,276	(873)	(14,385)	9,441	(23,036)	-	(107,410)
Transfers	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500		137,500
Net Result	27,958	(66,635)	14,170	(17,122)	(38,184)	(3,020)	91,776	11,627	(1,885)	21,941	(10,536)	-	30,090
San Vicente													
Revenue	297,903	280,125	286,638	291,864	287,955	270,830	270,896	264,219	264,474	283,282	311,962		3,110,147
Expenditures	(62,881)	(183,620)	(209,484)	(195,217)	(193,945)	(274,847)	(227,106)	(171,600)	(202,781)	(186,062)	(185,235)		(2,092,778)
Total	235,022	96,505	77,153	96,648	94,010	(4,017)	43,790	92,619	61,693	97,220	126,727	-	1,017,370
Transfers	(119,289)	(112,422)	(130,488)	(157,828)	(122,499)	(107,577)	(121,957)	(131,167)	(130,743)	(125,907)	(115,654)		(1,375,527)
Net Result	115,734	(15,917)	(53,334)	(61,180)	(28,488)	(111,594)	(78,167)	(38,548)	(69,050)	(28,687)	11,073	-	(358,158)
Santa Maria													
Revenue	368,178	376,513	364,449	352,704	336,714	329,136	320,455	326,642	321,562	340,972	369,149		3,806,475
Expenditures	(72,049)	(181,192)	(234,694)	(186,244)	(178,288)	(289,604)	(204,592)	(193,598)	(213,220)	(193,863)	(191,963)		(2,139,307)
Total	296,129	195,321	129,754	166,460	158,427	39,532	115,863	133,044	108,343	147,109	177,186	-	1,667,169
Transfers	(165,926)	(157,868)	(179,068)	(211,154)	(169,691)	(152,178)	(169,056)	(179,867)	(179,367)	(173,691)	(161,658)		(1,899,520)
Net Result	130,204	37,454	(49,314)	(44,694)	(11,264)	(112,646)	(53,192)	(46,823)	(71,024)	(26,582)	15,529	-	(232,352)
Total Operating Funds													
Revenue	2,760,280	2,436,966	2,442,710	2,094,495	2,589,914	1,964,832	2,027,534	1,772,066	1,825,197	2,232,432	2,344,949	-	24,491,376
Expenditure	(1,641,693)	(2,189,655)	(2,292,424)	(2,301,509)	(2,007,855)	(1,940,125)	(1,914,729)	(1,717,340)	(1,952,592)	(1,942,608)	(2,157,261)	-	(22,057,791)
Total	1,118,587	247,312	150,286	(207,014)	582,059	24,707	112,805	54,726	(127,395)	289,824	187,688	-	2,433,585
Transfers	(450,000)	(450,000)	(450,000)	(450,000)	(450,000)	(450,000)	(450,000)	(450,000)	(450,000)	(450,000)	(450,000)	-	(4,950,000)
Net Result	$ 668,587	$ (202,688)	$ (299,714)	$ (657,014)	$ 132,059	$ (425,293)	$ (337,195)	$ (395,274)	$ (577,395)	$ (160,176)	$ (262,312)	$ -	$ (2,516,415)

RAMONA MUNICIPAL WATER DISTRICT

OPERATING REVENUE/EXPENDITURE TREND 2023-2024



* Fire & paramedic services were transferred to the San Diego County Fire Protection District on Aug. 1, 2022. These expenses have been excluded from FY 2022 and FY 2023 totals to be comparative to FY 2024.

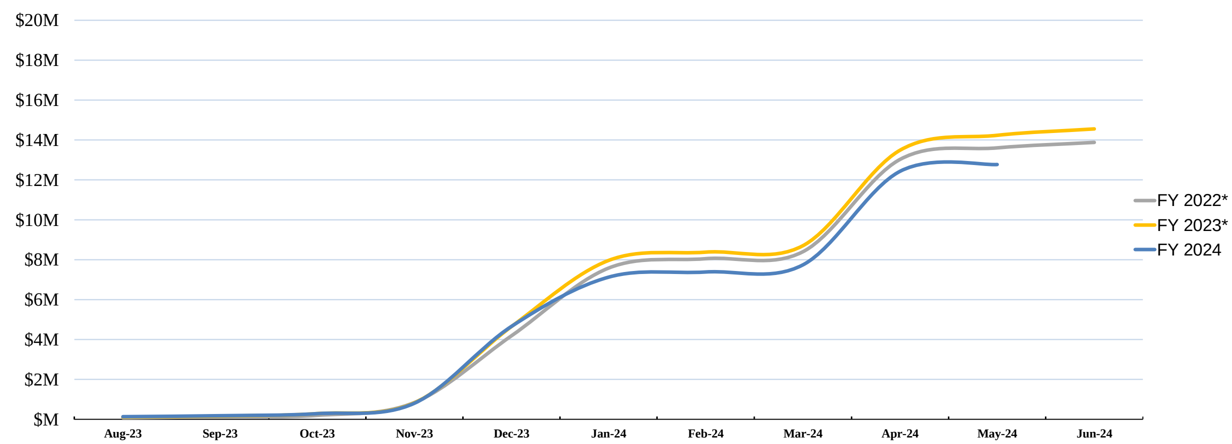
RAMONA MUNICIPAL WATER DISTRICT
WATER SALES AND PURCHASES 2023-2024

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTALS
WATER SALES													
2021-22													
Untreated - Acre Feet	89.1	118.0	79.2	66.9	48.3	32.3	22.3	56.2	31.1	42.6	63.1	104.3	753.4
Treated - Acre Feet	303.8	505.5	313.5	434.4	190.3	347.2	164.8	341.2	165.5	347.3	184.8	528.2	3,826.5
Total	**392.9**	**623.5**	**392.7**	**501.3**	**238.6**	**379.5**	**187.1**	**397.4**	**196.6**	**389.9**	**247.9**	**632.5**	**4,579.9**
2022-23													
Untreated - Acre Feet	87.5	88.8	74.3	54.5	22.8	14.9	2.0	7.8	1.3	10.7	32.6	43.8	441.0
Treated - Acre Feet	261.6	581.6	241.5	478.8	180.1	362.4	161.7	236.9	135.3	225.0	181.4	367.5	3,413.8
Total	**349.1**	**670.4**	**315.8**	**533.3**	**202.9**	**377.3**	**163.7**	**244.7**	**136.6**	**235.7**	**214.0**	**411.3**	**3,854.8**
2023-24													
Untreated - Acre Feet	54.6	47.2	25.5	23.1	24.8	14.4	3.9	0.8	4.9	10.2	35.6		245.0
Treated - Acre Feet	319.9	433.4	352.7	314.4	383.3	211.7	219.5	201.7	165.3	185.1	261.8		3,048.8
Total	**374.5**	**480.6**	**378.2**	**337.5**	**408.1**	**226.1**	**223.4**	**202.5**	**170.2**	**195.3**	**297.4**		**3,293.8**
WATER PURCHASES													
SUPPLY CHARGES													
Water Treated - Acre Feet	432.1	374.4	341.4	341.4	283.2	260.9	220.8	183.5	204.6	227.9	321.4		3,191.6
Water Treated - $ Amount	$620,064	$537,264	$489,909	$489,909	$406,392	$374,392	$353,280	$293,600	$327,360	$364,640	$514,240		$4,771,049
Water Untreated - CWA - Acre Feet										0.50			0.5
Water Untreated - CWA - $ Amount										600.00			$600
Transportation Charge - Meter Delivery - CWA - $ Amount	$74,753	$64,771	$59,062	$59,062	$48,994	$45,136	$41,731	$34,682	$38,669	$43,168	$60,745		$570,773
WATER EXCHANGES													
Water Exchanges (to) from Other Agencies - Acre Feet	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Exchanges (to) from Other Agencies - $ Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transportation Charges - Exchanges - $ Amount	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
FIXED CHARGES (CREDITS)													
MWD Capacity Reservation Charge - $ Amount	$7,381	$7,381	$7,381	$7,381	$7,381	$7,381	$9,522	$9,522	$9,522	$9,522	$9,522		$91,896
MWD Readiness to Serve Credit - $ Amount	($9,015)	($9,015)	($9,015)	($9,015)	($9,015)	($9,015)	($9,015)	($9,015)	($9,015)	($9,015)	($9,015)		($99,165)
CWA Customer Service Charge - $ Amount	$24,738	$24,738	$24,738	$24,738	$24,738	$24,738	$26,028	$26,028	$26,028	$26,028	$26,028		$278,568
CWA Emergency Storage Charge - $ Amount	$51,810	$51,810	$51,810	$51,810	$51,810	$51,810	$51,290	$51,290	$51,290	$51,290	$51,290		$567,310
CWA Infrastructure Access Charge	$43,757	$43,757	$43,757	$43,757	$43,757	$43,757	$44,577	$44,577	$44,577	$44,577	$44,577		$485,427
CWA Supply Reliability Charge	$35,164	$35,164	$35,164	$35,164	$35,164	$35,164	$38,149	$38,149	$38,149	$38,149	$38,149		$401,729
Other Charges and (Credits) Adjustments													
SAWR Water Programs - Acre Feet	(37.6)	(57.7)	(23.6)	(20.50)	(18.6)	(15.9)	(16.3)	(2.0)	(0.1)	(5.1)	(10.0)		(207.4)
SAWR Water Programs - $ Amount	(8,648.0)	(13,271.0)	(5,428.0)	(4,715.00)	(4,278.0)	(3,657.0)	(3,711.0)	(594.0)	(29.7)	(1,514.7)	(2,970.0)		(48,816.4)
Local Projects & Local Resource Program Credits - Acre Feet	(19.7)	(31.3)	(23.4)	(35.3)	(21.4)	(5.60)	(6.20)	-	-	(17.9)	(53.9)		(214.7)
Local Projects & Local Resource Program Credits - $ Amount	(3,033.8)	(4,820.2)	(3,603.6)	(10,853.0)	(7,262.0)	(1,572.80)	(2,790.00)	-	-	(5,213.4)	(17,802.2)		(56,951.0)
Total Purchases - Acre Feet	**432.1**	**374.4**	**341.4**	**341.4**	**283.2**	**260.9**	**220.8**	**183.5**	**204.6**	**228.4**	**321.4**		**3192.1**
Total Purchases - $ Amount	**$836,970**	**$737,779**	**$693,775**	**$687,238**	**$597,681**	**$568,132**	**$549,061**	**$488,239**	**$526,551**	**$562,231**	**$714,763**		**$6,962,419**

Ramona Municipal Water District
Tax and Late Charge Revenue Sources
Fiscal Year 2023-2024

Description	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Total
1% Property Tax	$ 129,291.70	$ 47,185.75	$ 102,022.73	$ 340,456.26	$ 2,752,673.11	$ 152,789.07	$ 162,858.60	$ 175,322.75	$ 2,143,106.30	$ 190,065.79	$ -	$ 6,195,772.06
Park Improv Dist.	$ 3,047.23	$ 1,112.12	$ 2,404.48	$ 8,024.06	$ 64,920.34	$ 28,898.18	$ 5,066.24	$ 5,478.89	$ 65,908.04	$ 5,935.67	$ -	$ 190,795.25
San Vicente Availability	$ -	$ -	$ -	$ 837.00	$ 4,770.00	$ 14,325.00	$ 670.00	$ 908.06	$ 15,143.74	$ 439.59	$ -	$ 37,093.39
San Vicente EDU	$ -	$ -	$ -	$ 93,246.57	$ 320,562.19	$ 1,113,192.88	$ 48,156.94	$ 69,451.12	$ 1,176,543.12	$ 32,483.79	$ -	$ 2,853,636.61
Santa Maria EDU	$ -	$ -	$ -	$ 76,015.12	$ 711,214.41	$ 1,152,797.65	$ 41,829.72	$ 104,869.89	$ 1,285,489.19	$ 111,561.85	$ -	$ 3,483,777.83
Delinquent Water Charge	$ -	$ -	$ -	$ -	$ 1,036.09	$ 4,850.48	$ 389.46	$ 16.41	$ 3,926.49	$ 211.14	$ -	$ 10,430.07
Total	$ 132,338.93	$ 48,297.87	$ 104,427.21	$ 518,579.01	$ 3,855,176.14	$ 2,466,853.26	$ 258,970.96	$ 356,047.12	$ 4,690,116.88	$ 340,697.83	$ -	$ 12,771,505.21
2022-2023 Total	$ 111,803.11	$ 51,556.62	$ 121,984.55	$ 536,904.07	$ 3,827,345.30	$ 3,314,422.20	$ 415,448.19	$ 321,443.68	$ 4,787,448.48	$ 747,213.20	$ 320,496.17	$ 14,556,065.57
2021-2022 Total	$ 76,517.87	$ 51,670.70	$ 70,436.86	$ 642,051.68	$ 3,345,155.42	$ 3,395,508.33	$ 470,124.89	$ 348,301.30	$ 4,626,812.04	$ 578,641.58	$ 274,283.31	$ 13,879,503.98

Fiscal Year Tax Revenue Trend
(excluding Fire)



* Fire & paramedic services were transferred to the San Diego County Fire Protection District on Aug. 1, 2022. Tax revenues for this activity have been excluded from FY 2022 and FY 2023 to be comparative to FY 2024.

RAMONA MUNICIPAL WATER DISTRICT
SALARIES AND WAGES
As of May 31, 2024 (24 of 26 payperiods)

		Headcount	Annual Budget	YTD Budget	YTD Expense	Under (Over)	% Under % -Over
General Fund							
General Manager Department							
	Salaries and Wages		$ 245,050	$ 226,200	$ 278,739	$ (52,539)	-23.23%
	Benefits		223,253	206,080	106,281	99,799	48.43%
	Total Department	*2.00*	468,303	432,280	385,019	47,261	10.93%
Finance Department							
	Salaries and Wages		1,053,397	972,366	874,576	97,790	10.06%
	Benefits		704,422	650,236	530,167	120,069	18.47%
	Total Department	*10.50*	1,757,819	1,622,602	1,404,743	217,859	13.43%
Admin Services Department							
	Salaries and Wages		646,397	596,674	598,676	(2,002)	-0.34%
	Benefits		403,405	372,374	384,278	(11,904)	-3.20%
	Total Department	*6.50*	1,049,802	969,048	982,954	(13,906)	-1.44%
Park Fund							
	Salaries and Wages		150,893	139,286	128,811	10,475	7.52%
	Benefits		49,607	45,791	38,468	7,323	15.99%
	Total Department	*2.50*	200,500	185,077	167,279	17,798	9.62%
Water Fund							
	Salaries and Wages		2,209,057	2,039,130	1,716,789	322,341	15.81%
	Benefits		1,527,175	1,409,701	1,271,420	138,281	9.81%
	Total Department	*19.50*	3,736,232	3,448,831	2,988,209	460,622	13.36%
San Vicente Sanitation							
	Salaries and Wages		608,898	562,059	524,438	37,621	6.69%
	Benefits		428,400	395,446	378,068	17,378	4.39%
	Total Department	*5.75*	1,037,298	957,505	902,506	54,999	5.74%
Santa Maria Sanitation							
	Salaries and Wages		704,182	650,014	673,204	(23,190)	-3.57%
	Benefits		460,225	424,823	473,767	(48,944)	-11.52%
	Total Division	*6.75*	1,164,407	1,074,837	1,146,971	(72,134)	-6.71%
Total District							
	Salaries and Wages		5,466,981	5,046,443	4,795,232	380,022	7.53%
	Benefits		3,746,880	3,458,660	3,182,449	314,679	9.10%
	Total District	*53.50*	$ 9,213,861	$ 8,505,103	$ 7,977,682	$ 694,701	8.17%

ATTACHMENT 1

Ramona Municipal Water District
Capital Projects
May 31, 2024

		Project Manager	FY 2022-23 Carry Forward	FY 2023-24 Additions	FY 2023-24 Postponements	FY 2023-24 Transfers	FY 2023-24 Budget	FY 2023-24 Month	FY 2023-24 YTD	FY 2023-24 Available
FUND 43	**Water Capital Improvement Projects**									
51261	Pressure Reducing Valve (PRV)	RS/JL	$ -	$ 125,000	$ -	$ -	$ 125,000	$ -	$ 72,705	$ 52,295
51264	Pump Station Electric Control Center "MCC" Rehab	JL	70,685	100,000	-	-	170,685	-	-	170,685
51270	Above Ground Gasoline and Diesel Storage Tanks	RS/JL	182,998	-	-	32,160	215,159	-	215,159	-
51272	Chavez Pipeline Loop	MM	561,071	-	(561,071)	-	-	-	-	-
51273	Snows Zone Pipeline Loop	MM	550,080	-	(550,080)	-	-	-	-	-
51274	Treated Water Tank *	MM	1,370,698	-	(1,370,698)	-	-	-	-	-
51275	Poway #3 Pump and Pump Head	JL	100,000	-	-	-	100,000	-	-	100,000
51276	2 - Ammonia Monochloramine Analyzer	JL	11,577	-	-	-	11,577	-	-	11,577
51277	HACH Water Quality Data Base	JL	41,500	-	-	-	41,500	-	22,750	18,750
51278	Water Asset Management System Hardware & Software	JL	123,839	-	-	(32,160)	91,678	-	42,502	49,176
51279	New Warehouse Design	JL	50,220	-	-	-	50,220	-	-	50,220
	Ramona Dam Slide Gate Control Panel		-	100,000	(100,000)	-	-	-	-	-
			$ 3,062,667	$ 325,000	$ (2,581,848)	$ -	$ 805,819	$ -	$ 353,115	$ 452,704
FUND 26	**General Fund Capital Purchases**									
56020	Facilities - Building Renovation	JS	$ 250,000	$ 20,000	$ -	$ (107,143)	$ 162,857	$ 1,441	$ 76,506	$ 86,350
56025	Computer Replacement	TC/KG	-	-	-	29,143	29,143	-	29,143	-
56026	VHF Two-Way Radio Equipment	RS	-	-	-	78,000	78,000	-	20,374	57,627
			$ 250,000	$ 20,000	$ -	$ -	$ 270,000	$ 1,441	$ 126,023	$ 143,977
FUND 10	**Water Capital Replacement Projects - Energy**									
57021	Poway #3 600 HP Motor	JL	$ 175,000	$ -	$ -	$ -	$ 175,000	$ -	$ -	$ 175,000
			$ 175,000	$ -	$ -	$ -	$ 175,000	$ -	$ -	$ 175,000
FUND 11	**Water Capital Replacements Projects**									
51940A	Infrastructure replacement program	RS/JL	$ 1,679,787	$ 2,000,000	$ -	$ -	$ 3,679,787	$ 27,510	$ 2,124,840	$ 1,554,948
51942	Water meter replacement	JL	-	350,000	-	(200,843)	149,157	-	149,157	-
51949	Tank and Reservoir Rehab Program	RS/JL	394,185	1,500,000	-	-	1,894,185	5,350	915,823	978,361
51952	Freightliner Vactor Truck Payment	JL	17,508	30,500	-	-	48,008	-	30,461	17,547
51952-01	Systems Vehicle - 2023 Chevy Silverado 1500	JL	-			58,938	58,938	-	58,938	-
51953	Poway Pump Station low flow Natural Gas Engines	RS/JL	58,870	-	-	511,200	570,070	-	66,053	504,017
51961	Treated Non-Potable Backflows (Fire Hydrants)	RS/JL	185,000	-	-	(185,000)	-	-	-	-
51962	Poway # 2 Pump Rebuild	JL	7,333	-	-	-	7,333	-	-	7,333
51964	Operations Water System SCADA HMI / Hardware	JL	45,180	-	-	-	45,180	-	38,641	6,539
51965	30 " Pipeline Replacement	RS/JL	81,832	3,100,000	-	-	3,181,832	1,024,566	1,852,583	1,329,249
	Lake Pump Replacement	MM/JL	175,000	-	-	(175,000)	0	-	-	-
51966	Yard Concrete Batch Plant and Tow Mixer		-	52,500	-	(9,295)	43,205	-	-	43,205
			$ 2,644,695	$ 7,033,000	$ -	$ -	$ 9,677,695	$ 1,057,426	$ 5,236,496	$ 4,441,199
FUND 13	**Park Capital Replacement Projects**									
53001	Park Capital Projects	Park	$ -	$ -	$ -	$ 26,990	$ 26,990	$ -	$ 26,990	$ -
53007	Community Center Air Conditioners	Park	14,536	-	-	7,500	22,036	-	21,988	48
53004	SCADA Hardware & Programming	JL	-	100,000	-	(48,000)	52,000	-	50,329	1,671
53002	Arch Flash Study/Motor Control Center	JL	-	100,000	-	(45,000)	55,000	-	19,500	35,500
	Field Lighting - Field 2	Park	-	85,000	-	(53,077)	31,923	-	-	31,923
53005	Source Wells	JL	-	70,000	-	-	70,000	-	26,535	43,465
	Major Use Permit Revision	Park	-	50,000	-	(50,000)	-	-	-	-
53003	Park Condition Assessment	Park	-	-	-	100,000	100,000	-	94,731	5,269
53006	Irrigation Booster Pumps	JL	-	30,000	-	21,065	51,065	24,203	51,065	-
53008	ROCC Improvements	Park	-	-	-	30,000	30,000	-	29,325	675
	Caretaker Space	Park	-	5,000	-	-	5,000	-	-	5,000
53009	Irrigation Improvements	Park	-	-	-	10,000	10,000	-	5,240	4,760
53010	Drinking Fountain **	Park	-	15,000	-	522	15,522	-	15,522	-
			$ 14,536	$ 455,000	$ -	$ -	$ 469,536	$ 24,203	$ 341,225	$ 128,311

* Project designated to be paid for using restricted funds
** Project cost to be reimbursed by MWD thorugh Conservation Incentive Program

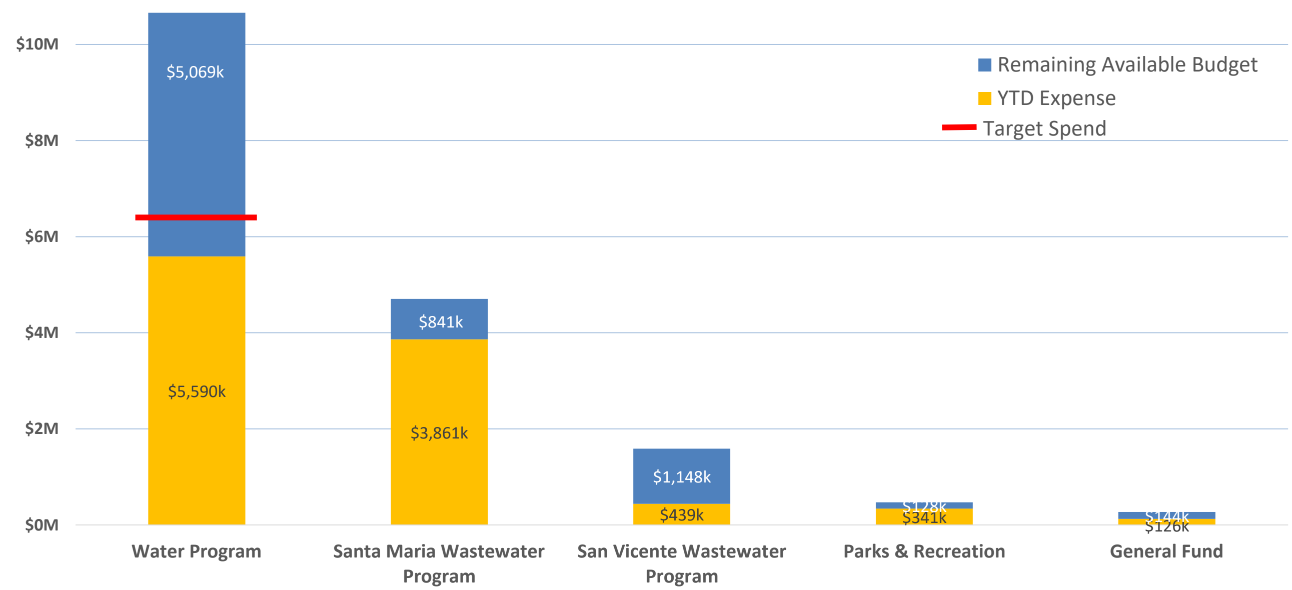
ATTACHMENT 1

		Project Manager	FY 2022-23 Carry Forward	FY 2023-24 Additions	FY 2023-24 Postponements	FY 2023-24 Transfers	FY 2023-24 Budget	FY 2023-24 Month	FY 2023-24 YTD	FY 2023-24 Available
FUND 14	**San Vicente Capital Improvement Projects**									
51470	Above Ground Gasoline and Diesel Storage Tanks	RS/JL	$ 50,000	$ -	$ -	$ -	$ 50,000	$ -	$ 50,000	$ -
51471	Collections Asset Management System	JL	10,000	-	-	-	10,000	-	5,370	4,630
	Sprayfield Storage Building	JA	40,000	-	-	-	40,000	-	-	40,000
	Sludge Storage Area	RS/JA	100,000	-	-	(18,883)	81,117	-	-	81,117
51472	Secondary Splitter Slide Gate	JA	-	-	-	18,883	18,883	7,150	18,883	-
			$ 200,000	$ -	$ -	$ -	$ 200,000	$ 7,150	$ 74,252	$ 125,748
FUND 15	**Santa Maria Capital Improvement Projects**									
51570	Above Ground Gasoline and Diesel Storage Tanks	RS/JL	$ 50,000	$ -	$ -	$ -	$ 50,000	$ -	$ 50,000	$ -
51571	Collections Asset Management System	JL	$ 30,000	$ -	$ -	$ -	30,000	$ -	$ 5,370	24,630
	Wastewater Master Plan		-	-	-	-	-	-	-	-
			$ 80,000	$ -	$ -	$ -	$ 80,000	$ -	$ 55,370	$ 24,630
FUND 22	**San Vicente Capital Replacements Projects**									
	Treatment Plant									
54197	Telemetry - Plant	JA	$ 6,827	$ 10,000	$ -	$ -	$ 16,827	$ -	$ 5,796	$ 11,031
54198	UF & RO membranes	JA	21,986	60,000	-	-	81,986	-	41,221	40,765
54205	Filter media	JA	19,195	25,000	-	-	44,195	4,243	11,403	32,792
54206	Asphalt	JA	1,300	10,000	-	7,133	18,433	-	18,433	-
54212	Solids Handling Study	RS/JA	50,418	-	-	-	50,418	-	14,086	36,332
54218	Sprayfield Maintenance	JA	2,185	20,000	-	-	22,185	-	1,636	20,549
54225	Headworks Rehabilitation	RS/JA	35,670	500,000	-	-	535,670	2,480	63,197	472,473
54226	8" Sprayfield Forcemain Replacement	JA	-	-	-	-	-	-	-	-
	Pond Valve & Pipeline Configuration Design	RS/JA	35,000	-	-	-	35,000	-	-	35,000
54229	Sludge Bed Cover Replacement	JA	-	-	-	140,000	140,000	(818)	112,187	27,813
	John Deere 4066R primary tractor replacement ($78K - 9/12/23 BOD)	JA								
	Collections									
54202	Collection system infrastructure	RS/JL	$ 178,095	$ 200,000	$ -	$ (116,066)	$ 262,030	$ -	$ -	$ 262,030
54213	Collection System Inflow & Infiltration	RS/JL	-	75,000	-	(35,000)	40,000	2,213	21,850	18,150
54214	Manhole rehab	RS/JL	-	30,000	-	(15,000)	15,000	-	-	15,000
54216	Freightliner Vactor Truck Payment	JS	169	45,000	-	-	45,169	-	44,969	200
54228	Collections Vehicle - 2023 Chevy Silverado 1500		-	-	-	30,183	30,183	-	30,183	-
	Collections CCTV Camera and Transponder Equipment	JL	50,000	-	-	-	50,000	-	-	50,000
	Yard Concrete Batch Plant and Tow Mixer		-	11,250		(11,250)	-			-
			$ 400,845	$ 986,250	$ -	$ -	$ 1,387,095	$ 8,117	$ 364,959	$ 1,022,136
FUND 25	**Santa Maria Capital Replacements Projects**									
	Treatment Plant									
55247	Telemetry - Plant	JC	$ 6,009	$ 10,000	$ -	$ (16,009)	$ -	$ -	$ -	$ -
55252	Spray field fence replacement	JC	4,446	10,000	-	(9,452)	4,994	4,994	4,994	-
55253	Asphalt repair	JC	300	10,000	-	329	10,629	-	10,629	-
55255	SM Sprayfield maintenance	JC	5,092	20,000	-	42,650	67,742	1,018	27,292	40,450
55256	Effluent Transmission Pipe	RS/JC	1,512,979	-	-	1,161,036	2,674,015	56,988	2,609,572	64,443
55264	Influent pump station/Screening and Grit Removal	RS/JC	1,927,000	-	-	(333,713)	1,593,287	5,804	881,438	711,848
55279	Wastewater Vehicle - 2023 Chevy Colorado		-	-	-	42,291	42,291	-	42,291	-
55281	Centrifuge Polymaster Chemical Blending Mixer	JC	15,000	-	-	(3,370)	11,630	-	11,630	-
55285	SM Sprayfield ATV	JC	-	-	-	15,468	15,468	-	15,468	-
55286	Drive Unit for Clarifier #1	JC	-	-	-	32,291	32,291	-	32,291	-
55287	Centrifuge Rebuild Project	JC	-	-	-	-	-	-	-	-
55288	Sprayfield Pumps and Motors	JC	-	-	-	-	-	-	-	-
	Collections									
55244	SM Collection system infrastructure	RS/JL	$ 125,241	$ 250,000	$ -	$ (375,241)	$ -	$ -	$ -	-
55268	Freightliner Vactor Truck Payment	JS	169	45,000	-	(200)	44,969	-	44,969	-
55273	Collection System Inflow & Infiltration	RS/JL	170	125,000	-	(102,420)	22,750	2,213	22,750	-
55275	Manhole rehab	RS/JL	-	30,000	-	(30,000)	-	-	-	-
55280	Emergency Backup Power Generator	JL	75,000	-	-	(2,592)	72,408	-	72,408	-
55284	Collections Vehicle - 2023 Chevy Silverado 1500		-	-	-	30,183	30,183	-	30,183	-
	Relocation of 21" Main	JL	50,000	350,000	-	(400,000)	-	-	-	-
	Collections CCTV Camera and Transponder Equipment	JL	40,000	-	-	(40,000)	-	-	-	-
	Yard Concrete Batch Plant and Tow Mixer		-	11,250	-	(11,250)	-	-	-	-
			$ 3,761,406	$ 861,250	$ -	$ -	$ 4,622,656	$ 71,017	$ 3,805,915	$ 816,742
	Total of all Projects		**$ 10,589,149**	**$ 9,680,500**	**$ (2,581,848)**	**$ -**	**$ 17,687,801**	**$ 1,169,354**	**$ 10,357,356**	**$ 7,330,446**

ATTACHMENT 1

Ramona Municipal Water District
Capital Projects
May 31, 2024

Summary	Project Manager	FY 2022-23 Carry Forward	FY 2023-24 Additions	FY 2023-24 Postponements	FY 2023-24 Transfers	FY 2023-24 Budget	FY 2023-24 Month	FY 2023-24 YTD	FY 2023-24 Available
Water Program		$ 5,882,362	$ 7,358,000	$ (2,581,848)	$ -	$ 10,658,514	$ 1,057,426	$ 5,589,612	$ 5,068,903
Santa Maria Wastewater Program		3,841,406	861,250	-	-	4,702,656	71,017	3,861,284	841,372
San Vicente Wastewater Program		600,845	986,250	-	-	1,587,095	15,267	439,211	1,147,883
Parks & Recreation		14,536	455,000	-	-	469,536	24,203	341,225	128,311
General Fund		250,000	20,000	-	-	270,000	1,441	126,023	143,977
Total Capital Projects		$ 10,589,149	$ 9,680,500	$ (2,581,848)	$ -	$ 17,687,801	$ 1,169,354	$ 10,357,356	$ 7,330,446



RAMONA MUNICIPAL WATER DISTRICT
STATEMENT OF CASH AND INVESTMENTS
MAY 31, 2024

		BEGINNING BALANCE		ACTIVITY		ENDING BALANCE
CASH AND INVESTMENTS BY ACCOUNT						
California Asset Management Program[1]	$	42,818,641	$	(1,809,339)	$	41,009,303
Local Agency Investment Funds[1]		1,033,319		-		1,033,319
General Checking		649,496		211,111		860,607
TOTAL CASH AND INVESTMENTS	**$**	**44,501,456**	**$**	**(1,598,228)**	**$**	**42,903,228**
CASH AND INVESTMENTS BY FUND						
OPERATING FUNDS						
01 Water Fund	$	7,021,109	$	(788,834)	$	6,232,275
03 Park Fund		181,209		(11,084)		170,124
04 Sewer - San Vicente		3,200,338		(193,406)		3,006,932
05 Sewer - Santa Maria		3,567,058		(162,016)		3,405,042
06 General Fund		3,756,709		2,980		3,759,689
Total Operating Funds		**17,726,423**		**(1,152,361)**		**16,574,062**
DEBT SERVICE FUNDS						
51 Water Debt Service		1,029,526		20,157		1,049,684
Total Debt Service Funds		**1,029,526**		**20,157**		**1,049,684**
CAPITAL PROJECTS & EQUIPMENT						
10 Cap. Replacement - Energy		1,189,857		5,194		1,195,051
11 Cap. Replacement - Water		9,934,255		(638,603)		9,295,652
13 Cap. Replacement - Park		240,793		(35,692)		205,101
14 Cap. Improvement - San Vicente		454,647		(5,166)		449,481
15 Cap. Improvement - Santa Maria		2,678,280		11,692		2,689,971
22 Cap. Replacement - San Vicente		3,274,962		88,499		3,363,460
25 Cap. Replacement - Santa Maria		2,425,735		43,607		2,469,342
26 Cap. Improvement - General Fund		653,446		1,411		654,857
43 Cap. Improvement - Water		4,893,533		63,034		4,956,567
Total Cap Proj & Equip	**$**	**25,745,507**	**$**	**(466,025)**	**$**	**25,279,482**
TOTAL CASH AND INVESTMENTS BY FUND	**$**	**44,501,456**	**$**	**(1,598,228)**	**$**	**42,903,228**

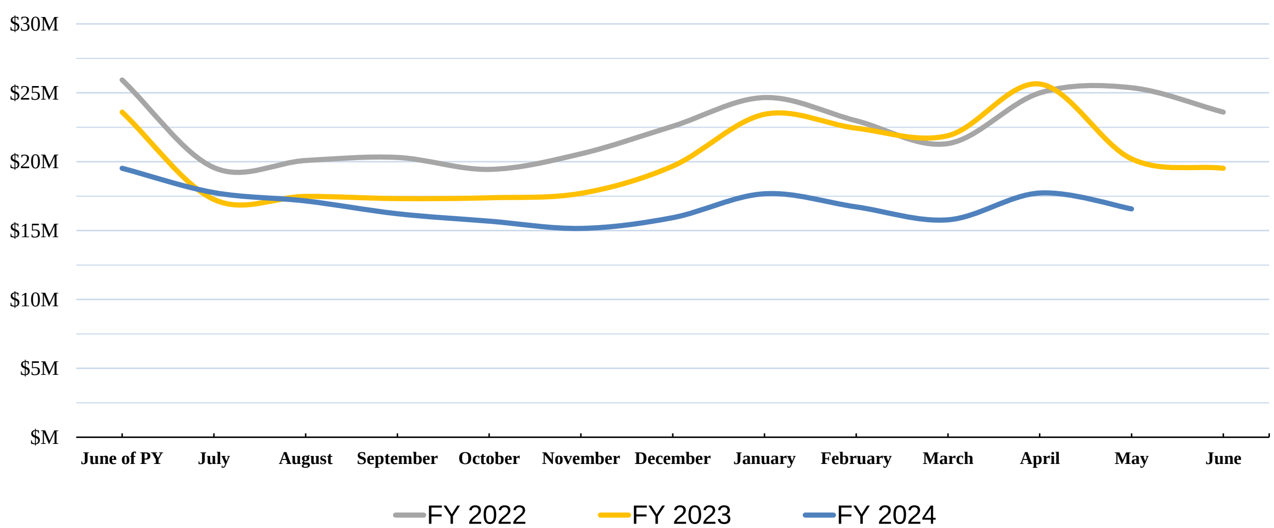
[1]LAIF and CAMP Balances reported at Fair Market Value
All investments are in compliance with the Ramona Municipal Water District Investment Policy.

CASH BALANCE TRENDS

ATTACHMENT 1

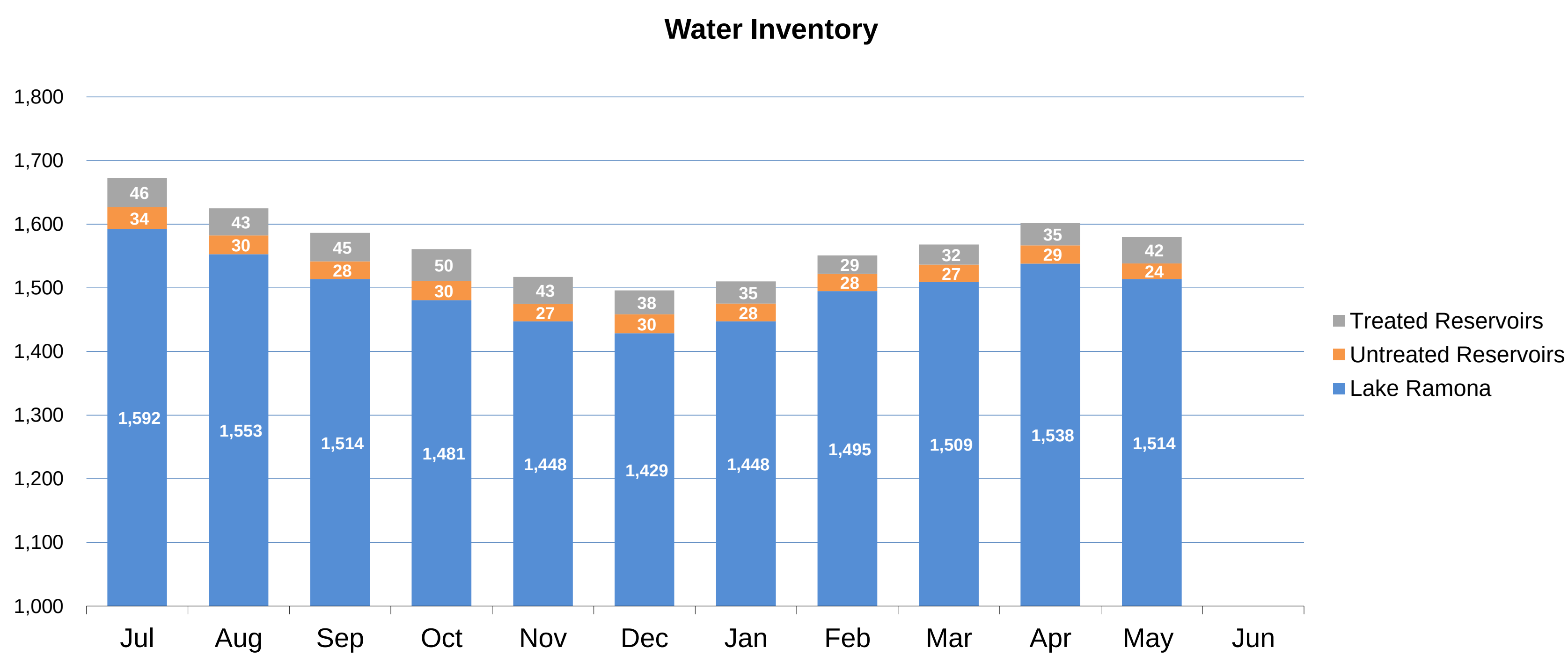
	June of PY	July	August	September	October	November	December	January	February	March	April	May	June
2023-24 Fiscal Year													
Operating	$ 19,523,300	$ 17,757,114	$ 17,150,949	$ 16,222,565	$ 15,684,269	$ 15,158,643	$ 15,937,507	$ 17,672,140	$ 16,718,890	$ 15,780,979	$ 17,726,423	$ 16,574,062	
Debt Service	880,979	884,474	898,773	558,364	569,203	599,674	829,474	845,666	862,576	849,428	1,029,526	1,049,684	
Capital	26,133,224	25,440,495	24,300,731	22,914,601	22,806,650	22,351,335	24,463,350	24,411,056	24,521,340	24,883,298	25,745,507	25,279,482	
Total	$ 46,537,504	$ 44,082,083	$ 42,350,452	$ 39,695,529	$ 39,060,121	$ 38,109,651	$ 41,230,330	$ 42,928,862	$ 42,102,806	$ 41,513,706	$ 44,501,456	$ 42,903,228	
2022-23 Fiscal Year													
Operating	$ 23,598,701	$ 17,258,259	$ 17,481,453	$ 17,322,570	$ 17,382,028	$ 17,701,803	$ 19,677,355	$ 23,439,954	$ 22,433,088	$ 21,890,193	$ 25,638,289	$ 20,206,147	$ 19,523,300
Debt Service	915,598	907,752	912,176	569,887	574,521	588,315	695,713	744,210	757,459	742,179	840,283	862,995	880,979
Capital	25,107,898	27,537,464	26,379,586	25,757,522	25,427,777	24,925,407	26,070,795	26,095,146	25,362,495	25,247,122	25,619,739	26,626,903	26,133,224
Total	$ 49,622,196	$ 45,703,476	$ 44,773,215	$ 43,649,979	$ 43,384,326	$ 43,215,525	$ 46,443,864	$ 50,279,310	$ 48,553,042	$ 47,879,495	$ 52,098,311	$ 47,696,045	$ 46,537,504
2021-22 Fiscal Year													
Operating	$ 25,930,520	$ 19,572,125	$ 20,086,308	$ 20,309,169	$ 19,442,088	$ 20,573,320	$ 22,572,610	$ 24,656,044	$ 22,970,101	$ 21,315,692	$ 24,988,851	$ 25,366,695	$ 23,598,701
Debt Service	902,507	902,507	906,499	571,977	575,652	596,226	717,852	781,476	797,490	767,908	885,445	904,775	915,598
Capital	22,591,305	26,559,713	26,391,993	25,652,834	25,437,146	25,399,849	25,400,513	25,892,263	25,738,425	26,106,990	27,039,084	25,805,486	25,107,898
Total	$ 49,424,332	$ 47,034,345	$ 47,384,800	$ 46,533,981	$ 45,454,886	$ 46,569,395	$ 48,690,975	$ 51,329,783	$ 49,506,016	$ 48,190,590	$ 52,913,379	$ 52,076,956	$ 49,622,196
2020-21 Fiscal Year													
Operating	$ 22,308,228	$ 18,826,899	$ 18,864,465	$ 18,923,593	$ 18,862,816	$ 19,933,978	$ 22,219,637	$ 24,164,357	$ 23,326,583	$ 22,845,187	$ 23,816,157	$ 25,343,298	$ 25,930,520
Debt Service	854,958	854,958	860,826	533,321	541,741	566,132	697,788	757,922	773,601	741,294	836,472	890,087	902,507
Capital	22,745,902	23,894,579	23,747,785	23,791,673	23,610,762	23,283,680	24,526,743	24,541,367	24,567,320	24,217,246	23,373,753	23,072,194	22,591,305
Total	$ 45,909,087	$ 43,576,435	$ 43,473,076	$ 43,248,587	$ 43,015,319	$ 43,783,790	$ 47,444,168	$ 49,463,646	$ 48,667,505	$ 47,803,727	$ 48,026,382	$ 49,305,579	$ 49,424,332

Operating Cash Balance Trends



RAMONA MUNICIPAL WATER DISTRICT
WATER INVENTORY
May 31, 2024

	BEGINNING INVENTORY			ACTIVITY FOR MONTH INVENTORY INCREASE / (USAGE)		ENDING INVENTORY		
	acre feet	cost/acre ft	total value	acre feet	total value	acre feet	cost/acre ft	total value
Lake Ramona	1,538	$ 1,445	$ 2,223,000	(24)	$ (29,621)	1,514	$ 1,449	$ 2,193,379
Reservoirs								
Untreated	29	$ 1,537	$ 44,107	(4)	$ (6,255)	24	$ 1,560	$ 37,851
Treated	35	$ 2,062	$ 71,415	7	$ 15,420	42	$ 2,081	$ 86,836
Total Reservoirs	63	$ 1,824	$ 115,522	3	$ 9,165	66	$ 1,890	$ 124,687
Total Water Inventory	**1,602**	$ 1,460	**$ 2,338,522**	**(22)**	**$ (20,456)**	**1,580**	$ 1,467	**$ 2,318,066**



RAMONA MUNICIPAL WATER DISTRICT

AGENDA MEMO

Agenda Item No. B.1.c.
Regular Board Meeting of July 9, 2024

Jim Hickle, President
and Members of the Board of Directors
Ramona, CA 92065

RE: DISCUSSION AND POSSIBLE ACTION TO ADOPT AN ORDINANCE TO CONTINUE SEWER AVAILABILITY CHARGES FOR PROPERTY IN THE SAN VICENTE SEWER SERVICE AREA FOR FISCAL YEAR 2024-25

Members of the Board:

Purpose
To adopt an Ordinance to continue sewer availability charges for property in the San Vicente Sewer Service Area for fiscal year 2024-25.

Background
Sections 71674, 71630, and 71632 of the California Water Code authorize the Board of Directors to continue sewer availability charges on property within the San Vicente Sewer Service Area whether the sewer service is actually used or not. The Water Code authorizes the Board of Directors to continue a sewer availability charge not to exceed ten dollars ($10.00) per acre per year for land on which the charge is levied or ten dollars ($10.00) per year for a parcel less than an acre.

Discussion
It is proposed that the sewer availability charges be continued for fiscal year 2024-25.

Fiscal Impact
Annual revenues of approximately $39,500 are anticipated from the continuation of this charge, and those revenues are included in the Adopted FY2024/25 Budget. Funds will be deposited into the San Vicente Sewer Operations Fund 04 for use within the San Vicente Sewer Service Area.

Recommendation
Staff respectfully recommends that the Board adopt an Ordinance to continue sewer availability charges for property in the San Vicente Sewer Service Area for fiscal year 2024-25.

Prepared by:	Janeen Myers, Accounting Supervisor
Reviewed by:	Joe Spence, Chief Financial Officer
Submitted by:	Erica Wolski, General Manager

ATTACHMENTS:

Attachment 1	Proposed Ordinance	B.1.c. Page 3-5

ORDINANCE NO. 24-484

ORDINANCE OF THE BOARD OF DIRECTORS OF THE RAMONA MUNICIPAL WATER DISTRICT TO CONTINUE SEWER AVAILABILITY CHARGES FOR PROPERTY IN THE SAN VICENTE SEWER SERVICE AREA FOR FISCAL YEAR 2024-25

WHEREAS, the Ramona Municipal Water District ("District") is organized and operates pursuant to the Municipal Water District Law of 1911 commencing with Section 71000 of the California Water Code; and

WHEREAS, the District has heretofore constructed sewer systems within its boundaries and by reason of the construction, sewer services are now available to land within the San Vicente Sewer Service Area and said sewer system is a benefit to all land within the boundaries of the San Vicente Sewer Service Area; and

WHEREAS, Sections 71674 and 71630 of the California Water Code authorize the Board of Directors to establish sewer availability charges on property within the San Vicente Sewer Service Area whether the sewer service is actually used or not; and

WHEREAS, Sections 71674 and 71631 of the California Water Code authorize the Board of Directors to establish a sewer availability charge not to exceed ten dollars ($10.00) per acre per year for land on which the charge is levied or ten dollars ($10.00) per year for a parcel less than an acre; and

WHEREAS, the District previously set the sewer availability charge in compliance with applicable law and this Ordinance continues the previously established charge; and

WHEREAS, it is determined to be in the best interests of the inhabitants, landowners, customers and taxpayers of the San Vicente Sewer Service Area that sewer availability charges be continued for all lands lying within the San Vicente Sewer Service Area, for District capital improvements and maintenance and operation for San Vicente Sewer Service Area facilities.

NOW, THEREFORE, be it ordained by the Board of Directors of the Ramona Municipal Water District as follows:

Section 1. The matters set forth in the recitals to this Ordinance are true and correct statements.

Section 2. The sewer availability charge for each separately assessed parcel of land within the San Vicente Sewer Service Area for fiscal year 2024-25 shall be continued at ten dollars ($10.00) per acre per year or ten dollars ($10.00) per year for a parcel of land less than one acre.

Section 3. The sewer availability charge shall be fixed in the amounts set forth for parcels of land within the San Vicente Sewer Service Area as shown upon the assessment rolls of the County Assessor of San Diego County and shall be payable by the property owner thereof and shall be collected in the same form and manner as County taxes are collected and shall be paid to the District.

Section 4. The sewer availability assessment rate and methodology applied in this Ordinance are the same as that previously established; the charges assessed herein are a reassessment of the sewer availability charges assessed, in place and in existence on November 6, 1996; and the District complied with applicable adoption procedures at the time the charge was established.

Section 5. In accordance with procedures specified by the County of San Diego, the District will provide the County a file which includes the parcel numbers for parcels subject to the sewer availability charge for fiscal year 2024-25.

Section 6. The Board of Directors finds that the sewer availability charge continued by this Ordinance is for the purpose of obtaining funds for capital projects and maintenance and operation for San Vicente Sewer Service Area facilities.

Section 7. The continuation of the sewer availability charge is not subject to the California Environmental Quality Act (CEQA).

Section 8. The Board of Directors of the Ramona Municipal Water District heard and considered all objections or protests, if any, to the fixing and continuation of a sewer availability charge for the San Vicente Sewer Service Area.

Section 9. Pursuant to Sections 71674 and 71635 of the Water Code, the Board hereby directs that, at the time and in the manner required by law for the levying of taxes for county purposes, the San Diego County Board of Supervisors shall levy, in addition to any other tax it levies, the sewer availability charges in the amounts for the respective parcels fixed by this Board, and pursuant to Section 71636 of the Water Code, all county officers charged with the duty of collecting taxes shall collect the sewer availability charges of the San Vicente Sewer Service Area with the regular tax payments to the county. Said charges shall be collected in the same form and manner as county taxes are collected, and shall be paid to the Ramona Municipal Water District.

Section 10. If any paragraph of this Ordinance is found to be unenforceable or contrary to law, the remaining provisions shall remain in full force and effect.

Section 11. This Ordinance shall become effective upon its adoption.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Ramona Municipal Water District held July 9, 2024, by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

____
Jim Hickle
President, Board of Directors
Ramona Municipal Water District

ATTEST:

____
Jim Piva
Secretary, Board of Directors
Ramona Municipal Water District

RAMONA MUNICIPAL WATER DISTRICT

AGENDA MEMO

Agenda Item No. B.1.d.
Regular Board Meeting of July 9, 2024

Jim Hickle, President
and Members of the Board of Directors
Ramona, CA 92065

RE: ADOPTION OF A RESOLUTION TO COLLECT DELINQUENT WATER CHARGES BY PLACEMENT ON THE SAN DIEGO COUNTY PROPERTY TAX ROLLS

Members of the Board:

Purpose
To adopt a resolution to collect delinquent water charges by placement on the San Diego County property tax rolls.

Background
Under the California Water Code, the District may collect delinquent water charges by placement on the San Diego County property tax rolls.

Discussion
The delinquent water accountholders listed on Attachment 1 have been notified that if the accounts are still delinquent as of June 30, 2024, the delinquent charges will be placed on the property tax rolls for collection. Placing these delinquent accounts on the property tax rolls provides significant savings for District ratepayers, avoiding extensive collection efforts, and providing a supplemental mechanism for collection of past due amounts for water consumed.

Fiscal Impact
If approved, delinquent water charges of $19,710.38, will be placed on the property tax rolls, pending actual delinquencies paid in full by the noted June 30, 2024 deadline.

Recommendation
Staff respectfully recommends that the Board adopt a Resolution to collect delinquent water charges by placing them on the San Diego County property tax rolls.

Prepared by: Janeen Myers, Accounting Supervisor

Reviewed by:	Joe Spence, Chief Financial Officer
Submitted by:	Erica Wolski, General Manager

ATTACHMENTS:

RESOLUTION NO. 24-1606

RESOLUTION OF THE BOARD OF DIRECTORS OF RAMONA MUNICIPAL WATER DISTRICT AUTHORIZING COLLECTION OF DELINQUENT WATER CHARGES BY THE COUNTY TAX COLLECTOR PURSUANT TO CALIFORNIA GOVERNMENT CODE SECTIONS 50075 ET SEQ., AND CALIFORNIA WATER CODE SECTIONS 71614, 71670, 72090.5, 72094, 72100, 72102.

WHEREAS, the Ramona Municipal Water District is authorized to fix rates for water services, pursuant to California Water Code Section 71614; and

WHEREAS, certain District customers have delinquent unpaid charges for water and other services, which remain unpaid for sixty (60) days or more as of June 30 of this year, and the Board of Directors of the Ramona Municipal Water District, pursuant to California Water Code Sections 72094 and 72100, desires to place said delinquent charges for water and other services on the San Diego County Secured Property Tax Roll;

NOW, THEREFORE, BE IT RESOLVED, ORDERED AND DETERMINED by the Board of Directors of the RAMONA MUNICIPAL WATER DISTRICT as follows:

1. The recitals set forth hereinabove are true.

2. The delinquent and unpaid charges for water and other services, which remain unpaid for sixty (60) days or more as of June 30 of this year, shall be as specified in Exhibit “A”, attached hereto and made a part hereof.

3. Pursuant to California Government Code Section 50075, California Water Code Sections 72094 and 72100, the delinquent charges for water and other services shall be collected in the same manner as ordinary ad valorem property taxes are collected and shall be subject to the same penalties and the same procedure, sale, and lien priority in case of delinquency as is provided for ad valorem taxes. The tax collector may deduct the reasonable administrative costs incurred in collecting the delinquent charges and the special tax, and shall pay the remainder to the Ramona Municipal Water District.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Ramona Municipal Water District held on the 9th day of July 2024.

____
Jim Hickle
President, Board of Directors
Ramona Municipal Water District

ATTEST:

____
Jim Piva
Secretary, Board of Directors
Ramona Municipal Water District

Exhibit A

Ramona

Delinquent Water Charges

Tax Year 2024/2025

Parcel Number	Account Number	Asessment
2821304500	05-02450-01	291.84
2812631600	01-04300-02	503.98
2815704400	02-00250-03	503.98
2842311600	02-02150-01	503.98
2842440400	04-02650-01	503.98
2812510500	02-50250-01	504.00
2842120100	03-04140-01	504.00
2813720200	03-05060-01	504.00
2823311600	05-05100-02	627.48
2814843200	11-03460-02	507.82
2815401700	07-00230-01	507.82
2810833400	06-00850-01	510.16
2810810600	06-05980-00	673.24
2870111200	12-04300-03	180.58
2851100900	21-01700-01	262.74
2870701700	12-04100-01	546.28
2831014000	22-00600-02	546.28
2814903800	12-04900-01	546.28
2830551300	24-02900-01	546.28
2840705000	12-03400-01	842.80
2830412000	33-00400-02	503.98
2820401200	31-01730-01	504.14
2886141800	68-02515-01	612.54
2886210100	68-02540-05	686.48
2883513100	88-06100-01	503.98
2884120200	82-06350-03	504.00
2770423000	98-93500-02	338.78
2771501500	98-88180-02	482.80
2770911900	98-94865-01	511.68
2771500100	98-88000-01	511.70
2770304700	98-88100-02	511.70
2770423100	98-93400-02	789.42
2760221800	98-68700-01	789.42
2771005100	98-51200-01	2342.24

Total Parcels	34
Total Assessed	$19,710.38

RAMONA MUNICIPAL WATER DISTRICT

AGENDA MEMO

Agenda Item No. F.1.
Regular Board Meeting of July 9, 2024

Jim Hickle, President
and Members of the Board of Directors
Ramona, CA 92065

RE: INFORMATIONAL UPDATE ON SEWER CAPACITY AT SANTA MARIA AND SAN VICENTE WATER RECLAMATION PLANTS

Members of the Board:

Purpose

To provide the Board of Directors an update on available sewer capacity at the Santa Maria and San Vicente Water Reclamation Plants (WRPs), present an option for redefining the value of an equivalent dwelling unit (EDU) for both sewer service areas, and discuss the path forward.

Background

An Equivalent Dwelling Unit (EDU) is a unit of measure that is based on the flow characteristics of an average single-family residence in terms of sewage quantity and constituent quality. EDUs measure flow and essentially serve as a benchmark by which all other customer classifications are proportionally relative. The District's Legislative Code currently defines a sewer equivalent dwelling unit (EDU) as 200 gallons per day (gpd) with an associated strength of 200 milligrams per liter (mg/L) biological oxygen demand (BOD) and 200 mg/L total suspended solids (TSS).

The Santa Maria Water Reclamation Plant (WRP) has a permitted capacity of 1.0 million gallons per day (MGD), which at 200 gpd is equal to 5,000 EDUs. The San Vicente WRP has a permitted capacity of 0.8 MGD, which is equivalent to 4,000 EDUs. In February 2024, District staff provided an update on available sewer capacity as part of the Board discussion on accessory dwelling units (ADUs). At both plants, 96-98% of the EDUs are reserved or sold; however, the average daily flow compared to the permitted capacity of each plant is only 63%. This indicates that the District likely has additional capacity to accept new connections if the value of an EDU is rerated and the plant can handle the resulting increase in wastewater strength.

In June 2024, Dudek finalized its report after review by wastewater staff and the General Manager that evaluated whether the value of an EDU could be rerated on what the potential impacts on the

WRPs would be. This report is included as Attachment 1: EDU Criteria and Planning Study: Santa Maria WRP and San Vicente WRP.

Discussion

A presentation will be provided to facilitate the discussion on the results of the June 2024 report. The study's recommendation is to rerate the value of a sewer EDU for both plants from 200 gpd to 150 gpd. This will increase the number of available EDUs at the Santa Maria WRP from the available 199 to 1,866 EDUs and at the San Vicente WRP from 90 to 1,422 EDUs. However, there are limitations at both plants from accepting the full number of EDUs after rerating. These include:

Santa Maria WRP

- Limited to 501 EDUs without plant modifications
- Modifications required:
    - Additional aeration basin capacity
    - Additional solids handling capacity
    - Continued work on inflow/infiltration to reduce peak flows

San Vicente WRP

- Limited to 389 EDUs without plant modifications
- Plant modifications not recommended as sewer service area is primarily built out and greater than 389 EDUs are not anticipated to be connected

The District will be issuing a Request for Proposals for consultants to complete a Wastewater Master Plan in late summer 2024 and hopes to complete the Wastewater Master Plan by June 30, 2025. The Master Plan will assist the District will selecting the appropriate technologies and path forward on the capacity expansions at the Santa Maria WRP. After the Master Plan is adopted by the Board, the District plans to complete its updated sewer rate study. During the course of the sewer rate study, the District will propose to use the revised EDU values of 150 gpd with updated strength values and will also evaluate whether any changes are needed to the Legislative Code to implement these new values, such as changes to the EDU values assigned to non-residential connections.

Fiscal Impact

No fiscal impact at this time. Fiscal impacts will be evaluated as part of the FY24-25 Wastewater Master Plan and the FY25-26 sewer rate study.

Recommendation

No action requested at this time. Staff request that the Board of Directors review the information provided and provide direction to staff on the information submitted on available sewer capacity and the possibility of rerating the value of a sewer equivalent dwelling unit (EDU) and the proposed path forward.

Prepared and Submitted by: Mike Metts, PE, District Engineer and Erica Wolski, PE, General Manager

ATTACHMENTS:

Attachment 1	June 2024 EDU Criteria and Planning Study – Santa Maria WRP and San Vicente WRP	F.1. Page 4-31

EDU Criteria and Planning Study

Santa Maria WRP and San Vicente WRP

JUNE 2024

Prepared for:

RAMONA MUNICIPAL WATER DISTRICT
105 Earlham Street
Ramona, California 92065
Contact: Erica Wolski, P.E.

Prepared by:

DUDEK

605 Third Street
Encinitas, California 92024
Contact: Michael Metts, P.E.

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TABLES

FIGURE

1 Background

The Ramona Municipal Water District (District) has two water reclamation plants (WRP) that are approaching their capacity limits based on anticipated connections defined as Equivalent Dwelling Units (EDUs). The District's Santa Maria WRP (SMWRP) was designed for 5,000 EDUs and, at the time of this analysis, the District had connected a total of 4,598 EDUs[1] within the SMWRP service area. The District's San Vicente WRP (SVWRP) was designed for 4,000 EDUs and the District has connected 3,838 EDUs[2] within the SVWRP service area. The footnotes define the total EDUs that each plant has reserved or otherwise sold to developers. However, for this analysis, correlation of connected EDUs contributing tributary flow with current plant flow and loading is necessary.

Each WRP is approaching its design capacity in terms tributary EDUs. Tributary EDU counts for the Santa Maria WRP is at 92 percent of capacity and the San Vicente WRP is at 96 percent of capacity. However, the average daily flow (ADF) to each plant is approximately 35 percent below the permitted capacity, which is based on the hydraulic capacity of the two plants. This discrepancy between ADF and connected EDUs suggests that the flow per EDU has decreased, understandably as a result of recent water conservation efforts throughout the State.

The purpose of this study is to understand the discrepancy between actual plant flow and the corresponding tributary EDUs, as well as the remaining capacity of each plant (in terms of additional EDUs and average daily flow). This study also evaluates EDU criteria historically used for planning and development purposes and recommends updates to those criteria by assessing available capacity within each plant on a unit process basis. For example, average daily flow may indicate sufficient hydraulic capacity remaining within each facility to accommodate future infill and new development. However, solids loading and each plant's ability to meet waste discharge requirements may identify that a specific unit process is approaching its solids and/or treatment capacity. Since individual unit processes within each plant have different limitations related to hydraulic capacity, peaking factors, and solids treatment capacity, this study focuses on normalization of each individual process limitation to a common unit of evaluation, the EDU.

The permitted capacity of each plant is based on each WRPs' Waste Discharge Requirements (WDRs), as imposed by the Regional Water Quality Control Board (RWQCB). The WDR requirements are defined based on the influent flow and solids loading provided by the District and the District's ability to meet its discharge limitations. Plant capacities are not defined as a specific number of EDU connections to each WRP. EDUs are used for wastewater planning and sewer billing by many wastewater agencies, comparing all sewer dischargers to a typical single-family home in the community. The hydraulic value of an EDU is subject to change over time as indoor water use patterns change in single-family homes. Many communities have identified that the wastewater flow volume of an EDU is decreasing. However, the strength of a typical EDU is increasing, as the

[1] The District has sold 4,552.59 EDUs in the SMWRP service area. However, there are potentially 44 EDUs reserved for Assessment District 82-1 parcels, 108 "undocumented" EDUs (meaning EDUs in use but for which no record of capacity fees exist), and 96.53 EDUs for the Ramona Unified School District (RUSD) for a total of 4,801.12 EDUs sold, reserved or in use.

[2] The 3,838.13 is the number of EDUs sold; however, there are potentially 48 EDUs reserved for those who have paid sewer availability charges annually since Fiscal Year 1977-78 and there is a potential reservation of 24 EDUs for the two RUSD elementary schools in the service area. This brings the total amount of EDUs at the SVWRP sold, reserved or in use to 3,910.13

waste materials within the flow is not decreased. The District has the ability to evaluate each unit process within each WRP on a flow and solids loading basis and to correlate each unit process to an updated number of EDUs.

By identifying the EDU capacity of each unit process, the District facilitates needed improvement to its treatment facilities to increase the number of additional EDUs that can be connected within the existing regulatory permit limits, avoiding the need for costly broad-brush and costly plant upgrades. Focusing on unit process improvements increases the ability to connect additional EDUs to the plants, without requiring an increase in ADF capacity, thereby avoiding a requirement for a new regulatory permit.

1.1 Objectives

This study accomplishes the following key objectives for the District to assess available capacity at each WRP in terms of connected EDUs and to develop preliminary conclusions and recommendations for each WRP:

1. Update EDU criteria for each District WRP. Hydraulic flow and constituent loading data are analyzed to allow the District to accurately anticipate the flow and loading increases from new connections, which are different than the current planning criteria.
2. Identify EDU capacity by unit-process. Each unit process at the WRPs (i.e., headworks, biological treatment, secondary clarification, and others) capacity are analyzed based on updated EDU criteria to determine EDU capacity.
3. Establish an improvement roadmap for unit process driven by new connections. Whether through infill or new development, the District is able to plan improvements at the unit-process level, allowing the District to accurately accommodate new development within its service area.

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2 EDU Criteria Update

Equivalent Dwelling Unit (EDU) data are used by wastewater service and treatment agencies to monitor, plan, and charge impact and service fees for necessary operation and maintenance of wastewater collection and treatment infastructure. The District last compared its connected EDU count to plant flows for both the Santa Maria WRP (SMWRP) and the San Vicente WRP (SVWRP) as part of its 1998 Sewer Master Plan (SMP). A conservative flow value for an EDU was then defined for planning purposes. The 1998 EDU criteria for SMWRP is summarized in Table 2.1 and the 1998 EDU criteria for SVWRP is summarized in Table 2.2. The District has sold approximately 700 EDUs in the SMWRP service area and 600 EDUs in the SVWRP service area since the 1998 SMP was completed.

Table 2.1. 1998 EDU Criteria – Santa Maria WRP

Item	1998 Nominal Value	1998 EDU Criteria	Plant Design Criteria
Number of Connected EDUs	3,877	n/a	5,000
Influent Average Dry Weather Flow (ADWF)	0.69 MGD	200 gpd/EDU (planned) 178 gpd/EDU (actual)	0.5 MGD upgraded to 1.0 MGD
Influent BOD_5 (concentration)	n/a	n/a	300 mg/L
Influent BOD_5 (mass load)	n/a	n/a	1,250 lb/d @ 0.5 MGD
			2,500 lb/d @ 1.0 MGD

Notes: MGD = million gallons per day, gpd = gallons per day, BOD_5 = biological oxygen demand, n/a = not applicable, mg/L = milligrams per liter, lb/d = pounds per day

Table 2.2. 1998 EDU Criteria – San Vicente WRP

Item	1998 Nominal Value	1998 EDU Criteria	Plant Design Criteria
Number of Connected EDUs	3,157	n/a	4,000
Influent ADWF	0.38 MGD	200 gpd/EDU (planned) 190 gpd/EDU (actual)	0.8 MGD
Influent BOD_5 (concentration)	n/a	n/a	220 mg/L
Influent BOD_5 (mass load)	n/a	n/a	1,468 lb/d @ 0.8 MGD

EDU criteria for SMWRP (in the 1998 SMP) was approved by the District Board at 200 gpd, and was, at that time, acknowledged as a conservative estimate compared to the then actual EDU value of 178 gpd. Likewise, the 1998 EDU criteria for SVWRP (200 gpd/EDU) was a conservative estimation based on the then actual flows experienced by the plant (190 gpd/EDU). The previous study did not identify EDU criteria in terms of BOD concentration or mass loading. The RWQCB last updated the SMWRP WDRs in 2016 and the SVWRP WDRs in 2009.

Identification of an influent BOD_5 mass loading contribution per EDU is important for analyzing each plant's treatment capacity relative to meeting effluent permit requirements. As more EDUs are connected, the additional flow and solids loading change each plant's ability to meet its effluent discharge requirements, even if flows are within the permitted hydraulic capacity. Existing condition and recommended EDU criteria for BOD_5 mass loading are summarized in the following sections.

2.1 Existing Conditions

The following sections summarize influent flows and constituent concentrations for SMWRP and SVWRP.

2.1.1 Santa Maria Water Reclamation Plant

The SMWRP currently treats wastewater discharged from approximately 4,598 EDUs. Table 2.3 summarizes current average daily flow (ADF), maximum month flow (MMF), maximum day, and peak hour flow (PHF) conditions. Influent five-day biochemical oxygen demand (BOD_5) and total suspended solids (TSS) concentrations and loadings are also included.

Table 2.3. Santa Maria WRP Influent Wastewater Flow and Quality Data

Criterion	Unit	Sample Size	Value	Std. Dev.	Design Criteria
ADF	MGD	3,312	0.620	0.094	1.0
MMF	MGD	3,283	0.897	0.058	—
Max Day*	MGD	3,283	1.094		
PHF	MGD	—	5.0**	—	—
BOD_5	mg/L, avg	5	235	161	300
	lb/d, avg	4	1,784	951	2,500
	lb/d, max month	—	—	—	—
TSS	mg/L, avg	5	212	29	250†
	lb/d, avg	4	1,742	517	2,080
	lb/d, max month	—	—	—	—

*Estimated maximum day during dry weather flow based on ADF to maximum day peak factor using 2017-2022 data from SVWRP (see footnote to Table 2.4). The 2016 WDR flow limit is based on a 30-day average dry weather effluent flow limit of 1.0 MGD. As the MMF value is the highest monthly average (including wet weather) in the year and is 0.9 MGD, the plant meets this criterion. ** Historical maximum wet weather flow identified to be 5.0 MGD, peaking factor of 8 applied to ADF. †Design criteria not available. 250 mg/L was used as a typical design TSS for comparison to current TSS values.

While peak hour flow (PHF) data were unavailable for SMWRP, operations staff indicated that peak wet weather flows can reach as high as 5.0 MGD at the SMWRP, yielding an 8:1 peaking factor. Maximum month flow was determined to be 44 percent greater than ADF.

Limited influent water quality data were available for BOD_5 and TSS, and no maximum month loads have been developed specifically for SMWRP. Planning-level loads are further developed in Section 2.2.

2.1.2 San Vicente Wastewater Treatment Plant

The SVWRP currently treats tributary discharges from 3,838 EDUs. Table 2.4 summarizes current average daily flow (ADF), maximum month flow (MMF), and peak hour flow (PHF) conditions at the plant. Influent BOD_5, TSS, and total dissolved solids (TDS) concentrations and loads are also presented.

Table 2.4. San Vicente WRP Influent Wastewater Flow and Quality Data

Criterion	Unit	Sample Size	Value	Std. Dev.	Design Criteria
ADF	MGD	3,285	0.496	0.054	0.80
MMF (30-d average)	MGD	3,256	0.578	0.027	—
Max Day*	MGD	3,256	0.705		
PHF	MGD	—	4.0**	—	—
BOD_5	mg/L, avg	669	282	83	220
	lb/d, avg	237	1,209	261	1,468
	lb/d, max month	53	1,542	161	—
TSS	mg/L, avg	687	343	130	250†
	lb/d, avg	244	1,381	302	1,668
	lb/d, max month	53	1,838	174	—

*Estimated maximum day during dry weather flow based using 2017-2022 data from SVWRP. Only months with less than 1-inch of precipitation were used to calculate the maximum day dry weather flow. ** Historical maximum wet weather flow identified to be 4.0 MGD, peaking factor of 8 applied to ADF. †Design criteria not available. 250 mg/L was used as a typical design TSS for comparison to current TSS values.

While PHF data were unavailable for SVWRP, operations staff indicated that peak wet weather flows can reach as high as 4.0 MGD at the SVWRP, yielding an 8:1 peaking factor. Maximum month flow was determined to be 17 percent greater than ADF.

Influent water quality data were available for BOD_5 and TSS. The samples collected show that the average BOD_5 and TSS are approximately 30 to 40% higher than the plant's design criteria. Maximum month loads for BOD_5 and TSS represent the maximum monthly average of data collected from January 2014 through July 2018. Maximum month BOD_5 loading is 28 percent greater than average daily load.

2.2 Flow and Load Generation Factors

Flow and load generation factors were calculated for each plant by normalizing flows and loads over the number of contributing EDUs. Flow generation factors for SVWRP and SMWRP are similar and differed by less than five percent. As such, flow generation factors from each plant were treated as a single dataset. As the District has not routinely sampled influent water quality, load generation factors for the SMWRP were generally unavailable. Therefore, load generation factors determined from the SVWRP data were applied to the SMWRP.

For future EDU criteria planning and development considerations, Dudek recommends using the average value plus one standard deviation from the current dataset. By using this value, the 90^{th} percentile value, the planning criteria are conservative relative to the average existing conditions. However, this analysis is not overly conservative to the point where future development considerations are impacted by outliers in the data. The 90^{th} percentile value also provides a safety factor to account for the relatively small sample sizes of influent BOD_5 loads.

Table 2.5 includes District-wide generation factors for both flow and load. ADF and MMF generation factors considered flow per EDU data from both plants. A PHF factor of 8:1 has been applied to ADF. The monthly average waste activated sludge (WAS) production generation factor assumes 70 percent of the influent BOD loading is converted to WAS. The planning-level generation factors that will be used to determine available capacities at each

WRP include the calculated average value plus one standard deviation. This value represents the 90th percentile of the available data.

Table 2.5. District-Wide Flow and Load Generation Factors

Criterion	Unit	Value	Std Dev	Recommended Generation Factor
ADF	gpd/EDU	132	18	150
MMF	gpd/EDU	195	11	206
Maximum Day	gpd/EDU		-	213*
PHF	gpd/EDU	1,057	143	1,199
Max Month BOD Load	lb/d/EDU	0.40	0.04	0.44
Max Month TSS Load	lb/d/EDU	0.48	0.05	0.53
Max Month WAS Production	lb/d/EDU	0.53	0.12	0.65

*Based on ratio of ADF to Maximum Day from San Vicente WRP.

The maximum month BOD Load of 0.44 pounds per day per EDU (lb/d/EDU) is less than the design criteria of 0.5 lb/d/EDU for Santa Maria WRP but more than the 0.37 lb/d/EDU for San Vicente WRP. The maximum month TSS load of 0.48 lb/d/EDU is more than the 0.42 lb/d/EDU design criteria for Santa Maria WRP but less than the 0.52 lb/d/EDU for San Vicente WRP. Additional work is needed to characterize the increased strength of the influent flow for BOD and TSS at both plants, especially as the EDU value for commercial applications includes a strength factor. Due to state efforts to reduce indoor water use from the 2023 value of 55 gallons per day per person (gpcd) for indoor use to 47 gpcd in 2025 and 42 gpcd in 2030, the strength of wastewater is anticipated to continue to increase over the next decade.

Table 2.6 summarizes the recommended changes in the value of an EDU at both the SMWRP and SVWRP. It is recommended that the value of an EDU in the District's Legislative Code be reduced from 200 gpd/EDU to 150 gpd/EDU.

Table 2.6. Recommended changes to EDU Factors

Plant	Existing EDU Value (gpd/EDU)	Proposed EDU Value (gpd/EDU)
SMWRP	200	150
SVWRP	200	150

3 Capacity Analysis

This section summarizes individual unit process design and available capacities for each unit process at both SMWRP and SVWRP. Unit process performance is evaluated by analyzing process flow rates and water quality data between January 2014 and January 2023, unless otherwise noted. Design criteria were taken from WRP historical plant record drawing sets.

3.1 Unit Process Capacity

Each WRP is composed of several unit processes, with each unit process having its own relative capacity. Each unit process capacity is evaluated in terms of its design criteria and permitted capacity, defined as follows:

- Design Criteria: capacity of the unit process as defined by the design criteria from the record drawings.
- Permitted Capacity: permitted capacity of the unit process as defined by the WDRs or other specific permit requirements, whereby exceedance of capacity would be a direct violation.

Unit process capacity calculated based on design criteria can be considered a “soft” capacity limit, meaning that exceedance of the engineered design criteria would not necessarily result in a violation or inability of the plant to meet its waste discharge requirements. Process performance, loading rates, operating adjustments, upstream processes, and/or other factors may change the effective capacity of a unit process. Therefore, as capacity based on engineering design criteria is approached, the true operating capacity of the unit process should be studied more carefully to clarify process limitations and identify projects to increase operating capacity.

Unit process capacity calculated based on permitted capacity can be considered a “hard” capacity limit, meaning that exceedance of the permitted value would be a direct violation of the plant WDRs. Depending on the nature of the permit limit, operational adjustments and process performance may or may not be a factor in meeting the permit limit. Therefore, as capacity is compared to permitted limits is approached, the District should carefully evaluate expansion needs and coordinate with the RWQCB to receive a new WDR permit, if needed, to accommodate capacity expansion resulting from new development.

3.2 Available EDU Capacity

To determine the available capacity remaining at a WRP to accommodate new development and connections (EDUs), existing conditions are compared to the design criteria and permitted capacity of each unit process. The available capacity is defined as the design criteria and/or permitted capacity minus the existing conditions. The available *EDU* capacity is the available capacity divided by the recommended generation factors (EDU criteria) established in Table 2.5.

In this analysis, it is assumed the equipment is performing adequately compared to its design criteria without any deficiencies and, therefore, available capacity only considers current load versus design load (i.e., does not consider actual process performance). The District monitors process performance relative to expectation to make certain that capacity is not overstated due to process performance challenges.

Table 3.1 lists individual unit processes at the WRPs and their associated design flow or loading that is analyzed to evaluate their capacities. The listed design flow and loading scenarios must be accommodated by the corresponding unit process. For example, the headworks must have enough capacity to handle the PHF. Equipment within the headworks must have capacity to pump or screen un-equalized peak instantaneous flows. Other processes, like the biological treatment system, must have enough capacity to treat the maximum month BOD loading that enters the WRP in order to meet monthly average discharge permit requirements. Other equipment at the WRPs (e.g., reverse osmosis and mechanical dewatering equipment) is operated intermittently. Their available capacities are based on their percent utilization, or the number of hours available to operate at a designated flow rate within a week.

Table 3.1. District-Wide Flow and Load Generation Factors

Unit Process	Design Flow/Load
Headworks	Peak Hour Flow (PHF)
Equalization Basins	Average Day Flow (ADF)
Biological Treatment	Max Month Load (MML), Max Month Flow (MMF) if after equalization; Maximum Day if before equalization
Secondary Clarifiers	Average Day Flow (ADF) if after equalization, Maximum Day if before equalization
Filtration	Max Month Flow (MMF)
Disinfection	Max Month Flow (MMF)
Reverse Osmosis	Percent Utilization
Solids Digestion and Dewatering	Max Month Load (MML), Average Day Flow (ADF) Percent Utilization

3.3 Santa Maria WRP

The SMWRP provides secondary and tertiary treatment of domestic wastewater generated in downtown Ramona and the surrounding area. The flows from the tributary area are comprised of a mix of residential, commercial, and industrial sewage. Prior to June 2024, primary treatment consists of two grinders, a pump station, and two equalization (EQ) basins. Following the EQ basins, secondary treatment consists of two aeration basins and four secondary clarifiers. Tertiary filtration consists of a flocculation tank, a DynaSand filter, and chlorine disinfection. On-site solids handling processes consist of an aerobic digester, a centrifuge, and drying beds. The SMWRP currently has a 30-day running average dry weather effluent flow (ADWF) limit of 1.0 million gallons per day (MGD) for the secondary treatment processes. The 30-day running ADWF limit for the tertiary processes is 0.35 MGD. Secondary treated effluent produced from the SMWRP is discharged to the District's Rangeland Road spray fields, while tertiary treated effluent is beneficially reused for irrigation at the Mount Woodson Golf Course.

3.3.1 Headworks

The headworks facility for SMWRP has recently completed construction and is operational as of June 2024. The analysis in this section is based on the design criteria for the new headworks. The headworks was designed to convey flows ranging from 1.0 MGD (per WDR permit) to 6.5 MGD (operators observed instantaneous peak wet weather flow). To achieve this, the facility has three screw pumps, (1) 3.5-MGD capacity pump and (2) 1.5-MGD capacity pumps. In addition to the influent screw pumps, the new headworks also consists of a mechanical screen, bar screen and wash compactor, a vortex grit chamber and classifier, a bypass channel with a manual bar rack, and a Parshall flume. Table 3.2 shows the remaining EDU capacity.

Table 3.2. Headworks Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
PHF	gpm	3,472	4,514	-	1,042	1,251 EDU

At PHF (with a historic peaking factor of 8), the available capacity of the headworks is 1,042 gpm. Divided by the PHF recommended generation rate from Table 2.6 of 1,199 gpd per EDU (0.83 gpm per EDU), the available headworks capacity is 1,251 EDUs. This EDU capacity is beyond that currently used to manage tributary flows.

The above analysis is heavily influenced by the historical maximum wet weather flow of 5.0 MGD. The infiltration and inflow (I/I) volume from the Santa Maria collection system overshadows the flow contribution of the connected EDUs. At the current collection system condition, 1,251 EDUs can be connected to match the capacity of the influent pump station. However, reduction of I/I from the collection system will directly increase the number of EDUs that can be connected in the future.

3.3.2 Equalization Basins

SMWRP has an influent equalization basin with a capacity of 2.1 million gallons. At an ADF of 1.0 MGD, there is 50.4 hours of storage. At a maximum day flow of 1.09 MGD, there are 46 hours of storage. Storage for daily dry weather operations is typically in the 4-to-8-hour range. These equalization basins are designed to help equal wet weather flows. The peak hour flow during wet weather can exceed 5.0 MGD and these basins provide storage for approximately 10 hours of wet weather flow at 5.0 MGD. If the District receives multiple days of high precipitation, the wet weather flows can be difficult to manage due to the EQ volume compared to the peak influent flow. However, this is an infrequent occurrence and should not affect the District's ability to add additional connections up to the 1.0 MGD permitted limit for dry weather flow.

Table 3.3. Equalization Basin Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
ADF	hr	81.2	50.4	-	30.8	2,532 EDU

At the current ADF of 0.62 MGD, the equalization basin is able to achieve 81.2 hours of storage, which is approximately 60 percent more storage, in terms of time, than originally designed. Due to this higher storage capacity, the equalization basins have an available EDU capacity of 2,532 EDUs.

3.3.3 Aeration Basins

The SMWRP operates two aeration basins, each with a diameter of 85 feet and side water depth of 13 feet. The combined volume of both basins is 1.1 million gallons (147,500 cubic feet, ft^3). The aeration basins were designed to handle a BOD loading rate of 2,500 lb/d and maintain a hydraulic retention time (HRT) of 26 hours at an MMF of 0.90 MGD. For the purposes of this analysis, the aeration system's performance was not specifically isolated and evaluated, only the HRT and BOD loading criteria were evaluated. Table 3.4 summarizes the loading conditions and capacity in the aeration basins.

Table 3.4. Aeration Basins Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
HRT @ MMF	hr	29.5	26.5	-	3.0	501 EDU
MML BOD	lb BOD /d /1000 ft^3	11.9	16.9	-	5.0	1,676 EDU

Though the basins have the available capacity to treat 1,676 more EDUs in terms of BOD loading, the aeration basins are limited to a remaining capacity of 501 EDUs on an HRT basis. It should be noted that this calculation assumes both aeration basins are online at all times and does not allow one to be taken out of service for maintenance. When the aeration basins are expanded, an N+1 configuration should be designed to allow operations to take an aeration basin out of service when needed for maintenance.

3.3.4 Secondary Clarifiers

Secondary clarification at SMWRP consists of four secondary clarifiers. Two clarifiers are 22-ft diameter, and two clarifiers are 45-ft diameter. Clarifier design is based on surface overflow rate (SOR), or the flow of water through the plan section of the clarifier. The evaluation below (Table 3.5) considers clarifier loading with one of the 45-ft diameter clarifiers out of service (N+1 operation). This is equivalent to a surface area of 2,350 square feet (ft^2).

Table 3.5. Secondary Clarifiers Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
SOR @ ADF	gpd/ft^2	264	425	-	161	2,532 EDU

At the current hydraulic conditions, the available capacity in the clarifiers is 2,532 EDUs.

3.3.5 Tertiary Filtration

The tertiary filtration system consists of a flocculation tank, a DynaSand filter, and chlorine disinfection. The 30-day ADF limit for the tertiary processes is 0.35 MGD. After chlorination, tertiary treated effluent is beneficially reused for irrigation at the Mount Woodson Golf Course Development area. Table 3.6 summarizes the hydraulic loading conditions and current capacity in the tertiary filters.

Table 3.6. Tertiary Filtration Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
MMF	MGD	Not Available	0.35	0.35	N/A	N/A

The tertiary filtration process is a recycled water system designed to provide Title 22 tertiary treated recycled water to the Mt. Woodson golf course. Mt. Woodson is the only connected user to the system, and the tertiary system is designed to provide to satisfy the Mt. Woodson recycled water needs. Additional tertiary treatment would only be required if additional recycled water users are connected to the system, in which case their connection fees would need to cover the cost of capacity expansion of the tertiary filtration process. Therefore, Tertiary Filtration is not applicable to the EDU capacity of the plant nor the ability for the plant to connect additional EDUs.

3.3.6 Disinfection

As part of the tertiary filter plant, chlorine disinfection is completed after a DynaSand filter. According to the WDR, the chlorine disinfection process must provide a chlorine contact time (or CT) value of not less than 450 milligram-minutes per liter at all times with a modal contact time of at least 90 minutes, based on peak dry weather design flow. SMWRP produces tertiary treated recycled water to meet Title 22 standards and is limited to a discharge volume of 0.35 MGD. Table 3.7 summarizes the hydraulic loading conditions and current capacity in the disinfection process.

Table 3.7. Disinfection Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
MMF	MGD	Not Available	0.35	0.35	N/A	N/A

The disinfection process is part of the recycled water system designed to provide Title 22 tertiary treated recycled water to the Mt. Woodson golf course. Mt. Woodson is the only connected user to the system, and the disinfection system is designed to provide sufficient treatment for Mt. Woodson's recycled water needs. Additional disinfection would only be required if additional recycled water users are connected to the system, in which case their connection fees would need to cover the cost of capacity expansion of the disinfection process. Therefore, disinfection is not applicable to the EDU capacity of the plant nor the ability for the plant to connect additional EDUs.

3.3.7 Digestion

Sludge digestion at SMWRP was originally designed to consist of two aerobic digesters, each with a volume of 80,000 gallons and a detention time of 20 days. However, the District currently operates the digesters as aerated sludge holding tanks, not as digesters. Therefore, the digesters / sludge holding tanks are not applicable to the EDU evaluation and not limiting for the plant's ability to accept additional EDUs.

Table 3.8. Digestion Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
SRT @ ADF	Day	Not Available	20	-	Not Available	Not Available

The District only uses the digesters for storage prior to dewatering, and not for digestion. Current biosolid production is approximately 65,000 gallons per week, at a concentration of approximately 1.0 to 1.5 percent. The volume of the two digester tanks is approximately 160,000 gallons, providing 2.5 weeks of storage (based on current sludge production). This allows up to 2.5 weeks of time in the event of a centrifuge failure. Also, produced sludge can be sent to the existing sludge drying beds, if necessary, though use of the drying beds produces odors that the District would prefer to avoid.

3.3.8 Centrifuge

The District added a centrifuge to the plant in 2000. Design criteria for the centrifuge includes a feed rate of 50 gpm, at a sludge concentration of 15,000 mg/L (1.5-percent solids). The design dewatered cake concentration is identified to be 50,000 mg/L or 5-percent solids. Based on this information, the centrifuge may have been originally designed as a thickening process (5-percent solids discharge) as opposed to a dewatering process (15 to 20 percent solids). District operations identified that running the centrifuge at 50 gpm results in biosolids that are too wet for offsite transport. The centrifuge design criteria also identified the operation time to be 6 hrs/day or 30 hrs/week (at the feed rate of 50 gpm).

Based on current operations, District staff operate the centrifuge 45 hrs/week (9 hrs/day) at a feed flow rate of 25 gpm, with a feed sludge concentration of 1.5 to 2.0 percent solids. At the feed rate of 25 gpm, the centrifuge produces dewatered cake with a dryness of approximately 15- to 20-percent solids. Therefore, operating the centrifuge at half its design feed rate, with significant polymer addition, allows the District to attain sufficient dewatering for transport of the dewatered biosolids off site. The lower feed rate results in longer run times, and increased polymer cost, to process the biosolids.

For this analysis, the capacity of the existing centrifuge equipment is based on the 25-gpm feed rate, rather than the original design feed rate of 50 gpm. Also, a 32-hr per week schedule is defined as the preferred maximum operating time to allow one-day per week for equipment maintenance. Table 3.9 summarizes the operating times and currently available capacity of the existing centrifuge. At present, the existing centrifuge is being operated 9 hours per day to accommodate current sludge volumes, resulting in no additional treatment capacity.

At present, there are approximately 4,598 EDUs connected to the SMWRP. Therefore, at the 1.0-MGD capacity of the plant (5,000 EDUs based on 200 gpd/EDU), the existing centrifuge would require approximately 9.8 hours to process the required biosolids for off-site transport. This represents an additional EDU contribution of 402 EDUs. District operations staff have identified that this operation schedule could be accommodated. However, it is evident that a larger centrifuge that can operate at a feed rate of 50 gpm and provide the necessary dewatered cake with a dryness of approximately 15- to 20-percent solids is needed. Sizing of this new centrifuge could be designed as a replacement for the existing equipment or sized to work in tandem with the existing equipment. However, considering that the extensive polymer addition required to achieve the required 15 to 20 percent solids for disposal, a replacement centrifuge may provide significant savings in polymer requirements.

Table 3.9. Centrifuge Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
System Utilization	hr/wk	45	32	-	0	0

3.3.9 Sludge Drying Beds

The SMWRP sludge drying beds were designed to operate on a 30-day drying cycle and have 15,500 ft^2 surface area. Operations staff at SMWRP have stopped using the sludge drying beds for solids dewatering, and instead only utilize them in rare situations, for example if the centrifuge has a prolonged outage. Therefore, the Sludge Drying beds are not applicable to EDU capacity evaluation and will not affect the plant's ability to accept additional EDUs.

Table 3.10 summarizes the existing assumed conditions and the remaining EDU capacity for the drying beds.

Table 3.10. Sludge Drying Beds Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
Max Month Digested Sludge	lb/d	Not Available	1,285	-	Not Available	Not Available

3.3.10 Effluent Storage and Disposal

SMWRP stores treated effluent in two ponds. Storage Ponds 1 and 2, having volumes of 45 acre-ft and 213 acre-ft, respectively. The combined storage volume is 258 acre-ft (84 million gallons). At 1.0-MGD ADF, SMWRP has two reservoirs which contain sufficient capacity to provide a combined 84 days of storage for treated water.

The SMWRP Master Recycling Permit (Order No. R9-2016-0154) limits the discharge of undisinfected secondary effluent to less than or equal to 1.0 MGD on an average annual flow basis. The average annual flow of disinfected tertiary effluent from the SMWRP tertiary plant cannot exceed 0.35 MGD.

The effluent storage system was evaluated based on the ability to store flow for up to 84 days per RWQCB recommended requirements. The effluent disposal system was evaluated based on the spray field value of 1.0 MGD.

Table 3.11. Effluent Storage and Disposal Capacity

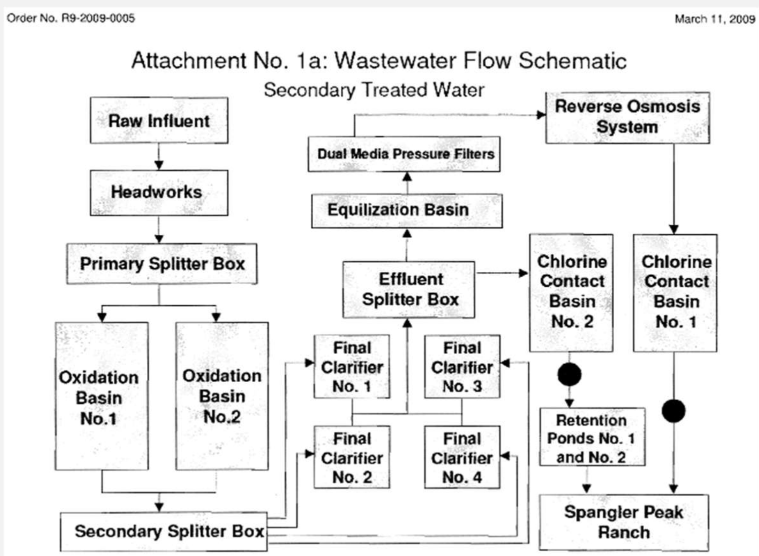
Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
Storage @ ADF	days	135	84	---	51	2,532
Disposal @ ADF	MGD	0.620	1.0	1.0	0.38	2,873

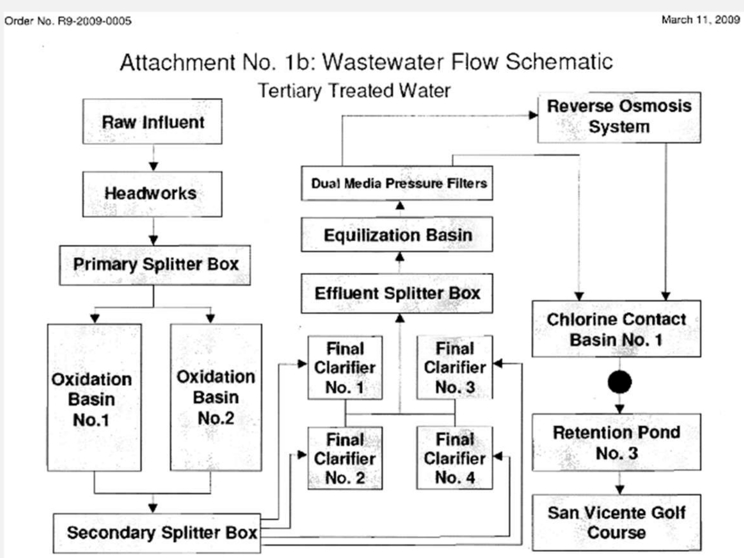
With the current ADF being 0.620 MGD, the available capacity of the effluent disposal system is 2,873 EDU based on the permitted capacity of 1.0 MGD.

3.4 San Vicente WRP

The SVWRP is designed to receive and treat wastewater flows from the San Diego Country Estates. The treatment process includes bar screens, an aerated grit chamber, oxidation ditches, clarifiers, dual media pressure filters, a reverse osmosis system, chlorine contact basins, and drying beds. Solid waste, consisting of screenings and dried sludge, is hauled to a U.S Environmental Protection Agency (USEPA) approved and permitted landfill appropriate for the waste characterization of the solids. The SVWRP is designed to handle ultimate flows of 0.8 MGD and is currently processing 0.496 MGD. Three ponds provide 102 days of wet weather storage (236 acre-feet) at a 30-day average dry weather flow rate of 0.80 MGD.

Figure 3.1. SVWRP Process Flow Diagram





3.4.1 Headworks

The headworks at SVWRP consists of two bar screens, screenings press, and a Parshall flume. Design capacities for the hydraulic channels are 0.8 MGD ADF and 2.385 MGD PHF, respectively. The Parshall flume has a throat width of 9 inches. The SVWRP Parshall flume is estimated to have a capacity of 1,656 gpm (2.385 MGD).

Table 3.12. Headworks Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
PHF (Flume)	gpm	1,388	1,656	-	268	657
PHF (Hydraulics)	MGD	2.0	2.385	-	0.385	636

The Parshall flume is shown to have sufficient capacity for an additional 657 EDUs. Operations utilizes the effluent flow meter for monitoring and reporting purposes. Therefore, the flume capacity is not a bottleneck to accommodate additional EDUs. Existing peak flow conditions are estimated to be below the design criteria for the headworks channels.

It is noted that the maximum wet weather flow of the SVWRP is reported to be 4.0 MGD. Under these conditions, the existing headworks would have insufficient capacity to accommodate this flow. While this flow condition is extremely rare, future expansion of the SVWRP headworks should be considered.

3.4.2 Oxidation Basins

Following the headworks, the SVWRP operates two oxidation basins, each with an average water depth of 8 ft and a volume of 560,102 gallons. The basins have an average aeration requirement of 6,136 lbs O_2/day and an average detention time of 33.7 hours. Oxidation basin capacity was evaluated based on hydraulic retention time and BOD loading. As the basins are prior to equalization, the maximum day flow rate was used for this analysis.

Table 3.13. Oxidation Basin Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
HRT @ MMF	Hr	46.5	33.6	-	12.9	1,081 EDU
HRT at Max Day	Hr	38.1	33.6	-	4.8	389 EDU
MML BOD	lb BOD / d / 1000 ft^3	10.3	18.0	-	7.7	2,601 EDU

Conservatively, the oxidation basins have a remaining EDU capacity of 389 EDUs due to the hydraulic retention time. It is noted that the tributary area to the SVWRP is built out. Similar to Santa Maria WRP, the SVWRP cannot operate with one oxidation ditch out of service. As no future expansion of this plant is anticipated, there will be no additional oxidation ditch constructed to provide an N+1 configuration.

3.4.3 Secondary Clarifiers

SVWRP operates four secondary clarifiers, one with a diameter of 25 ft and three with diameters of 28 ft for a total surface area of 2,338 square feet (ft^2). With one of the large clarifiers out of service, the surface area is 1,722 ft^2. The clarifiers have a combined design surface overflow rate of 349 gpd/ft^2 and an average detention time of 6.68 hours. For this analysis, the surface overflow rate (SOR) was evaluated at ADF and at maximum day with one of the larger clarifiers out of service.

Table 3.14. Secondary Clarifiers Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
SOR @ ADF	gpd/ft^2	288	349	-	61	702 EDU
SOR at Max Day	gpd/ft^2	409	700*	-	291	3,341 EDU

*Maximum surface overflow rates (SORs) are typically 2 times the average SOR.

The secondary clarifiers have an available capacity of 702 EDUs based on ADF.

3.4.4 Effluent Equalization Basin

The effluent equalization basin has a volume of 250,000 gallons. The basin provides 7.5 hours of storage at an ADF of 0.8 MGD.

Table 3.15. Effluent Equalization Basin Hydraulic Loading Conditions

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
HRT @ ADF	hr	12.1	7.5	-	4.6	2,029 EDU

At the ADF (see Table 2.4), the equalization basin is able to achieve 12.1 hours of storage, which is approximately 60 percent more storage, in terms of time, than originally designed. Due to this higher storage capacity, the equalization basins have an available capacity of 2,029 EDUs.

3.4.5 Dual Media Pressure Filters

SVWRP has five dual media pressure filters. Each filter has a 6-ft diameter and is designed to operate at 40 PSI. The filters are designed to operate at a maximum flow rate of 4.9 gpm/ft^2.

Table 3.16. Pressure Filter Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
MMF	gpm/ft^2	3.5	4.9	4.9	1.4	1,071 EDU

Based on current conditions, the maximum month flow rate in the filters is 3.5 gpm/ft^2 with one filter out of service. This gives an available capacity for the pressure filters of 1,071 EDUs.

3.4.6 Ultrafiltration and Reverse Osmosis

The ultrafiltration (UF) and reverse osmosis (RO) systems at SVWRP are designed to provide filtration and some TDS reduction in the plant effluent. The UF system contains spiral wound membranes while the RO system is a three-stage system and achieves high recovery. The RO system can treat a maximum of 200 gpm and be operated a maximum of 40 hours per week. The UF/RO system only needs to treat half of the effluent flow (per RMWD Wastewater Master Plan) to meet WDR limits for TDS and blends with remaining effluent before discharge. The SVWRP UF/RO system is currently providing adequate TDS reduction for the current EDU connected to the SVWRP using potable water with current TDS concentrations. The UF/RO system achieves this TDS reduction with an operating schedule of 30 hours per week. UF/RO system capacity has been evaluated based on the utilization of the current system assuming a maximum of 40 hours per week of available run time.

Table 3.17. UF/RO System Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
System Utilization	hr/wk	30	40	-	10	1,279 EDU

The UF/RO system is estimated to have capacity to provide TDS reduction for an additional 1,279 EDU. This assumes that the potable water TDS concentration remains at current levels.

3.4.7 Disinfection

Treated effluent flows through chlorine contact disinfection basins for disinfection and treatment of coliform bacteria, to inhibit biological activity in either one of the effluent retention ponds or during disposal to San Vicente spray fields, and to protect treatment operators when they are performing maintenance on the effluent storage and disposal systems. The existing disinfection system uses sodium hypochlorite to disinfect effluent. Secondary effluent is directed to Chlorine Contact Basin No. 2 from the secondary clarifiers. Tertiary effluent is directed to Chlorine Contact Basin No.1 from the dual media pressure filters and the UF/RO system.

Table 3.18. Disinfection Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
MMF (Contact Basin 1)	MGD	0.578	0.8	0.8	0.222	1,081 EDU
MMF (Contact Basin 2)	MGD	0.578	2.395*	0.8	0.222	1,081 EDU

*Contact Basin 2 has an original design capacity of 2.395 MGD. However, under the existing discharge permit this flow would not satisfy the minimum 90-minute modal contact time and would be in excess of the SVWRP discharge limit of 0.8 MGD. The permitted capacity limits the available capacity of Contact Tank 2.

At MMF, Tank 1 is the limiting factor for disinfection and has an available capacity of 1,081 EDU.

3.4.8 Sludge Drying Beds

SVWRP operates 9 covered and 3 uncovered sludge drying beds, which have a surface area of 2,880 ft^2 per bed. Due to the limited data available, assumptions were made to evaluate the available capacity in this unit process. The following assumption was made:

- Max month WAS Production is 70 percent of max month influent BOD load
- Sludge drying bed design loading rate: 30 lb/ft^2/yr
- Total sludge drying bed design capacity with all beds in service: 2,865 lb/d

Table 3.19 summarizes the existing assumed conditions and the remaining EDU capacity for the drying beds.

Table 3.19. Sludge Drying Bed Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
Max Month WAS	lb/d	1,079	2,865	-	1,786	2,748 EDU

Based on the design criteria, the available capacity is 2,748 EDUs, implying current connections only account for approximately 60 percent of the drying beds' total capacity. However, operators have noted impaired performance in the drying beds at current conditions. This situation could be due to a number of factors, including inaccuracies in the design criteria, higher WAS production than assumed, wetting of sludge due to wet weather, or slow draining beds.

3.4.9 Effluent Storage and Disposal

The SVWRP has a design capacity of 0.8 MGD, with a current tributary flow of 0.496 MGD. Tertiary treated effluent from the plant is stored in three recycled water ponds. Ponds 1, 2, and 3 have storage volumes of 135 acre-ft, 32 acre-ft, and 93 acre-ft, respectively. The combined storage volume of these ponds is 260 acre-ft (72.8 million gallons). This volume provides 106 days of storage at an ADF of 0.8 MGD. At the current flow of 0.496 MGD, the ponds provide 171 days of storage. Therefore, the storage has 65 days of additional capacity or 2,029 EDUs.

In the event that one of the two oxidation ditches were offline, tributary flows would be treated with the available oxidation ditch. If the resulting treatment did not meet discharge requirements, the off-spec water would be discharged to Pond 2 (32 acre-feet). At current flows, this would provide up to approximately 20 days of storage, in which time the second oxidation ditch would need to be repaired.

Table 3.20. Effluent Storage and Disposal Capacity

Criterion	Unit	Ex. Conditions	Design Criteria (Total Capacity)	Permitted Capacity	Available Capacity	Available EDU Capacity
Storage @ ADF	Days	171	106	-	65	2,029
Disposal @ ADF	MGD	0.496	0.58 [0.80]	0.8	0.084	561 [2,030]

Effluent disposal for the SVWRP is accomplished through beneficial reuse at the San Vicente Golf Course, with the remainder disposed of at the San Vicente spray field. The District is currently working with the Barona Tribe to deliver excess recycled water for beneficial use on the Barona golf course and other reservation irrigation uses. Based on existing recycled water disposal options (without Barona), the District has approximately 0.58 MGD of ADF disposal capacity, yielding an available ADF capacity of 0.084 MGD or 561 EDUs. Once the Barona facilities are connected, the District will be able to dispose of the entire 0.8 MGD (ADF), yielding an additional capacity of 2,030 EDUs.

It is noted that effluent storage and disposal capacity is highly dependent on weather patterns. Years with significant rainfall can reduce available storage and available effluent disposal opportunities. Likewise, drought years can increase the availability for recycled water sales and disposal opportunities.

4 Conclusions

The EDU capacity analysis broadly finds that both the SMWRP and SVWRP can accommodate more EDU connections than their originally planned capacities. Tables 4.1 and 4.2 summarize the estimated available EDU capacities of each unit process at SMWRP and SVWRP.

Table 4.1. Santa Maria WRP Unit Process Available Capacity Summary

Unit Process	Available Capacity (EDUs)
Headworks	1,251
Influent Equalization	2,532
Aeration Basins	501
Secondary Clarification	2,532
Tertiary Filtration[1]	N/A[1]
Disinfection[1]	N/A[1]
Digestion[2]	N/A[2]
Centrifuge	0
Sludge Drying Beds[3]	N/A[3]
Effluent Storage	2,532
Effluent Disposal	2,873

[1] Tertiary treatment is not designed for the full plant flow and has a maximum capacity of 350,000 gpd.
[2] Digesters are utilized for sludge storage as opposed to digestion
[3] Sludge Drying Beds are no longer used

The SMWRP has a flow capacity of 1.0 MGD. At 200 gpd/EDU, the plant can support a total of 5,000 EDUs. Reducing the EDU flow rate from 200 gpd/EDU to 150 gpd/EDU results in an increase in tributary EDUs by 1,667 EDUs, for a total of 6,667 EDUs. Based on the analyses performed, the SMWRP has two (2) unit processes that do not support the proposed reduction of the EDU flow rate adjustment. These unit processes include the existing centrifuge equipment and the aeration basins under HRT mass loading conditions. The remaining unit processes have more than 1,251 EDU of additional capacity to accommodate projected EDU increases.

The District will be required to install additional sludge dewatering equipment to support both the existing plant capacity and the additional 1,500 to 2,000 EDUs based on the unit flow rate reduction. While District staff have been successful in adjusting feed rate, polymer addition, and operation time to meet required dry cake concentrations (15 to 20 percent solids), the existing centrifuge is not designed to produce the required dry cake characteristics under existing or future conditions. At present, the existing centrifuge is operated 9 hours per day to meet existing plant requirements. Continuing to increase operation times with lower feed rates and increased polymer addition is not sustainable. Additional equipment is required to support the 1.0-MGD capacity of the plant, at either 200 gpd/EDU or 150 gpd/EDU.

With the proposed reduction in unit flow per EDU, the maximum month hydraulic conditions through the secondary treatment process continues to be a challenge because mass organic loading is unaffected by a reduction in water use (tributary flow). Upgrading or expanding the secondary treatment process will allow the District to increase plant flows by approximately 1,500 to 2,000 EDUs, without expanding existing flow-controlled unit processes. The organic loading data available for this study is small relative to the available flow data.

Table 4.2. San Vicente WRP Unit Process Available Capacity Summary

Unit Process	Available Capacity (EDUs)
Headworks	636
Oxidation Basins	389
Secondary Clarification	702
Effluent Equalization	2,029
Pressure Filters	1,071
UF/RO	1,279
Disinfection	1,081
Sludge Drying Beds	2,748
Effluent Storage	1,699
Effluent Disposal	561

SVWRP challenges include the headworks and secondary clarification. The headworks capacity is based on an estimated influent flow peaking factor. The actual peaking factor for influent flow should be confirmed to determine the capacity of the headworks, which may require upsizing the Parshall flume flow meter, which is undersized. The design surface overflow rate under ADF conditions of the secondary clarifiers may be exceeded if more than 389 EDUs are connected to SVWRP. The process may produce higher TSS effluent if the design SOR is exceeded.

5 Recommendations

5.1 SMWRP

Secondary Treatment Process

The aeration basins unit process at the SMWRP is a key process challenge relative to additional EDU connections to the plant. Upgrading the aeration basins will allow the District to connect approximately 1,250 EDUs worth of additional tributary flow, without changing the current SMWRP process train with the existing Waste Discharge Requirements permit.

The SMWRP utilizes a complete mix reactor aeration basin configuration with surface aeration equipment. This process configuration is being phased out in the industry due to the relative lack of performance and energy efficiency, as compared to activated sludge process configurations and more efficient aeration equipment.

Dudek recommends the District evaluate an upgrade to the SMWRP activated sludge process, specifically the aeration basins, to accomplish the following goals:

1. Alleviate the capacity challenges in the aeration basins, thereby allowing the District to accommodate approximately 1,250 more EDUs tributary to the SMWRP without having to expand the permitted treatment capacity. Without these improvements, it is projected that the aeration process will accommodate less than an additional 500 EDUs, as there is not sufficient influent loading water quality data to evaluate the aeration basin process.

2. Improve the aeration basin configuration and equipment for improved process performance, control, and energy efficiency.

This project is considered an upgrade and modernization of the existing treatment process, which will require notification to the Regional Water Quality Control Board for a Permit to Modify the plant process. However, the project will not change the permitted plant capacity, nor should it trigger a change to the permitted effluent discharge requirements. To plan for the aeration basin upgrade, additional water quality data needs to be collected.

Solids Dewatering Equipment

The existing centrifuge at the SMWRP appears to have been designed as a thickening process, rather than a dewatering process. As a thickening process, the centrifuge would run at 50 gpm and produce a discharge of 5-percent solids, which may be discharged to the drying beds for further dewatering to the 15 to 20 percent solids that is required for off-site disposal. District operations adjusted the feed rate, polymer addition, and operation time of the centrifuge to produce the required solids concentration for off-site disposal. The centrifuge is operated at 25 gpm for 9 hours per day to meet these requirements. As such, the existing equipment is not projected to accommodate full tributary flow to the SMWRP (1.0-MGD), much less the additional 1,500 to 2,000 EDUs required for adjustment of the unit flow per EDU. Dudek recommends the District evaluate addition of mechanical dewatering equipment at the SMWRP to accomplish the following goals:

1. Significantly decrease the current 9 hour per day operation schedule of the dewatering equipment to less than or equal to 32 hours per week, thereby allowing one day per week for equipment maintenance.

2. Significant reduction of polymer requirements, thereby providing increased operational savings for the District.

3. As the existing equipment is required to remain in service until a new centrifuge can be implemented, the existing centrifuge must be maintained in optimal operating order to continue the District ongoing wastewater operations. Increases in tributary EDUs are slow throughout the Santa Maria service area, including the Cumming Ranch development (which is proposed to increase tributary EDUs at a pace of approximately 2 to 4 EDU per year).

As with the Secondary Treatment Process, modification of the solids-handling process does not increase the permitted capacity of the plant. Also, as this project would represent the replacement of existing equipment, the Regional Board may not require a Permit to Modify to complete the work.

5.2 SVWRP

The SVWRP is limited to approximately 389 additional EDU connections of available capacity. However, discussions with the District indicate that the SVWRP service area is fully constructed, and there is no expectation of meaningful infill or development that would require plant capacity expansion. Therefore, the individual components of the SVWRP should be maintained over time to service the existing customer base but will not require plant expansion.

5.3 Unit Flow Rate per EDU

As stated, the primary purpose of this study is to understand the discrepancy between actual plant flow and corresponding tributary EDUs, as well as the remaining capacity of each plant (in terms of additional EDUs and average daily flow). Historically, a value of 200 gpd/EDU has been used to project the wastewater generation throughout the San Vicente and Santa Maria sewer service areas. Based on this valuation, the 1.0-MGD SMWRP would accommodate a total of 5,000 tributary EDUs, with SVWRP accommodating a total of 4,000 tributary EDUs.

Comparison of current plant flows and tributary EDUs illustrates that the historical unit flow per EDU has changed. Plant capacity of both plants is greater than 90 percent based on EDUs purchased by the communities, while actual plant flows are just over 60 percent of design flow capacity. Water conservation efforts have reduced water use through the community. However, biological material within the wastewater stream in not reduced by water conservation efforts, resulting in an increase in mass loading concentrations to the plants.

Based on the unit process analyses in this study, revision of the existing unit flow rate per EDU for the Santa Maria and San Vicente sewer service areas from 200 gpd/EDU to 150 gpd per EDU is more reflective of the true relationship between tributary EDUs and the actual plant flow. It has been determined that this proposed reduction is supported by the majority of unit processes within the SMWRP and SVWRP. Two of the unit processes at the SMWRP require modification to accommodate the proposed unit flow modification, including the Solids Handling and the Secondary Treatment Process. It has been determined that modification of these unit processes can support the 150 gpd/EDU unit flow rate. The resulting plant capacities at the revised unit flow rate are 6,667 EDUs for the SMWRP and 5,333 for the SVWRP. It is also determined that these increased tributary EDU counts can be accommodated without increase of the current permitted capacity of either plant, therefore avoiding the need for revision to the plants' permitting documents.

Implementation of the required unit process modifications will require time for further unit process evaluation, budgeting, design, and implementation. Therefore, the District will need to continue its current operations until the projects are completed. Based on the rate of EDU growth within the community, it is projected that the District will have several years before the SMWRP would experience a significant increase in tributary EDUs. Even the largest development in the community, the Cumming Ranch Project, is projected to contribute new homes at a rate of less than 10 homes per year. Furthermore, the developer for this project will be collecting, pumping, and hauling its wastewater outside the District service area until a critical mass of homes has been sold. Until that time, no wastewater increase will be experienced from that development. Smaller developments and single-family homes will be constructed, but the available time for implementation of the required unit process modifications will be significant. It is recommended that the District begin evaluation of these unit process modifications within the next year or two, to assure that the SMWRP is successfully modified before wastewater flow and loading increases.

RAMONA MUNICIPAL WATER DISTRICT

AGENDA MEMO

Agenda Item No. F.2.
Board Meeting of July 9, 2024

Jim Hickle, President
and Members of the Board of Directors
Ramona, CA 92065

RE: AUTHORIZATION FOR THE GENERAL MANAGER TO SIGN AND SUBMIT THE ATTACHED COMMENT LETTER REGARDING PROPOSED CHANGES TO MAIN STREET

Members of the Board:

Purpose

To obtain authorization for the General Manager to sign and submit the attached comment letter regarding the Ramona Chamber of Commerce's and Ramona Community Planning Group's proposed changes to Main Street.

Background

The major business district in downtown Ramona consists of Main Street, which extends from Etcheverry Street to 3rd Street. Main Street is Highway 67 from Etcheverry Street to 10th Street and Highway 78 from 10th Street to Third Street, which means that Caltrans and the County of San Diego both have responsibilities and jurisdictions over Ramona's Main Street.

In order to improve safety on Main Street, particularly between 10th and 3rd Streets, the Ramona Chamber of Commerce (RCC) and members of the Ramona Community Planning Group (RCPG) have been promoting the need for additional crosswalks to allow pedestrians to safely cross at additional locations beyond the two existing crosswalks at 10th and 7th where the existing stop lights are. Caltrans has indicated that in order to have more crosswalks installed, curbside parking may need to be reduced to allow for a center median as a pedestrian rest point for ADA compliance.

A second recommendation is to lower the speed limit on Main Street using the process in Assembly Bill 43[1]. The current speed limit on Main Street ranges from 30 to 45 miles per hour (mph). AB 43 allows for a local authority, in this case the County of San Diego, may adopt by ordinance a determination and declaration of a 20 or 25 mph prima facie speed limit on a

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1 Additional information on Assembly Bill 43: https://legiscan.com/CA/text/AB43/id/2436617

highway contiguous to a business activity district. From Vehicle Code Section 22358.9:

(a)(2) The prima facie limits established under paragraph (1) apply only to highways that meet all of the following conditions:

- *(A) A maximum of four traffic lanes.*
- *(B) A maximum posted 30 miles per hour prima facie speed limit immediately prior to and after the business activity district, if establishing a 25 miles per hour speed limit.*
- *(C) A maximum posted 25 miles per hour prima facie speed limit immediately prior to and after the business activity district, if establishing a 20 miles per hour speed limit.*

(b) As used in this section, a "business activity district" is that portion of a highway and the property contiguous thereto that includes central or neighborhood downtowns, urban villages, or zoning designations that prioritize commercial land uses at the downtown or neighborhood scale and meets at least three of the following requirements in paragraphs (1) to (4), inclusive:

(1) No less than 50 percent of the contiguous property fronting the highway consists of retail or dining commercial uses, including outdoor dining, that open directly onto sidewalks adjacent to the highway.

(2) Parking, including parallel, diagonal, or perpendicular spaces located alongside the highway.

(3) Traffic control signals or stop signs regulating traffic flow on the highway, located at intervals of no more than 600 feet.

(4) Marked crosswalks not controlled by a traffic control device.

Discussion

Main Street at the intersections of Highway 78 and 5th Street or Highway 78 and 2nd Street is the main access point to Wellfield Park. The District's primary interest in supporting the RCPG and Chamber efforts on adding crosswalks and lowering the speed limit on Main Street would be related to improving safety for residents and visitors who access Wellfield Park. Neither entry point is particularly well marked and safe for ingress and egress to 2nd and 5th Streets to access the park. Lowering the speed limit on Main Street would improve vehicle safety for ingress and egress to the primary feeder streets to the park. There is already a concern with the speed and visibility of turning from 2nd and 5th Streets to Main Street with large vehicles and vehicles towing livestock and other trailers. The addition of crosswalks would promote non-motorized access for those living south of Highway 78 to allow for walking, bicycling or horseback riding to the park.

The District's main office and yard are located off of 2nd Street and additional traffic slowing on Main Street and the proposed cross walks could also promote pedestrian travel for employees and office visitors and the proposed reduced speed limit could make it safer for those traveling in vehicles, both employees and office/yard visitors, to ingress from Main Street and egress from 2nd Street.

Letters of support for these two proposals will be drafted as needed throughout the process if the Board is supportive of the proposals.

Fiscal Impact

There is no fiscal impact associated with the recommended action.

Recommendation

Provide input to the General Manager on whether the Board is supportive of the two Main Street proposals so that a future comment letter can be drafted.

Prepared and Submitted by: Erica Wolski, General Manager