



101 Lucas Valley Road, Suite 300
 San Rafael, CA 94903
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 www.LGVSD.org

MANAGEMENT TEAM
 General Manager, Curtis Paxton
 Plant Operations, Mel Liebmann
 Collections/Safety/Maintenance, Greg Pease
 Engineering, Michael P. Cortez
 Administrative Services, Dale McDonald

DISTRICT BOARD
 Megan Clark
 Craig K. Murray
 Barry Nitzberg
 Gary E. Robards
 Crystal J. Yezman

The Mission of the Las Gallinas Valley Sanitary District is to protect public health and our environment, providing effective wastewater collection, treatment, and resource recovery.

BOARD MEETING AGENDA

August 15, 2024

MATERIALS RELATED TO ITEMS ON THIS AGENDA ARE AVAILABLE FOR PUBLIC INSPECTION DURING NORMAL BUSINESS HOURS AT THE DISTRICT OFFICE, 101 LUCAS VALLEY ROAD, SUITE 300, SAN RAFAEL, OR ON THE DISTRICT WEBSITE WWW.LGVSD.ORG

Estimated Time

OPEN SESSION:

4:00 PM

1. PUBLIC COMMENT

This portion of the meeting is reserved for persons desiring to address the Board on matters not on the agenda and within the jurisdiction of the Las Gallinas Valley Sanitary District. Presentations are generally limited to three minutes. All matters requiring a response will be referred to staff for reply in writing and/or placed on a future meeting agenda. Please contact the General Manager before the meeting.

4:05 PM

2. CONSENT CALENDAR

These items are considered routine and will be enacted, approved or adopted by one motion unless a request for removal for discussion or explanation is received from the staff or the Board.

- A. Approve the Board Minutes for July 18, 2024
- B. Receive and Ratify the Check Warrant Lists through August 5, 2024
- C. Approve Board Compensation for July 2024
- D. Approve Murray attending Wastewater Operation Basics Certification on August 13 at Sea Ranch, CA.
- E. Approve Award of Contract Kennedy Jenks Integrated Wastewater Master Plan (IWMP) Phase 3 Amendment 2.

Possible expenditure of funds: Yes, Item B through E.

Staff recommendation: Adopt Consent Calendar – Items A through E.

4:15 PM

3. INFORMATION ITEMS:

STAFF/CONSULTANT REPORTS:

- 1. Marin Sanitary Service Annual Report – written
- 2. General Manager’s Report – verbal

- 3. Administrative Services Department Report – written
- 4. Quarterly Financial Report – written
- 5. Solar Project Update – verbal
- 6. Board Policy Review - Purchasing F-90, Credit Cards F-100, Grant Management F-150 and Fixed Asset Accounting Controls O-10 – written

6:00 PM

4. BOARD MEMBER REPORTS:

1. CLARK

- a. NBWA Board Committee, Operations Control Centers Ad Hoc Committee, Fleet Management Ad Hoc Committee, FutureSense Ad Hoc Committee, CASA Workforce Committee, Other Reports

2. MURRAY

- a. Marin LAFCo, Flood Zone 6, Biosolids Ad Hoc Committee, CASA Energy Committee, Development Ad Hoc Committee, San Francisco Bay Trail Ad Hoc Committee, Other Reports

3. NITZBERG

- a. Operations Control Centers Ad Hoc Committee, Fleet Management Ad Hoc Committee, McInnis Marsh Ad Hoc Committee, San Francisco Bay Trail Ad Hoc Committee, Other Reports

4. ROBARDS

- a. Gallinas Watershed Council/Miller Creek, NBWRA, Engineering Ad Hoc Committee re: STPURWE, McInnis Marsh Ad Hoc Committee, Development Ad Hoc Committee, FutureSense Ad Hoc Committee, Other Reports

5. YEZMAN

- a. Flood Zone 7, CSRMA, Ad Hoc Engineering Committee re: STPURWE, Marin Special Districts, Biosolids Ad Hoc Committee, Other Reports

6:15 PM

5. BOARD REQUESTS:

- A. Board Meeting Attendance Requests – Verbal
- B. Board Agenda Item Requests – Verbal

6:20 PM

6. VARIOUS INDUSTRY RELATED ARTICLES

6:30 PM

7. ADJOURNMENT

FUTURE BOARD MEETINGS SEPTEMBER 5 AND SEPTEMBER 19, 2024

AGENDA APPROVED:	Craig K. Murray, President	Patrick Richardson Legal Counsel
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CERTIFICATION: I, Teresa Lerch, Board Secretary of the Las Gallinas Valley Sanitary District, hereby declare under penalty of perjury that on or before August 12, 2024 4:00 p.m., I posted the Agenda for the Board Meeting of said Board to be held on August 15, 2024 at the District Office, located at 101 Lucas Valley Road, Suite 300, San Rafael, CA.

DATED: August 12, 2024



 Teresa L. Lerch
 Board Secretary

The Board of the Las Gallinas Valley Sanitary District meets regularly on the first and third Thursday of each month. The District may also schedule additional special meetings for the purpose of completing unfinished business and/or study session. Regular meetings are held at the District Office, 101 Lucas Valley Road, Suite 300, San Rafael, CA.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the District at (415) 472-1734 at least 24 hours prior to the meeting. Notification prior to the meeting will enable the District to make reasonable accommodation to help ensure accessibility to this meeting.

AGENDA ITEM 1

8/15/2024

PUBLIC COMMENT

This portion of the meeting is reserved for persons desiring to address the Board on matters not on the agenda and within the jurisdiction of the Las Gallinas Valley Sanitary District. Presentations are generally limited to three minutes. All matters requiring a response will be referred to staff for reply in writing and/or placed on a future meeting agenda. Please contact the General Manager before the meeting.

MEETING MINUTES OF JULY 18, 2024

THE BOARD OF DIRECTORS AND STAFF OF THE LAS GALLINAS VALLEY SANITARY DISTRICT MET IN OPEN SESSION AT 4:00 PM AT THE DISTRICT OFFICE, 101 LUCAS VALLEY ROAD, SUITE 300 CONFERENCE ROOM, SAN RAFAEL, CA. 94903

BOARD MEMBERS PRESENT: Megan Clark, Craig Murray, Barry Nitzberg, Gary Robards and Crystal Yezman.

BOARD MEMBERS ABSENT: None.

STAFF PRESENT: Curtis Paxton, General Manager; Teresa Lerch, Board Secretary; Dale McDonald, District Treasurer.

OTHERS PRESENT: Patrick Richardson, District Counsel.

ANNOUNCEMENT: President Murray announced that the agenda had been posted as evidenced by the certification on file in accordance with the law.

1. PUBLIC COMMENT: None.

2. CONSENT CALENDAR:

These items are considered routine and will be enacted, approved, or adopted by one motion unless a request for removal for discussion or explanation is received from the staff or the Board.

- A. Approve the Board Minutes for June 20 and July 2, 2024
- B. Receive and Ratify the Check Warrant List
- C. Approve Board Compensation for June 2024
- D. Approve Murray attending the CSDA Annual Conference September 9 -12 in Indian Wells
- E. Approve Robards attending the CSDA Annual Conference September 9 -12 in Indian Wells
- F. Approve Robards attending the SDLF Academy November 3-6 in San Rafael
- G. Approve Resolution 2024-2335 Confirming Conflict of Interest Code Biennial Update
- H. Approve LGVSD Multi-Jurisdictional Hazard Mitigation Plan and Resolution 2024-2336

Items B,G and H were pulled for discussion.

Suggested modifications and questionsb to Item H were given to Staff by the Board and the item will be brought back to a future Board meeting.

ACTION:

Board approved (M/S Nitzberg/Robards (5-0-0-0) the Consent Calendar items A through G.

AYES: Clark, Murray, Nitzberg, Robards and Yezman.

NOES: None.

ABSENT: None.

ABSTAIN: None.

3. INFORMATION ITEMS:

STAFF / CONSULTANT REPORTS:

- 1. General Manager's Report – Paxton reported.
- 2. District Correspondence – Discussion ensued.

4. BOARD REPORTS

1. CLARK

- a. NBWA Board Committee – verbal report
- b. Operation Control Centers Ad Hoc Committee – verbal report
- c. Fleet Management Ad Hoc Committee – no report
- d. FutureSense Ad Hoc Committee – no report
- e. CASA Workforce Committee – no report
- f. Other Reports – no report

2. MURRAY

- a. Marin LAFCO –no report
- b. Flood Zone 6 – no report
- c. CASA Energy Committee – no report
- d. Biosolids Ad Hoc Committee – no report
- e. Development Ad Hoc Committee – no report
- f. SF Bay Trail Ad Hoc Committee – no report
- g. Other Reports- none

3. NITZBERG

- a. Operation Control Centers Ad Hoc Committee – verbal report
- b. Fleet Management Ad Hoc Committee – no report
- c. McInnis Marsh Ad Hoc Committee – no report
- d. SF Bay Trail Ad Hoc Committee – no report
- e. Other Reports – no report

4. ROBARDS

- a. Gallinas Watershed Council/Miller Creek – verbal report
- b. STPURWE Engineering Ad Hoc Committee – no report
- c. McInnis Marsh Ad Hoc Committee – no report
- d. Development Ad Hoc Committee – no report
- e. FutureSense Ad Hoc Committee – no report
- f. Other Reports – no report

5. YEZMAN

- a. Flood Zone 7– no report
- b. CSRMA – no report
- c. Marin Special District Association – no report
- d. STPURWE Engineering Ad Hoc Committee – no report
- e. Biosolids Ad Hoc Committee – no report
- f. Other Reports– no report

5. BOARD REQUESTS:

- A. Board Meeting Attendance Requests – Murray requested to attend the Wastewater Operations Basics Certification at Sea Ranch August 13.
- B. Board Agenda Item Requests – None.

6. MISCELLANEOUS DISTRICT CORRESPONDENCE

Discussion ensued.

7. ADJOURNMENT:

ACTION:

The board approved (Yezman/Robards 5-0-0-0) the adjournment of the meeting at 6:11 p.m.

AYES: Clark, Murray, Nitzberg, Robards and Yezman.
NOES: None.
ABSENT: None.
ABSTAIN: None.

The next Regular Board Meeting is scheduled for August 15, 2024 at 4:00 pm at the District office.

ATTEST:

Teresa Lerch, Board Secretary

APPROVED:

Gary E. Robards, Vice-President

Agenda Item 2B
Date August 15, 2024

Las Gallinas Valley Sanitary District

Check Register - Warrant List
 Check Issue Dates: 6/24/2024 - 7/23/2024

Page: 1
 Jul 23, 2024 03:04PM

Report Criteria:

Report type: GL detail
 Check Detail.Input date = 07/17/2024,07/18/2024,07/22/2024

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
A and P Moving Inc						
30000547						
07/24	07/23/2024	4066299	Document Storage-	10-400-5451	96.80	96.80
Total A and P Moving Inc:						96.80
Alliant Insurance Services, Inc.						
30000548						
07/24	07/23/2024	2707213	ACIP Crime Renewal 7/1/24-7/1/25	10-400-5496	1,216.00	1,216.00
07/24	07/23/2024	2711714	AMVP Physical Damage Premium 7/1/2024-7/1/2025	10-400-5411	10,852.00	10,852.00
07/24	07/23/2024	7313	Workers Comp Insurance 7/1/2024-7/1/2025	10-400-5140	63,869.00	63,869.00
07/24	07/23/2024	7360	Property Liability FY 7/1/24-7/1/25	10-400-5411	187,084.67	187,084.67
Total Alliant Insurance Services, Inc.:						263,021.67
Bank of Marin						
20240710						
07/24	07/10/2024	JULY 2024	Loan Payment- Recycled Water	10-699-5514	21,151.41	21,151.41
07/24	07/10/2024	JULY 2024	Recycled Water Loan Payment- Interest	10-699-5524	6,572.04	6,572.04
Total Bank of Marin:						27,723.45
Baywork						
21163						
07/24	07/18/2024	1339	Annual Membership July 2024-June 2025	10-600-5461	765.00	765.00
Total Baywork:						765.00
Bellecci & Associates Inc						
30000549						
07/24	07/23/2024	230140.06	On-Call Inspection Services for Collection System, Development Pro	10-763-5601	1,353.00	1,353.00
Total Bellecci & Associates Inc:						1,353.00
California Water Environment Association						
21164						
07/24	07/18/2024	M. CARDENAS	CWEA Membership	10-460-5461	239.00	239.00
Total California Water Environment Association:						239.00
CalNet						
21165						
07/24	07/18/2024	9391069813	Phone Lines at Pump Station	10-500-5423	327.74	327.74
Total CalNet:						327.74
CalPERS 457 Plan Deferred Comp						
202406243						
06/24	06/24/2024	457 6.14	457 Deferred Comp Paydate 6.14	10-000-2127	11,097.64	11,097.64
202406281						
06/24	06/28/2024	457 6.28	457 Deferred Comp Paydate 6.28	10-000-2127	10,997.64	10,997.64

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount	
Total CalPERS 457 Plan Deferred Comp:						22,095.28	
CALPERS Retirement							
20240628							
06/24	06/28/2024	6.28 RETIREM	EE & ER Retirement- Administration	10-400-5120	6,764.34	6,764.34	M
06/24	06/28/2024	6.28 RETIREM	EE & ER Retirement- Engineering	10-420-5120	4,119.14	4,119.14	M
06/24	06/28/2024	6.28 RETIREM	EE & ER Retirement- Collections	10-460-5120	7,751.46	7,751.46	M
06/24	06/28/2024	6.28 RETIREM	EE & ER Retirement- Maintenance	10-480-5120	2,608.16	2,608.16	M
06/24	06/28/2024	6.28 RETIREM	EE & ER Retirement- Laboratory	10-560-5120	1,622.52	1,622.52	M
06/24	06/28/2024	6.28 RETIREM	EE & ER Retirement- Plant	10-600-5120	10,089.54	10,089.54	M
202406242							
06/24	06/24/2024	6.14 RETIREM	EE & ER Retirement- Administration	10-400-5120	6,469.32	6,469.32	M
06/24	06/24/2024	6.14 RETIREM	EE & ER Retirement- Engineering	10-420-5120	4,119.14	4,119.14	M
06/24	06/24/2024	6.14 RETIREM	EE & ER Retirement- Collections	10-460-5120	7,751.46	7,751.46	M
06/24	06/24/2024	6.14 RETIREM	EE & ER Retirement- Maintenance	10-480-5120	2,608.16	2,608.16	M
06/24	06/24/2024	6.14 RETIREM	EE & ER Retirement- Laboratory	10-560-5120	1,622.52	1,622.52	M
06/24	06/24/2024	6.14 RETIREM	EE & ER Retirement- Plant	10-600-5120	10,047.68	10,047.68	M
Total CALPERS Retirement:						65,573.44	
CATS4U							
30000550							
07/24	07/23/2024	PROGRESS P	Secondary Effluent Line Modifications	10-936-5601	741,775.68	741,775.68	
Total CATS4U:						741,775.68	
Centricity GIS							
21166							
07/24	07/18/2024	1580	Cityworks Implementation and Antero Migration June 2024	10-904-5601	2,900.00	2,900.00	
Total Centricity GIS:						2,900.00	
Cintas Corporation							
21167							
07/24	07/18/2024	4195948642	Laundry Service for week of 6/16/2024	10-600-5334	353.40	353.40	
07/24	07/18/2024	4195948642	Laundry Service for week of 6/16/2024	10-460-5334	353.40	353.40	
07/24	07/18/2024	4196660294	Laundry Service for week of 6/23/2024	10-600-5334	353.40	353.40	
07/24	07/18/2024	4196660294	Laundry Service for week of 6/23/2024	10-460-5334	353.40	353.40	
07/24	07/18/2024	4197379593	Laundry Service for week of 7/1/2024	10-600-5334	353.40	353.40	
07/24	07/18/2024	4197379593	Laundry Service for week of 7/1/2024	10-460-5334	353.40	353.40	
07/24	07/18/2024	4198071213	Laundry Service for week of 07/08/2024	10-600-5334	363.74	363.74	
07/24	07/18/2024	4198071213	Laundry Service for week of 7/09/2024	10-460-5334	363.75	363.75	
07/24	07/18/2024	4198071213	Laundry Service for week of 7/9/2024	10-480-5339	223.63	223.63	
Total Cintas Corporation:						3,071.52	
Cintas Corporation 2							
21168							
07/24	07/18/2024	5219057210	First Aid Kit Refil	10-460-5243	67.79	67.79	
Total Cintas Corporation 2:						67.79	
Core Utilities, Inc.							
30000551							
07/24	07/23/2024	42765	IT Services FY 2023/24	10-400-5361	787.50	787.50	
07/24	07/23/2024	42765	IT Services FY 2023/24	10-480-5361	450.00	450.00	

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
07/24	07/23/2024	42765	IT Services FY 2023/24	10-600-5361	500.00	500.00
07/24	07/23/2024	42765	Server Replacements	10-749-5601	210.00	210.00
Total Core Utilities, Inc.:						1,947.50
CPS HR Consulting						
30000552						
07/24	07/23/2024	0012654	Human Resources Consulting Services 1/28 - 2/24/24	10-400-5331	1,344.38	1,344.38
07/24	07/23/2024	0013641	Human Resources Consulting Services 4/1 to 6/1/24	10-400-5331	1,523.75	1,523.75
Total CPS HR Consulting:						2,868.13
DeGabriele, Chris						
30000553						
07/24	07/23/2024	#7	Consultation services 7/6/23 to 6/26/24	10-400-5342	1,630.33	1,630.33
Total DeGabriele, Chris:						1,630.33
Direct Dental Administrators LLC						
20240627						
06/24	06/27/2024	D20240628-28	Dental Payment - Laboratory	10-560-5117	137.00	137.00 M
06/24	06/27/2024	D20240628-28	Dental Payment - Plant	10-600-5117	1,224.00	1,224.00 M
20240711						
07/24	07/11/2024	D20240712-28	Dental Payment - Engineering	10-460-5117	168.00	168.00 M
07/24	07/11/2024	D20240712-28	Dental Payment - Maintenance	10-480-5117	457.94	457.94 M
07/24	07/11/2024	D20240712-28	Dental Payment - Administration	10-400-5117	661.28	661.28 M
202407111						
07/24	07/11/2024	202406270000	Admin Fees - Laboratory	10-560-5117	16.00	16.00 M
07/24	07/11/2024	202406270000	Admin Fees - Plant	10-600-5117	80.00	80.00 M
07/24	07/11/2024	202406270000	Admin Fees - Maintenance	10-480-5117	34.00	34.00 M
07/24	07/11/2024	202406270000	Admin Fees - Collections	10-460-5117	65.00	65.00 M
07/24	07/11/2024	202406270000	Admin Fees - Engineering	10-420-5117	26.00	26.00 M
07/24	07/11/2024	202406270000	Admin Fees - Administration	10-400-5117	47.00	47.00 M
Total Direct Dental Administrators LLC:						2,916.22
Du-All Safety LLC						
30000554						
07/24	07/23/2024	25500	Safety & Training FY 2023-24	10-460-5241	4,728.00	4,728.00
Total Du-All Safety LLC:						4,728.00
Elliott, Bruce						
21169						
07/24	07/18/2024	LISRAP - TAX	LISRAP - 191 Isle Royale Court FY 23-24	10-310-4130	124.00	124.00
Total Elliott, Bruce:						124.00
FedEx Freight						
21170						
07/24	07/18/2024	5054120982	Freight Charges	10-460-5221	166.00	166.00
Total FedEx Freight:						166.00
G.D. Nielson Construction Inc						
21171						
07/24	07/18/2024	031-1	Mobilization Adjustment for Plant Entrance Paving per District Reque	10-915-5601	577.00	577.00

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
07/24	07/18/2024	031-1	McInnis Corp. Yard Paving	10-902-5601	59,147.00	59,147.00
Total G.D. Nielson Construction Inc:						59,724.00
Gardeners Guild						
30000555						
07/24	07/23/2024	117492	Grounds Maintenance	10-600-5312	2,153.00	2,153.00
Total Gardeners Guild:						2,153.00
GHD Inc.						
30000556						
07/24	07/23/2024	380-0054197	Biosolids Program & Research Project Support Services	10-813-5601	34,929.10	34,929.10
Total GHD Inc.:						34,929.10
Grainger						
30000557						
07/24	07/23/2024	9177199081	Misc. Supplies	10-600-5315	520.07	520.07
Total Grainger:						520.07
HASA Inc.						
30000558						
07/24	07/23/2024	968122	Hypochlorite - June 2024 - Additional Cost	10-600-5281	14,557.45	14,557.45
07/24	07/23/2024	968450	Hypochlorite - April 2024 - June 2024	10-600-5281	421.75	421.75
07/24	07/23/2024	968450	Hypochlorite - June 2024 - Additional Cost	10-600-5281	14,201.14	14,201.14
07/24	07/23/2024	969614	Chemicals Hypochlorite	10-600-5281	894.07	894.07
07/24	07/23/2024	969614	Hypochlorite - June 2024 - Additional Cost	10-600-5281	13,469.88	13,469.88
Total HASA Inc.:						43,544.29
IBank C/O U.S. Bank						
21172						
07/24	07/18/2024	19-131-824	Semi-annual payment for STPUWEP ISRF 19-131 - Principal	10-699-5512	381,557.04	381,557.04
07/24	07/18/2024	19-131-824	Semi-annual payment for STPUWEP ISRF 19-131 - Interest	10-699-5522	153,788.71	153,788.71
07/24	07/18/2024	19-131-824	Semi-annual payment for STPUWEP ISRF 19-131 - Fees	10-699-5552	30,757.74	30,757.74
Total IBank C/O U.S. Bank:						566,103.49
Jackson's Hardware Inc						
21173						
07/24	07/18/2024	158300	Misc Supplies	10-600-5311	251.24	251.24
Total Jackson's Hardware Inc:						251.24
Jaycox Construction CNG						
21174						
07/24	07/18/2024	LGSD242	FuelMaker Preventative Maintenance Service - Remaining Balance	10-460-5315	3,000.00	3,000.00
Total Jaycox Construction CNG:						3,000.00
Kenwood Energy						
30000559						
07/24	07/23/2024	2407	BESS Consulting Services	10-934-5601	453.75	453.75
07/24	07/23/2024	2407	Solar PV System Upgrade - Extension of original contract	10-830-5601	8,306.25	8,306.25

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
Total Kenwood Energy:						8,760.00
Licata, Liliana						
21175	07/24	07/18/2024	LISRAP - TAX	LISRAP - 226 Roundtree Way FY 23-24	10-310-4130	124.00
Total Licata, Liliana:						124.00
Lingo Telecom Inc						
21176	07/24	07/18/2024	50463411	Trunk Lines - 101 LVR July 2024	10-400-5423	349.68
Total Lingo Telecom Inc:						349.68
Liu, Christina						
21177	07/24	07/18/2024	LISRAP	LISRAP - 581 Montecillo Road FY 23-24	10-310-4130	124.00
Total Liu, Christina:						124.00
Marin County Assessor-Recorder						
21178	07/24	07/18/2024	FY 23.24 DEA	Marin County FY 23.24 Dead Parcel Report Fee	10-400-5342	25.00
Total Marin County Assessor-Recorder:						25.00
Marin IJ						
21179	07/24	07/18/2024	0001416070	Classified Advertising - Notice of Public Hearing (Annual Budget)	10-400-5433	105.20
Total Marin IJ:						105.20
Marin Sanitary Service Inc						
21180	07/24	07/18/2024	3044386	25 Yd Dirt Box Delivery	10-480-5211	1,997.90
Total Marin Sanitary Service Inc:						1,997.90
Motion Industries Inc.						
21181	07/24	07/18/2024	CA38-0082493	Hose Repair	10-600-5315	52.52
	07/24	07/18/2024	CA-00825093	Hose ends	10-600-5315	141.81
Total Motion Industries Inc.:						194.33
Noll & Tam Architects						
21182	07/24	07/18/2024	0060897	Multipurpose Laboratory Building	10-764-5601	21,545.00
Total Noll & Tam Architects:						21,545.00
Operating Engineers Local No. 3						
21183	07/24	07/18/2024	PAY DAY 7.2.2	Union Dues 07/1/24 Paydate	10-000-2129	764.40
	07/24	07/18/2024	PAY DAY 7.12.	Union Dues 07/12/24 Paydate	10-000-2129	764.40

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
Total Operating Engineers Local No. 3:						1,528.80
PACE Supply						
21184						
07/24	07/18/2024	019644871	Misc Supplies	10-600-5317	391.81	391.81
Total PACE Supply:						391.81
Pacific Gas & Electric - 0580531718-6						
21185						
07/24	07/18/2024	5/28/2024 - 6/2	Electricity @ Plant	10-600-5425	68,034.88	68,034.88
Total Pacific Gas & Electric - 0580531718-6:						68,034.88
Pacific Gas & Electric - 1991349158-5						
21186						
07/24	07/18/2024	05/17/24-06/16	Gas and Electric for Pump stations	10-500-5425	13,547.04	13,547.04
Total Pacific Gas & Electric - 1991349158-5:						13,547.04
Pacific Gas & Electric CDX7397590484 SOL						
21187						
07/24	07/18/2024	5/28/2024 - 06/	Electricity on Solar 5/25-6/25	10-580-5425	3,718.43	3,718.43
Total Pacific Gas & Electric CDX7397590484 SOL:						3,718.43
Pacific Wasterwater Optimization						
21188						
07/24	07/18/2024	1013	Secondary Clarifiers Flo-Clip Baffle System Design and Install 6/10-6	10-935-5601	40,000.00	40,000.00
07/24	07/18/2024	1014	Secondary Clarifiers Flo-Clip Baffle System Project Mgmt June 2024	10-935-5601	15,480.00	15,480.00
Total Pacific Wasterwater Optimization:						55,480.00
Prime Power LLC						
21189						
07/24	07/18/2024	631315	Venetia Pump Station Troubleshooting	10-500-5315	1,180.00	1,180.00
Total Prime Power LLC:						1,180.00
Rathlin Properties LLC						
30000560						
07/24	07/23/2024	AUGUST 2024	Monthly Rent	10-400-5451	9,574.00	9,574.00
Total Rathlin Properties LLC:						9,574.00
Reintech LLC						
21190						
07/24	07/18/2024	26591	Satellite/cellular signal membership	10-600-5461	141.10	141.10
Total Reintech LLC:						141.10
Retiree Augusto						
30000561						
07/24	07/23/2024	AUG 24	Retiree Health Reimbursement	10-600-5111	184.72	184.72

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
Total Retiree Augusto:						184.72
Retiree Burgess						
30000562	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-600-5111	167.79	167.79
Total Retiree Burgess:						167.79
Retiree Cummins						
30000563	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-400-5111	167.79	167.79
Total Retiree Cummins:						167.79
Retiree Cutri						
30000564	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-600-5111	526.44	526.44
Total Retiree Cutri:						526.44
Retiree Emanuel						
30000565	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-400-5111	291.15	291.15
Total Retiree Emanuel:						291.15
Retiree Gately						
30000566	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-400-5111	291.15	291.15
Total Retiree Gately:						291.15
Retiree Guion						
30000567	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-600-5111	291.15	291.15
Total Retiree Guion:						291.15
Retiree Kermoian						
30000568	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-600-5111	167.79	167.79
Total Retiree Kermoian:						167.79
Retiree Mandler						
30000569	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-460-5111	167.79	167.79
Total Retiree Mandler:						167.79
Retiree Memmott						
30000570	07/24	07/23/2024 AUG 24	Retiree Health Reimbursement	10-400-5111	229.55	229.55
Total Retiree Memmott:						229.55

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
SiteOne Landscape Supply						
21192						
07/24	07/18/2024	143823633-00	Misc. Supplies	10-600-5315	126.42	126.42
Total SiteOne Landscape Supply:						126.42
Spiess, Robert						
21193						
07/24	07/18/2024	2024-25A	2024/25 Sewer service charges and tax assessment consulting	10-400-5342	3,225.00	3,225.00
Total Spiess, Robert:						3,225.00
Sun Life Financial - LIFE & ADD						
20240702						
07/24	07/02/2024	JULY 2024	Life & ADD - Administration	10-400-5150	544.00	544.00
07/24	07/02/2024	JULY 2024	Life & ADD - Engineering	10-420-5150	114.50	114.50
07/24	07/02/2024	JULY 2024	Life & ADD - Collections	10-460-5150	159.50	159.50
07/24	07/02/2024	JULY 2024	Life & ADD - Maintenance	10-480-5150	33.00	33.00
07/24	07/02/2024	JULY 2024	Life & ADD - Laboratory	10-600-5150	45.00	45.00
07/24	07/02/2024	JULY 2024	Life & ADD - Plant	10-600-5150	210.00	210.00
Total Sun Life Financial - LIFE & ADD:						1,106.00
Sun Life Financial - LTD						
202407021						
07/24	07/02/2024	JULY 2024	LTD - Administration	10-400-5160	579.50	579.50
07/24	07/02/2024	JULY 2024	LTD - Engineering	10-420-5160	363.43	363.43
07/24	07/02/2024	JULY 2024	LTD - Collections	10-460-5160	633.69	633.69
07/24	07/02/2024	JULY 2024	LTD - Maintenance	10-480-5160	346.89	346.89
07/24	07/02/2024	JULY 2024	LTD - Laboratory	10-560-5160	203.01	203.01
07/24	07/02/2024	JULY 2024	LTD - Plant	10-600-5160	882.50	882.50
Total Sun Life Financial - LTD:						3,009.02
Univar USA Inc.						
30000579						
07/24	07/23/2024	52223114	Sodium Hypochlorite July 2 2024 invoice	10-600-5281	17,456.37	17,456.37
Total Univar USA Inc.:						17,456.37
USA BlueBook						
21194						
07/24	07/18/2024	INV00407844	Misc. Supplies	10-600-5315	1,284.55	1,284.55
Total USA BlueBook:						1,284.55
Verizon Wireless						
21195						
07/24	07/18/2024	9967586228	District Cell Phones	10-440-5423	38.01	38.01
07/24	07/18/2024	9967586228	District Cell Phones	10-560-5423	52.13	52.13
07/24	07/18/2024	9967586228	District Cell Phones	10-420-5423	52.13	52.13
07/24	07/18/2024	9967586228	District Cell Phones	10-480-5423	260.65	260.65
07/24	07/18/2024	9967586228	District Cell Phones	10-460-5423	520.95	520.95
07/24	07/18/2024	9967586228	District Cell Phones	10-600-5423	695.22	695.22
Total Verizon Wireless:						1,619.09

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
Vision Service Plan						
20240701						
07/24	07/01/2024	820723036	Vision Coverage - Administration	10-400-5119	108.45	108.45
07/24	07/01/2024	820723036	Vision Coverage - Collections	10-460-5119	151.83	151.83
07/24	07/01/2024	820723036	Vision Coverage - Engineering	10-420-5119	43.38	43.38
07/24	07/01/2024	820723036	Vision Coverage - Laboratory	10-560-5119	43.38	43.38
07/24	07/01/2024	820723036	Vision Coverage - Plant	10-600-5119	130.14	130.14
07/24	07/01/2024	820723036	Vision Coverage - Maintenance	10-480-5119	86.76	86.76
Total Vision Service Plan:						563.94
Water Components & Building Supply						
21196						
07/24	07/18/2024	30640691	Pump	10-480-5317	375.14	375.14
Total Water Components & Building Supply:						375.14
Waters Jeffrey						
30000580						
07/24	07/23/2024	CWEA MEMBE	CWEA Membership Fee	10-600-5461	221.00	221.00
Total Waters Jeffrey:						221.00
WEX Health Inc.						
20240703						
07/24	07/03/2024	FSA 7.2.24	FSA Reimbursement 7.2.24	10-000-2130	144.17	144.17
Total WEX Health Inc.:						144.17
Woodland Center Auto Supply Inc.						
21197						
07/24	07/18/2024	855165	Misc. Supplies	10-480-5311	1,044.85	1,044.85
Total Woodland Center Auto Supply Inc.:						1,044.85
Grand Totals:						2,078,817.13

Board Member: _____

General Manager: *[Signature]* 07/24/2024

Finance Manager: *[Signature]*

Report Criteria:

Report type: GL detail
 Check Detail.Input date = 08/05/2024

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount	
ADP Inc							
20240719							
07/24	07/19/2024	666001721	Payroll processing fees Comprehensive Services Bundle	10-400-5303	2,018.45	2,018.45	M
202407191							
07/24	07/19/2024	666003670	Payroll processing fees Comprehensive Services Bundle ezLabor an	10-400-5303	69.05	69.05	M
Total ADP Inc:						2,087.50	
Amerine Systems Inc							
30000581							
08/24	08/05/2024	1044919	Additional & Extra Parts	10-480-5315	1,325.00	1,325.00	
Total Amerine Systems Inc:						1,325.00	
AT&T							
21198							
08/24	08/05/2024	7/7/24 TO 8/6/2	Phone Lines at Pump Station - July	10-500-5423	466.62	466.62	
08/24	08/05/2024	7/7/24 TO 8/6/2	Phone lines at PS- Recycled Water	60-620-5423	223.92	223.92	
Total AT&T:						690.54	
Buck's Saw Service Inc							
30000582							
08/24	08/05/2024	111974	Misc Supplies	10-480-5311	731.15	731.15	
Total Buck's Saw Service Inc:						731.15	
Byers Law Office							
30000583							
08/24	08/05/2024	14776	Legal Counsel - July 2024	10-400-5351	5,580.00	5,580.00	
Total Byers Law Office:						5,580.00	
CalNet							
21199							
08/24	08/05/2024	22035598	Phone Lines at Pump Station	10-500-5423	335.33	335.33	
Total CalNet:						335.33	
CalPERS 457 Plan Deferred Comp							
20240729							
07/24	07/29/2024	457 7.26	457 Deferred Comp Paydate 7.26	10-000-2127	11,047.64	11,047.64	M
Total CalPERS 457 Plan Deferred Comp:						11,047.64	
CalPERS CERBT-OPEB							
202407292							
07/24	07/29/2024	17620284	CERBT-OPEB Payment- Aug	10-670-5113	11,630.00	11,630.00	M
Total CalPERS CERBT-OPEB:						11,630.00	
CALPERS Health							

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GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount	
202407293							
07/24	07/29/2024	17613624	Health Premium - Active - Administration	10-400-5110	14,679.49	14,679.49	M
07/24	07/29/2024	17613624	Health Premium - Active - Engineering	10-420-5110	5,107.05	5,107.05	M
07/24	07/29/2024	17613624	Health Premium - Active - Collections	10-460-5110	12,052.65	12,052.65	M
07/24	07/29/2024	17613624	Health Premium - Active - Maintenance	10-480-5110	4,971.55	4,971.55	M
07/24	07/29/2024	17613624	Health Premium - Active - Laboratory	10-560-5110	2,335.68	2,335.68	M
07/24	07/29/2024	17613624	Health Premium - Active - Plant	10-600-5110	16,608.31	16,608.31	M
07/24	07/29/2024	17613624	Health Premium - Retired - Employer Share - Administration	10-600-5111	1,413.00	1,413.00	M
07/24	07/29/2024	17613624	Health Premium - Retired - Employer Share - Collections	10-600-5111	157.00	157.00	M
07/24	07/29/2024	17613624	Health Premium - Retired - Employer Share - Plant	10-600-5111	1,413.00	1,413.00	M
07/24	07/29/2024	17613624	Admin Fee - Active	10-400-5110	133.81	133.81	M
07/24	07/29/2024	17613624	Admin Fee - Retired	10-400-5111	28.43	28.43	M
Total CALPERS Health:						<u>58,899.97</u>	
CalPERS Required Contribution							
20240715							
07/24	07/15/2024	100000017589	Annual Unfunded Liability	10-670-5120	366,201.00	366,201.00	M
202407153							
07/24	07/15/2024	100000017589	Annual Unfunded Liability	10-670-5120	6,688.00	6,688.00	M
Total CalPERS Required Contribution:						<u>372,889.00</u>	
CALPERS Retirement							
202407151							
07/24	07/15/2024	7.12 PAYDATE	EE & ER Retirement- Administration	10-400-5120	6,143.58	6,143.58	M
07/24	07/15/2024	7.12 PAYDATE	EE & ER Retirement- Laboratory	10-560-5120	4,119.14	4,119.14	M
07/24	07/15/2024	7.12 PAYDATE	EE & ER Retirement- Collections	10-460-5120	7,751.46	7,751.46	M
07/24	07/15/2024	7.12 PAYDATE	EE & ER Retirement- Maintenance	10-480-5120	2,608.16	2,608.16	M
07/24	07/15/2024	7.12 PAYDATE	EE & ER Retirement- Laboratory	10-560-5120	1,622.52	1,622.52	M
07/24	07/15/2024	7.12 PAYDATE	EE & ER Retirement- Plant	10-600-5120	10,089.55	10,089.55	M
202407291							
07/24	07/29/2024	7.26 PAYDATE	EE & ER Retirement- Administration	10-400-5120	5,049.89	5,049.89	M
07/24	07/29/2024	7.26 PAYDATE	EE & ER Retirement- Engineering	10-420-5120	4,271.78	4,271.78	M
07/24	07/29/2024	7.26 PAYDATE	EE & ER Retirement- Collections	10-460-5120	8,038.39	8,038.39	M
07/24	07/29/2024	7.26 PAYDATE	EE & ER Retirement- Maintenance	10-480-5120	2,300.35	2,300.35	M
07/24	07/29/2024	7.26 PAYDATE	EE & ER Retirement- Laboratory	10-560-5120	1,691.78	1,691.78	M
07/24	07/29/2024	7.26 PAYDATE	EE & ER Retirement- Plant	10-600-5120	10,521.76	10,521.76	M
Total CALPERS Retirement:						<u>64,208.36</u>	
Caltest Analytical Laboratory							
30000584							
08/24	08/05/2024	721252	Outside Lab Testing	10-560-5329	3,330.70	3,330.70	
Total Caltest Analytical Laboratory:						<u>3,330.70</u>	
Campbell, Christopher							
30000585							
08/24	08/05/2024	24/25 WELLNE	Wellness Program Reimbursement 24/25	10-600-5170	500.00	500.00	
Total Campbell, Christopher:						<u>500.00</u>	
Caselle Inc							
21200							
08/24	08/05/2024	134330	Contract Support for August	10-400-5362	1,668.00	1,668.00	

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GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
Total Caselle Inc:						1,668.00
Central Marin Sanitation Agency						
30000586						
08/24	08/05/2024	INV01628	FY24 Q4 Countywide Public Education Program	10-400-5347	2,513.83	2,513.83
Total Central Marin Sanitation Agency:						2,513.83
Cintas Corporation						
21201						
08/24	08/05/2024	4198794578	Laundry Service for week of 7/15/2024	10-600-5334	353.40	353.40
08/24	08/05/2024	4198794578	Laundry Service for week of 7/15/2024	10-460-5334	353.40	353.40
08/24	08/05/2024	4199497469	Laundry Service for week of 7/21/2024	10-600-5334	353.40	353.40
08/24	08/05/2024	4199497469	Laundry Service for week of 7/21/2024	10-460-5334	353.40	353.40
Total Cintas Corporation:						1,413.60
Contractor Compliance and Monitoring, In						
30000587						
08/24	08/05/2024	21465	STPURWE Labor Compliance Services - Myers & Sons	10-902-5601	115.00	115.00
08/24	08/05/2024	21466	STPURWE Labor Compliance Services - Kennedy Jenks	10-902-5601	80.50	80.50
08/24	08/05/2024	21467	Grit Screw Conveyor System Replacement	10-907-5601	80.50	80.50
08/24	08/05/2024	21468	Standby Generators System Replacement	10-805-5601	46.00	46.00
08/24	08/05/2024	21469	STPURWE Labor Compliance Services - DAC	10-902-5601	23.00	23.00
08/24	08/05/2024	21470	Venetia Harbor Pump Station Concrete Slab Repair	10-810-5601	60.75	60.75
08/24	08/05/2024	21471	On-Call contract for labor compliance services	10-420-5342	7,387.75	7,387.75
Total Contractor Compliance and Monitoring, In:						7,793.50
Custom Tractor Service						
30000588						
08/24	08/05/2024	LGVSDD1701	Irrigation Maintenance @ Reclamation	10-580-5323	95,000.00	95,000.00
08/24	08/05/2024	LGVSDD1702	Field 7 dryland 60 acre hay cutting bailing and stacking	10-580-5323	20,916.50	20,916.50
Total Custom Tractor Service:						115,916.50
Direct Dental Administrators LLC						
202407251						
07/24	07/25/2024	S20240726-28	Dental Payment - Administration	10-400-5117	478.22	478.22
07/24	07/25/2024	S20240726-28	Dental Payment - Collections	10-460-5117	571.04	571.04
Total Direct Dental Administrators LLC:						1,049.26
Downing Heating Inc						
30000589						
08/24	08/05/2024	F-11270	HVAC Maintenance	10-600-5311	1,022.30	1,022.30
Total Downing Heating Inc:						1,022.30
Edelstein, Daniel						
30000590						
08/24	08/05/2024	JUNE 2024	Canada Goose Addling Project & NPDES Permit Requirements	10-580-5342	4,138.25	4,138.25
Total Edelstein, Daniel:						4,138.25

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
EOA Inc						
30000591						
08/24	08/05/2024	LG34-0624	Technical support for NPDES Permits	60-620-5341	1,597.17	1,597.17
08/24	08/05/2024	LG34-0624	Technical support for NPDES Permits	10-600-5341	9,050.58	9,050.58
Total EOA Inc:						10,647.75
Fastenal Company						
30000592						
08/24	08/05/2024	CAPET70300	Misc. Supplies	10-480-5317	500.69	500.69
Total Fastenal Company:						500.69
Freyer & Laureta Inc						
30000593						
08/24	08/05/2024	24-385	On-Call Contract for Engineering Services 2023-2024	10-745-5601	1,332.50	1,332.50
08/24	08/05/2024	34-386	Emergency Bypass Pumping Analysis & Response Plan	10-903-5601	2,709.30	2,709.30
Total Freyer & Laureta Inc:						4,041.80
FutureSense LLC						
30000594						
08/24	08/05/2024	2724544	Team Building Training	10-400-5331	10,000.00	10,000.00
Total FutureSense LLC:						10,000.00
HASA Inc.						
30000595						
08/24	08/05/2024	971143	Chemicals 6-26-24	10-600-5281	14,270.18	14,270.18
Total HASA Inc.:						14,270.18
Huang, Yi Ying						
30000596						
08/24	08/05/2024	2024/25 WELL	Wellness Reimbursement 24/25	10-420-5170	500.00	500.00
Total Huang, Yi Ying:						500.00
Inskeep, Stephen						
21202						
08/24	08/05/2024	WELLNESS R	Wellness Reimbursement 24/25	10-600-5170	491.61	491.61
Total Inskeep, Stephen:						491.61
Jackson's Hardware Inc						
21203						
08/24	08/05/2024	159375	Fasteners	10-600-5317	13.09	13.09
Total Jackson's Hardware Inc:						13.09
Jefferson Security Systems						
21204						
08/24	08/05/2024	R25493	Alarm Service July 2024 - Sept 2024	10-480-5311	270.00	270.00
08/24	08/05/2024	S12168	Alarm Service - Remove D. Starnes & A. Taverna	10-480-5311	90.00	90.00
Total Jefferson Security Systems:						360.00

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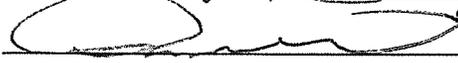
GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
Liebmann, Mel						
30000597						
08/24	08/05/2024	WELLNESS R	Wellness Reimbursement 24/25	10-600-5170	500.00	500.00
Total Liebmann, Mel:						500.00
Marin County Tax Collector						
21205						
08/24	08/05/2024	LAFCO CHAR	LAFCO charges FY 2024/25	10-400-5337	10,418.17	10,418.17
Total Marin County Tax Collector:						10,418.17
Marin Sonoma Mosquito & Vector Control						
21206						
08/24	08/05/2024	1677	Mosquito Control @ Ponds	10-580-5312	967.48	967.48
Total Marin Sonoma Mosquito & Vector Control:						967.48
Marin Water						
21207						
08/24	08/05/2024	300SMITH RA	Water Service- 300 Smith Ranch Rd	10-600-5427	6,168.32	6,168.32
08/24	08/05/2024	DESCANSO 4/	Water Service - Descanso Way	10-500-5427	79.54	79.54
08/24	08/05/2024	HAWTHORNE	Water Service- Hawthorne PS	10-500-5427	79.54	79.54
08/24	08/05/2024	MEADOW DR.	WaterService - Meadow Drive	10-500-5427	88.57	88.57
08/24	08/05/2024	REDWOOD HY	Water Service- Redwood PS	10-500-5427	206.21	206.21
08/24	08/05/2024	VENDOLA 4/25	Water Service - Vendola Dr.	10-500-5427	80.62	80.62
08/24	08/05/2024	MCINNIS PK 4/	Water Service- 300 Smith Ranch RdMcInnis PK	10-500-5427	179.12	179.12
08/24	08/05/2024	MCPHAILS PU	Water Service - McPhails	10-500-5427	2,819.42	2,819.42
08/24	08/05/2024	PAUL DRIVE 4/	Water Service - Paul Drive	10-500-5427	72.91	72.91
08/24	08/05/2024	SMITH RANCH	Water Service - Smith Ranch	10-500-5427	72.91	72.91
08/24	08/05/2024	MERRYDALE	Merrydale Road	10-500-5427	76.89	76.89
Total Marin Water:						9,924.05
Murray, Craig						
30000598						
08/24	08/05/2024	JULY 24 HEAL	Health Reimbursement	10-440-5115	125.00	125.00
Total Murray, Craig:						125.00
Nitzberg, Barry						
30000599						
08/24	08/05/2024	JULY 24 MED	Health Reimbursement	10-440-5115	200.00	200.00
Total Nitzberg, Barry:						200.00
Noll & Tam Architects						
21208						
08/24	08/05/2024	0060931	Multipurpose Laboratory Building	10-764-5601	17,410.00	17,410.00
Total Noll & Tam Architects:						17,410.00
Orion Protection Services Group Inc						
30000600						
08/24	08/05/2024	13494	Nightly Patrol- Smith Ranch	10-600-5337	379.64	379.64

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
Total Orion Protection Services Group Inc:						379.64
Regional Government Services						
30000601						
08/24	08/05/2024	17081	Contract Services for June	10-400-5342	2,095.55	2,095.55
Total Regional Government Services:						2,095.55
RelaDyne						
30000602						
08/24	08/05/2024	460 0140317-I	Diesel- Collections	10-460-5231	1,072.75	1,072.75
08/24	08/05/2024	460 0140317-I	Unleaded- Collections	10-460-5233	803.72	803.72
08/24	08/05/2024	600 0140317-I	Diesel- Plant	10-600-5231	1,072.75	1,072.75
08/24	08/05/2024	600 0140317-I	Unleaded- Plant	10-600-5233	803.72	803.72
Total RelaDyne:						3,752.94
Riedinger Consulting						
21209						
08/24	08/05/2024	2024-953	STPURWE Additional PCO Support	10-902-5601	2,712.50	2,712.50
Total Riedinger Consulting:						2,712.50
Robards, Gary						
30000603						
08/24	08/05/2024	JULY 24 MED	Health Reimbursement	10-440-5115	200.00	200.00
Total Robards, Gary:						200.00
Taverna, Anthony						
30000604						
08/24	08/05/2024	24/25 WELLNE	Wellness Reimbursement 24/25	10-480-5170	500.00	500.00
Total Taverna, Anthony:						500.00
Terryberry						
30000605						
08/24	08/05/2024	Q73563	Employee Recognition- D Moore	10-400-5229	143.53	143.53
Total Terryberry:						143.53
United Site Services						
21210						
08/24	08/05/2024	INV-4655721	Porta Potties at plant	10-600-5339	1,271.66	1,271.66
Total United Site Services:						1,271.66
Univar USA Inc.						
30000606						
08/24	08/05/2024	52264236	Sodium Hypochlorite - Annual FY 24/25 Budget	10-600-5281	17,415.89	17,415.89
Total Univar USA Inc.:						17,415.89
West Yost						
21211						
08/24	08/05/2024	2059175	Grant funding, tracking and application services	10-420-5342	2,609.25	2,609.25

M = Manual Check, V = Void Check

GL Period	Check Issue Date	Invoice Number	Description	Invoice GL Account	Invoice Amount	Amount
Total West Yost:						2,609.25
WEX Health Inc.						
20240716	07/24	07/16/2024 FSA 7/13/2024	FSA Reimbursement	10-000-2130	356.19	356.19
20240725	07/24	07/25/2024 0001977439-IN	FSA Administration - June	10-000-2130	50.00	50.00
202407152	07/24	07/15/2024 7/12/24 FSA	FSA Reimbursement	10-000-2130	159.34	159.34
Total WEX Health Inc.:						565.53
Woodland Center Auto Supply Inc.						
21212	08/24	08/05/2024 848428	Misc. Supplies	10-480-5311	89.02	89.02
Total Woodland Center Auto Supply Inc.:						89.02
WRA INC						
21213	08/24	08/05/2024 26227-3-53937	Two Additional Years of Revegetation Monitoring for Lower Miller Cre	10-812-5601	2,177.56	2,177.56
Total WRA INC:						2,177.56
Yezman, Crystal						
30000607	08/24	08/05/2024 JULY 24 MED	Health Reimbursement	10-440-5115	200.00	200.00
Total Yezman, Crystal:						200.00
Grand Totals:						783,253.32

Board Member: _____
 General Manager:  08/06/2024
 Finance Manager: 

Agenda Item 2C
Date August 15, 2024

Directors' Meeting Attendance Recap

<u>Name</u>	<u>Total Meetings</u>
Megan Clark	5
Barry Nitzberg	4
Craig Murray	6
Gary Robards	5
Crystal Yezman	<u>5</u>
Total	<u><u>25</u></u>

Meeting Date: 8/15/2024

Paydate: 8/23/2024

BOARD MEMBER ATTENDANCE FORM

Director's Name: MEGAN CLARK Month: JULY 2024

Board Members shall be compensated for up to the legal limit of six (6) meetings per month and one (1) per day. Board members are limited to four (4) conferences or seminars per year. For multi-day conferences, compensation shall be at a maximum of one (1) meeting per day.

REGULAR and SPECIAL MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
3 rd	Special - Solar	X	
18 th	Reg.	X	
TOTAL		<u>2</u>	

OTHER MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
12 th	NBWA	X	
30 th	CASA - travel day	X	
31 th	CASA	X	
24th	NRWA for contract expiration	X	
TOTAL		X <u>3</u>	

Total Meetings for which I am Requesting Payment:
Max of six (6) per Health & Safety Code §4733 ~~X~~ 5

I hereby certify that the meetings as set forth above are true and correct and are for the purpose of conducting official business for the Las Gallinas Valley Sanitary District.

Megan Clark
Director Signature

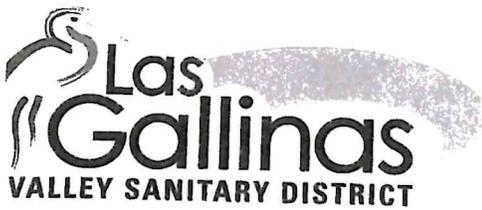
7-17-24
Date

[Signature]
Administrative Services Manager Approved

8/12/24
Date

[Signature]
Board Secretary Received

7.18.24
Date



101 Lucas Valley Road, Suite 300, San Rafael, CA 94903

Office: 415.472.1734 Fax: 415.499.7715

BOARD MEMBER ATTENDANCE FORM

Director's Name: Barry Nitzberg Month: July 2024

Board Members shall be compensated for up to the legal limit of six (6) meetings per month and one (1) per day. Board members are limited to four (4) conferences or seminars per year. For multi-day conferences, compensation shall be at a maximum of one (1) meeting per day.

REGULAR and SPECIAL MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
7/2/24	Board Meeting	X	
7/18/24	Board Meeting	X	
TOTAL		2	

OTHER MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
07/30/24	Travel To CASA	X	
07/31	Attend CASA Conference	X	
TOTAL		2	

Total Meetings for which I am Requesting Payment: Max of six (6) per Health & Safety Code §4733	4
--	----------

I hereby certify that the meetings as set forth above are true and correct and are for the purpose of conducting official business for the Las Gallinas Valley Sanitary District.

Barry Nitzberg
Director's Signature

7/24/24
Date

[Signature]
Administrative Services Manager Approved

8/12/24
Date

[Signature]
Board Secretary Received

7/29/24
Date



101 Lucas Valley Road, Suite 300, San Rafael, CA 94903

Office: 415.472.1734 Fax: 415.499.7715

BOARD MEMBER ATTENDANCE FORM

Director's Name: MURRAY, Craig K. Month: July 2024

Board Members shall be compensated for up to the legal limit of six (6) meeting per month and one (1) per day. Board members are limited to four (4) conferences or seminars per year. For multi-day conferences, compensation shall be at a maximum of one (1) meeting per day.

REGULAR and SPECIAL MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
7/2/24	Special Board Meeting	X	
7/18/24	Board Meeting	X	
7/26/24	Ad Hoc Committee Meeting - Biosolids	X	
TOTAL		3/3	

OTHER MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
7/7,28/24	Merrydale Road/Las Gallinas Creek Headwater Litter & Debris Removal c/o City of San Rafael: 7/7 0.5 hrs; 7/28 1.5 hrs		XX
7/11/24	CASA Air Quality, Climate Change & Energy (ACE) Workgroup Meeting	X	
7/30/24	EESI – 2024 Congressional Renewable Energy and Energy Efficiency EXPO and Policy Forum		X
7/30/24	CASA Conference Travel Day	X	
7/31/24	CASA Annual Conference - Monterey	X	
TOTAL		3/6	

Total Meetings for which I am Requesting Payment: Max of six (6) per Health & Safety Code 54733	6/9
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I hereby certify that the meetings as set forth above are true and correct and are for the purpose of conducting official business for the Las Gallinas Valley Sanitary District.



 Director Signature



 Administrative Services Manager Approved



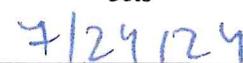
 Board Secretary Received

July 24, 2024

 Date



 Date



 Date



101 Lucas Valley Road, Suite 300, San Rafael, CA 94903

Office: 415.472.1734 Fax: 415.499.7715

BOARD MEMBER ATTENDANCE FORM

Director's Name: GARY ROBARDS Month: July ~~1987~~ 2024

Board Members shall be compensated for up to the legal limit of six (6) meetings per month and one (1) per day. Board members are limited to four (4) conferences or seminars per year. For multi-day conferences, compensation shall be at a maximum of one (1) meeting per day.

REGULAR and SPECIAL MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
7/2/24	Board Meeting	X	
7/18/24	Board Meeting	X	
TOTAL		2	

OTHER MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
7/10/24	GALLINAS WATERSHED	X	
7/30/24	CASA Conference	X	
7/31/24	CASA Conference	X	
TOTAL		3	

Total Meetings for which I am Requesting Payment: 5
 Max of six (6) per Health & Safety Code §4733

I hereby certify that the meetings as set forth above are true and correct and are for the purpose of conducting official business for the Las Gallinas Valley Sanitary District.

Gary Robards
 Director Signature

7/26/24
 Date

[Signature]
 Administrative Services Manager Approved

8/12/24
 Date

[Signature]
 Board Secretary Received

7/26/24
 Date



101 Lucas Valley Road, Suite 300, San Rafael, CA 94903
 Office: 415.472.1734 Fax: 415.499.7715

BOARD MEMBER ATTENDANCE FORM

Director's Name: _____ Crystal Yezman _____ Month: _____ July 2024 _____

Board Members shall be compensated for up to the legal limit of six (6) meetings per month and one (1) per day. Board members are limited to four (4) conferences or seminars per year. For multi-day conferences, compensation shall be at a maximum of one (1) meeting per day.

REGULAR and SPECIAL MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
07/18/2024	Regular Board Mtg	X	
07/02/2024	Closed Session - Board Mtg	X	
TOTAL		2	

OTHER MEETINGS		CHARGING DISTRICT	
Date	Description of meeting	Yes	No
07/30/2024	Travel Day - CASA Conference	X	
07/31/2024	CASA Conference, CSRMA Board Meeting	X	
07/26/2024	Biosolids Ad Hoc Meeting	X	
TOTAL		3	

Total Meetings for which I am Requesting Payment: Max of six (6) per Health & Safety Code §4733	5
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I hereby certify that the meetings as set forth above are true and correct and are for the purpose of conducting official business for the Las Gallinas Valley Sanitary District.

 Director Signature

08/05/2024

 Date
 29 8/12/24
 8/17/24

AGENDA ITEM 2D
DATE August 15, 2024



BOARD MEMBER CONFERENCE/ MEETING/WEBINAR ATTENDANCE REQUEST

Date: 7/19/24 Name: CRAIG K. MURRAY

I would like to attend the WASTEWATER OPERATION BASICS Meeting
of RCAE

To be held on the 13TH day of AUGUST from 10 a.m. / p.m. to
13TH day of AUGUST from 2 a.m. / p.m.

Location of meeting: SEA RANCH, CA

Actual meeting date(s): AUG. 13, 2024

Meeting Type: (In person/Webinar/Conference) IN PERSON

Purpose of Meeting: WW OPERATIONS

Meeting relevance to District: BASIC ELEMENTS IN WW OPERATIONS

Board Members to register for Webinars and Meetings

YES NO

Request assistance from Board Secretary to register for Conference only:

Board Directors to make their own Hotel Reservations and book their own transportation including airfare, taxi and/or shuttles.

Frequency of Meeting: 1x

Estimated Costs of Travel (if applicable): ~\$300 MEALS + MILEAGE

Date submitted to Board Secretary: 7/19/24

Board approval obtained on Date: _____

Please submit this form to the Board Secretary no later than 1 week prior to the Board Meeting.

Wastewater Operation Basics & Operator Certification 081324

Registration

Attendee

Fee End Date	Fee Description	Amount	
8/13/2024	No charge	Free	REGISTER HERE

Event Date & Time

8/13/2024 10:00 AM - 8/13/2024 2:00 PM

Location

Sea Ranch: Del Mar Recreation Center
40600 Leeward Road
Sea Ranch, California 95497

Wastewater Operation Basics & Operator Certification

Accreditation:

This training does not qualify for CEUs/credits.

Certificate of participation will be available through your profile.

Date & Time:

The Wastewater Operation Basics & Operator Certification training will be held on the following date and time:

August 13 | 10:00AM-2:00PM

This training is being held in Pacific Time

Description:

Description coming soon!

Location:

This training will be hosted at the following address:

Sea Ranch: Del Mar Recreation Center
40600 Leeward Road
Sea Ranch, California 95497

[Click here for Google map directions.](#)

Scholarship & Fees:

Wastewater Operation Basics & Operator Certification is a free training to attend.

Registration:

Please register on this page.

For registration questions, contact:

RCAC Events
registration@rcac.org
(916) 447-9832 ext. 1429

By registering for an RCAC event, you acknowledge and agree to abide by the code of conduct set forth by RCAC for training participants, which is available [here](#). RCAC Training Code of Conduct. Please read the code of conduct carefully before proceeding with the registration process.

RCAC is an equal opportunity provider, employer, and lender.

Registration

Attendee

Fee End Date	Fee Description	Amount
8/13/2024	No charge	Free

[REGISTER HERE](#)

[Home](#)

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Item Number _____ 2E _____

GM Review _____ CP _____

Agenda Summary Report

To: Board of Directors
From: Michael P. Cortez, PE, District Engineer
 (415) 526-1518; mcortez@lqvsd.org
Mtg. Date: August 15, 2024
Re: Kennedy Jenks Contract Amendment 2 for IWMP Phase 3
Item Type: Consent Action _____ Information _____ Other _____
Standard Contract: Yes No _____ (See attached) Not Applicable _____

STAFF RECOMMENDATION

Board to approve Contract Amendment 2 with Kennedy Jenks for Integrated Wastewater Master Plan (IWMP) Phase 3 in the amount \$302,350.

BACKGROUND

In December 2019, the District awarded Kennedy Jenks a contract to develop a risk-based master plan for the treatment plant, collections system, and reclamation area. The objective was to develop a comprehensive roadmap of future improvements with defensible cost estimates, which the District would use for future rate study and fiscal year CIP budgeting. Kennedy Jenks has completed Phase 1 and Phase 2 and submitted the following deliverables to the District:

- Phase 1: Business Risk Vulnerability Assessment (BRVA)
 - Preliminary assessment of risks for the Collection System, Treatment Plant, Climate Change, Physical and Digital Security, including Asset Management Program
 - Heat Map
- Phase 2: Detailed Assessments
 - More risk-based analysis of Phase 1 assets including Risk Mitigation Solutions, Miller Creek Management, Disaster Resilience Assessment, Land Management and Optimization.

In response to staff request, Kennedy Jenks submitted a proposal for Phase 3 in the amount of \$302,350. The scope includes:

- Capacity & Hydraulic Analysis
- Deferred Phase 2 IWMP Elements, such as:
 - Biosolids Management Facilities Assessment
 - Climate Change and Sea Level Rise (SLR) Assessment by ESA
 - Physical and Digital Security Assessment by West Yost
 - Miller Creek Flood, SLR Adaptation, and Maintenance Management
 - Energy Management by Alternative Energy System Consulting (AESC)

The overall objective of Phase 3 is to develop a 5-Year Capital Improvement Plan (CIP) consisting of tentatively 24 CIP projects based on findings and recommendations from Phases 1 and 2 and parallel studies by the following contributing consultants:



- Aqua Engineers – WWTP Hydraulic Analysis
- Freyer & Laureta – Miscellaneous Pump Station Improvements and Emergency Response Plan
- GHD/Parson/Hazen & Sawyer – Biosolids Program
- Hazen & Sawyer – Collections System Hydraulic Analysis
- Pacific Wastewater Optimization – Actions to Potentially Eliminate Blending and STPURWE Hydraulic Grade Line Analysis
- West Yost – Cyber Security

District staff reviewed Kennedy Jenks’ proposal for Phase 3 and deemed the scope and fee schedule reasonable.

PREVIOUS BOARD ACTION

1. On December 5, 2019, the Board approved the award of a contract to Kennedy Jenks for the IWMP and authorized a budget in the amount of \$300,000 for Phase 1.
2. On November 19, 2020, the Board approved Contract Amendment 1 with Kennedy Jenks for Phase 2 in the amount of \$767,000.

ENVIRONMENTAL REVIEW

N/A

FISCAL IMPACT

\$302,350. This is within the budget allocation of \$350,000 for FY 2024-25.

7 August 2024

Mr. Michael P. Cortez, P.E.
District Engineer
Las Gallinas Valley Sanitary District
300 Smith Ranch Road
San Rafael, CA 94903

Subject: Proposal for Professional Services for an Integrated Wastewater Master Plan
Phase 3
KJ 2068001*02

Dear Mr. Cortez:

This letter scope is provided at your request for Professional Services for Phase 3 of the Integrated Wastewater Master Plan (IWMP) for the Las Gallinas Valley Sanitation District (District). Phase 2 of the IWMP is undergoing completion and this proposed amendment provides details for overlapping transition activities from Phase 2 to Phase 3 and all Phase 3 activities.

Strategic Initiatives and Long-range Goals

The District's long-term plan is to programmatically develop the following six strategic initiatives, with specific tactical goals identified for each category:

1. Improved operational efficiency
2. Beneficial use of biosolids
3. Improved operational resilience
4. Conduct organizational review
5. Asset management
6. Facility use, access, and facility planning

These categories provide the framework for the District's efforts and are used to guide and focus the work scope detailed in this amendment

Scope of Services

The District's IWMP is divided into three phases, as follows:

- Phase 1: BRVA / Preliminary Assessments (FY 19/20)
- Phase 2: Detailed Assessments (FY 20/21 through FY (23/24)
- Phase 3: Integrated Wastewater Master Plan Recommendations (FY 24/25)

Phases 1 and 2 have been completed. This proposal addresses Phase 3 which will bring together the outcomes from Phases 1 and 2.

Phase 3: Mitigation Improvements

Phase 3 builds upon the results of the Phase 2 functional performance assessments based on updated risk profile resulting from assessments of system physical and non-physical conditions.

3.1: Project Management & Quality Assurance/Quality Control (QA/QC)

Kennedy Jenks (KJ) will manage the proposed scope, schedule, and budget. This task consists of project monitoring and administration and project quality assurance/quality control (QA/QC) activities.

3.1A Project Management:

KJ will set up the project within KJ's accounting system and prepare subconsultant agreements. Monthly invoices and status reports will be prepared and delivered to the District.

3.1B Meetings and Coordination:

KJ will prepare for and participate in the following meetings with the District.

- Phase 3 Project Kick-off meeting (Virtual Meeting)
- 11 monthly status call with the Project Manager (PM) or Deputy PM.
- Three (3) workshops with the District. Workshops will be held in lieu of that month's status call.
 - Workshop 1 will be conducted at the conclusion of Task 3.2 and 3.3 to review of all findings and establish basis of likelihood of failure. Workshop anticipated to be up to 2 hours in duration.
 - Workshop 2 will be conducted during Task 3.4. Feasible concept mitigation strategies will be presented to the District to facilitate the selection of priority Capital Improvement Projects (CIPs) and Risk Mitigation Solutions. Cost estimates will not be developed for to this workshop. Workshop anticipated to be up to 4 hours in duration.
 - Workshop 3 will be conducted at the end of Task 3.4 to review selected CIPs, project costs, and anticipated budgetary planning horizons, as they relate to risk. Workshop anticipated to be up to 2 hours.
- Bi-weekly internal coordination with project team.

3.1C QA/QC:

KJ will provide QA/QC reviews throughout the course of this project consistent with KJ policies. Senior KJ staff will perform reviews.

3.1 Deliverables:

- Meeting agendas and notes in electronic form (Word doc or PDF)
- Monthly invoices and progress status reports

Assumptions:

- This phase of the project is anticipated to be 14 months.
- District provides District staff availability for meetings.
- The Phase 3 kickoff meeting and monthly status calls will be conducted virtually over Microsoft Teams, and workshops will be conducted in person at the District offices.

- Monthly status calls will be attended by up to two (2) KJ team members and will be up to 1 hour in duration.
- District will inform KJ of changes or modifications of existing work, or newly contracted work that affects master planning efforts, including but not limited to, capital improvement projects, land use agreements, permitting changes, flow path changes, equipment decommissioning, and significant staffing changes.
- For projects being done by others that contribute to the IWMP, the District shall provide KJ the contact information for project managers of the respective firms.
- KJ will receive the deliverables from each of the projects done by contributing consultants within 30 days of KJ's request.

3.2: Capacity & Hydraulic Analysis

KJ will incorporate the findings and capital improvement recommendations developed by other contributing consultants for the WWTP and sewer collection system regarding capacity and system hydraulics. Reports prepared by contributing consultants will be reviewed by KJ and included as an appendix to the IWMP. KJ will reference relevant recommendations and findings as they relate to IWMP and the development of concept improvements for risk mitigation and CIP planning. KJ will provide up to six (6) concept mitigation strategies in addition to those developed by contributing consultants.

Sewer System Capacity Analysis: KJ will work collaboratively with the District staff, Hazen and Sawyer (Hazen) to integrate the capital improvement projects into the master plan based on Hazen's hydraulic modeling results and engineering analysis. KJ understands that Hazen will do all modeling and capital improvement identification.

KJ understands that Hazen is building a functional hydraulic model for the gravity portions of the sewer collection system. KJ will use the outputs of the hydraulic model that Hazen developed and integrate the artifacts into the master plan. It is our understanding that KJ will not be responsible for validating the results of the model nor any engineering analysis. Any errors in the model or engineering calculations are not the responsibility of KJ, thus KJ will not be held accountable.

KJ will attend three (3) meetings with Hazen to discuss task initiation, report findings, and risk-based concept mitigation planning for sewer collection piping improvements, and three (3) meetings to discuss task initiation, report findings, and risk-based concept mitigation planning for sewer pump station improvements.

WWTP Hydraulic Analysis: KJ understands that Hazen began designing a flow equalization structure for the WWTP, which was later placed on hold based on a study by Pacific Wastewater Optimization to potentially eliminate blending by upgrading primary effluent pumps. KJ will review and incorporate Hazen's equalization structure preliminary design reports, Brown and Caldwell's recommendations and findings in the Secondary Treatment Plant Upgrades project, and Aqua Engineering's IWMP comments. KJ understands that the District is not requiring KJ to conduct any hydraulic analysis and will rely solely on the analysis done by others, thus KJ will not be held responsible for the quality or accuracy of the analyses.

KJ will attend three (3) meetings with Aqua and Hazen to discuss task initiation, report findings, and risk-based concept mitigation planning for WWTP improvements.

Hydraulic Grade Line Analysis: Pacific Wastewater Optimization (PWO) is performing a hydraulic grade line analysis. For comprehensiveness, PWO's work and recommendations will be included in the

275 Battery Street, Suite 550 | San Francisco, CA 94111

(916) 858-2713 | geraldfejarang@kennedyjenks.com

IWMP. Materials developed by PWO will be provided to KJ by LGVSD.

Actions to Potentially Eliminate Blending: PWO is performing a preliminary design to the Primary Effluent Pump Station and Secondary Clarifiers to as a cost effective method to potentially eliminate blending to meet the NPDES Permit requirements. For comprehensiveness, PWO's work, and recommendations will be included in the IWMP. Materials developed by PWO will be provided to KJ by LGVSD.

3.2 Deliverables:

- Results shall be discussed during Workshop 1. Findings and assessments will be described in relevant sections within the IWMP.
- KJ will provide up to six (6) concept mitigation strategies for WWTP improvements and collection system improvements in addition to those developed by contributing consultants.

3.2 Assumptions:

- The District will provide contact information for Hazen project managers for all contracts that relate to the overall mission of the IWMP.
- The District will provide reports done by others that may influence the master plan objectives.
- Meetings with contributing consultants will be conducted over Microsoft Teams and will be up to 1 hour in duration.
- KJ will not be held responsible for errors or inaccuracies represented in any reports done by others.
- Contributing consultants will fully develop Class-5 cost estimates for any capital improvement recommendations associated with this task.
- KJ will convey findings from Phase 1 and Phase 2 of the IWMP as it relates to work done by the contributing consultants if the findings are relevant to system improvements.

3.3 Deferred Phase 2 IWMP Elements

3.3A Biosolids Management Facilities Assessment

KJ understands that multiple contributing consultants are under a separate contract which has completed work related to biosolids management. To avoid overlap, KJ will review the contributing consultants' report findings and summarize the current mid- term to long-term improvement plan developed by the multiple contributing consultants and incorporate into the IWMP.

KJ will attend four (4) meetings with multiple contributing consultants to discuss task initiation, report findings, and risk-based concept mitigation planning. KJ will include the contributing consultants' report in the Appendices of the IWMP. KJ will assess and comment on recommendations and incorporate these findings, as approved by the District into Task 3.4.

3.3A Deliverables:

- Results shall be discussed during Workshop 1. Findings and assessments will be described in relevant sections within the IWMP.
- KJ will provide up to 2 concept mitigation strategies for biosolids facility improvements.

3.3A Assumptions:

- KJ is not expected to conduct any further analysis relative to the Biosolids Management Facilities and will not be held accountable for results based on work done by others.
- The District will provide contact information for contributing consultant project managers for all contracts that relate to the overall mission of the IWMP.
- Meetings with multiple contributing consultants will be conducted over Microsoft Teams and are anticipated to be up to 1 hour in duration.
- The District will provide reports received from contributing consultants for all contracts that relate to the overall mission of the IWMP.
- Representatives from multiple contributing consultants will be made available for communication and meetings with KJ.
- KJ will not be held responsible for errors or inaccuracies represented in any reports done by others.
- Contributing consultants will fully develop Class-5 cost estimates (rough order of magnitude estimates) for any capital improvement recommendations associated with this task.
- KJ will convey findings from Phase 1 and Phase 2 of the IWMP as it relates to work done by the contributing consultants if the findings are relevant to system improvements.

3.3B: Recycled Water System Summary

A recycled water system assessment will not be conducted as part of the IWMP. However, a brief description of the District's recycled water system will be provided in the IWMP.

3.3B Deliverables:

- A summary of the District's recycled water system will be provided in the IWMP.

3.3B Assumptions:

- The District will provide contracts with wholesale customers and recycled water annual report.

3.3 C: Climate Change and Sea Level Rise (SLR) Assessment

Working with its subconsultant ESA, KJ will continue the exposure pathway evaluation to specific exposures from permanent tidal and temporary storm hazards across up to three-time horizons (existing, mid-century, and late-century) for priority collection system and treatment facility assets. Sea-level rise projections will be based on State guidance. The assessment will build on the work completed in Phases 1 and 2 of the IWMP, which included a hazard overlay and flood elevation threshold analyses of the collection system assets but not the treatment plant.

- We will overlay sea-level rise hazard maps for non-storm and storm conditions onto the existing plant asset map to identify potentially vulnerable assets for three (3) time horizons: existing, mid-century, and late-century. At-risk assets will be tabulated and described. Flood pathways will be identified and discussed for implications of vulnerability and opportunities for adaptation. KJ will provide the CAD facility layouts to ESA.
- We will conduct a flood elevation threshold analysis of the treatment plant assets to assess the sea-level rise capacity available for each asset before it is expected to be damaged or compromised by permanent or storm flooding. KJ and ESA will prepare an inventory of potentially vulnerable infrastructure, which will include the asset name, type, current elevation of flood

protection, sensitivity to flooding, adaptive capacity, and potentially other criteria to be determined. We will estimate the approximate time (future year) that each asset would potentially be at risk to non-storm and storm flooding projected by sea-level rise. For each at-risk asset we will consider potential opportunities for adaptation.

- KJ and ESA will identify concept level flood risk mitigation and sea-level rise adaptation options for key infrastructure located within potential storm and tidal hazards areas with a goal to protect the most vulnerable District wastewater systems. Concepts will be developed in the following process:
 - Establish adaptation criteria
 - Identify opportunities and constraints
 - Develop conceptual adaptation alternatives

The adaptation concepts will generally use a combination of strategies (e.g., protect, accommodate, relocate/retreat, hybrid, etc.). KJ will develop illustrative graphics to a conceptual level that focus on primary adaptation actions. Each conceptual adaptation alternative will include a succinct discussion on the adaptation pathways, where different sequences of phased adaptation actions can be taken to yield a desired long-term goal.

ESA's desktop assessment will also include analysis of Miller Creek to identify flood risk, SLR adaptation, and creek channel maintenance needs along the creek – see Task 3.3E for more details.

3.3C Deliverables:

- ESA will provide a Technical Memorandum (TM). This will be reviewed by KJ and then sent to the District for review. Findings and assessments shall be described in relevant sections within the IWMP. ESA TM shall be included in the IWMP Appendices.
- KJ will provide up to 3 concept-level flood risk mitigation and sea-level rise adaptation strategies for the sole purpose of providing a fee estimate for the planning, design, and implementation of those strategies.

3.3C Assumptions

- KJ will strive to integrate information from other related adaptation planning efforts within our available budget.
- Hazard maps will be based on publicly available data sources, such as BCDC Adapting to Rising Tides, USGS CoSMoS, or other available sea-level rise hazard mapping. Hazard maps will not be altered to visualize the anticipated effects of adaptation concepts.
- The District will provide a digital map of wastewater assets at the plant in GIS, AutoCAD, or related software compatibility.

3.3D: Physical and Digital Security Assessment

KJ will assess the District's WWTP and Pump Stations risk(s) relative to physical site security and will provide preliminary mitigation recommendations accordingly. Some site security at the Pump Stations were assessed during the Phase 2 condition assessment; this work will be incorporated into the results. This task will evaluate the same ten (10) pump station facilities using the ASCE AWWA Guidelines for Physical Security of Wastewater/Stormwater Utilities.

KJ understands that West Yost is under contract by the District to perform SCADA security assessments and that KJ will review the West Yost recommendations and incorporate them as part of the short-, mid- and long-term capital improvements strategy. KJ will attend up to three (3) meetings with West Yost to discuss task initiation, report findings, and risk-based concept mitigation planning.

KJ will utilize the West Yost's report in the Appendices of the IWMP. KJ will assess and comment on recommendations and incorporate these findings, as approved by the District into Task 3.4.

3.3D Deliverables:

- Results shall be discussed during Workshop 1. Findings and assessments will be described in relevant sections within the IWMP.
- KJ will review and receive improvement recommendations and engineer's opinion of cost from West Yost. KJ will incorporate the West Yost recommendations into the short-, mid-, and long-term capital improvement plan.
- KJ will perform 1 day of site visits for the physical site security assessment.

3.3D Assumptions:

- District will help facilitate analyses and provide site access and reviews as noted.
- The District will provide contact information for West Yost project managers for all contracts that relate to the overall mission of the IWMP.
- Meetings with West Yost will be conducted over Microsoft Teams and will be up to 1 hour in duration.
- The District will keep KJ apprised of modification or delays in West Yost scope of work.
- The District will provide reports received from West Yost for all contracts that relate to the overall mission of the IWMP.
- Representatives from West Yost will be made available for communication and meetings with KJ.
- District will help facilitate analyses and provide site access and reviews as noted and KJ will perform 1 day of site visits for this assessment.
- KJ will utilize reports done by contributing consultants and include them in the Appendices of the IWMP and will reference relevant recommendations and findings as it relates to IWMP and the development of concept improvements for risk mitigation and CIP planning.
- KJ will not be held responsible for errors or inaccuracies represented in any reports done by others.
- Contributing consultants will fully develop Class-5 cost estimates for any capital improvement recommendations associated with this task.
- KJ will convey findings from Phase 1 and Phase 2 of the IWMP as it relates to work done by the contributing consultants if the findings are relevant to system improvements.

3.3E: Miller Creek Flood, SLR Adaptation, and Maintenance Management

The District utilizes Miller Creek to discharge effluent through two outfalls on the lower tidal reach of Miller Creek. In this location, Miller Creek functions hydraulically as a tidal slough that conveys fluvial storm flows.

KJ has subcontracted ESA to provide a desktop-level assessment of flood risk, sea-level rise adaptation, and creek channel maintenance needs along Miller Creek. This assessment will include discussion of the vulnerability of the wastewater assets and levee system to the 100-year flood event for existing and future conditions with sea level rise. We will develop a conceptual model to illustrate how adaptation actions, such as flood protection improvements, structural modifications to facilities, and creek channel maintenance, could affect treatment plant functions. The objective of this IWMP task is to:

1. Assess existing flood modeling data and conduct a desktop evaluation of whether the Miller Creek

levee elevations are below the 100-year flood elevation (under coastal, fluvial, and combined flood events), and to evaluate potential impacts to District facilities if the levees do overtop.

- a. KJ and ESA assume that the District intends to use the existing FEMA 100-year base flood elevation for fluvial flooding (Miller Creek) and for coastal flooding (San Pablo Bay) from the effective Flood Insurance Rate Maps (FIRMs) as a basis for the analysis of existing conditions flooding with no sea-level rise.
 - b. The combined fluvial & coastal 100-year flood elevation profile has not been evaluated in detail for existing conditions. ESA proposes to create an estimated “assumed design flood elevation” water surface profile based on the available, existing FEMA 100-year flood profile for Miller Creek and the current FEMA 100-year coastal flood elevation using methods to combine the effects of coastal storm surge with riverine runoff, which are described in the FEMA (2005) *Guidelines for Coastal Flood Analysis and Mapping for the Pacific Coast of the United States*.
2. Discuss potential impacts of sedimentation and vegetation growth within the Miller Creek channel on treatment plant operations, and hydraulic and ecological functions of the creek. We will also describe how periods of elevated water level associated with storm surge and high creek discharge affect the discharge of effluent and stormwater by gravity and pumps for existing and future conditions with sea-level rise. This will involve developing a schematic to illustrate the processes and a bullet list of areas that could be affected by these issues.
 3. Identify concept-level flood risk mitigation and sea-level rise adaptation measures.
 - a. Flood risk mitigation measures will be developed with the general goal of providing resilient flood protection for the estimated 100-year fluvial, coastal, and combined flood events.
 - b. KJ and ESA will describe the potential flood protection benefits in qualitative terms and provide estimates for the potential ranges for design geometry parameters required to achieve the desired level of flood protection (e.g., levee heights, channel widths and depths, etc.). Additional studies (including hydrologic and hydraulic analyses) will be needed to verify and refine this qualitative assessment of potential flood protection benefits and are not included in this scope of work.
 4. Identify maintenance best management practices to support levee and channel functions.
 5. Develop a qualitative assessment of implications of sea level rise on future channel and levee maintenance and discuss potential future adaptive management in the context of sea-level rise.
 6. Prepare a brief outline of potential regulatory agency and community outreach efforts to support the proposed flood risk mitigation and sea-level rise adaptation measures.
 - a. KJ, ESA, and LGVSD will discuss outreach priorities, such as outreach to support future permitting, required environmental studies, CEQA compliance, coordination with neighboring landowners, rate payers, and/or outreach to other potentially interested parties.

3.3E Deliverables:

- ESA will provide a Technical Memorandum (TM). This will be reviewed by KJ and then sent to

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 (916) 858-2713 | geraldfejarang@kennedyjenks.com

the District for review. Findings and assessments shall be described in relevant sections within the IWMP. ESA's TM shall be included in the IWMP Appendices.

- KJ will provide up to 2 concept mitigation strategies for Miller Creek improvements.
- KJ will provide a general listing of best maintenance practices to sustain channel performance and levee health.

3.3E Assumptions:

- KJ and ESA will use the latest FEMA studies to determine the design flood elevations. Please note that the FEMA information could be outdated and have inherent inaccuracies.
- Miller Creek water elevations from FEMA may have inherent inaccuracies due to changes to the environmental conditions, plant growth, and past maintenance or construction activities.
- KJ and ESA will develop conceptual adaptation strategies with the aim of providing a 100-year level of flood protection to the District's facilities for present-day sea-levels and for future mid-century and late-century sea-level rise conditions.
- There may be limitations of this analysis due to using the "assumed design flood elevation" water surface profile using the Miller Creek flood elevations from the FEMA information.
- This task does not include continuing the water level gauge program.
- Without modeling the hydrology and the hydraulics associated with Miller Creek, we will not be able to provide a detailed analysis of the relative flood protection. Without hydrology and hydraulic modeling there will be inherent limitations and uncertainties. We assume that analysis of field data (i.e., water level gauges currently installed in Miller Creek) will not be analyzed in this scope of work.
- KJ will not provide a preliminary analysis for a seismic evaluation as it relates to the Miller Creek Levee system. We assume all seismic evaluations will be executed during the preliminary improvement mitigation studies.
- KJ will not develop detailed standard operating procedures relative to Miller Creek's channel performance or levee system.

3.3F: Land Management & Optimization – Removed per District Request

Task details not provided.

3.3G: Energy Management

KJ understands that Alternative Energy System Consulting (AESC) performed an evaluation of the District's energy usage. KJ will evaluate the report findings along with the findings from the SFSU Industrial Assessment Center (IAC) and include improvement recommendations. KJ will utilize AESC's report, and the SFSU Industrial Assessment Center (IAC) in the Appendices of the IWMP and will reference relevant recommendations and findings as it relates to IWMP and the development of concept improvements for risk mitigation and CIP planning. KJ will assess and comment on recommendations and incorporate these findings, as approved by the District into Task 3.4.

3.3G Deliverables:

- Results shall be discussed during Workshop 1. Findings and assessments will be described in relevant sections within the IWMP.
- KJ will have 3 meetings with AESC: task initiation, report findings, and risk-based concept mitigation planning.
- KJ will provide up to 2 concept mitigation strategies for energy management improvements.

3.3G Assumptions:

- KJ will not perform additional energy audits.
- The District will provide contact information for AESC project managers for all contracts that relate to the overall mission of the IWMP.
- The District will keep KJ apprised of modification or delays in AESC scope of work.
- Meetings with AESC will be conducted over Microsoft Teams and are anticipated to be up to 1 hour in duration.
- The District will provide reports received from AESC for all contracts that relate to the overall mission of the IWMP.
- Representatives from AESC will be made available for communication and meetings with KJ.
- KJ will utilize reports done by contributing consultants and include them in the Appendices of the IWMP and will reference relevant recommendations and findings as it relates to IWMP and the development of concept improvements for risk mitigation and CIP planning.
- KJ will not be held responsible for errors or inaccuracies represented in any reports done by others.
- Contributing consultants will fully develop Class-5 cost estimates for any capital improvement recommendations associated with this task.
- KJ will convey findings from Phase 1 and Phase 2 of the IWMP as it relates to work done by the contributing consultants if the findings are relevant to system improvements.

3.4 Risk-Based CIP

Preliminary CIP Options Development

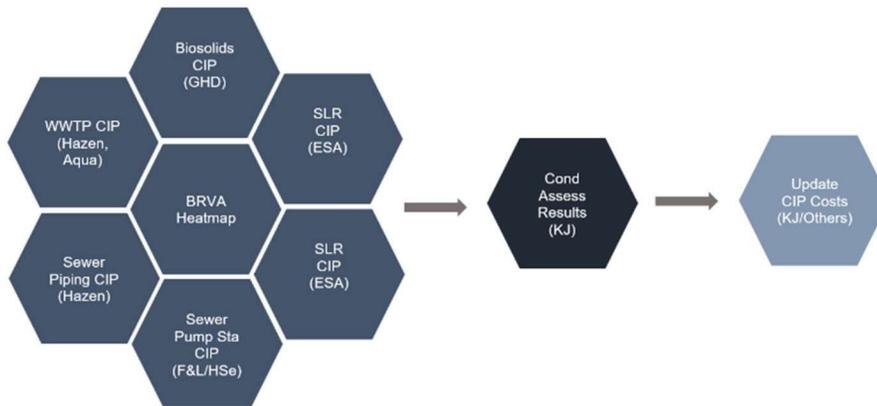
KJ will use the information gathered from the LGVSD 2023 Sewer Rate Study's 5-year Capital Improvement Program schedule and values, the System-level BRVA Heatmap that describes the systems needing improvement as identified by the District and KJ, and work done by contributing consultants. The District recently provided a list of fifty-five (55) CIPs that were used in the 2023 Sewer Rate Study. Based on the LGVSD 2023 Sewer Rate Study CIP 5-year Capital Improvement Program schedule and the District-adjusted BRVA Heatmap, KJ assumes that twenty-four (24) Sewer Collection System and Plant related CIP projects, as shown in Table 1, will be included in the IWMP. Of the 24 CIP projects, KJ assumes that the CIP identification, definition, and Class-5 cost estimation will be done by the other contributing consultants relative to their current IWMP related assignments. As shown in Table 1, 21 projects have been identified by contributing consultants, and three projects have been identified by KJ. KJ will not be held responsible for means or methods CIP projects developed by contributing consultants. Table 1 provides the Sewer Collection and Plant Systems that the District has set aside needing a CIP and that has been included in the 2023 LGVSD Sewer Rate Study.

Table 1 - LGVSD Systems Requiring Capital Improvements

#	LGVSD System-Level Asset	CIP Identified By
1	Civic Center PS	F&L/HSE
2	Headworks	Hazen
3	Smith Ranch PS	F&L/HSE
4	Mulligan Subbasin (Gravity Line)	Hazen
5	Mulligan PS & FM	F&L/HSE/Hazen
6	SCADA	WY
7	PC-1	Aqua
8	John Duckett (Terra Linda) FM & PS	F&L/HSE/GHD
9	John Duckett Subbasin (Gravity Line)	Hazen
10	Terra Linda Siphon	Hazen/GHD
11	Freeway Undercrossing	Hazen/GHD
12	Marinwood Subbasin (Gravity Line)	Hazen
13	Marin Lagoon PS	F&L/HSE
14	Reclamation Area Pasture/Ponds/System	KJ
15	Reclamation System	KJ
16	San Rafael Meadows PS	F&L/HSE
17	Sludge Lagoons	Multiple Contributing Consultants
18	Digester 1	Multiple Contributing Consultants
19	PC-2&3	Aqua
20	Digester 2	Multiple Contributing Consultants
21	Miller Creek Outfall	Aqua
22	Captains Cove	F&L/HSE
23	Lab	KJ
24	Influent Flow Magnetic Flow Meter	Aqua

KJ will work with the District and contributing consultants to prioritize up to 24 CIPs out of the concept mitigation strategies for capital planning, identifying feasible projects for near-, mid-, and long-term solution. **KJ assumes that the contributing consultants will be responsible in preparing CIP summary sheets for the recommended projects or project packages.** Figure 1 provides an illustration as to how KJ will administer the CIP development process with the contributing consultants. *It is important to note that ESA is the only subconsultant to KJ. The other contributing consultants are contracted through the District and are not the responsibility of KJ relative to professional standard of care nor means and methods.*

Figure 1: IWMP Improvements and Contributing Consultants



KJ will present these options to the District at one 4-hour workshop to seek consensus on the CIP lists and project summary descriptions and Class 5 cost estimates.

Final CIP Plan development

KJ will provide a list of WWTP, collection system, and RWF CIPs for budgeting purposes and a related list of upcoming regulations that may be impacted. KJ will consolidate asset needs into logical CIP projects based on asset type, funding, system location, and other considerations and will work with the District to prioritize CIP projects based on risks, regulatory drivers, and financing.

3.4 Deliverables:

- Meeting agenda and materials for Workshop 2
- Meeting agenda and materials for Workshop 3
- Findings shall be described in relevant sections within the IWMP. Cost estimates shall be included in the Appendices of the IWMP
- Class 5 OPCCs for capital improvement projects included in the appendices of the IWMP.
- KJ will provide budgetary cost estimates for non-CIP and O&M business process improvements (for example, improving the asset management systems).
-

3.4 Assumptions:

- KJ will convey findings from Phase 1 and Phase 2 of the IWMP as it relates to work done by the contributing consultants if the findings are relevant to system improvements.
- Contributing consultants will provide OPCCs for recommendations identified in their work.
 - For the purposes of developing a fee estimate for services, KJ is assumed to develop up to 12 OPCCs for capital improvements. KJ will develop three estimates for projects already identified by KJ (see lines 14, 15, and 23 in Table 1) and may develop up to 8 additional estimates, for a total of up to 12 cost estimates.
- The District will affirm priority projects prior to cost estimate development.
- District will provide staff for workshops.

3.5: Integrated Wastewater Master Plan

The IWMP will document results of all assessments from KJ and other consultants that contributed their respective efforts directly associated with the IWMP. This task will integrate the Sewer System Capacity, the Wastewater Treatment Plant Capacity, Biosolids Management Facilities, Climate Change and Sea Level Rise Impacts, Physical and Digital Security, and Energy Management recommendations with those at the WWTP and will group asset needs into logical CIP projects based on location, asset type, priority, and financing options and based on preferred alternatives. Deferred Phase 2 tasks will be combined in Appendix files and as Sections of the IWMP to improve efficiency and delivery of the IWMP.

The IWMP will include two maps to convey recommendations:

1. Map of LGVSD sewer system with recommended improvements.
2. Map of LGVSD WWTP with recommended improvements.

3.5 Deliverables:

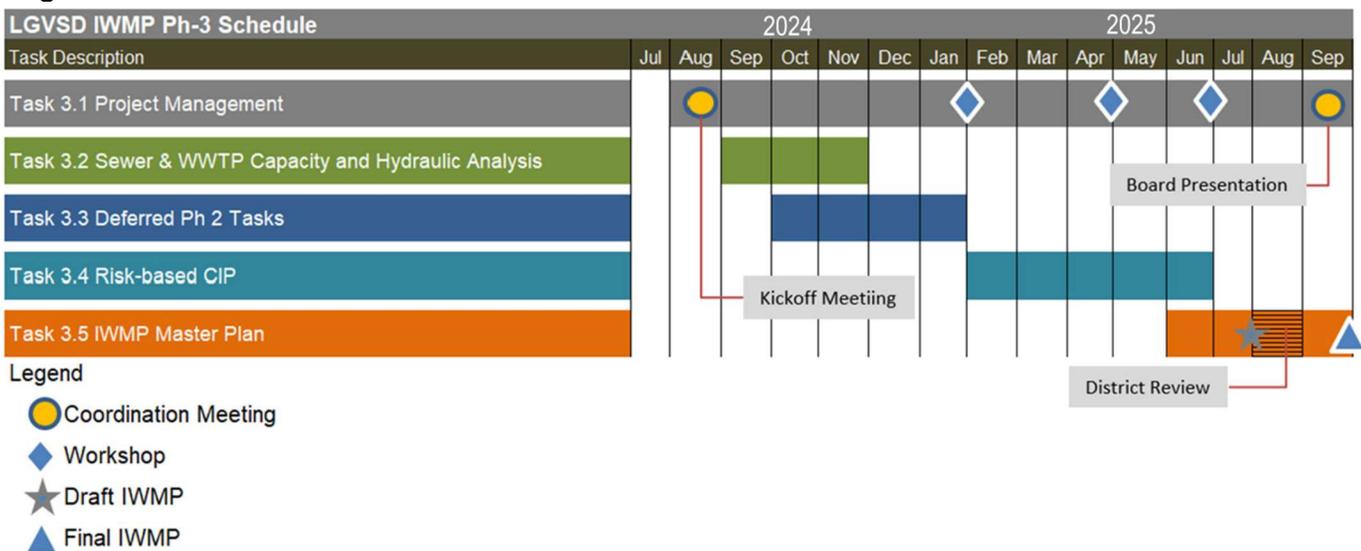
- One (1) Draft Integrated Wastewater Master Plan
- One (1) Final Integrated Wastewater Master Plan
- Materials for one (1) presentation to LGVSD board.

3.5 Assumptions:

- Phase 1 and Phase 2 Technical Memorandums will be included as chapters and Appendices in the IWMP
- Third-party consultant work that falls under the purview of the IWMP will be commented on in relevant sections of the IWMP and the full reports will be included as Appendices.

Project Schedule

Figure 2: Phase 3 Schedule and Tasks



Budget

A summary of the IWMP Phase 3 budget is provided in Table 2. Phase 3 budget will be authorized based on the scope of services detailed herein and will require additional funding for the overall IWMP budget to support additional tasks and services described earlier.

Table 2: Phase 3 Engineering Costs

Task	Cost
3.1 Project Management	\$48,334
3.2 Sewer System & WWTP Capacity & Hydraulic Analysis	\$34,154
3.3 Deferred Phase 2 IWMP Elements	\$212,899
3.3A Biosolids Management Facilities Assessment	\$21,528
3.3B Recycled Water System Assessment	\$5,138
3.3C Climate Change and SLR Assessment	\$97,698
3.3D Physical and Digital Security Assessment	\$15,402
3.3E Miller Creek Management	\$67,101
3.3F Land Management (District Removed)	\$0
3.3G Energy Management	\$6,032
3.4 Risk Based CIP	\$74,339
3.5 Integrated Wastewater Master Plan	\$56,927
CONTRACT AMOUNT	\$426,652

Table 3 provides the overall budget history for all phases of the IWMP project. The last column provides the proposed amended fee for the Phase 3 IWMP effort after applying the \$124,302 to the proposed Phase 3 fee of \$340,631.

Table 3: Overall Budget Summary and Proposed Phase 3 Amendment

IWMP Budget	Phase 1	Phase 2	Phase 3	Phase 3 Amendment
Original Budget/Proposed Fee	\$300,000	\$767,000	\$426,652	\$302,350
Budget Remaining	\$46	\$124,302	\$0	\$0

Closing

We look forward to working with you to develop your Integrated Wastewater Master Plan. Please do not hesitate to contact me with any questions on this letter scope.

Very sincerely yours,

Kennedy/Jenks Consultants, Inc.

Gerald Fejarang
Project Manager

Karina Yap
Deputy Project Manager

Enclosures:
Exhibit A – Fee Schedule

EXHIBIT A – FEE SCHEDULE

Proposal Fee Estimate

Kennedy Jenks

CLIENT Name: Las Gallinas Valley Sanitary District
 PROJECT Description: Integrated Wastewater Master Plan (IWMP) - Phase 3
 Proposal/Job Number: 2068001*02 Date: July 28, 2023



January 1, 2023 Rates																	Total	KJ	KJ	KJ		KJ	KJ	KJ							
Classification:	Eng-Sci-9 Fejarang	Eng-Sci-9 Faller	Eng-Sci-8 M. Cullington	Eng-Sci-8 S. Itagaki	Eng-Sci-8 D. Taffler	Eng-Sci-7 R. Stevens	Eng-Sci-6 J. Larsen	Eng-Sci-5 J. Sloan	Eng-Sci-5 C. Rutten	Eng-Sci-5 E. Kim	Eng-Sci-5 J. Hoffman	Eng-Sci-4 K. Yap	Eng-Sci-4 M. Capaci	Eng-Sci-3 V. Freitas	Eng-Sci-2 C. Eustaquio	Eng-Sci-2 L. Hudson	Project Administrator	Admin. Assist.	Hours	Labor Fees	Escalation	Comm. Charges	ESA Fees	Sub-Markup	ODCs	ODCs Markup	Total Labor	Total Subs	Total Expenses	Total Labor + Subs + Expenses	
Hourly Rate:	\$320	\$320	\$305	\$305	\$285	\$285	\$260	\$240	\$240	\$240	\$240	\$220	\$220	\$200	\$180	\$180	\$140	\$120			0%	4%		10%		10%					
3.1 Project Management & QA/QC																															
3.1A Project Management	10											24						12		46	\$10,160	\$0	\$406		\$0	\$1,000	\$100	\$10,160	\$0	\$1,506	\$11,666
3.1B Meetings & Coordination	25											40	12							77	\$19,440	\$0	\$778		\$0	\$1,000	\$100	\$19,440	\$0	\$1,878	\$21,318
3.1C QA/QC	8			40																48	\$14,760	\$0	\$590		\$0		\$0	\$14,760	\$0	\$590	\$15,350
Subtotal Task 3.1	43	0	0	40	0	0	0	0	0	0	0	64	12	0	0	0	12	0	171	\$44,360	\$0	\$1,774	\$0	\$0	\$2,000	\$200	\$44,360	\$0	\$3,974	\$48,334	
3.2 Capacity and Hydraulic Analysis (Hazen/F&L)																															
3.2A Coordination & Meetings	9											8		6	6					29	\$6,920	\$0	\$277		\$0		\$0	\$6,920	\$0	\$277	\$7,197
3.2B Sewer System Hydraulic Analysis (Hazen F&L)									8			4			8					20	\$4,240	\$0	\$170		\$0		\$0	\$4,240	\$0	\$170	\$4,410
3.2C WWTP Hydraulic Analysis (PWO)										16		8	16	16						56	\$12,320	\$0	\$493		\$0		\$0	\$12,320	\$0	\$493	\$12,813
3.2D.3 Recommendations	8											8		8	8	8	4			44	\$9,360	\$0	\$374		\$0		\$0	\$9,360	\$0	\$374	\$9,734
Subtotal Task 3.2	17	0	0	0	0	0	0	0	8	16	0	28	16	30	22	8	4	0	149	\$32,840	\$0	\$1,314	\$0	\$0	\$0	\$0	\$32,840	\$0	\$1,314	\$34,154	
3.3 Deferred Phase 2 IWMP Elements																															
3.3A Biosolids Management Facilities Assessment																															
3.3A.1 Coordination & Meetings	4		12									8								24	\$6,700	\$0	\$268		\$0		\$0	\$6,700	\$0	\$268	\$6,968
3.3A.2 Solids Handling Assessment (GHD - Mary Martis)			8									8			16					32	\$7,080	\$0	\$283		\$0		\$0	\$7,080	\$0	\$283	\$7,363
3.3A.3 Recommendations			8									6			8	8	2			32	\$6,920	\$0	\$277		\$0		\$0	\$6,920	\$0	\$277	\$7,197
Subtotal Task 3.3A	4	0	28	0	0	0	0	0	0	0	0	22	0	0	24	8	2	0	88	\$20,700	\$0	\$828	\$0	\$0	\$0	\$0	\$20,700	\$0	\$828	\$21,528	
3.3B Recycled Water System Summary																															
3.3B.1 Coordination & Meetings												1								1	\$220	\$0	\$9		\$0		\$0	\$220	\$0	\$9	\$229
3.3B.2 Data Review												2		8						10	\$2,040	\$0	\$82		\$0		\$0	\$2,040	\$0	\$82	\$2,122
3.3B.3 Recycled Water System Assessment												2		8		2	2			14	\$2,680	\$0	\$107		\$0		\$0	\$2,680	\$0	\$107	\$2,787
Subtotal Task 3.3B	0	0	0	0	0	0	0	0	0	0	0	5	0	16	0	2	2	0	25	\$4,940	\$0	\$198	\$0	\$0	\$0	\$0	\$4,940	\$0	\$198	\$5,138	
3.3C Climate Change and SLR Assessment																															
3.3C.1 Coordination & Meetings									8			16								24	\$5,600	\$0	\$224	\$78,000	\$7,800		\$0	\$5,600	\$85,800	\$224	\$91,624
3.3C.2 Climate Change and SLR Assessment (ESA)									4			8		8		8				28	\$5,840	\$0	\$234		\$0		\$0	\$5,840	\$0	\$234	\$6,074
Subtotal Task 3.3C	0	0	0	0	0	0	0	12	0	0	0	24	0	8	0	8	0	0	52	\$11,440	\$0	\$458	\$78,000	\$7,800	\$0	\$0	\$11,440	\$85,800	\$458	\$97,698	
3.3D Physical and Digital Security Assessment																															
3.3D.1 Coordination & Meetings	2					4						4		4						14	\$3,460	\$0	\$138		\$0		\$0	\$3,460	\$0	\$138	\$3,598
3.3D.2 Data Review												2		8						10	\$2,040	\$0	\$82		\$0		\$0	\$2,040	\$0	\$82	\$2,122
3.3D.3 Security Assessment							16					2		8		8				34	\$8,040	\$0	\$322		\$0	\$1,200	\$120	\$8,040	\$0	\$1,642	\$9,682
Subtotal Task 3.3D	2	0	0	0	0	20	0	0	0	0	0	8	0	20	0	8	0	0	58	\$13,540	\$0	\$542	\$0	\$0	\$1,200	\$120	\$13,540	\$0	\$1,862	\$15,402	
3.3E Miller Creek Flood, SLR Adaption, and Maintenance Management																															
3.3E.1 Coordination & Meetings						4		4				2		4						14	\$3,420	\$0	\$137	\$52,000	\$5,200		\$0	\$3,420	\$57,200	\$137	\$60,757
3.3E.2 Miller Creek Management (ESA)						4		4				4		8		8				28	\$6,100	\$0	\$244		\$0		\$0	\$6,100	\$0	\$244	\$6,344
Subtotal Task 3.4E	0	0	0	0	8	0	8	0	0	0	0	6	0	12	0	8	0	0	42	\$9,520	\$0	\$381	\$52,000	\$5,200	\$0	\$0	\$9,520	\$57,200	\$381	\$67,101	
3.3F Land Management & Optimization (District Removed)																															
3.3F.1 Coordination & Meetings																				0	\$0	\$0	\$0		\$0		\$0	\$0	\$0	\$0	\$0
3.3F.2 Land Management and Optimization																				0	\$0	\$0	\$0		\$0		\$0	\$0	\$0	\$0	\$0
Subtotal Task 3.3F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.3G Energy Management																															
3.3G.1 Energy Management and Optimization (AESC)	2											10	2		10	4				28	\$5,800	\$0	\$232		\$0		\$0	\$5,800	\$0	\$232	\$6,032
Subtotal Task 3.3G	2	0	0	0	0	0	0	0	0	0	0	10	2	0	10	4	0	0	28	\$5,800	\$0	\$232	\$0	\$0	\$0	\$0	\$5,800	\$0	\$232	\$6,032	
Subtotal Task 3.3	8	0	28	0	8	20	20	0	0	0	0	75	2	56	34	38	4	0	293	\$65,940	\$0	\$2,638	\$130,000	\$13,000	\$1,200	\$120	\$65,940	\$143,000	\$3,958	\$212,898	
3.4 Risk Based CIP																															
3.5A Coordination & Meetings	8								6			16	16							46	\$11,160	\$0	\$446		\$0		\$0	\$11,160	\$0	\$446	\$11,606
3.5B Remaining Useful Life & Likelihood of Failure Analysis												4	8	16	16					60	\$12,560	\$0	\$502		\$0		\$0	\$12,560	\$0	\$502	\$13,062



Item Number _____ 3.1 _____

GM Review _____ CP _____

Agenda Summary Report

To: Board of Directors
From: Dale McDonald, Administrative Services Manager 
(415) 526-1519 dmcDonald@lqvsd.org
Meeting Date: August 15, 2024
Re: Marin Sanitary Service Update and 2023 Annual Report

Item Type: Consent _____ Action _____ Information X _____ Other _____
Standard Contract: Yes _____ No X (See attached) Not Applicable _____

STAFF RECOMMENDATION

Informational only.

BACKGROUND

The Las Gallinas Valley Sanitary District (District) provides solid waste management services to residents within the unincorporated areas of the District through the franchise agreement with Marin Sanitary Service, the District’s current solid waste franchisee.

In addition to garbage, recycling, and compost services in northern Marin, Marin Sanitary Service plays a critical role in the District’s efforts to implement the statewide organic waste recycling and surplus food recovery program required by SB 1383 to reduce short-lived climate pollutants.

Justin Wilcock from Marin Sanitary Service will present an annual report on the state of Marin Sanitary Service.

The full 2023 Service Area Annual Report is attached and available on our District webpage <https://www.lqvsd.org/trash-collection-and-recycling>.

The Marin Sanitary Service report covers the previous calendar year and serves as a foundation for upcoming discussions related to the franchise agreement. Refuse rate adjustments for 2025 will be considered and brought before the Board in December.

PREVIOUS BOARD ACTION

N/A

ENVIRONMENTAL REVIEW

N/A

FISCAL IMPACT

N/A



Marin Sanitary Service
CONSERVATION — OUR EARTH, OUR MISSION, OUR JOB

2023 SERVICE AREA ANNUAL REPORT

Marin Sanitary Service
1050 Andersen Drive, San Rafael CA, 94901
Tel 415-456-2601
www.marinsanitaryservice.com

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STATUS OF NEW TECHNOLOGIES

Status of New Technologies and Industry Practices Enhancing Progress Toward Zero Waste

The company kicked off the celebration of 75-years in operation with a ribbon cutting for two new pieces of technology, the depackager and the optical sorter. The event was a great opportunity to recognize the continued innovations of the company and to inform about and demonstrate the new pieces of equipment to community members.



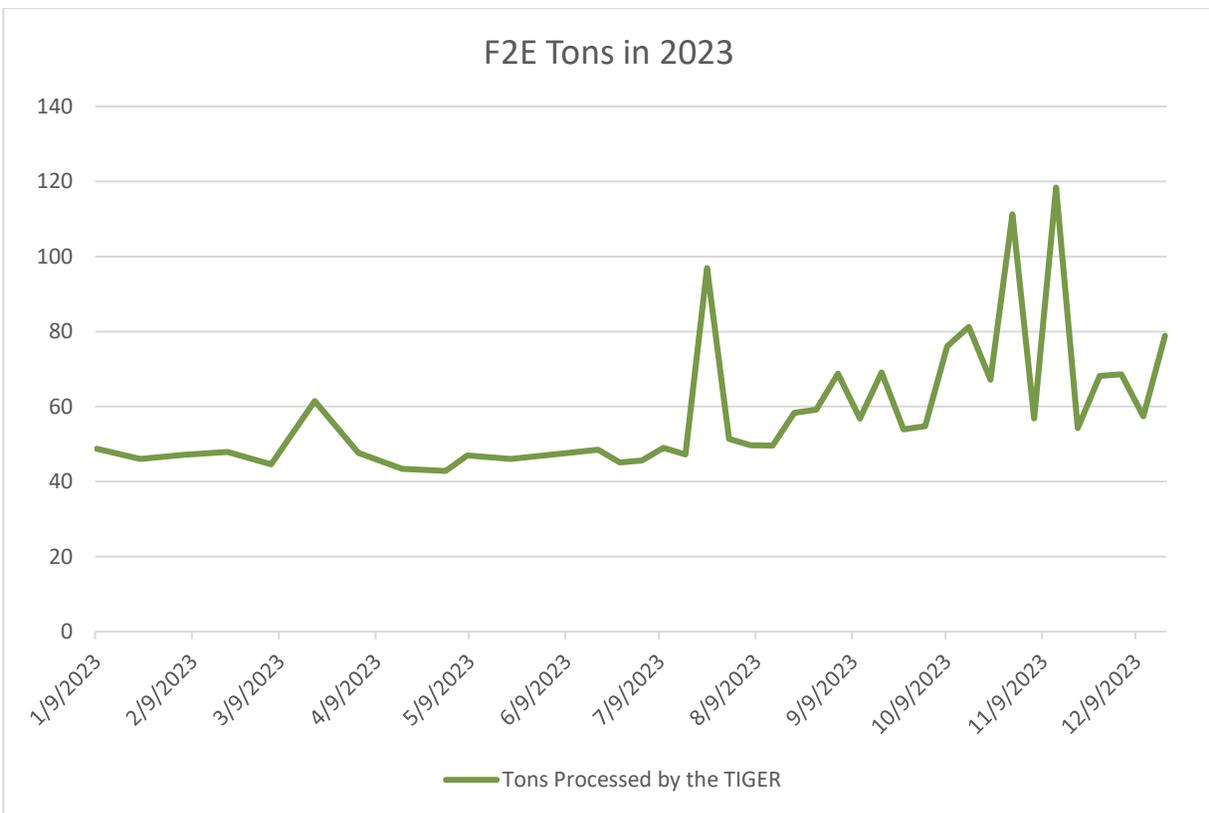
STATUS OF NEW TECHNOLOGIES

TIGER DEPACKAGER

The TIGER depackager has led to modifications to the F2E program allowing customers to put materials in clear plastic bags boosting participation. With the Tiger, the company has implemented the Packaged Organic Waste Energy Recovery (POWER) program for packaged food waste that previously was going to the landfill. The company also receives occasional loads of spoiled food from food manufacturers and distributors. This new technology has been successful at expanding the amount and type of food waste that the company is able to receive and divert from the landfill.

Exhibit 1 shows the increase in total F2E tons received in 2023.

Exhibit 1



STATUS OF NEW TECHNOLOGIES

Packaged Organic Waste Energy Recovery (POWER) Program

With the TIGER Depackager in place, the company created the POWER program. MSS collection trucks pick up the packaged and unpackaged organic waste in dumpsters and bring them to the TIGER depackager where previously landfilled organic waste is separated from its plastic, metal or paper packaging and recovered to be sent to Central Marin Sanitation Agency for digestion and power generation. The POWER program, currently has 6 grocery stores participating.



OPTICAL SORTER

The optical sorter was installed in Q4 of 2022. This material sensing technology was installed on our paper sorting line to aide employees by mechanically removing any colored paper from the paper streams to ensure a cleaner white paper bale.

PROGRESS OF PROGRAMS OR SERVICES

Progress of Programs or Services Implemented in the Past Two Years

SB 1383 IMPLEMENTATION

MSS has implemented changes to services to prepare for and accommodate the requirements of SB 1383. In 2022, the company added a commercial organics recycling route to address the increased volume of organic materials. This route has grown from 3 days per week to 4 days per week. Other customers have also been absorbed into pre-existing routes. The company has observed an increase in contamination notices with the addition of these new accounts. Food waste recovery is new for many community members and those not used to having a green cart, especially those in multi-family housing, use it as another landfill cart. Outreach team members are working with property managers to train and educate and help newly subscribed properties to utilize the green cart properly.

The company is in the process of removing organics and recycling services from customers who, after training, numerous notifications, and other outreach efforts, continue to contaminate their recycling and organics carts. This will make them non-compliant with state regulations. The company will work with the jurisdictions and Zero Waste Marin on enforcement.

The outreach team visited over 600 businesses and multi-family properties in 2023 to educate, train and help set up recovery programs. In addition, over 1900 carts were checked to ensure proper usage. Of these, 9% had prohibited contaminants.

Exhibit 2 shows the number of commercial businesses and multi-family dwellings that are participating in MSS organic waste collection. Customers who self-haul or do not produce enough waste will be visited and this alternative compliance will be documented. Those not producing sufficient volume or with insufficient room to store additional containers will be issued a waiver. Non-compliant customers who refuse to add services will require enforcement actions by the jurisdiction or by Zero Waste Marin.

PROGRESS OF PROGRAMS OR SERVICES

Exhibit 2: SB 1383 Compliance

	Commercial							
	City of San Rafael	Marin County	Las Gallinas Valley Sanitary District	Town of Ross	City of Larkspur	Town of Anselmo	Town of Fairfax	
Subject to Compliance Review	784	51	31	13	116	86	57	
Compliant	478	45	26	10	77	66	50	
Waivers	252	7	4	1	38	15	7	
Not Compliant	55	-	1	2	1	5	-	
% Compliance	93%	100%	97%	87%	99%	94%	100%	

	Multi Family Dwellings 5 units +							
	City of San Rafael	Marin County	Las Gallinas Valley Sanitary District	Town of Ross	City of Larkspur	Town of Anselmo	Town of Fairfax	
Subject to Compliance Review	338	22	7	N/A	131	53	22	
Compliant	310	22	7		95	53	22	
Waivers								
Not Compliant	28	-	-		36	-	-	
% Compliance	92%	100%	100%		73%	100%	100%	

ZERO WASTE PROGRAMS

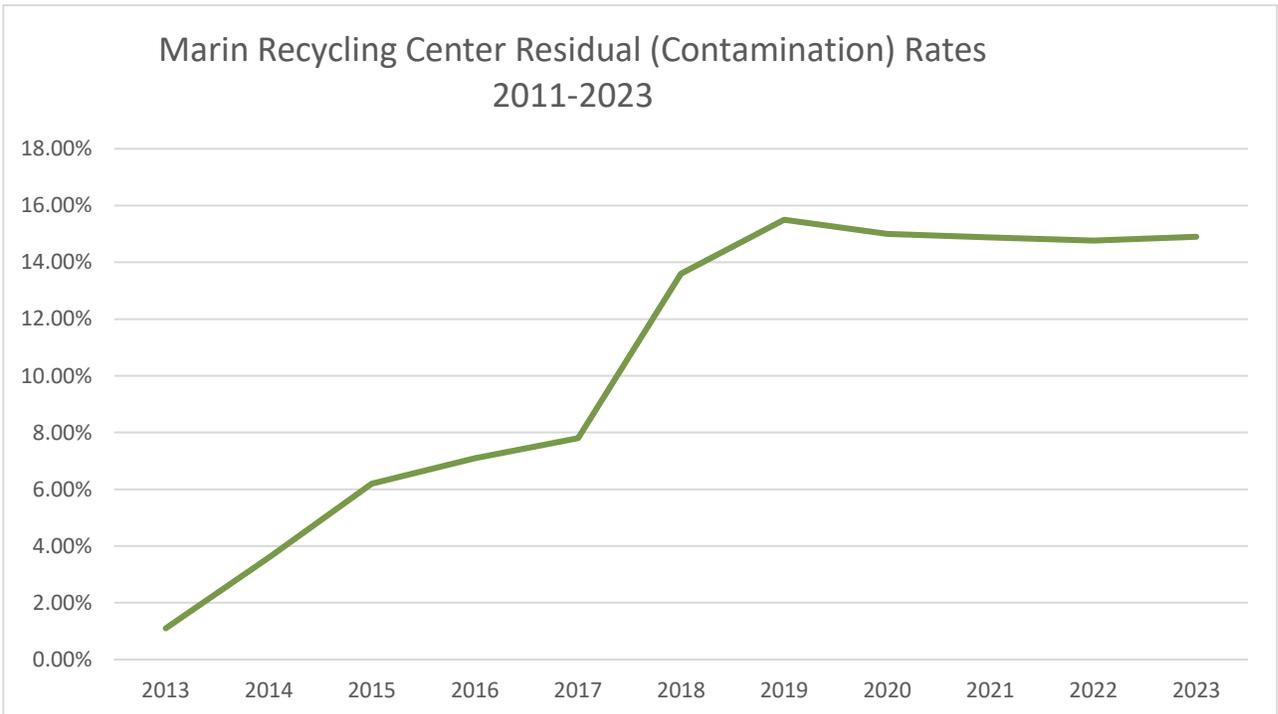
Description and Progress of Zero Waste Programs

RECYCLING PROGRAMS

Marin Sanitary Service continues to provide dual-stream recycling. Separating the paper and cardboard from glass, metal and plastic bottles and cans ensures that materials stay clean and maintain their value.

One challenge the company continues to face is with non-recyclables items going into the split cart. This is most often non-recoverable plastics as there continues to be confusion over what is accepted. It also includes dirty bottles and other contaminants. Exhibit 1 shows the rise of contamination since 2013. Fortunately, this trend has leveled out since 2018.

Exhibit 3



ZERO WASTE PROGRAMS

ORGANICS COLLECTION

Organic waste is collected through three different programs, curbside green waste, commercial organics, and Food 2 Energy (F2E). The POWER program is included as part of the F2E program.

Curbside Green Waste

Residential customer's may continue to place their yard clippings along with household food waste into their green cart. With the implementation and enforcement effective January 1, 2024 of SB 1383, the company has increased information and reminders about recovering food waste and food-stained paper from the landfill cart and placing it in the green cart. While the company continues to see more food in the green cart, there has not been a significant increase in curbside organic waste tons. This does not necessarily reflect increased diversion of materials as green waste tons are impacted by weather conditions. Wet years can lead to heavier material in the carts as well as more material due to the increased growth.

Commercial Organics

The MSS outreach team has been meeting with all commercial and multi-family customers to educate and help ensure they are starting organic service. They provide information, assistance, and trainings to customers starting programs. This has resulted in 424 customers in the service area adding organics services in 2023.

Food2Energy (F2E)

F2E service is offered to grocery stores and restaurants to capture their back-of-house organic waste. Companies are now able to place their F2E material in clear plastic bags to help keep cans clean and keep critters out. The F2E program has also been enhanced by the addition of the aforementioned POWER program.

GREEN HOUSE GAS MITIGATION

Green House Gas Mitigation

GREEN HOUSE GAS MITIGATION

MSS has tracked operational emissions annually since 2006 and avoided emissions since 2009. This report shows MSS has fully offset its direct emissions on average 18 times. This is well beyond Net-Zero. Most emissions originate from direct mobile combustions including on and off-road vehicles. MSS switched the fleet to renewable diesel in 2020, lowering overall emissions impacts.

Exhibit 4: Emissions Reporting



PUBLIC EDUCATION ACTIVITIES

Public Education Activities Undertaken During the Year

Bill Inserts

Exhibit 5: Bill Inserts Sent in 2023

	Las Gallinas Valley Sanitary							County of	Grand Total
	Fairfax	San Rafael	District	Larkspur	Ross	San Anselmo	Marin		
Rate Increase Notification	2,614	14,152	3,664	2,899	804	4,479	4,248	32,860	
Spring clean up	2,523	12,383	3,600	2,601	785	4,185	4,135	25,088	
Fall Clean up	2,523	10,175	3,716	2,601	801	3,400	3,450	26,666	
Grand Total	5,137	36,710	10,980	5,500	2,390	12,064	11,833	84,614	



Marin Sanitary Service
CONSERVATION — OUR EARTH, OUR MISSION, OUR JOB

B020423

Rate Adjustment Effective April 1, 2023

The resource hauling and processing rates charged to all of Marin Sanitary Service (MSS) customers are reviewed annually by an independent, third-party reviewer (R3 Consulting Group, Inc). At a public rate hearing on March 21, 2023, the Marin County Board of Supervisors voted to approve a 7.11% rate increase, effective April 1, 2023.

This increase is based on the change in the National Water, Sewer & Trash Index. Other items affecting the rate increase include uncontrollable costs associated with landfill disposal, organic and recycling processing, and commodity markets.

So, what does my quarterly "Resource Hauling" bill pay for?

1. Weekly curbside collection of one (1) garbage cart (landfill), one (1) split cart for recycling and one (1) green cart for compostable materials.
2. Processing of recyclable materials at Marin Recycling and landfill disposal of garbage and organics processing fees at Redwood Landfill.
3. Twice annual scheduled clean-up collections of up to 14 bags total of yard waste, recycling and/or garbage. Please remember to use paper bags for extra yard waste and recycling to ensure it is easy for the driver to see it is not garbage. This is a great time to get rid of extra yard waste.
4. Twice per year on-call collection of up to two (2) bulky items such as mattresses, appliances, and TVs.
5. In addition, customers can rent additional yard waste and split recycling carts for a monthly nominal fee.
6. Household Hazardous Waste Facility services.
7. Education, outreach and monitoring of adherence to California's waste recovery regulations.

Visit www.marinsanitaryservice.com for up-to-date information on MSS services and programs.

For questions regarding our new rates, please contact our Customer Relations Department.

Customer Relations Department
customerservice@marinsanitary.com
(415) 456-2601

PUBLIC EDUCATION ACTIVITIES



- SB 1383 - CALIFORNIA LAW REQUIRES EVERY HOME TO COMPOST

The law aims to reduce methane emissions from landfills that contribute to climate change & global warming.

- SB 1383 - LA LEY DE CALIFORNIA REQUIERE QUE CADA HOGAR RECICLE SUS DESECHOS ORGÁNICOS

La ley tiene la meta de reducir emisiones de gas metano en los basureros que contribuyen al cambio climático y el calentamiento global.

HOW YOU CAN COMPLY:

- 1. COMPOST FOOD & YARD WASTE WITH MSS.**
MSS allows residents to place food & food-soiled paper in the green cart along with grass & yard clippings as compost.
- 2. AVOID CONTAMINATION IN YOUR GREEN CART.**
Plastic bags, cups, takeout containers & utensils - even those made with "compostable plastic" - will not break down as needed & pollute the soil.
- 3. RECYCLE RIGHT IN YOUR SPLIT CART.**
Recycle paper & cardboard go in the blue side of the split cart. Bottles, cans, tubs & jugs made of recyclable plastic, glass & aluminum go in the brown side.

EN ACUERDO CON LAS REGLAS:

- 1. COMPOSTE SU COMIDA Y RECORTES DEL JARDÍN CON MSS.**
MSS ofrece botes verdes a cada residente para coleccionar y compostar desechos de comida, recortes del jardín y papel manchado con comida como servilletas o cajas de pizza.
- 2. EVITA EL CONTAMINACIÓN ADENTRO EL BOTE VERDE.**
Bolsas plásticas, vasos, cubiertos y contenedores que contienen plástico - incluso los que son hechos con "plásticos compostables" - no se descomponen de la manera necesaria y contaminan el abono.
- 3. RECICLA BIEN EN SU BOTE DIVIDIDO.**
Ponga su papel y cartón reciclable adentro el lado azul del bote dividido. Botellas, jarras, latas y frascos hechos de plástico, vidrio o aluminio reciclable va adentro el lado café del bote dividido.



DOWNLOAD THE APP!



- **Set Service Reminders.**
- **Receive Live Updates.**
- **Search What Container an Item Should Go In.**
- **Report Service Issues.**

Follow us @mssrecycles
www.marinsanitaryservice.com

PUBLIC EDUCATION ACTIVITIES

**SPRING 2023
CURBSIDE CLEAN-UP
FEBRUARY 27 - MARCH 3**

City of Larkspur billing cycle R3.
See www.marinsanitaryservice.com
for instructions on locating your billing cycle.

INSTRUCTIONS

- Place up to 14 bags or cans at the curb for your normal collection day
- Bags/cans must be 32 gallons or smaller
- 60 pound weight limit per container
- No loose garbage or items
- Bags/cans must be at the curbside



landfill



recyclables



yard waste

See reverse for items not accepted.

PREPARE FOR FIRE SEASON



This is the perfect opportunity to clear your property of extra yard waste!

Your Curbside Clean-up is serviced by a different driver than your normal service driver. Call our office at (415) 456-2601 after 2pm if your material was not serviced.

Curbside Clean-up service is proudly offered to you by:



Marin
SANITARY SERVICE
CONSERVATION — OUR EARTH, OUR MISSION, OUR JOB



Larkspur
Est. 1908

A011222 MALK3_CU_RES_DEC22

**NOT ACCEPTED
DURING CURBSIDE
CLEAN-UP**



NO loose clothes



NO loose garbage



NO bulky items
**see below*



NO household hazardous waste
Visit www.marinhw.com for information about proper disposal of these items.

BULKY ITEM DISPOSAL

Bulky items such as couches, appliances, mattresses and other large items will not be collected on your Curbside Clean-up day. Call us at (415) 456-2601 to schedule a bulky item pick-up. Special handling fees may apply.



MARIN SANITARY SERVICE
Customer Service: (415) 456-2601
www.marinsanitaryservice.com

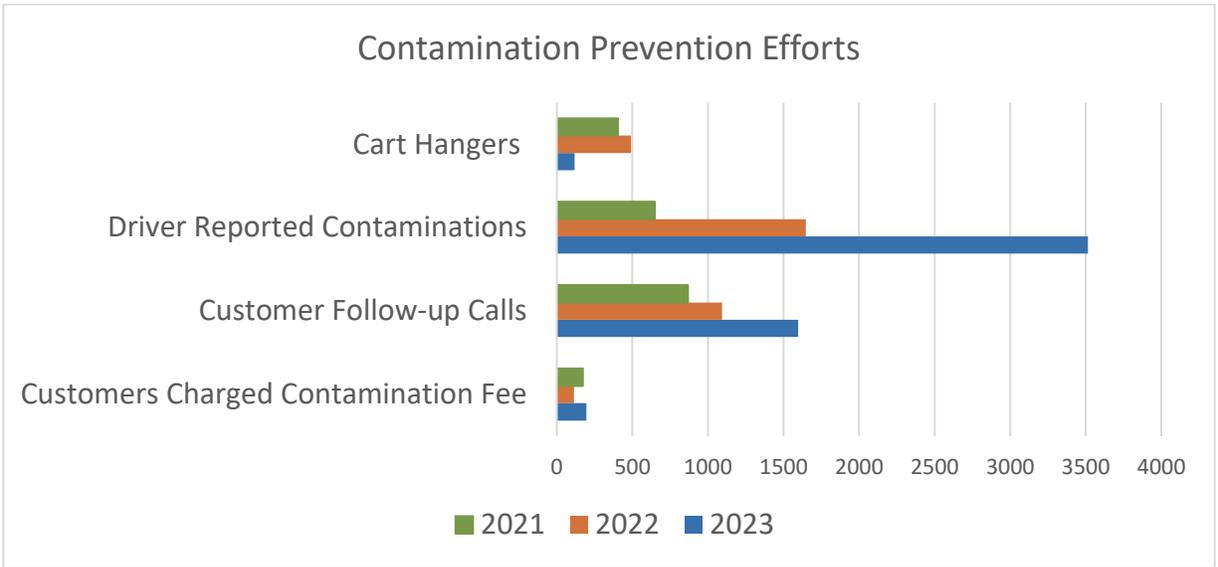
CUSTOMERS DIRECTLY CONTACTED REGARDING DIVERSION SERVICES

Contamination Program

Drivers note contaminated containers. Customer service representatives and our outreach team follow up each day with customers on the contamination list to notify and provide education to those customers. Contamination charges are applied if deemed appropriate. Education and training are offered to all multi-family and commercial participants. In some cases, multi-family and commercial customer’s recyclables or organics carts are removed if they do not show progress or an effort to clean up contamination. During 2023 there were 5,425 separate actions taken to minimize contamination.

PUBLIC EDUCATION ACTIVITIES

Exhibit 6: Contamination Prevention



Free Kitchen Compost Pail Give-Out

The company distributed over 450 kitchen pails during 45 multi-family trainings, including apartments, HOAs, and mobile homes. Tenants were offered the option of online training and an additional 125 pails were distributed to tenants.

Trainings

The outreach team trains businesses and other organizations. Presentations are given in both English and Spanish by request. Some of our trainings included:

- January 2023- Held in-person training for Multi-Cultural Center of Marin for 15 board of directors.
- February 2023- Presentation for 30 clients and staff at Cedars of Marin.
- Trainings included:
 - Windchime of Marin nursing home staff
 - Strip mall tenants
 - San Rafael police & fire departments
 - AAA office staff
 - Retailers including Home Goods and Scandinavian Designs
 - Restaurants including Depot Garden Café, and Saigon Village
 - Grocery stores including United Markets, Whole Foods, and Mollie Stone’s.

PUBLIC EDUCATION ACTIVITIES

Social Media

The company has focused on digital methods for communicating with customers. This includes using social media channels to provide information, reminders, and tips to divert waste from the landfill.

Exhibit 7: Social Media Activity

	Facebook	Instagram	Linkedin	X
Followers	864	1300	493	482
Posts	27	128	1	27
Engagement	578	371	10	N/A
Reach	12,800	10,000	165	N/A



PUBLIC EDUCATION ACTIVITIES

WASTE AUDITS AND RESULTS

SB 1383 regulations require that jurisdictions conduct mandated SB 1383 route reviews by random selection. SB 1383 route reviews are defined as a visual inspection of containers along a route for the purpose of determining container contamination and proper sorting of material or both. If contaminants are found, the route auditor takes a picture of the material and mails a letter to the customer for educational purposes. During 2023 MSS route auditors inspected 2068 individual carts. Results are shown in *Exhibit 8*.

Exhibit 8: SB 1383 Tracking Totals 2023

	Properly Sorted	Prohibited Contaminants
Material:	Total	Total
cardboard recycling	0	11
containers recycling	23	26
food waste	6	0
landfill	649	47
mixed organics	615	21
mixed recycling	578	52
paper recycling	31	9
Total	1902	166

In addition to SB 1383 route audits, MSS auditors ride along with drivers to verify current services within the MSS billing system match the service in which the customer is receiving. *Exhibit 9* shows the results of these efforts. Customers are sent notices of the discrepancy and given an opportunity to modify their service or pay the correct amount for the services received.

Exhibit 9: Service Discrepancies

Route Audit Discovered Service Discrepancies	
Service Discrepancy-Less Service than pays for- smaller cart size	9
Service Discrepancy-More Service than covered for in service-larger cart size	64
Total Discrepancies Discovered	73

PUBLIC EDUCATION ACTIVITIES

COLLECTION NOTIFICATION TAGS

Collection notification tags are placed for customers whose service is not completed as a means of educating customers on proper container set out, contamination, or other reasons. *Exhibit 10* shows the cart tags left with customers in 2023.

Exhibit 10: Collection Notification Tags

Number of Tags Left	
Notification Reason:	
CARDBOARD PLACEMENT	30
CART COMPACTED	34
CART CONTAMINATED	120
CART DAMAGED	24
CART NOT OUT	1
CART OVERLOADED	25
CART OVERRLOADED	1
CART PLACEMENT	38
Grand Total	289

COMMUNITY INFORMATION AND EVENTS

- Held an in-person training at CreArt Early Education & Preschool staff.
- Presented to a class of 25 students at Terra Linda High School’s, MSEL program.
- Tabled at Earth Day events at San Rafel High School, San Rafael Clean Earth Day and BioMarin.
- Presented recycling, composting and waste reduction assembly for over 200 students at St. Isabella’s K-8th School.
- Distributed information and interacted with customers at events including:
 - ExtraFood.org volunteer appreciation event.
 - San Rafael movie night.
 - San Rafael Chamber business showcase.
 - Children for Change Challenge.
 - County of Marin Ember Stomp.
 - Farm Day.
 - Fairfax Take Back Day.

PUBLIC EDUCATION ACTIVITIES

- Over 300 customers participated in our annual Customer Appreciation Day.
 - Held three compost/recycling training classes.
 - Gave facility tours with driver presentation.
 - Compost give-away.



PUBLIC EDUCATION ACTIVITIES

On April 19th, outreach team member Ruben Hernandez participated in an Earth Day radio interview “What you should know about recycling” alongside the Multi-Cultural Center of Marin.



Join our host Brenda Camarena along with special guests Ruben Hernandez and Hugo Mata who will share information and resources in Marin County. Tune in to the live stream of Body Heart Community, a Spanish-language talk show offering health and safety resources, information, and solutions. Every Wednesday at 11 am. **On YouTube:**

<https://www.youtube.com/channel/UCdOpLdVIWQWQUVHnYLFcWwWA>

WEBSITE

There were approximately 91,000 visitors to the www.marinsanitary.com website in 2023. After the homepage, visitor’s number one page viewed continues to be the Support/Pay My Bill page followed by the residential information page.

Where Does It Go Joe? is an online resource and mobile application designed for MSS customers. This tool allows customers to search materials to determine if they are recyclable, compostable or belong in the landfill. This app is available to anyone in the MSS service area. In 2023 the top searched items are listed in *Exhibit 9*:

PUBLIC EDUCATION ACTIVITIES

Exhibit 11: Top Items Search, Where Does It Go Joe?

Views	Title
2322	Plastic tubs & lids
2022	Plastic "clam shell" container
1678	Plastic take-out container
1489	Plastic soap bottle
393	#5 Plastic
294	Clover renewable milk carton
274	plastic #2
245	Styrofoam
234	Plastic bag
211	Gable top carton

In addition to the material search tool, the app provides residential customers with the option to get service day information, pay their bill and to set up weekly reminders by email, text or phone call. As of the end of 2023, 13,826 customers receive weekly reminders.

NEWSLETTERS

Newsletters are sent to all MSS residential customers in the spring and fall. Below are the newsletters sent in 2023:

PUBLIC EDUCATION ACTIVITIES



CELEBRATING 75 YEARS OF RESOURCE CONSERVATION IN CENTRAL MARIN



Marin Sanitary's roots began near the City of Genova in Italy. Italians in this region learned out of necessity not to waste anything. This ethic transferred to San Francisco in the early 1900s with the Scavengers Protective Association; one of the largest companies collecting waste in San Francisco. Scavengers because they sorted through garbage reusing

or reselling bottles, wood, clothing, rags, metal and newspaper in greater volumes than waste which was landfilled. In 1948, original partners of Marin Sanitary, Joe Segale and Guido Zanotti moved to Marin County to collect waste. They were followed by Joe Garbarino Sr., Ruben Valtierra, Ernie Zappettini, and Lorry Marcone in 1952. In 1955, Joe Garbarino Jr. and Joe Cattaneo joined and the company took on the name Marin Sanitary Service.

In the early 1980s, Marin Sanitary Service became a pioneer in resource recovery with the first county wide curbside collection of recyclables and the first material recovery facility (the indoor dump) in the country.

Today, there are three generations of Garbarino's working with Joe Jr. as he continues to lead Marin Sanitary as the Chairman of the Board.

THEN & NOW

Over the past 75 years, advancements in technology have enhanced our equipment and improved our overall operations, but one thing that will never change is our commitment to resource conservation.



EARLY 1900

GARBAGE TRUCKS

In the early days it was horse-drawn garbage collection. Today we have state of the art trucks that dump cans with an automated arm providing efficient service while preventing injuries for drivers.



2023

THE STATE OF RECYCLING

Things are very different since Marin Sanitary rolled out curbside collection of recyclables. M55 has moved from crates/buckets of recyclables left curbside to split-cart recycling with specialized automated trucks that help keep materials clean, dry and free of contamination. This advancement has led to more recyclables being collected, but has also led to significant contamination.

Contaminants are anything not recoverable or recyclable. Just because an item is made of recyclable material, doesn't mean it will be recycled. Of all plastics ever produced only about 9% have been recycled (OECD Global Plastics Outlook Database). Many plastics are not recyclable, and can be toxic to health and the environment. Many are not recoverable in any recycling processing systems. They are too dirty, mixed with other materials or have additives and can't be recycled with other plastics.



1990

PROCESSING RECYCLABLES

Sorting recyclables at our recovery center was once done all by hand! But thanks to our new state of the art optical sorter that can recognize materials by shape and color, our crews can now save time, energy and recover even more materials for reuse and recycling.



2023



Recent media attention has led many to question the recycling industry. These issues are real, and non-recoverable plastics and other items negatively impact our operation daily. However, in 2022 we recycled 25,000 tons of material! All plastics were recycled domestically and cardboard and paper are recycled in the US, Mexico and various Asian Countries.



1990

ORGANICS RECYCLING

We have come a long way in processing organics. While we still feed some of our animals with food scraps we collect, we now use high-tech machinery to process material that is sent to create compost and energy.



2023

You can be confident that when you place the proper items in your recycling cart; clean paper, cardboard, glass, metal and plastic bottles and cans, those items will get recycled!

PUBLIC EDUCATION ACTIVITIES



PRESORTED
STANDARD
U.S. POSTAGE
PAID
SAN RAFAEL, CA
PERMIT NO. 87

PRINTED ON RECYCLED PAPER
100% POST-CONSUMER CONTENT
USING VEGETABLE-OIL BASED INK

PLANNING FOR THE FUTURE WITH OPTIMISM AND INNOVATION



As we look toward our next 75 years, Marin Sanitary continues to innovate and conserve resources. The impacts of the materials we throw away will have lasting effects. Plastic pollution is becoming more of an issue every day. We see more and more plastic in our lives, but so little of plastics can be recycled. Of all plastics ever produced, only 9% globally have been recycled. Plastic is cheap and convenient, but at the expense of the environment and future generations. Governments and manufacturers must do more to conserve precious resources.

Marin Sanitary continues to research vehicle emissions, improved technologies to separate and recycle materials and ways to get more value out of the materials we collect. Currently food waste from restaurants and grocery stores creates energy for the community. We hope to expand these programs and create more energy from the materials we collect.

There are challenges that exist, but we look forward with optimism and innovation to ensure we help Marin County continue as a global leader in resource conservation.

ZERO EMISSION VEHICLES

Our commitment to resource conservation goes beyond sorting and recycling materials, we also source clean energy and have reduced vehicle emissions. Our facility uses solar power and our trucks run on renewable diesel from non-fossil sources as we continue to research zero emission fleet options. These efforts, along with the emissions which are avoided through our recycling programs result in our direct emissions fully offset 18 times. This 3rd party verified figure means that we are well beyond net-zero, but we won't stop there!



ELECTRIC TRUCKS

While electric waste trucks exist, they do not replace a truck one for one. We anticipate adding electric trucks in 2024 for our small support vehicles and hope electric options will improve over the next few years.



HYDROGEN TRUCKS

Hydrogen is still further out, but does offer a promising alternative to electrification where charging and battery performance could pose a problem. Hydrogen waste trucks are not readily available in the US, but we are monitoring the development of this technology.



DOWNLOAD THE APP!






- Search What Container an Item Goes In
- Receive Live Updates
- Report Service Issues
- Set Service Reminders

IT'S ALL IN THE APP!

415.456.2601 MarinSanitaryService.com

CALIFORNIA LANDMARK PACKAGING LAWS FIGHT PLASTIC POLLUTION

Californians throw away the equivalent of 285 Olympic pools worth of plastic a day! Twenty-five percent of the plastic generated in California is packaging. Most packaging is not recyclable, filling up landfills at best or polluting the environment at worst.

The State of California recognizes this is a huge problem and recently passed a package of legislation into law to ensure California is on the forefront of reducing pollution from plastic packaging and single-use products. The new laws will set goals to reduce waste from these items at the source, as well as through recycling and composting, and will help us increase our recycling rates and decrease contamination in our containers recycling stream.



PUBLIC EDUCATION ACTIVITIES

MSS FALL UPDATE

SERVING CENTRAL MARIN COUNTY SINCE 1948

SEPTEMBER 2023

COMPOST & RECYCLING TIPS! Simple Steps to Help Curb Climate Change.



GREEN CART TIPS:

- Store Food Scraps in a Kitchen Compost Pail.
- Freeze Food Scraps to Reduce Smells.
- Layer in Paper Bags, Napkins, Paper Towels & Yard Waste to Soak Up Liquids.



IF YOU NEED TO USE BAGS, USE PAPER BAGS.

- OR -

EMPTY THE CONTENTS OF YOUR BAG INTO THE GREEN CART. (REUSE OR DISPOSE OF YOUR BAG IN THE TRASH)

THE "COMPOSTABLE" PLASTIC PROBLEM

When food scraps, yard waste and food-soiled paper, like napkins and pizza boxes, decompose in a landfill, they emit Methane - a greenhouse gas 80x more potent than Carbon Dioxide that greatly contributes to Climate Change. Composting helps reduce Methane emissions while also returning water and nutrients back into the soil to help local farmers grow crops here in Northern California.

However, items like plastic bags, cling wrap, clamshells, twist ties, rubber bands, styrofoam and many common "Compostable" Plastics, like biobags, cups and utensils, are not suitable for creating organic compost. These items often contain toxic, petroleum based chemicals that contaminate the soil used to grow crops for human consumption.

If your Green Cart contains non-compostable contaminants like plastic, metal, glass or "Compostable Plastics," you will be asked to either remove these items or have the contents processed as trash for an additional fee. Contaminated compost, like in the example above, will be sent to landfill, where they will contribute to climate change.

Marin Sanitary Service and it's partners are here as a resource to help you navigate the nuances of recycling and composting to ensure a sustainable future for all. For more composting tips and resources, please visit MarinSanitaryService.com or follow us @mssrecycles on all social media.



COMPOSTABLES				<p>NO PLASTIC BAGS NO BIODEGRADABLE PLASTICS NO COMPOSTABLE PLASTIC NO PLASTIC/COMPOSTIBLE NO PET WASTE / DIAPERS NO EXHIBITS/AVIARY</p>
	FOOD SCRAPS DESECHOS DE COMIDA	SOILED PAPER PAPEL MANCHADO CON COMIDA	YARD WASTE DESECHOS DE JARDIN	



CUSTOMER APPRECIATION DAY!

SUNDAY, SEPTEMBER 24, 9AM-2PM
535 JACOBY ST, SAN RAFAEL

- FREE COMPOST GIVEAWAY
- RECYCLING FACILITY TOURS
- TEXTILE RECYCLING DROPOFF
- COMPOST & RECYCLING CLASSES



Lealo en español: www.marinsanitaryservice.com/otono2023
www.marinsanitaryservice.com



NOT ALL PLASTICS ARE RECYCLABLE!

Whether an item is recyclable or not depends on there being someone that is willing to buy and use (or in this case reuse) the specific type of material that item is made of.

Plastics, glass and metals are commodities much like soy, wheat or oil that are subject to the ever-changing supply and demands of their global markets.

Marin Sanitary Service only collects items in our recycling carts that we know are truly recyclable and have a market.



The Following Items are NOT Recyclable with Marin Sanitary:

- Salad Containers
- Milk & Juice Cartons
- Styrofoam
- Berry Containers
- Potato Chip Bags
- Toothpaste Tubes
- Plastic Cups
- Coffee Cups & Lids
- Plastic Utensils
- Plastic Straws
- Take-out Food Containers
- Cosmetic Tubes
- Plastic Mail Pouches
- Plastic Bags*

***PLEASE DO NOT PUT PLASTIC BAGS IN THE RECYCLING. (THEY JAM THE MACHINERY)**

EMPTY THE CONTENTS OF YOUR BAG INTO THE RECYCLING CART.

TRASH? RECYCLING? COMPOST? SEE WHAT BIN IT GOES IN WITH WHERE DOES IT GO, JOE!

DOWNLOAD THE APP!

50% of What Marin Sends to Landfill Could Be Recycled or Composted.



PRINTED ON RECYCLED PAPER
 100% POST-CONSUMER CONTENT
 USING VEGETABLE-OIL BASED INK
 PLEASE RECYCLE ME!

STRAHC.COM
 PAID
 U.S. POSTAGE
 PERMIT NO. 100
 SAN RAFAEL, CA



PUBLIC EDUCATION ACTIVITIES

TOURS

The company provided 40 tours to community groups on 2023. Within the company's jurisdiction tours were provided for the following:

- College of Marin and Dominican University environmental studies classes; 30 students.
- 45 high school students, 106 middle school students and 414 K-5th grade students.
- Brandeis School, Caulbridge, Marin Academy, Marin Primary, Marin Waldorf, St. Anselm's, St. Patrick's, St. Raphael's, Marin School of Environmental Leadership, and San Domenico.

Outside of our jurisdiction, over 300 students toured our facilities including Marin Country Day, Bel Aire, Lycee Francais, Spring Hills, and Town School in San Francisco.

OTHER ACTIVITIES RELATED TO COLLECTION SERVICES

Exhibit 12: Outreach Activities

Activity Type:	Number of Activities by Jurisdiction							Grand Total	
	City of Larkspur	City of San Rafael	Las Gallinas Valley Sanitary District	Marin County	Town of Fairfax	Town of Ross	Town of San Anselmo		
Email	124	666		22	29	123	8	65	1037
Issue SB 1383 Waiver	8	133		1	1	1		8	152
Letter	3	5							8
Phone Call	122	719		32	30	45	12	61	1021
Revoke SB 1383 Waiver	1	2		1	1	1			6
Site Visit	34	515		12	11	12	3	23	610
Training	3	66		2	1	1		1	74
Verify Food Recovery Contract		1							1
Verify SB 1383 Waiver	10	110		1		1		7	129
Voicemail	32	228		13	12	14	1	20	320
Grand Total	337	2445		84	85	198	24	185	3358

RECYCLING AND ORGANICS PARTICIPATION

Recycling and Organics Program Participation “Set Outs”

RESIDENTIAL

All residential customers are offered three services as part of the bundled rate. These include a gray (landfill or garbage) cart, a dual sort split body recycling cart and a green organics cart. The bundled rate is based on the size of the landfill cart. *Exhibits 13, 14 and 15* detail the total number of carts by material and size subscribed to by current MSS residential customers.

Exhibit 13: Residential Landfill Cart Service Subscription

Residential Weekly Landfill Service (# of Carts)					
	2021	2022	2023	23 vs 22 (%)	23 Percent of Total (%)
Cart Size:					
20 Gallon	6,070	6,167	6,141	0%	20%
32 Gallon	17,857	17,553	17,468	0%	58%
64 Gallon	6,098	6,088	6,025	-1%	20%
96 Gallon	648	636	608	-4%	2%
Total	30,673	30,444	30,242	-1%	100%

RECYCLING AND ORGANICS PARTICIPATION

Exhibit 14: Residential Recycling Cart Service Subscription

Residential Weekly Dual Sort Recycling Service (# of Carts)					
	2021	2022	2023	23 vs 22 (%)	23 Percent of Total (%)
Cart Size:					
5 Gallon	506	460	346	-25%	1%
32 Gallon	23	17	8	-53%	0%
64 Gallon	26,910	26,291	25,390	-3%	84%
96 Gallon	3,467	3,977	4,654	17%	15%
Total	30,906	30,745	30,398	-1%	100%

Exhibit 15: Residential Organic Cart Service Subscription

Residential Weekly Organic Service (# of Carts)					
	2021	2022	2023	23 vs 22 (%)	23 Percent of Total (%)
Cart Size:					
32 Gallon	2,216	2,298	2,846	24%	9%
64 Gallon	33,678	33,449	29,448	-12%	91%
96 Gallon	31	29	25	-14%	0%
Total	35,925	35,776	32,319	-10%	100%

Scheduled Curbside Clean-up Program and Bulky Item Collection

This program offers all residential customers the opportunity to set out additional recycling, yard waste and landfill waste twice per year for the removal of excess materials.

RECYCLING AND ORGANICS PARTICIPATION

Bulky items like mattresses, appliances, and furniture are not collected during curbside clean-ups. These collections must be scheduled separately. Residential customers are allowed two (2) scheduled bulky item collections of up to two (2) items each time at no extra charge.

Exhibit 16: Curbside Collection and Bulky Item Participation

Annual Dedicated Program Stats (Tons)			
	2021	2022	2023
Program Type:			
Scheduled Clean-Ups	301	229	215
Bulky Items	187	116	138
Illegal Dumping	36	24	25
Total Tons Recycled	267	185	192
Bulky Items Collected (Number of Items)	5,160	4,774	4,327

COMMERCIAL

Commercial businesses are offered recycling services as part of a bundled rate. One of two organics programs is offered to all commercial customers. Food 2 Energy (F2E) for businesses with pre-consumer food waste and commercial organics for all others. *Exhibit 17* compares the total volume of material collected from commercial customers over the past three years. In reviewing the data presented in Exhibits 17 it was discovered that some accounts were misrepresented in their service designation. This has been corrected in the revised exhibit. Numbers are presented showing the old methodology to show the change from the previous year along with a revised reporting for 2023 which will be used going forward.

RECYCLING AND ORGANICS PARTICIPATION

Exhibit 17: Commercial Weekly Service by Type*

Commercial Weekly Service (yd ³)				
	2021	2022	2023	23 vs 22 (%)
Service Type:				
Landfill	8,188	8,045	8,121	1%
Recycling	5,354	5,368	5,485	2%
Organic	805	892	927	4%
Total	14,347	14,305	14,095	-1%

*Year-End Snapshot of Service Levels

Exhibit 17 revised: Commercial Weekly Service by Type*

Commercial Weekly Service (yd ³)	
2023	
Service Type:	
Landfill	8,121
Recycling	5,485
Organic**	828
Total	14,434

**Revised service from 927 yd³ in 2023 due to re-evaluation of service types.

RECYCLING AND ORGANICS PARTICIPATION

MULTI-FAMILY DWELLING

Multi-family Dwellings (MFDs) are offered recycling and organics services as part of a bundled rate. Each property may have up to 4 organics carts at no additional charge. If more carts are needed, they are available for a monthly rental charge. In addition, after attending a workshop, MFD tenants receive kitchen pails for the collection of compostable materials inside their home. *Exhibit 18* compares the total volume of material collected from MFD customers over the past three years. As with the commercial accounts, this has been revised in 2023.

Exhibit 18: Multi-family Weekly Service by Type*

Multi-family Weekly Service (yd ³)				
	2021	2022	2023	23 vs 22 (%)
Service Type:				
Landfill	3,766	3,851	3,840	0%
Recycling	1,998	2,035	2,125	4%
Organic	481	563	600	7%
Total	6,245	6,449	6,565	2%

*Year-End Snapshot of Service Levels

Exhibit 18 revised: Multi-family Weekly Service by Type*

Multifamily Weekly Service (yd ³)	
	2023
Service Type:	
Landfill	3,840
Recycling	2,125
Organic**	607
Total	6,572

*Year-End Snapshot of Service Levels

**Revised service from 600 yd³ in 2023 due to re-evaluation of service types.

PUBLIC EDUCATION ACTIVITIES

Year-Over-Year Change in Customer Account Data

OVERALL CUSTOMER ACCOUNT DATA

Customer account information is stated below. Customer numbers have remained consistent year-over-year.

Exhibit 19: YOY Customer Account Data

	2022			2023		
	Residential	Commercial	Multi-Family	Residential	Commercial	Multi-Family
Fairfax	2,519	83	27	2,512	83	27
Larkspur	2,560	180	159	2,565	180	158
Las Gallinas Valley Sanitary District	3,644	54	8	3,637	55	8
Marin County	4,138	84	34	4,116	86	34
Ross	801	21	-	797	19	-
San Anselmo	4,188	212	87	4,158	207	87
San Rafael	12,407	1,390	441	12,401	1,389	441

Exhibit 20: New Starts and Account Closures by Customer Type

New Starts		Closures	
	Total		Total
Customer Type:		Customer Type:	
Residential	1,705	Residential	1,796
Commercial Business	127	Commercial Business	128
Multi-family Dwellings	9	Multi-family Dwellings	16
Total	1,841		1,940

RECYCLING RATES

Recycling Rates

RECYCLING RATES BY WEIGHT AND BY VOLUME

Exhibit 21 lists the tonnage information for the service area.

Exhibit 21: 2023 MSS Service Area Disposal and Recycling Rates (Tons)

Weight Based Recycling Rates by Sector (Tons)									
	Residential			Commercial/MF			Total		
	2021	2022	2023	2021	2022	2023	2021	2022	2023
Tons Collected:									
Curbside Organics (Food & Yard waste)*	23,214	22,574	24,456	1,222	1,287	1,287	24,436	23,861	25,744
Curbside Containers Recycling	5,540	4,980	4,825	2,049	1,785	1,785	7,590	6,765	6,610
Curbside Fiber Recycling	5,627	5,162	5,158	2,081	1,908	1,908	7,709	7,070	7,066
Curbside Cardboard Recycling	*N/A	*N/A	*N/A	6,809	4,117	3,928	6,809	4,117	3,928
Transfer Station	26,452	24,588	24,463	21,751	21,813	21,879	48,203	46,401	46,342
Commercial Food Waste (F2E)	*N/A	*N/A	*N/A	2,247	2,385	2,608	2,247	2,385	2,608
Commercial processed at MRRC	*N/A	*N/A	*N/A	5,562	5,008	4,595	5,562	5,008	4,595
Total Tons Collected	60,834	57,304	58,903	41,721	38,303	37,990	102,555	95,607	96,893
Total Tons Diverted	34,382	32,716	34,440	17,912	15,107	14,842	52,294	47,824	49,282
* Commercial yard waste is co-collected with residential yard waste. Tonnage is included with Residential.									
Recycling Rate	57%	57%	58%	43%	39%	39%	51%	50%	51%

Exhibit 22 breaks down the tonnage by jurisdiction. The tons and diversion presented are only estimates. Company routes go through multiple jurisdictions, the tonnage is calculated by jurisdiction based on an allocation tied to the quantity and size of dumpsters by customer. However, some containers are less than full and some are over-filled. In addition, the Materials Recovery Facility (MRF or the indoor dump) tons are estimated by location specifically for unincorporated Marin County, San Anselmo, San Rafael, and the Las Gallinas Valley Sanitary District as it is often not possible for Marin Resource Recovery booth staff to determine which customers in San Anselmo and San Rafael are in unincorporated County or Las Gallinas Valley Sanitary District boundaries. MRF or indoor dump diversion is calculated at 74% based on the Q4 2023 diversion calculation reported on our website at https://marinresourcerecoverycenter.com/mobius_cms/wp-content/uploads/2024/02/Q4-2023-Recycling-Certification.pdf.

RECYCLING RATES

Exhibit 22: 2023 MSS Service Area Disposal and Recycling Rates by Jurisdiction (Tons)

	Weight Based Sector Rates by Jurisdiction (Tons)					Total	Diversion (%)
	Organic	Recycling	Landfill	Indoor Dump			
Tons Collected:							
Fairfax	1,957	1,501	2,253	1,322	7,034	63%	
Larkspur	2,398	2,410	5,546	1,849	12,204	51%	
Las Gallinas Valley Sanitary District	2,813	1,545	3,048	33,931	41,337	71%	
Marin - Unincorporated	4,350	2,168	4,209	38,846	49,573	71%	
Ross	916	441	674	2,342	4,372	71%	
San Anselmo	4,208	2,011	3,732	40,827	50,778	72%	
San Rafael	11,709	10,855	28,148	130,506	181,218	66%	
Totals	28,351	20,931	47,611	249,623	346,516	68%	

Exhibit 23 shows the landfill pounds per person per day for the service area. Based on the total tons and population estimates generation remains unchanged. To estimate for the population the company must use unincorporated County population assumptions as MSS does not service the entire unincorporated area.

RECYCLING RATES

Exhibit 23: Landfill Pounds Per Person Per Day

	2021	2022	2023
Population*	113,722	114,423	115,156
Landfilled (Tons)	50,261	47,783	47,611
Tons disposed per Capita	0.44	0.42	0.41
Pounds per person per day disposal (PPD)	2.42	2.29	2.27

*Estimate based on available Census Data

Exhibit 24 details the commodity pricing for 2023. All commodity pricing is down from last year except for glass. However, 2021 and 2022 were exceptionally high years for many materials, with cardboard at record high levels in 2021. Commodity markets remain highly volatile, therefore price fluctuations are expected to continue in the foreseeable future.

Exhibit 24: Commodity Price Changes 2021-2023 Average Price Per Ton

Commodity Type:	Annual Average Commodity Price (\$)			
	2021	2022	2023	23 vs 22 (%)
Cardboard	\$ 184.09	\$ 142.33	\$ 137.34	-4%
Newspaper	\$ 139.90	\$ 167.87	\$ 106.01	-37%
Office Paper	\$ 211.72	\$ 278.58	\$ 239.31	-14%
Mixed Paper	\$ 94.00	\$ 109.23	\$ 57.58	-47%
Aluminum Cans	\$ 1,329.00	\$ 1,628.48	\$ 1,307.23	-20%
Glass	\$ 29.55	\$ 40.00	\$ 41.94	5%
HDPE # 2 Natural (Jugs)	\$ 1,375.00	\$ 937.65	\$ 855.03	-9%
HDPE # 2 Colors (Jugs)	\$ 683.00	\$ 288.52	\$ 235.25	-18%
PET # 1 (Bottles)	\$ 361.00	\$ 383.98	\$ 173.48	-55%
Mixed Rigid Plastics (#3-7)	\$ 60.00	\$ -	\$ -	-

OTHER INFORMATION

Other Information (Quarterly Report Data)

RESIDENTIAL AND COMMERCIAL/MULTI-FAMILY CUSTOMER CALLS

In 2023, MSS received 70,832 calls compared to 77,123 in 2022. The following list presents the most common types of calls; start/stop service, cart exchanges, change of service, billing inquiries, or general education questions about collection and program information. The average time to answer has decreased by 3 seconds in 2023 to 10 seconds. The decrease in call volume and answer time is due an improvement in our customer service and driver training.

The total number of complaint calls are detailed in *Exhibit 25*. Missed collections and broken containers are the primary reasons for complaints. In the majority of cases, the drivers were able to empty the missed containers on the same service day or the next business day. All broken containers were either repaired or replaced. In addition, MSS had 151 documented compliments for staff in 2023. A detailed complaint log is available for review upon request.

Exhibit 25: Compliments and Complaints by Type

	Missed Collections			Broken Containers			Misc. Service Issues			Compliments		
	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
Jurisdiction:												
County of Marin	471	542	469	608	631	599	20	25	17	24	50	34
San Rafael	1,450	1,245	1,539	2,031	2,064	2,039	66	80	71	79	83	44
Las Gallinas Valley Sanitary District	325	290	247	534	634	666	9	9	5	14	25	16
Ross	92	129	122	115	113	109	1	6	3	5	4	8
Larkspur	257	308	362	262	350	322	13	23	29	12	26	12
San Anselmo	452	968	806	1,038	1,155	1,104	33	40	34	31	34	21
Fairfax	333	306	297	271	306	351	15	18	14	18	26	16
MSS Service Area Totals	3,380	3,788	3,842	4,859	5,253	5,190	157	201	173	183	248	151

OTHER INFORMATION

REPORTS OF INJURIES AND DAMAGE TO PROPERTY

The company has put a renewed emphasis on safety and is seeing a benefit to these efforts. In 2023, route supervisor, Stu Coley, was promoted to the position of safety manager. Through his efforts, the company will be training dedicated drivers in J.J. Keller’s Safe and Smart Driver Training Program. This increased focus on training will help to ensure our new drivers get the foundations of safe driving and awareness and more tenured drivers continue to improve and perfect their driving skills. In 2023 the number of preventable accidents and damage events dropped by almost 40%. Injuries have also consistently declined since 2021.

Exhibit 26: Injuries and Accidents in 2023

	2021	2022	2023
Preventable Damage/Accident	50	56	35
Non-preventable Damage/Accident	10	20	7
Work Comp Injuries	24	15	12

HHW FACILITY PARTICIPATION NUMBERS

Usage of the county’s HHW facility is a part of the service offerings available to all county residents. Below is a list of the total number of participants by jurisdiction at the facility. Unincorporated Marin County includes all of the county, and not just MSS service area.

Exhibit 27: Injuries and Accidents in 2023

HHW PARTICIPANTS BY CITY	
City:	
Fairfax	1,345
Larkspur	1,348
Ross	554
San Anselmo	2,209
San Rafael	9,005
Unincorporated Marin County*	2,194
Total Participants	22,930

*Includes all unincorporated Marin County, not just MSS service area

CONTACT INFORMATION

Contact Information

JUSTIN WILCOCK DIRECTOR OF GENERAL OPERATIONS	JASON RALEIGH CHIEF FINANCIAL OFFICER	PATTY GARBARINO PRESIDENT
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Patty.Garbarino@marinsanitary.com

8/15/2024

General Manager Report

- Separate Item to be distributed at Board Meeting
- Separate Item to be distributed prior to Board Meeting
- Verbal Report
- Presentation

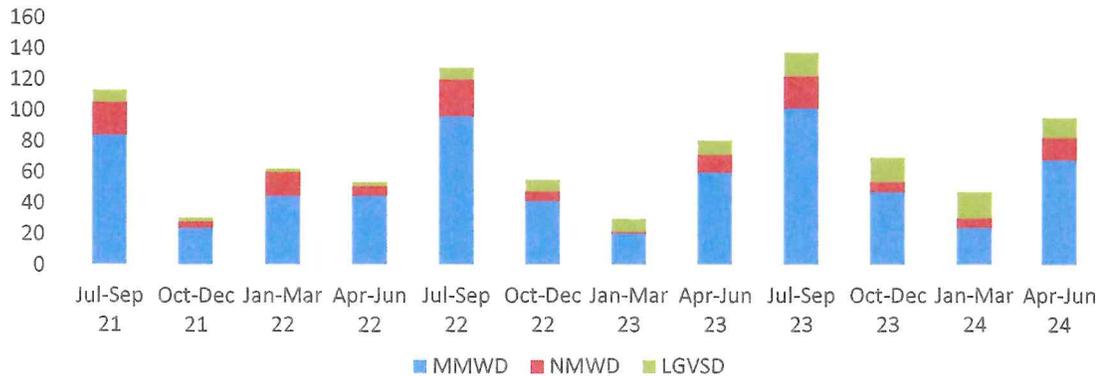
FINANCE

- Local Government Compensation Report submitted to State Controller’s Office.
- Marin Water Consumption Report analyzed as part of the budget process.
- Preliminary audit of fiscal year 2023-2024 began, in person meeting with Nigo & Nigro held at the District office on May 8.
- Las Gallinas Valley Sanitary District Certificates of Insurance provided to IBank on May 20 as required by the ISRF#19-131 sales agreement.
- Administrative Services Manager McDonald attended the Government Finance Officers Association Annual Conference on June 8-12.
- Budget for fiscal year 2024-25 adopted June 20, 2024.
- Annual appropriations limit adopted as required by Gov. Code Section 61113.
- Recycled water billing through June completed. Actual recycled water Operation & Maintenance expenses are billed quarterly to Marin Water (MMWD) and North Marin Water District (NMWD) based on their proportional share of recycled water received from LGVSD. For the quarter ending June 30, recycled water expenditures of \$43,294 was recovered from MMWD and \$9,258 was recovered from NMWD.

Recycled Water Total O&M Expenses



Total Gallons Delivered (Million)



ADMINISTRATION

- CSRMA Property Program renewed for the period of July 1, 2024 to July 1, 2025 for \$187,084, an 8.6% increase over last year, a lower percentage increase than in prior years largely driven by more favorable market conditions and an increase in the District’s Total Insurable Values.
- CSRMA Workers Compensation Insurance renewed for the period of July 1, 2024 to July 1, 2025 for \$80,262, down 26% from \$108,568 last year, due to fewer losses and lower experience modification factor of 70% which discounted premium deposit.
- Administrative staff supported the Sewer Rehabilitation Program 2023 by providing notary services for 42 homeowners taking advantage of the District’s offer to replace the lower lateral sewer as part of the sewer main replacement project.
- Workplace Violence Prevention Policy implemented with help from Du-All (safety consultant) by July 1 deadline.
- Annual review of Record Retention Schedules was completed with only minor administrative revisions required to align with recent legislative changes.
- Summer 2024 Heron Newsletter completed, mailing in early July.
- A total of nine Board meetings, including 3 special meetings, were held during this three-month period.
- Sewer Lateral Inspection Program activity remained steady during the spring months. Administration support was provided on 59 inspection applications between April 1 and June 30. Of these, 55 were triggered by home sales and 4 were initiated by construction permits. There were 24 notification letters mailed to property owners who have pulled building construction permits with the County advising them of their requirement to have their sewer inspected. No construction permit information received from the City of San Rafael over the last 3 months.

Sewer Lateral Video Inspection Activity



- The Sewer Lateral Replacement Program, created in 2012, continues to provide an option to homeowners interested in payment assistance for their private sewer lateral replacement. There are 106 property owners currently participating in the program. No additional contractual assessment applications were received this quarter. The program is holding steady with homeowners who began the program 10 years ago paying off their assessment balanced against new homeowners who are just beginning to take advantage of the program.
- Low-Income Sewer Rate Assistance Program (LISRAP) re-enrollment letters were mailed to eighteen homeowners who are required to re-enroll in the program. Four new applications were received this quarter, bringing the total number of residents participating in the program to forty-seven.

HUMAN RESOURCES

- Angela Beran was hired June 17 to fill the Grant Management and Procurement Specialist position.
- Labor Management Committee met on May 8.
- Muti-Certification list posted in June as required by Memorandum of Understanding between LGVSD and OE3.
- CPS HR Consulting continues to provide Human Resource support to the District.
 - a. Weekly meetings held with Cheri Fairchild, CPS HR Project Coordinator, to discuss ongoing HR issues.
 - b. Work continued on updates to the Personnel Policies and Procedures manual.
 - c. Feedback to management provided on specific HR issues.

SOLID WASTE and SB 1383 ORGANIC RECYCLING

- Marin Sanitary Service annual review with Franchisor's Group held on June 6.
- The Zero Waste Marin (ZWM) Local Task Force met on May 9 and June 27.
- Administrative Services Manager McDonald attended the ZWM Board meeting on May 16.

CONTRACTS / REQUEST FOR PROPOSALS

Contracts executed between April 1 and June 30 listed below:

Vendor Name	Description	Manager	Date of Agreement	Term End Date	Contract Amount
Jaycox Construction CNG	Amendment 1 to contract, total to \$36K	Pease	4/25/2024	6/30/2026	\$ 36,000
Custom Tractor Service	Reclamation Pastureland Irrigation Operations and Maintenance	Liebmann	4/29/2024	6/30/2025	\$122,500
Thatcher Co of California	Sodium Hypochlorite	Liebmann	4/29/2024	6/30/2025	BACC Pricing
Du-All	Onsite Safety Consultant Services Amendment #3	Pease	5/1/2024	6/30/2025	\$56,736
Kemira Water Solutions, Inc.	Ferric Chloride	Liebmann	5/9/2024	6/30/2025	BACC Pricing
Univar	Sodium Bisulfite	Liebmann	5/14/2024	6/30/2025	BACC Pricing
West Yost	Cybersecurity Consulting Services	Liebmann	5/28/2024	6/30/2025	\$30,000
Data Instincts	Public Information and Awareness	McDonald	6/3/2024	6/30/2025	\$35,000
Operational Technical Services	Technical Staffing for Lab Technician Analyst	Liebmann	6/18/2024	9/30/2024	\$50,000

PENDING AGENDA ITEM REQUESTS – STATUS REPORT

#	Item Description	Date	Responsible	Status / Notes
1	Public Use of Reclamation Area	1/6/2022	Dale	Revise Ordinance
2	Electrical Vehicle Study	6/16/2022	Curtis	Develop Scope of Work
3	Diversity, Equity, Inclusion Policy	3/2/2023	Dale	Develop
4	Emergency Preparedness	3/2/2023	Greg	Presentation to Board
5	Private Sewer Lateral Contractual Assessment Increase	5/18/2023	Dale	Revise Ordinance
6	Real Property Administration - Easements	9/21/2023	Mike	Develop



Agenda Summary Report

To: Board of Directors
From: Dale McDonald, Administrative Services Manager
(415) 526-1519 dmcdonald@lqvsd.org
Meeting Date: August 15, 2024
Re: Quarterly Treasurer’s & Financial Reports as of June 30, 2024
Item Type: Consent _____ Action _____ Information X Other _____
Standard Contract: Yes _____ No _____ (See attached) Not Applicable X .

STAFF RECOMMENDATION

Receive the Treasurer’s report for the quarter ending June 30, 2024.

BACKGROUND

Board Policy F-20-10, Financial Reporting, and Board Policy F-70-120, Investment Reporting, require that quarterly reports be submitted to the Board. It is prudent and beneficial to present these reports to the Board at the same time.

TREASURER’S REPORT

Pursuant to the State of California Government Code Section 56300, the District’s investment policy adopted on July 21, 2022, and industry best practices, staff has prepared a quarterly financial report as of June 30, 2024. The attached report includes bank and investment accounts managed by the District.

As specified in California Government Code Section 53646(e), if all funds are placed in the State of California Local Agency Investment Fund (LAIF), in accounts insured or guaranteed pursuant to Section 14858 of the Financial Code, FDIC-insured accounts and/or in a county investment pool, the reporting elements may be replaced by copies of the latest statements from such institutions.

The District maintains two debt reserve funds, equal to one year’s debt service for the State Revolving Fund and Bank of Marin loans. The quarterly account statements for the two Bank of Marin Certificates of Deposit accounts are included as part of this Treasurer’s Report.

The District diversified from its primary investment account, LAIF, in January 2024. Two additional pooled investment accounts, California Cooperative Liquid Assets Security System (California CLASS) and California Asset Management Program (CAMP), were established in December 2023. Below are the investment summaries for the quarter ending June 30, 2024:

- LAIF interest rate was 4.55%, up from 4.30% in December. Quarterly interest earned from LAIF was \$20,700.08. The latest quarterly LAIF Remittance Advice statement from the California State Controller’s Office is attached.



- California CLASS average monthly yield as of June 30 was 5.4006%. Interest dividend reinvestment is reported monthly. Total interest earned in the quarter was \$123,025. Attached are the account summary pages from the monthly California CLASS statements this quarter.
- CAMP monthly distribution yield was 5.43% as of June 30. Total dividend and income earned in the quarter was \$168,497. Attached are the account detail pages from the monthly CAMP statements this quarter. Restricted reserves are held in CAMP. Restricted reserves of \$4,513,337 approved in the fiscal year 2023-2024 budget were transferred to CAMP in June.

Total investments of \$27,762,838 are held in the District's investment accounts and two restricted debt service accounts, which reflect an increase of \$3,687,786 during the previous twelve-month period. The increase reflects the District's commitment to build its designated reserves.

The District's investments comply with its investment policy and the District has sufficient funds available to meet its obligations for the next six months.

QUARTERLY FINANCIAL REPORT

District staff is required to provide a quarterly summary report to the Board. The actual revenues and expenditures to budgeted amounts, including relevant information on debt proceeds and debt service payments, were detailed in the adopted fiscal year 2024-2025 budget report presented to the Board on June 20, 2024. The attached Budget Worksheet provides updated budget revenue and expenditure actuals for the fiscal year ending June 30, 2024. Operating expenditures are shown by department and fund, and include expenditures incurred before the end of the fiscal year but paid over the last two months.

Cash Balance

The District has \$32,354,931 of cash and investments on hand as of June 30, 2024; an increase of \$1,663,903 from June 30, 2023. The operating account balance fluctuates based on operating needs. It is common for the balance to change over the prior quarter or year. Of the cash on hand, the District has designated portions of it for the following uses:

- Reserves of \$15,724,308 pursuant to the District's policies.
- Connection fees of \$1,066,776 which are available only to fund capacity related projects.
- Debt service restricted reserve funds of \$913,581 as required by loan covenants.
- Accumulation of \$415,473 in cash for the Private Sewer Lateral Assistance program.
- Recycled Water Capital Repair and Replacement Fund, created in May 2023, to hold LGVSD and Marin Municipal Water District (MMWD) contributions for future capital expenditures to the Recycled Water Treatment Facility. LGVSD's contribution for 2023-2024 was \$14,437. MMWD's 2023-2024 contribution of \$37,167 was received in July and will be reflected in the next quarterly treasurer's report.
- Special assessment funds for operation and maintenance of the pump stations at Marin Lagoon and Captains Cove of \$13,009 and \$2,403, respectively.



Marin Lagoon and Captain's Cove Surcharges

Quarterly true-ups for both Marin Lagoon and Captain's Cove were completed, with balance transfers finalized on August 5, 2024. Surcharge revenue is received along with sewer service charge revenue into the operating fund, and transfers are required to move funds to the appropriate restricted fund. Operating and capital expenses paid out of the operating fund are recovered from the respective restricted fund.

The cost for the Marin Lagoon Pump Station #1 Upgrade Project #18360-01, completed in June 2022, exceeded the amount of funding held in the restricted Marin Lagoon fund. Expenses were paid from the general operating fund and have been recovered annually from the surcharge revenue as it is received. The outstanding balance to be recovered over the next 4-5 years is \$91,348.49.

PREVIOUS BOARD ACTION

N/A

ENVIRONMENTAL REVIEW

N/A

FISCAL IMPACT

No impact for receiving report.

Attachments:

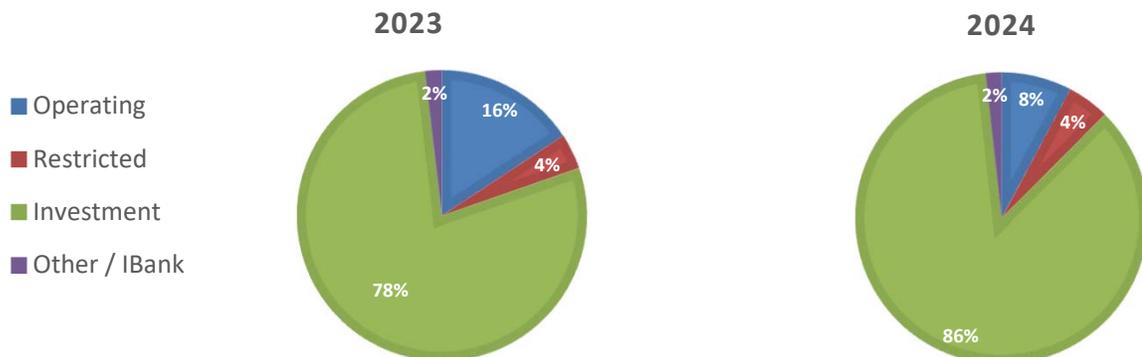
- A. Treasure's Report – Operating and Investment Accounts as of June 30, 2024
- B. Bank of Marin Certificate of Deposit xx5679 Statement 03/31/24 – 06/30/24
- C. Bank of Marin Certificate of Deposit xx6073 Statement 03/31/24 – 06/30/24
- D. Local Agency Investment Fund xx-005 Remittance Advice for quarter ending 6/30/24
- E. California CLASS – Account Statements for April, May, and June 2024
- F. CAMP Account Statements for April, May, and June 2024
- G. Budget Worksheet – Actual to Budget Comparison - Period for 7/23 to 6/24
- H. Marin Lagoon – True Up – Quarterly Transfer ending June 30, 2024
- I. Captain's Cove – True Up – Quarterly Transfer ending June 30, 2024

Las Gallinas Valley Sanitary District Treasurer's Report - Operating and Investment Accounts June 30, 2024

I. Account Summary: Bank and Investment Accounts	June		Change from Previous Year
	2023	2024	
Accounts Summary			
Summary of Bank and Investment Accounts			
OPERATIONS:			
Bank of Marin			
Operating Accounts	4,609,199	2,277,074	(2,332,125)
Liquid Savings	226,493	234,936	8,443
Private Sewer Lateral Rehab	400,129	415,473	15,344
Surcharge-Marin Lagoon	10,538	13,009	2,471
Surcharge-Captains Cove	3,657	2,403	(1,254)
Connection Fee	797,904	1,066,776	268,872
Capital Project Recycled Water Reserve Fund	23	14,437	14,414
Petty cash	145	89	(56)
Investment Accounts			
Debt Service Reserve-Recycled Water	605,626	608,633	3,007
Debt Service Reserve-SRF Loan	303,441	304,948	1,507
Local Agency Investment Fund	23,165,985	1,839,317	(21,326,668)
California Cooperative Liquid Assets Security System	-	9,247,475	9,247,475
California Asset Management Program	-	15,762,465	15,762,465
Cash and Investments	\$ 30,123,140	\$ 31,787,036	\$ 1,663,896
IBANK ISRF AGREEMENT:	\$ 567,760	\$ 567,760	\$ (0)
RESTRICTED 2017 BOND			
US Bank Bond & Cost of Issuance Funds	\$ 129	\$ 135	\$ 7
TOTAL CASH AND INVESTMENTS	\$ 30,691,029	\$ 32,354,931	\$ 1,663,903

II. Account Activity for Bank of Marin Accounts

Bank of Marin operating account activity is for paying regular operating expenses of the District. Funds are transferred from the Liquid Savings to the Operating account as needed.



Statement of Compliance:

The investments accounts are invested in compliance with the District's investment policy, adopted at the July 21, 2022 Board meeting and California Government Code Section 53600. In addition, the District does have the financial ability to meet its cash flow requirements for the next six months.

Prepared by:
Dale McDonald, Administrative Services Manager

Approved by:
Curtis Paxton, General Manager



Bank of Marin

PO Box 2039
Novato, CA 94948-2039

00008071 BOMB1110062924062757 01 0000

LAS GALLINAS VALLEY SANITARY DISTRICT
"BANK OF MARIN DEBT RESERVE"
101 LUCAS VALLEY RD SUITE 300
SAN RAFAEL CA 94903-1795

Account Number: xxxx-xx5679
Statement Period: 03/31/24 - 06/30/24
Page: 1 of 1

Customer Service Information

Branch: 415-472-2265
Touch Tone Banking: 800-654-5111

Lost or Stolen Card:
24 hours 7 days per week 866-626-6004

Written Inquiries:
496 LAS GALLINAS AVE #4
SAN RAFAEL CA 94903

Visit us Online: www.bankofmarin.com

Account Summary for PUBLIC FUNDS JMBO CD0003-715679

Total Current Balance \$608,633.22
Total Interest Year To Date \$1,497.35

Transaction Detail

Date	Description	Deposits	Withdrawals	Balance
03/31	Beginning Balance			\$607,892.31
04/30	Interest	740.91		608,633.22
06/30	Ending Balance			\$608,633.22

Deposit Number	0000-000001	Original Deposit Amount	\$569,178.89
Principal	\$571,431.58	Original Deposit Date	08/01/12
Current Balance	\$608,633.22	Last Maturity Date	08/01/20
Total Interest Year To Date	\$1,497.35	Current Term	60 Months, renewable
Current Rate	0.494%	Next Maturity Date	08/01/25





Bank of Marin

PO Box 2039
Novato, CA 94948-2039

00008074 BOMB1110062924062757 01 0000
LAS GALLINAS VALLEY SANITARY DISTRICT
101 LUCAS VALLEY RD SUITE 300
SAN RAFAEL CA 94903-1795

Attachment C

Account Number: xxx-xx6073
Statement Period: 03/31/24 - 06/30/24
Page: 1 of 1

Customer Service Information

-  **Branch:** 415-472-2265
Touch Tone Banking: 800-654-5111
-  **Lost or Stolen Card:**
24 hours 7 days per week 866-626-6004
-  **Written Inquiries:**
496 LAS GALLINAS AVE #4
SAN RAFAEL CA 94903
-  **Visit us Online:** www.bankofmarin.com

Account Summary for PUBLIC FUNDS JMBO CD0003-716073

Total Current Balance	\$304,948.06
Total Interest Year To Date	\$754.35

Transaction Detail

Date	Description	Deposits	Withdrawals	Balance
03/31	Beginning Balance			\$304,572.71
04/29	Interest	375.35		304,948.06
06/30	Ending Balance			\$304,948.06

Deposit Number	0000-000001	Original Deposit Amount	\$286,304.76
Principal	\$286,304.76	Original Deposit Date	07/30/13
Current Balance	\$304,948.06	Last Maturity Date	07/30/20
Total Interest Year To Date	\$754.35	Current Term	60 Months, renewable
Current Rate	0.494%	Next Maturity Date	07/30/25





LGVSD Prime

Account Summary

Average Monthly Yield: 5.4028%

	Beginning Balance	Contributions	Withdrawals	Income Earned	Income Earned YTD	Average Daily Balance	Month End Balance
California CLASS	9,124,450.86	0.00	0.00	40,407.93	164,858.79	9,125,797.79	9,164,858.79

Transaction Activity

Transaction Date	Transaction Description	Contributions	Withdrawals	Balance	Transaction Number
04/01/2024	Beginning Balance			9,124,450.86	
04/30/2024	Income Dividend Reinvestment	40,407.93			
04/30/2024	Ending Balance			9,164,858.79	



Account Statement

May 31, 2024

Page 2 of 3

Account Number: 8-0001

LGVSD Prime

Account Summary

Average Monthly Yield: 5.3943%

	Beginning Balance	Contributions	Withdrawals	Income Earned	Income Earned YTD	Average Daily Balance	Month End Balance
California CLASS	9,164,858.79	0.00	0.00	41,874.03	206,732.82	9,166,209.57	9,206,732.82

Transaction Activity

Transaction Date	Transaction Description	Contributions	Withdrawals	Balance	Transaction Number
05/01/2024	Beginning Balance			9,164,858.79	
05/31/2024	Income Dividend Reinvestment	41,874.03			
05/31/2024	Ending Balance			9,206,732.82	



Account Statement

June 30, 2024

Page 2 of 3

Account Number: 8-0001

LGVSD Prime

Account Summary

Average Monthly Yield: 5.4006%

	Beginning Balance	Contributions	Withdrawals	Income Earned	Income Earned YTD	Average Daily Balance	Month End Balance
California CLASS	9,206,732.82	0.00	0.00	40,742.58	247,475.40	9,210,807.08	9,247,475.40

Transaction Activity

Transaction Date	Transaction Description	Contributions	Withdrawals	Balance	Transaction Number
06/01/2024	Beginning Balance			9,206,732.82	
06/30/2024	Income Dividend Reinvestment	40,742.58			
06/30/2024	Ending Balance			9,247,475.40	



Account Statement

For the Month Ending **April 30, 2024**

Las Gallinas Valley Sanitary District - LGVSD CAMP - xxxx-01

Trade Date	Settlement Date	Transaction Description	Share or Unit Price	Dollar Amount of Transaction	Total Shares Owned
CAMP Pool					
Opening Balance					11,080,630.11
04/30/24	05/01/24	Accrual Income Div Reinvestment - Distributions	1.00	49,431.57	11,130,061.68
Closing Balance					11,130,061.68

	Month of April	Fiscal YTD July-April
Opening Balance	11,080,630.11	0.00
Purchases	49,431.57	11,130,061.68
Redemptions (Excl. Checks)	0.00	0.00
Check Disbursements	0.00	0.00
Closing Balance	11,130,061.68	11,130,061.68
Cash Dividends and Income	49,431.57	171,695.68

Closing Balance	11,130,061.68
Average Monthly Balance	11,082,277.83
Monthly Distribution Yield	5.44%



Account Statement

For the Month Ending **May 31, 2024**

Las Gallinas Valley Sanitary District - LGVSD CAMP - xxxx-01

Trade Date	Settlement Date	Transaction Description	Share or Unit Price	Dollar Amount of Transaction	Total Shares Owned
CAMP Pool					
Opening Balance					11,130,061.68
05/31/24	06/03/24	Accrual Income Div Reinvestment - Distributions	1.00	51,214.79	11,181,276.47
Closing Balance					11,181,276.47

	Month of May	Fiscal YTD July-May
Opening Balance	11,130,061.68	0.00
Purchases	51,214.79	11,181,276.47
Redemptions (Excl. Checks)	0.00	0.00
Check Disbursements	0.00	0.00
Closing Balance	11,181,276.47	11,181,276.47
Cash Dividends and Income	51,214.79	222,910.47

Closing Balance	11,181,276.47
Average Monthly Balance	11,131,713.77
Monthly Distribution Yield	5.43%



Account Statement

For the Month Ending **June 30, 2024**

Las Gallinas Valley Sanitary District - LGVSD CAMP - xxxx-01

Trade Date	Settlement Date	Transaction Description	Share or Unit Price	Dollar Amount of Transaction	Total Shares Owned
CAMP Pool					
Opening Balance					11,181,276.47
06/04/24	06/04/24	Purchase - Incoming Wires	1.00	4,513,337.00	15,694,613.47
06/28/24	07/01/24	Accrual Income Div Reinvestment - Distributions	1.00	67,851.03	15,762,464.50
Closing Balance					15,762,464.50

	Month of June	Fiscal YTD July-June
Opening Balance	11,181,276.47	0.00
Purchases	4,581,188.03	15,762,464.50
Redemptions (Excl. Checks)	0.00	0.00
Check Disbursements	0.00	0.00
Closing Balance	15,762,464.50	15,762,464.50
Cash Dividends and Income	67,851.03	290,761.50

Closing Balance	15,762,464.50
Average Monthly Balance	15,250,064.87
Monthly Distribution Yield	5.43%

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
General					
Sewer Use Charges					
10-310-4110	SSC Special Assessment-Current	17,354,590.10	17,876,612.00	17,876,612.00	97.08
10-310-4115	Sewer Service Chrg Direct Bill	1,087,240.33	1,066,710.00	1,066,710.00	101.92
10-310-4120	Sewer Service Charge PY	6,828.43	.00	.00	.00
10-310-4130	SSC LISRAP 10% Discount	4,359.00-	25,000.00-	25,000.00-	17.44
Total Sewer Use Charges:		18,444,299.86	18,918,322.00	18,918,322.00	97.49
Permits/Fees					
10-330-4310	Permits and Inspection Fees	46,113.00	71,750.00	71,750.00	64.27
10-330-4313	Application Fees	7,000.00	3,400.00	3,400.00	205.88
Total Permits/Fees:		53,113.00	75,150.00	75,150.00	70.68
Property Taxes					
10-340-4405	Property Tax - Current Secured	1,190,275.65	1,200,000.00	1,200,000.00	99.19
10-340-4410	Property Tax - Current Unsecur	19,274.68	29,409.00	29,409.00	65.54
10-340-4415	Prior Secured Redemption	189.12	.00	.00	.00
10-340-4420	Prior Unsecured	1,148.15	.00	.00	.00
10-340-4427	Supp. Assmnts - Prop Tax Curr	25,152.63	32,501.00	32,501.00	77.39
10-340-4428	Supp. Assmnts - Redemption	675.00	.00	.00	.00
10-340-4440	ERAF	442,428.07	507,904.00	507,904.00	87.11
10-340-4441	ERAF Prior Year	66,998.98	.00	.00	.00
Total Property Taxes:		1,746,142.28	1,769,814.00	1,769,814.00	98.66
Franchise Fees					
10-350-4510	Franchise Revenue	175,202.60	197,991.00	197,991.00	88.49
Total Franchise Fees:		175,202.60	197,991.00	197,991.00	88.49
Intergovernmental					
10-360-4610	Federal and State Grants	.00	5,000.00	5,000.00	.00
10-360-4620	HOPTR	4,223.64	2,371.00	2,371.00	178.14
Total Intergovernmental:		4,223.64	7,371.00	7,371.00	57.30
Investment Income					
10-370-4710	Bank Interest - Operations	152,591.03	2,340.00	2,340.00	6,520.98
10-370-4711	Interest - LAIF	462,164.55	396,000.00	396,000.00	116.71
10-370-4713	Interest on Bond Funds	6.92	4.00	4.00	173.00
10-370-4714	Interest on IBank ISRF	20,920.81	.00	.00	.00
10-370-4715	Interest on Reserves CD x6073	1,506.82	.00	.00	.00
10-370-4716	Interest - CAMP	290,761.50	.00	.00	.00
10-370-4717	Interest - CLASS	247,475.40	.00	.00	.00
Total Investment Income:		1,175,427.03	398,344.00	398,344.00	295.08
Other Nonoperating					
10-380-4881	PSL Prior Year (contra)	731.98	.00	.00	.00
10-380-4882	PSL Levy Principal	85,582.04	72,000.00	72,000.00	118.86
10-380-4885	Miscellaneous Income	43,020.54	15,285.00	15,285.00	281.46

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
10-380-4887	PSL Direct Pay Off	414.27	9,700.00	9,700.00	4.27
10-380-4888	PSL Investment Interest	6,725.89	425.00	425.00	1,582.56
10-380-4899	Passthru Reimbursmnt (Revenue)	11,514.00	25,000.00	25,000.00	46.06
Total Other Nonoperating:		147,988.72	122,410.00	122,410.00	120.90
Transfers In					
10-390-4910	Transfer - I Bank Loan	.00	567,760.00	567,760.00	.00
Total Transfers In:		.00	567,760.00	567,760.00	.00
Administration					
10-400-5000	Regular Staff Salaries	924,685.57	825,300.00	825,300.00	112.04
10-400-5010	Overtime	9,932.68	10,500.00	10,500.00	94.60
10-400-5020	Doubletime	1,344.66	400.00	400.00	336.17
10-400-5060	Auto Allowance	5,469.46	5,900.00	5,900.00	92.70
10-400-5075	Certification Stipends	10,799.88	16,200.00	16,200.00	66.67
10-400-5077	Longevity Pay	8,091.92	6,700.00	6,700.00	120.77
10-400-5110	Health Insurance-Actives	126,037.71	110,100.00	110,100.00	114.48
10-400-5111	Health Insurance-Retirees	56,831.14	72,300.00	72,300.00	78.60
10-400-5112	Health Insurance-Admin Fee	504.08	1,700.00	1,700.00	29.65
10-400-5117	Dental Insurance	13,368.84	11,400.00	11,400.00	117.27
10-400-5119	Vision Services	706.40	4,400.00	4,400.00	16.05
10-400-5120	PERS-Normal Contributions	85,397.45	73,100.00	73,100.00	116.82
10-400-5129	GASB Pension Expense	700.00	.00	700.00	100.00
10-400-5130	Social Security Expense	62,181.41	58,000.00	58,000.00	107.21
10-400-5140	Workers Comp Insurance	114,994.00	156,200.00	156,200.00	73.62
10-400-5150	Group Life Insurance	10,586.89	10,100.00	10,100.00	104.82
10-400-5160	Long Term Disability	6,660.03	11,300.00	11,300.00	58.94
10-400-5170	Wellness Reimbursement Program	3,927.23	.00	3,000.00	130.91
10-400-5221	Office Supplies & Expense	29,529.15	31,200.00	31,200.00	94.64
10-400-5223	Meeting Supplies & Expense	3,637.28	2,700.00	2,700.00	134.71
10-400-5224	Damage Claims	.00	20,000.00	20,000.00	.00
10-400-5225	COVID-19 Expenses	916.77	.00	900.00	101.86
10-400-5229	Employee Recognition	1,010.42	7,600.00	4,600.00	21.97
10-400-5230	District Wellness Equip & Supp	2,249.98	.00	3,000.00	75.00
10-400-5233	Vehicle Gas Admin	35.45	500.00	500.00	7.09
10-400-5243	Misc Safety Exp - Lgvds only	1,884.43	1,600.00	1,600.00	117.78
10-400-5303	Payroll Processing Fees	25,264.20	24,900.00	24,900.00	101.46
10-400-5310	Vehicle Parts & Repairs	575.83	1,600.00	1,600.00	35.99
10-400-5315	Equipment Maintenance	239.24	100.00	100.00	239.24
10-400-5317	Equipment Repair	.00	2,000.00	2,000.00	.00
10-400-5319	Capital Repair / Replacement	.00	1,000.00	1,000.00	.00
10-400-5331	Personnel & HR Services	27,484.29	105,100.00	100,500.00	27.35
10-400-5333	Janitorial	23,656.63	23,700.00	23,700.00	99.82
10-400-5335	Labor Relations	16,966.08	17,000.00	17,000.00	99.80
10-400-5337	General	11,036.94	19,300.00	19,300.00	57.19
10-400-5339	Other Outside Services	998.95	900.00	900.00	110.99
10-400-5342	Other Consultants	122,862.80	127,300.00	127,300.00	96.51
10-400-5347	Public Education	45,717.82	55,200.00	55,200.00	82.82
10-400-5351	Legal	133,795.71	183,600.00	183,100.00	73.07
10-400-5352	Legal MPFA	849.00	.00	500.00	169.80
10-400-5353	Audit	22,000.00	22,700.00	22,700.00	96.92

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
10-400-5355	Financial Services	24,460.00	35,400.00	35,400.00	69.10
10-400-5361	Consulting IT Services	28,409.35	31,000.00	31,000.00	91.64
10-400-5362	Incidental Software	27,099.88	10,900.00	10,900.00	248.62
10-400-5363	Multi-year SaaS Software Subsc	134.99	.00	.00	.00
10-400-5411	Insurance Gen Liab Property	335,808.57	315,800.00	315,800.00	106.34
10-400-5421	Internet Services	7,040.65	6,600.00	6,600.00	106.68
10-400-5423	Telephone and Cell Services	6,506.96	5,700.00	5,700.00	114.16
10-400-5431	Bank Charges	3,706.56	1,900.00	1,900.00	195.08
10-400-5433	Publications & Legal Ads	2,570.32	6,600.00	6,600.00	38.94
10-400-5439	Donations to non-profits	14,000.00	10,000.00	10,000.00	140.00
10-400-5451	Rents & Leases - Office & Equi	127,587.30	125,900.00	125,900.00	101.34
10-400-5453	Taxes, Other	466.00	1,400.00	1,400.00	33.29
10-400-5455	Permits and Fees	214.22	800.00	800.00	26.78
10-400-5457	User Chg / Collection Fee Exp.	731.98	38,300.00	38,300.00	1.91
10-400-5461	Memberships	42,128.71	38,000.00	38,000.00	110.87
10-400-5465	Conferences	21,021.69	13,200.00	13,200.00	159.26
10-400-5467	Mileage & Travel	1,853.93	4,500.00	4,500.00	41.20
10-400-5469	Employee Education & Training	1,433.10	10,900.00	10,900.00	13.15
10-400-5496	Fidelity Bond	2,371.00	1,100.00	1,100.00	215.55
10-400-9998	Credit Card Misc need receipts	18.17	.00	.00	.00
10-400-9999	Miscellaneous expense	469.25	200.00	200.00	234.63
Total Administration:		2,560,962.95	2,679,800.00	2,679,800.00	95.57
Engineering					
10-420-5000	Regular Staff Salaries	537,834.11	531,200.00	531,200.00	101.25
10-420-5060	Auto Allowance	5,216.15	4,800.00	4,800.00	108.67
10-420-5075	Certification Stipends	10,799.88	10,800.00	10,800.00	100.00
10-420-5077	Longevity Pay	28,307.37	23,500.00	23,500.00	120.46
10-420-5110	Health Insurance-Actives	66,450.99	60,800.00	60,800.00	109.29
10-420-5117	Dental Insurance	6,322.88	8,700.00	8,700.00	72.68
10-420-5119	Vision Services	520.78	800.00	800.00	65.10
10-420-5120	PERS-Normal Contributions	56,765.18	50,800.00	49,300.00	115.14
10-420-5130	Social Security Expense	35,710.34	28,500.00	28,500.00	125.30
10-420-5150	Group Life Insurance	1,597.48	1,200.00	1,200.00	133.12
10-420-5160	Long Term Disability	3,978.98	5,500.00	5,500.00	72.35
10-420-5170	Wellness Reimbursement Program	1,500.00	.00	1,500.00	100.00
10-420-5221	Office Supplies & Expense	336.19	3,600.00	2,600.00	12.93
10-420-5223	Meeting Supplies & Expense	.00	100.00	100.00	.00
10-420-5243	Misc Safety Exp - Lgvsd only	856.75	600.00	850.00	100.79
10-420-5342	Other Consultants	102,052.00	169,900.00	169,900.00	60.07
10-420-5344	Passthru (Receivable Expense)	13,202.00	33,200.00	33,200.00	39.77
10-420-5361	Consulting IT Services	707.40	.00	450.00	157.20
10-420-5362	Incidental Software	2,019.76	1,300.00	2,300.00	87.82
10-420-5415	General Small Projects	10,173.02	24,000.00	20,000.00	50.87
10-420-5417	Feasibility Studies	.00	89,600.00	89,600.00	.00
10-420-5423	Telephone and Cell Services	2,185.30	1,700.00	1,700.00	128.55
10-420-5433	Publications & Legal Ads	8,455.52	2,300.00	6,300.00	134.21
10-420-5455	Permits and Fees	399.00	100.00	100.00	399.00
10-420-5461	Memberships	540.99	1,500.00	1,500.00	36.07
10-420-5469	Employee Education & Training	.00	4,400.00	4,400.00	.00
10-420-9999	Miscellaneous expense	.00	3,500.00	2,800.00	.00

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
Total Engineering:		895,932.07	1,062,400.00	1,062,400.00	84.33
Board of Directors					
10-440-5050	Director's Compensation	68,185.78	77,600.00	77,600.00	87.87
10-440-5115	Directors Health Benefits	10,851.60	10,900.00	10,900.00	99.56
10-440-5120	PERS-Normal Contributions	96.16	.00	.00	.00
10-440-5130	Social Security Expense	5,180.83	4,500.00	4,500.00	115.13
10-440-5221	Office Supplies & Expense	2,597.33	8,300.00	5,900.00	44.02
10-440-5223	Meeting Supplies & Expense	3,926.46	1,800.00	3,800.00	103.33
10-440-5229	Employee Recognition	.00	800.00	800.00	.00
10-440-5331	Personnel & HR Services	.00	11,800.00	11,800.00	.00
10-440-5342	Other Consultants	.00	7,600.00	7,600.00	.00
10-440-5359	Election Expenses	.00	25,300.00	25,300.00	.00
10-440-5423	Telephone and Cell Services	456.12	100.00	500.00	91.22
10-440-5461	Memberships	.00	8,900.00	8,900.00	.00
10-440-5465	Conferences	16,986.08	34,400.00	34,400.00	49.38
10-440-5467	Mileage & Travel	.00	500.00	500.00	.00
10-440-5469	Employee Education & Training	2,250.00	600.00	600.00	375.00
10-440-9999	Miscellaneous expense	2,291.62	5,000.00	5,000.00	45.83
Total Board of Directors:		112,629.66	198,100.00	198,100.00	56.85
Collection System					
10-460-5000	Regular Staff Salaries	855,741.63	804,700.00	804,700.00	106.34
10-460-5010	Overtime	23,799.75	55,800.00	55,800.00	42.65
10-460-5020	Doubletime	10,782.77	5,300.00	5,300.00	203.45
10-460-5030	Stand By	47,303.28	45,100.00	45,100.00	104.89
10-460-5073	Emergency Response Stipend	23,999.56	27,900.00	27,900.00	86.02
10-460-5075	Certification Stipends	26,792.08	25,600.00	25,600.00	104.66
10-460-5077	Longevity Pay	43,840.83	36,900.00	36,900.00	118.81
10-460-5110	Health Insurance-Actives	134,408.40	100,200.00	100,200.00	134.14
10-460-5111	Health Insurance-Retirees	3,375.78	9,800.00	9,800.00	34.45
10-460-5117	Dental Insurance	7,900.22	17,800.00	17,800.00	44.38
10-460-5119	Vision Services	1,584.35	1,000.00	1,000.00	158.44
10-460-5120	PERS-Normal Contributions	108,688.44	90,200.00	90,200.00	120.50
10-460-5130	Social Security Expense	75,721.94	73,200.00	73,200.00	103.45
10-460-5150	Group Life Insurance	3,071.81	2,500.00	2,500.00	122.87
10-460-5160	Long Term Disability	7,334.13	10,100.00	10,100.00	72.62
10-460-5170	Wellness Reimbursement Program	3,500.00	.00	3,500.00	100.00
10-460-5211	General Operating Supplies	5,344.64	.00	4,600.00	116.19
10-460-5221	Office Supplies & Expense	1,831.90	9,300.00	4,700.00	38.98
10-460-5222	Small Tools	2,992.40	2,100.00	2,100.00	142.50
10-460-5231	Diesel Collections	9,268.65	9,100.00	9,100.00	101.85
10-460-5233	Vehicle Gas Collections	8,992.20	11,900.00	11,900.00	75.56
10-460-5234	Vehicle Natural Gas	.00	1,900.00	1,900.00	.00
10-460-5235	Oil (vehicle and drum product)	.00	300.00	300.00	.00
10-460-5241	Safety Contractor Services	56,743.57	59,100.00	59,100.00	96.01
10-460-5243	Misc Safety Exp - Lgvsd only	15,284.56	23,100.00	23,100.00	66.17
10-460-5310	Vehicle Parts & Repairs	22,887.08	42,600.00	42,600.00	53.73
10-460-5311	Building Maintenance	2,112.41	41,800.00	41,800.00	5.05
10-460-5312	Grounds Maintenance	2,274.95	9,000.00	9,000.00	25.28
10-460-5315	Equipment Maintenance	43,112.38	15,500.00	15,500.00	278.14

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
10-460-5317	Equipment Repair	9,523.82	5,400.00	5,400.00	176.37
10-460-5319	Capital Repair / Replacement	2,993.49	.00	.00	.00
10-460-5334	Uniform Maintenance	14,126.73	7,800.00	7,800.00	181.11
10-460-5337	General	.00	300.00	300.00	.00
10-460-5339	Other Outside Services	5,984.34	35,500.00	35,500.00	16.86
10-460-5342	Other Consultants	.00	25,000.00	17,500.00	.00
10-460-5361	Consulting IT Services	5,639.50	12,000.00	12,000.00	47.00
10-460-5362	Incidental Software	13,125.97	2,000.00	2,000.00	656.30
10-460-5363	Subscription Software SaaS	63,436.40	45,600.00	45,600.00	139.11
10-460-5423	Telephone and Cell Services	7,169.74	6,300.00	6,300.00	113.81
10-460-5433	Publications & Legal Ads	.00	600.00	600.00	.00
10-460-5441	Lateral Rehab Assistance Prog	42,984.81	60,500.00	60,500.00	71.05
10-460-5455	Permits and Fees	31,249.97	4,600.00	4,600.00	679.35
10-460-5461	Memberships	5,704.61	5,400.00	5,400.00	105.64
10-460-5465	Conferences	.00	1,500.00	1,500.00	.00
10-460-5469	Employee Education & Training	3,460.00	17,000.00	13,500.00	25.63
10-460-9998	Credit Card Misc need receipts	96.83	.00	.00	.00
Total Collection System:		1,754,185.92	1,761,300.00	1,753,800.00	100.02

Maintenance

10-480-5000	Regular Staff Salaries	594,468.78	672,800.00	646,300.00	91.98
10-480-5010	Overtime	4,908.19	400.00	400.00	1,227.05
10-480-5020	Doubletime	517.51	.00	.00	.00
10-480-5030	Stand By	26,668.17	.00	26,600.00	100.26
10-480-5033	COVID Leave	.00	8,100.00	.00	.00
10-480-5073	Emergency Response Stipend	2,561.52	3,900.00	3,900.00	65.68
10-480-5075	Certification Stipends	25,527.14	18,900.00	18,900.00	135.06
10-480-5077	Longevity Pay	4,500.02	.00	5,500.00	81.82
10-480-5110	Health Insurance-Actives	76,598.24	70,700.00	70,700.00	108.34
10-480-5117	Dental Insurance	6,726.12	7,400.00	7,400.00	90.89
10-480-5119	Vision Services	642.81	900.00	900.00	71.42
10-480-5120	PERS-Normal Contributions	27,092.38	43,300.00	43,300.00	62.57
10-480-5130	Social Security Expense	46,445.39	41,500.00	41,500.00	111.92
10-480-5150	Group Life Insurance	2,216.52	1,700.00	1,700.00	130.38
10-480-5160	Long Term Disability	4,332.53	4,700.00	4,700.00	92.18
10-480-5170	Wellness Reimbursement Program	2,497.00	.00	2,500.00	99.88
10-480-5211	General Operating Supplies	3,040.32	900.00	900.00	337.81
10-480-5221	Office Supplies & Expense	1,270.42	2,600.00	2,600.00	48.86
10-480-5222	Small Tools	11,438.89	14,700.00	14,700.00	77.82
10-480-5232	Propane	49.20	400.00	400.00	12.30
10-480-5235	Oil (vehicle and drum product)	81.90	3,400.00	3,400.00	2.41
10-480-5243	Misc Safety Exp - Lgvsd only	12,869.89	14,100.00	14,100.00	91.28
10-480-5301	Contract Personnel	.00	10,800.00	7,800.00	.00
10-480-5310	Vehicle Parts & Repairs	15,166.57	6,300.00	6,300.00	240.74
10-480-5311	Building Maintenance	13,009.40	12,600.00	12,600.00	103.25
10-480-5312	Grounds Maintenance	15,697.02	4,900.00	4,900.00	320.35
10-480-5313	Power Generation Maint.& Rep	1,060.19	13,900.00	13,900.00	7.63
10-480-5315	Equipment Maintenance	33,766.04	42,800.00	42,800.00	78.89
10-480-5317	Equipment Repair	24,087.44	114,100.00	74,100.00	32.51
10-480-5319	Capital Repair / Replacement	8,709.67	160,000.00	10,000.00	87.10
10-480-5337	General	397.00	.00	.00	.00
10-480-5339	Other Outside Services	3,744.11	54,700.00	54,700.00	6.84

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
10-480-5342	Other Consultants	.00	20,900.00	13,400.00	.00
10-480-5361	Consulting IT Services	510.00	20,000.00	20,000.00	2.55
10-480-5362	Incidental Software	.00	800.00	800.00	.00
10-480-5415	General Small Projects	.00	400.00	400.00	.00
10-480-5423	Telephone and Cell Services	3,348.48	2,800.00	4,800.00	69.76
10-480-5461	Memberships	985.00	900.00	900.00	109.44
10-480-5465	Conferences	283.01-	1,600.00	1,600.00	17.69-
10-480-5469	Employee Education & Training	3,461.75	.00	1,000.00	346.18
Total Maintenance:		978,112.60	1,377,900.00	1,180,400.00	82.86

Pump Stations

10-500-5000	Regular Staff Salaries	12,807.32	.00	.00	.00
10-500-5211	General Operating Supplies	522.21	.00	.00	.00
10-500-5243	Misc Safety Exp - Lgvsd only	.00	1,700.00	1,700.00	.00
10-500-5312	Grounds Maintenance	4,703.58	2,500.00	2,500.00	188.14
10-500-5315	Equipment Maintenance	1,300.04	4,200.00	4,200.00	30.95
10-500-5317	Equipment Repair	9,517.48	7,300.00	7,300.00	130.38
10-500-5319	Capital Repair / Replacement	83,701.87	.00	80,000.00	104.63
10-500-5342	Other Consultants	.00	10,800.00	6,200.00	.00
10-500-5345	SCADA Engineering Support	20,404.67	23,200.00	42,800.00	47.67
10-500-5421	Internet Services	1,865.60	3,200.00	3,200.00	58.30
10-500-5423	Telephone and Cell Services	11,478.79	5,800.00	5,800.00	197.91
10-500-5425	Utility Power	174,611.61	136,300.00	136,300.00	128.11
10-500-5427	Water	7,003.60	4,200.00	4,200.00	166.75
10-500-5451	Rents & Leases - Office & Equi	1,491.26	27,200.00	27,200.00	5.48
10-500-5455	Permits and Fees	.00	2,700.00	2,700.00	.00
Total Pump Stations:		329,408.03	229,100.00	324,100.00	101.64

Laboratory

10-560-5000	Regular Staff Salaries	255,279.45	222,200.00	222,200.00	114.89
10-560-5010	Overtime	5,000.19	9,500.00	9,500.00	52.63
10-560-5020	Doubletime	4,296.75	6,100.00	6,100.00	70.44
10-560-5030	Stand By	7,275.97	5,300.00	5,300.00	137.28
10-560-5073	Emergency Response Stipend	3,599.96	3,500.00	3,500.00	102.86
10-560-5075	Certification Stipends	5,399.94	5,400.00	5,400.00	100.00
10-560-5077	Longevity Pay	8,441.13	7,400.00	7,400.00	114.07
10-560-5110	Health Insurance-Actives	26,697.24	34,000.00	34,000.00	78.52
10-560-5117	Dental Insurance	1,730.62	200.00	200.00	865.31
10-560-5119	Vision Services	303.94	200.00	200.00	151.97
10-560-5120	PERS-Normal Contributions	16,667.22	15,100.00	15,100.00	110.38
10-560-5130	Social Security Expense	18,629.15	16,700.00	16,700.00	111.55
10-560-5150	Group Life Insurance	651.80	400.00	400.00	162.95
10-560-5160	Long Term Disability	2,197.13	2,300.00	2,300.00	95.53
10-560-5170	Wellness Reimbursement Program	1,000.00	.00	1,000.00	100.00
10-560-5211	General Operating Supplies	1,430.70	21,300.00	18,300.00	7.82
10-560-5221	Office Supplies & Expense	5,412.85	3,600.00	6,600.00	82.01
10-560-5223	Meeting Supplies & Expense	27.75	.00	.00	.00
10-560-5243	Misc Safety Exp - Lgvsd only	1,063.96	1,000.00	1,000.00	106.40
10-560-5284	Laboratory Supplies	28,568.88	36,500.00	36,500.00	78.27
10-560-5301	Contract Personnel	.00	2,500.00	2,500.00	.00
10-560-5310	Vehicle Parts & Repairs	986.89	200.00	1,200.00	82.24

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
10-560-5315	Equipment Maintenance	6,558.36	3,900.00	3,900.00	168.16
10-560-5317	Equipment Repair	824.31	2,200.00	2,200.00	37.47
10-560-5319	Capital Repair / Replacement	.00	4,200.00	4,200.00	.00
10-560-5327	Pollution Prevention Contract	10,456.34	21,100.00	21,100.00	49.56
10-560-5329	Lab Contract Services	69,834.85	70,600.00	69,600.00	100.34
10-560-5337	General	.00	300.00	300.00	.00
10-560-5339	Other Outside Services	1,874.43	1,800.00	1,800.00	104.14
10-560-5342	Other Consultants	2,820.65	9,400.00	9,400.00	30.01
10-560-5361	Consulting IT Services	60.00	.00	.00	.00
10-560-5362	Incidental Software	.00	500.00	500.00	.00
10-560-5423	Telephone and Cell Services	925.30	1,500.00	1,500.00	61.69
10-560-5455	Permits and Fees	12,328.63	4,400.00	4,400.00	280.20
10-560-5461	Memberships	725.00	1,000.00	1,000.00	72.50
10-560-5465	Conferences	813.79	7,800.00	6,800.00	11.97
10-560-5467	Mileage & Travel	.00	100.00	100.00	.00
10-560-5469	Employee Education & Training	80.00	4,100.00	4,100.00	1.95
Total Laboratory:		501,963.18	526,300.00	526,300.00	95.38
Reclamation					
10-580-5312	Grounds and Pond Maintenance	6,906.69	122,000.00	122,000.00	5.66
10-580-5313	Power Generation Maint.& Rep	.00	400.00	400.00	.00
10-580-5315	Equipment Maintenance	1,411.75	1,200.00	1,200.00	117.65
10-580-5317	Equipment Repair	1,180.76	700.00	700.00	168.68
10-580-5323	Pasture Disk	192,937.84	121,400.00	121,400.00	158.93
10-580-5325	Sludge Inject & Land Applicati	57,067.10	2,000.00	2,000.00	2,853.36
10-580-5326	Marsh Pond Vegetation Removal	.00	60,000.00	60,000.00	.00
10-580-5337	General	.00	1,200.00	1,200.00	.00
10-580-5339	Other Outside Services	16,361.33	16,600.00	16,600.00	98.56
10-580-5342	Other Consultants	24,507.75	17,100.00	17,100.00	143.32
10-580-5417	Feasibility Studies	.00	10,400.00	10,400.00	.00
10-580-5425	Utility Power	48,539.03	49,800.00	49,800.00	97.47
10-580-5433	Publications & Legal Ads	.00	400.00	400.00	.00
10-580-5455	Permits and Fees	704.00	500.00	500.00	140.80
10-580-5720	Solar Power Purchase Agreement	67,959.05	.00	.00	.00
Total Reclamation:		281,657.20	403,700.00	403,700.00	69.77
Plant					
10-600-5000	Regular Staff Salaries	1,075,383.58	1,047,200.00	1,047,200.00	102.69
10-600-5010	Overtime	74,153.80	69,000.00	69,000.00	107.47
10-600-5020	Doubletime	42,779.66	13,400.00	15,400.00	277.79
10-600-5030	Stand By	54,876.00	70,400.00	70,400.00	77.95
10-600-5033	COVID Leave	.00	11,000.00	.00	.00
10-600-5060	Auto Allowance	5,216.15	700.00	5,700.00	91.51
10-600-5073	Emergency Response Stipend	25,961.10	29,800.00	29,800.00	87.12
10-600-5075	Certification Stipends	59,607.35	60,100.00	60,100.00	99.18
10-600-5077	Longevity Pay	32,704.61	28,700.00	28,700.00	113.95
10-600-5110	Health Insurance-Actives	210,832.17	209,600.00	209,600.00	100.59
10-600-5111	Health Insurance-Retirees	49,710.13	26,200.00	26,200.00	189.73
10-600-5117	Dental Insurance	14,512.38	16,100.00	16,100.00	90.14
10-600-5119	Vision Services	855.12	900.00	900.00	95.01
10-600-5120	PERS-Normal Contributions	155,101.09	125,400.00	125,400.00	123.69

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
10-600-5130	Social Security Expense	96,274.56	86,300.00	86,300.00	111.56
10-600-5150	Group Life Insurance	4,647.68	3,300.00	3,300.00	140.84
10-600-5160	Long Term Disability	13,597.13	9,100.00	9,100.00	149.42
10-600-5170	Wellness Reimbursement Program	4,391.61	.00	4,000.00	109.79
10-600-5211	General Operating Supplies	3,558.35	6,800.00	6,800.00	52.33
10-600-5221	Office Supplies & Expense	1,823.63	11,200.00	9,200.00	19.82
10-600-5222	Small Tools	5,383.45	2,400.00	4,400.00	122.35
10-600-5223	Meeting Supplies & Expense	61.82	1,200.00	1,200.00	5.15
10-600-5231	Diesel Plant	9,268.64	9,100.00	9,100.00	101.85
10-600-5232	Propane	2,166.79	8,300.00	8,300.00	26.11
10-600-5233	Vehicle Gas Plant	8,074.93	11,200.00	11,200.00	72.10
10-600-5241	Safety Contractor Services	.00	900.00	900.00	.00
10-600-5243	Misc Safety Exp - Lgvsd only	6,319.74	8,700.00	8,700.00	72.64
10-600-5281	Hypochlorite	427,200.04	536,600.00	536,600.00	79.61
10-600-5282	Bisulfite	230,450.24	203,600.00	203,600.00	113.19
10-600-5283	Miscellaneous Chemicals	70,830.87	69,300.00	69,300.00	102.21
10-600-5284	Laboratory Supplies	656.34	2,500.00	2,500.00	26.25
10-600-5301	Contract Personnel	.00	4,100.00	4,100.00	.00
10-600-5310	Vehicle Parts & Repairs	1,708.42	4,700.00	4,700.00	36.35
10-600-5311	Building Maintenance	13,939.09	8,700.00	8,700.00	160.22
10-600-5312	Grounds Maintenance	25,181.21	17,300.00	17,300.00	145.56
10-600-5313	Power Generation Maint.& Rep	12,107.21	11,700.00	11,700.00	103.48
10-600-5315	Equipment Maintenance	49,753.37	21,700.00	51,700.00	96.23
10-600-5317	Equipment Repair	26,376.94	16,500.00	26,500.00	99.54
10-600-5319	Capital Repair / Replacement	26,574.05	17,200.00	87,200.00	30.47
10-600-5327	Pollution Prevention Contract	.00	500.00	500.00	.00
10-600-5334	Uniform Maintenance	13,708.97	7,700.00	7,700.00	178.04
10-600-5337	General	7,477.91	1,200.00	1,200.00	623.16
10-600-5339	Other Outside Services	18,938.82	15,200.00	15,200.00	124.60
10-600-5341	Environmental	89,221.06	139,300.00	139,300.00	64.05
10-600-5342	Other Consultants	.00	50,100.00	30,500.00	.00
10-600-5345	SCADA Engineering Support	20,404.66	23,200.00	42,800.00	47.67
10-600-5361	Consulting IT Services	16,867.69	9,000.00	9,000.00	187.42
10-600-5362	Incidental Software	6,729.00	8,300.00	8,300.00	81.07
10-600-5421	Internet Services	269.59	1,200.00	1,200.00	22.47
10-600-5423	Telephone and Cell Services	9,711.36	15,100.00	15,100.00	64.31
10-600-5425	Utility Power	695,707.29	595,200.00	595,200.00	116.89
10-600-5427	Water	32,643.71	47,800.00	47,800.00	68.29
10-600-5433	Publications & Legal Ads	2,768.40	1,400.00	1,400.00	197.74
10-600-5455	Permits and Fees	66,215.80	70,400.00	70,400.00	94.06
10-600-5461	Memberships	11,485.10	12,200.00	12,200.00	94.14
10-600-5465	Conferences	7,877.44	12,700.00	12,700.00	62.03
10-600-5467	Mileage & Travel	1,151.79	100.00	100.00	1,151.79
10-600-5469	Employee Education & Training	1,050.94	8,300.00	8,300.00	12.66
Total Plant:		3,844,268.78	3,799,800.00	3,909,800.00	98.32
Nondepartmental Contributions					
10-670-5113	Health Insurance-OPEB Pre-fund	174,450.00	178,400.00	178,400.00	97.79
10-670-5120	PERS-Normal Contributions UAL	303,766.92	324,500.00	324,500.00	93.61

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
Total Nondepartmental Contributions:		478,216.92	502,900.00	502,900.00	95.09
Nondepartmental Debt Service					
10-699-5511	2004 COP/Refunding Principal	660,000.00	660,000.00	660,000.00	100.00
10-699-5512	IBank Principal	370,443.73	370,444.73	370,444.73	100.00
10-699-5513	State Revolving Fund Loan Prin	224,604.28	224,604.28	224,604.28	100.00
10-699-5514	2011Bank of Marin Loan Princip	280,075.80	247,186.20	247,186.20	113.31
10-699-5516	2017 Revenue Bonds Principal	1,155,000.00	1,155,000.00	1,155,000.00	100.00
10-699-5521	2004 COP/Refunding MF Interest	51,691.20	57,380.40	57,380.40	90.09
10-699-5522	IBank Loan Interest	180,346.25	313,134.07	313,134.07	57.59
10-699-5523	State Revolving Fund Loan Inte	55,788.49	60,860.17	60,860.17	91.67
10-699-5524	2011Bank of Marin Loan Interes	103,138.31	85,495.23	85,495.23	120.64
10-699-5526	2017 Revenue Bonds Interest	967,950.00	1,290,600.00	1,290,600.00	75.00
10-699-5552	Loan Annual Fees - IBank	31,869.07	31,869.07	31,869.07	100.00
Total Nondepartmental Debt Service:		4,080,907.13	4,496,574.15	4,496,574.15	90.76
General Revenue Total:		21,746,397.13	22,057,162.00	22,057,162.00	98.59
General Expenditure Total:		15,818,244.44	17,037,874.15	17,037,874.15	92.84
Total General:		5,928,152.69	5,019,287.85	5,019,287.85	118.11

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
Marin Lagoon					
Marin Lagoon SSC Surcharge					
20-310-4110	SSC Special Assessment-Current	24,750.00	24,750.00	24,750.00	100.00
Total Marin Lagoon SSC Surcharge:		24,750.00	24,750.00	24,750.00	100.00
Investment Income					
20-370-4710	Bank Interest - Marin Lagoon	583.82	20.00	20.00	2,919.10
Total Investment Income:		583.82	20.00	20.00	2,919.10
Marin Lagoon Expenses					
20-540-5000	Regular Staff Salaries	2,016.49	3,600.00	3,600.00	56.01
20-540-5312	Grounds Maintenance	.00	1,000.00	1,000.00	.00
20-540-5317	Equipment Repair	.00	1,000.00	1,000.00	.00
20-540-5319	Capital Repair / Replacement	.00	1,000.00	1,000.00	.00
Total Marin Lagoon Expenses:		2,016.49	6,600.00	6,600.00	30.55
Marin Lagoon Revenue Total:		25,333.82	24,770.00	24,770.00	102.28
Marin Lagoon Expenditure Total:		2,016.49	6,600.00	6,600.00	30.55
Total Marin Lagoon:		23,317.33	18,170.00	18,170.00	128.33

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
Captain's Cove					
Captain's Cove SSC Surcharge					
30-310-4110	SSC Special Assessment-Current	16,000.00	16,000.00	16,000.00	100.00
Total Captain's Cove SSC Surcharge:		16,000.00	16,000.00	16,000.00	100.00
Investment Income					
30-370-4710	Bank Interest - Captains Cove	263.06	5.00	5.00	5,261.20
Total Investment Income:		263.06	5.00	5.00	5,261.20
Captain's Cove Expenses					
30-520-5000	Regular Staff Salaries	7,528.75	1,100.00	1,100.00	684.43
30-520-5315	Equipment Maintenance	.00	700.00	700.00	.00
30-520-5317	Equipment Repair	1,839.33	1,900.00	1,900.00	96.81
30-520-5423	Telephone and Cell Services	83.00	1,100.00	1,100.00	7.55
Total Captain's Cove Expenses:		9,451.08	4,800.00	4,800.00	196.90
Captain's Cove Revenue Total:		16,263.06	16,005.00	16,005.00	101.61
Captain's Cove Expenditure Total:		9,451.08	4,800.00	4,800.00	196.90
Total Captain's Cove:		6,811.98	11,205.00	11,205.00	60.79

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
Connection Fees					
Investment Income					
40-370-4712	Interest Connection Fees CapX	32,292.86	1,733.00	1,733.00	1,863.41
Total Investment Income:		32,292.86	1,733.00	1,733.00	1,863.41
Connection Fees CapX					
40-380-4820	Connection Fees CapX	447,261.24	870,286.00	870,286.00	51.39
Total Connection Fees CapX:		447,261.24	870,286.00	870,286.00	51.39
Connection Fees Revenue Total:		479,554.10	872,019.00	872,019.00	54.99
Total Connection Fees:		479,554.10	872,019.00	872,019.00	54.99

Account Number	Account Title	2023-24 Current year Actual	2023-24 Adopted Budget	2023-24 Revised Budget	Earned Expended Percent
Recycled Water					
Recycled Water Charges					
60-320-4210	Recycled Water	151,271.46	165,400.00	165,400.00	91.46
Total Recycled Water Charges:		151,271.46	165,400.00	165,400.00	91.46
Investment Income					
60-370-4715	Interest on RW CD x5679	3,007.40	100.00	100.00	3,007.40
Total Investment Income:		3,007.40	100.00	100.00	3,007.40
Other Nonoperating					
60-380-4830	MMWD Buy-in & Bond Share CapX	337,158.83	631,177.00	631,177.00	53.42
60-380-4840	RW Cap Repair & Replace 10%	51,563.03	.00	.00	.00
Total Other Nonoperating:		388,721.86	631,177.00	631,177.00	61.59
Recycled Water Expenses					
60-620-5000	Regular Staff Salaries	10,836.16	27,500.00	27,500.00	39.40
60-620-5211	General Operating Supplies	43.63	5,400.00	5,400.00	.81
60-620-5284	Laboratory Supplies	652.68	3,200.00	3,200.00	20.40
60-620-5315	Equipment Maintenance	49.38	2,900.00	2,900.00	1.70
60-620-5317	Equipment Repair	4,910.30	2,000.00	2,000.00	245.52
60-620-5341	Environmental	16,156.69	24,600.00	24,600.00	65.68
60-620-5345	SCADA Engineering Support	20,404.68	23,200.00	23,200.00	87.95
60-620-5361	Consulting IT Services	7,648.91	14,000.00	14,000.00	54.64
60-620-5362	Incidental Software	.00	1,900.00	1,900.00	.00
60-620-5423	Telephone and Cell Services	331.78	4,500.00	4,500.00	7.37
60-620-5610	RWCRRF 10% LGVSD Contribution	14,395.55	.00	.00	.00
Total Recycled Water Expenses:		75,429.76	109,200.00	109,200.00	69.07
Recycled Water Revenue Total:		543,000.72	796,677.00	796,677.00	68.16
Recycled Water Expenditure Total:		75,429.76	109,200.00	109,200.00	69.07
Total Recycled Water:		467,570.96	687,477.00	687,477.00	68.01
Grand Totals:		6,905,407.06	6,608,158.85	6,608,158.85	104.50

Marin Lagoon - True Up - QUARTERLY TRANSFER

Beginning balance 7/1/2023 \$ **10,537.74**

			Bank of Marin Balance Transfer on 8-5-24
<u>Sewer Service Charge Revenue to Fund #5019</u>			
FY 23-24	(225 sewer units x \$110) Dec 2023 from County (55%)	\$ 13,612.50	Trns on 12/31/23
FY 23-24	(225 sewer units x \$110) April 2024 from County (40%)	\$ 9,900.00	Trns on 5/31/24
FY 23-24	(225 sewer units x \$110) June 2024 from County (5%)	<u>pending trnsf</u>	\$ 1,237.50
	<i>Sub-total</i>	\$ 23,512.50	

Interest - Estimated

7/1/23 to 4/30/24	\$ 465.56
5/1/24 to 6/30/24	\$ 118.26
	<u><i>Sub-total</i></u>
	\$ 583.82

Operating Expenses

Operating expenses excld. Capital Repl. 7-1-23 to 4-30-24	\$ (1,625.24)	
Operating expenses excld. Capital Repl. 5-1-24 to 6-30-24	<u>pending trnsf</u>	\$ (277.13)
Capital Replacement Expenses 7-1-22 to 6-30-24	\$ -	
	<u><i>Sub-total</i></u>	
	\$ (1,625.24)	

Capital Improvements Marin Lagoon PS #1 *

#4481 Marin Lagoon PS - no new expenses, pay towards PY balance	\$ (20,000.00)
* Completed in 21-22 but retention & incidentals paid 23-24	\$ -
	<u><i>Sub-total</i></u>
	\$ (20,000.00)

Total \$ **960.37**

Transfer from BoM Operating to Marin Lagoon on 8/5/24
JE Reclass #10-310-4110 to 20-310-4110 for \$1,237.50 for June SSC

Ending Balance as of 6/30/2024 \$ **13,008.82**

* Insufficient funding in Restricted Fund #5005

Restricted CIP Transaction Log

Estimated Beginning CIP Balance as of 7/1/2023	\$ (111,348.49)
Paydown of PY CIP PS#1 Project balance - transfer to OPS (5/31/24)	\$ 20,000.00
Estimated Ending CIP Balance due as of 6/30/24	\$ (91,348.49)
** Est. Balance of Marin PS #1 Upgrade CIP due FY 24/25 and beyond	\$ (91,348.49)

Captains Cove - True Up - QUARTERLY TRANSFER

Beginning Restricted Cash Fund Balance 7/1/2023	\$ 3,657.06	
		Bank of Marin Balance Transfer on 8-5-24
<u>Sewer Service Charge Revenue to Fund #5019</u>		
FY 23/24 (160 condo units x \$100) Dec 2023 from County (55%)	\$ 8,800.00	Trnsfd on 12/31
FY 23/24 (160 condo units x \$100) April 2024 from County (40%)	\$ 6,400.00	Trns on 5/31/24
FY 23/24 (160 condo units x \$100) June 2024 from County (5%)	<i>pending trnsf</i>	\$ 800.00
<i>Sub-total</i>	\$ 15,200.00	
<u>Interest</u>		
July through April	\$ 213.71	
May through June	\$ 49.35	
	\$ -	
<i>Sub-total</i>	\$ 263.06	
<u>Operating Expenses</u>		
Operating expenses excld. Capital Repl. 7-1-23 to 4-30-24	\$ (9,255.47)	Trns on 5/31/24
Operating expenses excld. Capital Repl. 5-1-24 to 6-30-24	<i>pending trnsf</i>	\$ (195.61)
Capital Replacement Expenses 7-1-23 to 6-30-24	\$ -	
<i>Sub-total</i>	\$ (9,255.47)	
<u>Capital Improvements April 1 to June 30, 2023</u>		
18350-01 Captains Cove PS Upgrades (ATS excluded) *	\$ -	
Duplex Controller PY Project Balance refund to BoM Ops (5/31/24)	\$ (7,461.96)	
	\$ -	
<i>Sub-total</i>	\$ (7,461.96)	\$ -
<i>Transfer from BoM Operating to Captain's Cove on 8/5/24</i>		\$ 604.39
<i>JE reclass #10-310-4110 to 30-310-4110 for \$800 for June SSC</i>		
Ending Fund Cash Balance as of 6/30/2024	\$ 2,402.69	

8/15/2024

SOLAR PROJECT UPDATE

- Separate Item to be distributed at Board Meeting
- Separate Item to be distributed prior to Board Meeting
- Verbal Report
- Presentation



Item Number _____ 3.6 _____

GM Review _____ CP _____

Agenda Summary Report

To: Board of Directors
From: Angela Beran, Grant Management and Procurement Specialist
 (415) 526-1517 aberan@lqvsd.org
Meeting Date: August 15, 2024
Re: Revisions and Additions to Board Policies to Reflect New Grant and Procurement Procedures and Staffing
Item Type: Consent _____ Action _____ Information X Other _____.
Standard Contract: Yes _____ No _____ (See attached) Not Applicable X .

STAFF RECOMMENDATION

Board to consider revisions and updates to the following Board Policies: F-90-40 (Purchasing Authority), F-90-60 (Purchase Orders), F-100-10 (Board Oversight), F-100-30 (Limits on Purchases and Credit Card Limits), F-100-40 (Review), and O-10-30 (List of Purchases). Consider adding a new Board Policy section F-100-80 (Credit Card Rewards) and new Board Policy F-150 (Grant Management).

BACKGROUND

Board Policy Section F-90-40 (Purchasing Authority) identifies staff positions and their purchasing authority. With the Grant Management and Procurement Specialist role recently being filled, staff recommend a purchase authority level of \$5,000 for the new position.

Board Policy Section F-90-60 (Purchase Orders) currently requires purchase orders for any purchases over \$3,000. To reduce the administrative burden, staff recommends increasing the threshold from \$3,000 to \$5,000. As approval is required for all invoices, the requirement for purchase orders on lower threshold items duplicates the approval process with no additional benefit to the District.

Board Policy Section F-100-10 (Board Oversight) currently authorizes the Board Vice President as the primary account holder for District credit card accounts. Staff recommends replacing the Board Vice President’s authorization with the General Manager, consistent with Board Policy B-80 which delegates to the General Manager “general authority over personnel matters and authority to administer the District,” which is in alignment with current practice.

Board Policy Section F-100-30 (Limits on Purchases and Credit Card Limits) identifies credit card limits by staff positions. With the Grant Management and Procurement Specialist role recently being filled, staff recommends a credit card limit of \$5,000 for the new position. Additionally, staff recommends revising and increasing the credit card limits of the Administrative/Financial Specialist and District Executive Assistant/Board Secretary roles from \$5,000 to \$7,500. Further, staff recommends revising and increasing the credit card limit of the Administrative Assistant from \$2,000 to \$5,000.



Board Policy Section F-100-40 (Review) identifies the Administrative/Financial Specialist as being responsible for the monthly credit card review process. With the Grant Management and Procurement Specialist role recently being filled, management recommends revising and shifting this responsibility to the Grant Management and Procurement Specialist.

Staff recommends adding a new Board Policy Section F-100-80 (Credit Card Rewards). The intent of the new section is to clearly identify any rewards points, benefits, cash back bonus, or discounts resulting from the use of District issued Credit Cards shall be utilized solely for the benefit of the District, following all applicable laws, and not for individual gain.

Staff recommends adding a new Board Policy Section F-150 (Grant Management). The intent of the new policy is to establish the District's authority for pursuing grants, authorizes the General Manager or designee to approve all grant application submittals, authorizes the Board to accept grant awards, identifies board reporting guidelines and grant application parameters.

Finally, Board Operations Policy Section O-10-30 (List of Purchases) identifies applicable purchase to include in capital asset accounting based on the original total cost and useful life. Staff recommend increases to the capital threshold from \$5,000 to \$15,000.

A redline version showing changes to the above referenced policies is provided for convenience. No other sections of Board Policies were revised with the exception of administrative changes.

Comments received will be incorporated and brought back to the Board for approval by formal resolution at a future meeting.

PREVIOUS BOARD ACTION

On April 18, 2024, the Board adopted Resolution 2024-2326 revising Board Policy F-90.

On October 6, 2022, the Board adopted Resolution 2022-2283 revising Board Policy F-100.

On January 5, 2023, the Board adopted Resolution 2023-2294 revising Board Policy O-10.

ENVIRONMENTAL REVIEW

N/A

FISCAL IMPACT

None

F-90 PURCHASING, INCLUDING RETAINING CONSULTANTS

Purpose

This policy establishes procedures for preparing and approving purchase orders; and preparing, reviewing, and approving contracts. It also covers legal requirements, petty cash, limits on General Manager purchases, the required "paper trail," conformance with received orders, and consultant arrangements.

F-90-10 Vendors for Small Items. To purchase small items -- such as office supplies, auto parts, and other miscellaneous items costing less than \$2,000- the General Manager will set policies for selecting vendors. District accounts are awarded to firms at management discretion that support local businesses, enable the purchase of green and/or recycled products, as well as provide for competitive prices, discounts, service levels, and convenience.

F-90-15 Petty Cash. A Petty Cash fund shall be maintained in the District office having a balance-on-hand maximum of \$500.00. Petty cash may be advanced to District staff upon their request for the purpose of procuring item(s) or service(s) appropriately relating to District business. After said item(s) or service(s) have been obtained, a receipt for same shall be submitted to the Administrative Assistant or Administrative/Financial Specialist and any remaining advanced funds shall be returned. The maximum petty cash advance shall be \$100.00. No personal checks shall be cashed in the petty cash fund. The petty cash fund shall be included in the District's annual independent accounting audit.

F-90-20 Out-of-Pocket Expenses. Whenever employees of the District incur "out-of-pocket" expenses for item(s) or service(s) appropriately relating to District business as verified by valid receipts, said expenses shall be reimbursed upon request from the District's petty cash fund or by check if needed. In instances when a receipt is not obtainable, the requested reimbursement shall be approved by the Administrative Services Manager prior to remuneration.

F-90-30 Quotations. To purchase items costing more than \$2,000, written quotations will be solicited from vendors and received by email, fax, or mail. District Staff may approve purchase orders up to the amount of their purchasing authority per F-90-40. For purchases between \$5,000 and \$15,000 three quotes will be obtained, unless the item is on the District's approved Summary of Specified Equipment List or replacement equipment is from a manufacturer's authorized dealer. In cases where the General Manager determines that certain products may provide a better service life, durability, meet a specific need or provide greater efficiency than other products he/she has the authority to order that product or engage the service without multiple quotes. The General Manager also has the authority to utilize specific maintenance and repair vendors as he/she deems appropriate or necessary.

F-90-35 Uniform Public Construction Cost Accounting Act (UPCAA). Public projects, as defined by the Act and in accordance with the limits listed in Section 22032 of the Public Contract Code, may be let to contract by informal procedures as set forth in Section 22032, et seq., of the Public Contract Code. Projects less than \$60,000 may be performed by staff of the Agency, by force account with a contractor, by negotiated contract, or by use of a purchase order. (District Code Title 1 Chapter 7).

Resolution 2024-2326xxx (Pending)	Date Approved: April 18, 2024 *** DRAFT ***
President of the Board	Last Reviewed and Approved: April 18, 2024

F-90-40 Purchasing Authority. The purchasing authority listed below shall apply except as authorized by separate Board action for specific construction projects.

Position	Authority
Board of Directors	No Limit
General Manager	<ul style="list-style-type: none"> Construction and consultant contracts up to \$60,000 Purchase Orders up to \$60,000 Budgeted informally bid construction contracts between \$60,001 and \$200,000. <i>(Per UPCCAA)</i>
Plant Manager	Purchases up to \$10,000.
District Engineer	Purchases and budgeted informally bid construction contracts up to \$20,000
Collection System/Maintenance/Safety Manager	Purchases up to \$10,000
Administrative Services Manager	Purchases up to \$10,000
District Executive Assistant/Board Secretary	Purchases up to \$5,000
Administrative/Financial Specialist	Purchases up to \$5,000
Grant Management and Procurement Specialist	Purchases up to \$5,000
Assistant/Associate- Engineer	Purchases up to \$5,000
Environmental Services Supervisor	Purchases up to \$7,500
Plant Operations and Maintenance Supervisors	Purchases up to \$7,500
Skilled Maintenance Worker I/II	Purchases up to \$1,000
Administrative Assistant	Purchases up to \$1,000

Formal construction bid contracts in excess of \$60,000 must come to the Board for approval prior to execution.

For purchases in excess of \$15,000, staff will inform the Board of Directors regarding the item as soon as administratively feasible.

F-90-50 Expense Authorization in the Absence of the General Manager. In the absence of the General Manager, two (2) managers may sign the purchase order for amounts in excess of \$15,000. The General Manager will approve the purchase order prior to payment.

F-90-60 Purchase Orders. Purchases over ~~\$3,000~~\$5,000 require a purchase order to be issued prior to ordering.

F-90-70 Disbursements. The District requires that all disbursements be properly approved and authorized. To ensure that internal control is maintained over cash disbursements the following procedures will be performed:

- The General Manager can authorize payment of demands without prior approval by the Board if the District Treasurer determines the demands are payable within the District's approved budget.

Resolution 2024- xxx (Pending) 2326	Date Approved: *** DRAFT *** April 18, 2024
President of the Board	Last Reviewed <u>and Approved</u> : April 18, 2024

- Disbursements, whether by check or electronic transfer, shall be included on a Warrant List and presented to the Board at the next regular meeting for review. Invoices and related support documents will be available prior to and at the Board meeting for review, providing for additional Board oversight.
- Demands exceeding the District's approved budget shall be subject to Board approval before payment.
- Disbursements made by check shall require two signatures for valid, documented and approved expenses by the District. Signing authority is to be granted by Resolution. Generally, checks drawn from the Operating bank account will be signed by the General Manager and Administrative Services Manager, who serves as the District Treasurer. Where either the General Manager or Administrative Services Manager is not available, a Board member may sign in place of the General Manager or the Administrative Services Manager, or two Board members may sign in place of the General Manager and the Administrative Services Manager.

F-90-75 Intergovernmental Agreements. Agreements between two or more government agencies or non-governmental organizations (NGOs) regardless of purchase amount must be approved by the Board.

F-90-80 Contract Execution. Regardless of expenditures and expense authorization levels, and unless otherwise authorized by the District Board, the Board (in the form of its President) and/or the General Manager shall remain the sole entities authorized to execute formal contracts on behalf of the District. Contracts shall include but not be limited to: Agreements with other governmental entities or NGOs; professional services agreements; construction, maintenance services, equipment procurement, and material supply contracts; and amendments thereof.

F-90-90 Consultants. Consultants will be retained whenever in the judgment of the General Manager that there are not sufficient resources or expertise to accomplish a task.

- Prospective consultants shall be selected from experienced, competent and reliable firms or individuals to provide the necessary resource.
- For consulting expenditures below \$60,000, consultants may be selected sole-source on the basis of their qualifications and ability.
- For consulting procurements exceeding \$60,000, a competitive process may be followed with emphasis on professional capability, availability to complete the task as well as cost. Professional Services Contracts over \$60,000 shall be submitted to the Board for approval. However in the case where the Board deems it more prudent and in the best interest of continuity of services, a consultant contract may be awarded without a competitive process.
- Regular reports of consultant's progress shall be reviewed by the General Manager and reported to the Board.

F-90-95 Vehicles. Fleet vehicles should be purchased through cooperative purchasing agreements or statewide contract. The Vehicle & Equipment Replacement Fund will be used to fund replacement vehicles and related equipment. The Board shall authorize the purchase of vehicles as part of the budget process or by separate Board action if not budgeted.

Resolution 2024- xxx (Pending) 2326	Date Approved: *** DRAFT *** April 18, 2024
President of the Board	Last Reviewed <u>and Approved</u> : April 18, 2024

F-100 CREDIT CARDS

Purpose

This policy establishes who gets credit cards, the controls over their use, repayment, and required documentation for employees for purchases of minor supplies and services on behalf of the District; paying for travel when on District business trips; and making small purchases as authorized in the Purchasing Policy.

F-100-10 Board Oversight. The ~~Board Vice President~~General Manager is authorized as the primary account holder who shall review statements of credit card transactions with supporting materials along with the warrant list. ~~This Board member is not to use the credit card for purchasing.~~ Per Board decision, on May 8, 2003 Board Members cancelled their credit cards.

F-100-20 Distribution. Credit cards shall be provided to District Staff members as determined necessary for the position by the General Manager. The Board is to be notified of the issue of new cards in a timely matter.

In order to maintain security over District issued credit cards, staff shall maintain possession of their District issued credit cards and not loan them to other staff for use.

F-100-25 Responsibility. The primary responsibility for ensuring the appropriate use of credit cards lies with the Named Cardholder. The Named Cardholder is responsible for obtaining receipts and providing them to the Administrative/Financial Specialist monthly.

The Department Head is responsible for (1) safeguarding against misuse of credit cards under control of their department staff; (2) implementing departmental procedures to ensure that purchases are appropriately reviewed, approved, and processed in a timely manner.

F-100-30 Limits on Purchases and Credit Card Limits. Credit card purchases shall be limited to:

- Budgeted District expenses and to certain vendor accounts.
- District business related seminar and conference expenses to include lodging, travel, meals, conference registration, and other appropriate expenses. The Administrative Services Manager is to be notified if the credit card is to be used outside the District. This is done in order to notify the bank for security.
- Meal expenses, as well as the meal expense of a guest if the breakfast/lunch/dinner meeting includes necessary discussion of District business with the guest. Excludes alcohol.
- Spouse or guest expense under very limited circumstances and only when paying for the spouse or guest in another manner is difficult or cumbersome. Reimbursement to the District, accompanied by an expense receipt, shall be made in a timely manner.
- Other instances deemed appropriate by the General Manager.

Resolution No. 2022-2283<u>2024-xxx (Pending)</u>	Date Approved: *** DRAFT *** <u>October 6, 2022</u>
President of the Board	Last Reviewed <u>and Approved</u> : October 6, 2022

Credit Card Limit

General Manager	Up to	\$20,000
Plant Manager	Up to	\$10,000
District Engineer	Up to	\$10,000
Collection/Maintenance/Safety- Manager	Up to	\$10,000
Administrative- Services Manager	Up to	\$10,000
<u>Administrative/Financial Specialist</u>	<u>Up to</u>	<u>\$ 7,500</u>
District Executive Assistant/Board Secretary	Up to	\$ 7,500 \$ 5,000
Administrative/Financial Specialist	Up to	\$ 5,000
<u>Grant Management and Procurement Specialist</u>	<u>Up to</u>	<u>\$ 5,000</u>
Assistant-/Associate- Engineer	Up to	\$ 5,000
Environmental Services Supervisor	Up to	\$ 5,000
Plant Operations Supervisor	Up to	\$ 5,000
Maintenance Supervisor	Up to	\$ 5,000
District Administrative- Assistant	Up to	\$ 5,000 \$ 2,000
Selected Plant, Collections and Maintenance Workers	Up to	\$ -1,200

F-100-40 Review. The Grant Management and Procurement Specialist ~~Administrative/Financial-Specialist~~ is to provide monthly statements to each Named Cardholder, collect receipts from each Named Cardholder and reconcile them to credit card transactions on a timely basis. The Administrative Services Manager shall review credit card purchases and determine the adequacy of receipts. The General Manager shall be provided credit card statements, receipts, and summary report for final review.

F-100-50 Revocation. A majority vote of the Board is required to revoke the use of a card by the General Manager. The General Manager may revoke the use of a credit card by an employee.

F-100-60 Prohibitions. Unauthorized use of a credit card or use of a credit card for personal purchases is strictly prohibited. The unauthorized use shall be reimbursed to the District by the employee before continuation of the use of the credit card will be allowed.

F-100-70 Use of Personal Credit Cards for District Business. Employees who are issued District credit cards are required to use them for District business unless administratively unfeasible.

Employees who do not have District issued credit cards may use personal cards to pay for travel expenses, emergency purchases and incidental items related to District business up to \$2,500 per event.

Use of personal credit cards for District purchases other than outlined above requires prior approval by the General Manager or will not be paid by the District.

F-100-80 Credit Card Rewards Points and/or Card Use Benefits. Any reward points, benefits, cash back bonus or discounts, if applicable, shall be utilized solely for the benefit of the District. Use of any such reward points, benefits, cash back bonus or discounts shall follow all applicable laws. No reward points, benefits, cash back bonus or discounts shall be utilized for individual gain.

Resolution No. 2022-22832024-2024-xxx	Date Approved: *** DRAFT *** October 6,
President of the Board	Last Reviewed <u>and Approved:</u> October 6, 2022

F-150 GRANT MANAGEMENT**Purpose**

This policy establishes authority for the District for the application, acceptance, and reporting of grants. This policy shall be approved by Board resolution and applies to all grants for which the District may apply.

A grant is an external funding source that is awarded for a specific purpose, is valid within a defined timeframe, and typically imposes contractual obligations on the District. The method of grant disbursement is determined by the granting agency and the use of the funds is generally subject to audit by the granting agency.

It is the objective of the District to affirmatively seek grant funding opportunities that add to the District's financial resources to help maintain and provide quality service and capital improvements for residents and businesses in the service area.

F-150-10 General Manager Authorization. All grant application submittals must be approved by the General Manager or designee.

Based on the following circumstances, Board delegates to the General Manager the ability to approve submittal of a grant if:

- The Board has a policy, goal, or plan in place supporting the program the funds would be used for.
- The grant or application does not require any staff time, other than that of the Grant Management & Procurement Specialist, and which will not be funded by the grant or program applied for.
- The grant or application does not require any additional District funds not already budgeted for this purpose and which falls under the purchasing authority of the General Manager.

Board approval must be obtained to apply for a grant that does not meet the conditions set forth above or if the granting agency requires governing body approval before applying for a grant.

When considering the submittal of a grant application, the General Manager will consider the grant application parameters referenced at the end of this policy. In addition, the General Manager is authorized to accept or rejected all grant awards that do not fall under Board authorization described in the following section.

F-150-20 Board Authorization. Board approval for acceptance of grant awards is required when any of the following apply:

- Funding for the project is not already approved in the amended operating or capital budgets.
- Funds will be used to purchase or lease real property.
- The District acts as a fiscal agent for another agency.
- Appropriation of additional funds to serve as matching funds is required.
- The granting agency requires governing body approval.

F-150-30 Board Reporting Guidelines. The Administrative Services Manager or designee will report to Board as follows:

- As part of the Quarterly Financial Reports, staff will include the following for all active grants and grants closed-out during the fiscal year:
 - Purpose of the grant
 - Granting agency
 - Grant amount awarded
 - Grant amount spent
 - Grant amount remaining
 - Grant term/period of performance

F-150-40 Grant Application Parameters.

1. The minimum dollar amount of the solicitation of grant funds from both Federal/State government agencies and private agencies should generally be the following:
 - a. Federal \$1,000,000
 - b. State \$500,000
 - c. Private and Other Local Public Agencies \$5,000

When grant opportunities arise that have funding available below the minimum thresholds identified above, the General Manager or designee are authorized to determine if it is still in the best interest of the District and their resources to move forward with preparing and submitting a grant application.

2. Amounts under this minimum should be considered only if there are minimal administrative tasks (i.e., financial/project reporting, maintaining receipts, vouchers, etc.) imposed on the District by the grantor.
3. Program and projects proposed for grant funding should be those that are consistent with the District’s Mission, Vision and Strategic Goals as identified as part of the District’s Strategic Plan, Integrated Wastewater Master Plan, or similar planning documents.
4. Grant programs must comply with rules established by the granting agency. If the requirements by the granting agency conflict with District policies, the granting agency requirements prevail. No grant may be accepted if grant program requirements conflict with state or federal law or with any District ordinance.
5. The submission of a grant application does not commit the District to appropriating match funds or funds for ongoing costs not covered by the grant.

Resolution No. 2024-XXXX	Date Approved: *** DRAFT *** MONTH XX,
President of the Board	Last Reviewed: MONTH XX, 2024 <u>NEW</u>

OPERATIONS

O-10 CAPITAL ASSET ACCOUNTING CONTROLS

Purpose

This policy establishes procedures for accounting controls, inventory of facilities and equipment, assignment of value, depreciation, and maintenance procedures.

O-10-10 Accurate Financial Reports. The purpose of this policy is to ensure proper accounting control resulting in the maintaining of accurate financial reports of capital assets.

O-10-20 Report to Board. An accounting of all capital assets shall be conducted on an annual basis.

O-10-30 List of Purchases. Applicable purchases for inclusion in said accounting shall be the following:

- Equipment, tools, and vehicles that individually have an original total cost basis of more than \$15,000 and a useful life greater than one year
- All land and building acquisitions regardless of price; and,
- Additions or major improvements to the District's service infrastructure.

O-10-40 Recordkeeping. Permanent inventory records shall be maintained in either a paper file or electronic (computer data base) format. Said records shall be updated whenever a change in the status of a particular capital asset occurs (e.g., original purchase, sale, destruction, loss, theft, etc.).

O-10-50 Inventory Requirements. Information to be maintained in said inventory records shall include at least the following:

- Asset number
- Description
- Manufacturer's serial number
- Storage location
- Original cost
- Acquisition date
- Life expectancy
- Classification code (e.g., office equipment, vehicle, etc.)

O-10-60 Administrative Policies and Procedures. The General Manager and Administrative Services Manager shall develop internal capital asset policies and procedures necessary for establishing and maintaining internal controls to achieve the objectives of effective and efficient operations, reliable financial reporting, and compliance with laws and regulations.

Resolution No. 2024-2024-xxx2023-2294	Date Approved: *** DRAFT *** January 5, 2023
President of the Board	Last Reviewed and Approved : December 15, 2022

8/15/2024

BOARD MEMBER REPORTS

CLARK

NBWA Board Committee, CASA Workforce Committee, Operations Control Centers Ad Hoc Committee, Fleet Management Ad Hoc Committee, FutureSense Ad Hoc Committee, Other Reports

MURRAY

Marin LAFCO, Flood Zone 6, Biosolids Ad Hoc Committee, CASA Energy Committee, Development Ad Hoc Committee, SF Trail Ad Hoc Committee, Other Reports

NITZBERG

Operations Control Centers Ad Hoc Committee, McInnis Marsh Ad Hoc Committee, Fleet Management Ad Hoc Committee, SF Bay Trail Ad Hoc Committee, Other Reports

ROBARDS

Gallinas Watershed Council/Miller Creek, NBWRA, Engineering Ad Hoc Committee re: STPURWE, McInnis Marsh Ad Hoc Committee, Development Ad Hoc Committee, FutureSense Ad Hoc Committee, Other Reports

YEZMAN

Flood Zone 7, CSRMA, Ad Hoc Engineering Sub-Committee re: STPURWE, Marin Special Districts Association, Biosolids Ad Hoc Committee, Other Reports



ITEM	LEAD
Welcome/Roll Call	Heidi Oriol (Chair), Sarah Deslauriers and Greg Kester (CASA)
Review/Approval of Agenda	All

PRIORITY ISSUES/ACTION ITEMS

ITEM	LEAD	NOTES
1. CARB Advanced Clean Vehicle Regulations (CASA Updated Summary) EPA's GHG Standards for Heavy-Duty Vehicles	Sarah, David, Steve	Final ACF Package reopened to implement AB 1594 requirements, submitted letter of recommendations and met with CARB staff Jun 26 to answer questions and provide clarifications; CASA drafting FAQ on ACF regulations; CARB's Truck Regulations Implementation Group Subgroups continue to meet; CASA met w/ CARB Chair Jun 24 and CARB DEO on Climate Change Jul 8 to discuss next steps w/ state agencies on beneficial uses of biogas. EPA issued final rule correction for GHG standards for heavy-duty vehicles.
2. SB 1383: CH₄ Reductions	Greg, Jim, Layne	Continued tracking/participation in County actions related to land application of biosolids and Article 2 determinations . Federal Interagency (EPA-USDA-FDA) strategy under development to divert organics from landfills across US.
3. CARB Low Carbon Fuel Standard	Greg Sarah	45-day proposed regulatory updates released Jan 5 , comments submitted Feb 20, comments on April 10 workshop submitted May 9, 15-day changes to be distributed, public hearing scheduled for Nov 8 with changes effective 2025.
4. 8-hour Ozone Attainment: EPA SIP Disapproval & SCAQMD Rule 317.1	David Sarah	EPA disapproves LA-South Coast Air Basin's 1997 8-hour Ozone Air Plan; however, it cannot be achieved without reductions from federal sources (including vehicles); comments submitted Apr 3, decision to be final by July 2024. SCAQMD approved proposed Rule 317.1 Jun 7 to apply non-attainment fees (Clean Air Action under Section 185) for 8-hour Ozone, imposing fees on Title V facilities – Clean Water SoCal and CASA commented.
5. CNRA Natural & Working Lands (NWL) Climate Smart Strategy Environment Farming Act Science Advisory Panel (EFA SAP)	Sarah Greg	CNRA posted final carbon sequestration targets in support of AB 1757; Climate Smart Strategy to be released in fall 2024 for review, CASA requested biosolids be listed as eligible soil amendment, expert advisory committee to meet July 11 , CASA to provide public comment. EFA SAP meets quarterly to review latest science on improving soil health and carbon sequestration – next meeting Aug 1.
6. Criteria Pollutants & Toxics Emissions Reporting (CTR) & Hot Spots Program (EICG) EPA's Air Emissions Reporting Rule Update	Sarah Steering Committee	Wastewater sector reports BAU through 2027 while performing Statewide Air Toxics Pooled Emissions Study led by Project Manager (PM), Progress Meeting held June 26 with Steering Committee, Air Toxics Subgroup meeting held Jul 10, next one is Aug 14, CASA continues outreach to participants. CASA commented on EPA's proposed revisions to its air emissions reporting rule to be finalized and published by July 2024.
7. Adaptation-Related Updates	Sarah	Tracking OPC Sea Level Rise Action Plan and Strategic Plan ; OPC released the final 2024 SLR Guidance , OPC's SB 1 SLR Adaptation Planning Grant funding has been awarded and remains open. Keep watch of your NPDES and WDR permits for climate change related requirements! SWRCB to develop a NEW Climate Change Resolution, CASA requested to be involved in the process.

STATE LEGISLATIVE & BUDGET UPDATE

ITEM	LEAD	STATUS
1. State Legislation	Jessica/Spencer	Status of ACE-tracked bills
2. Governor's Budget	Jessica/Spencer	"Enacted" Budget Summary (details to be released)

INFORMATIONAL ITEMS

ITEM	LEAD	NOTES
1. Biogas to Hydrogen	Sarah	US National Clean Hydrogen Strategy and Roadmap acknowledges WWTP biogas as renewable feedstock; continued tracking of hydrogen related bills; members working to demonstrate viability.
2. Incentives to Improve Soil Health & C-Sequestration in CA	Sarah	From IRA to USDA NRCS Climate-Smart Agriculture & Forestry to Climate Action Reserve credits in the voluntary market.

3.	Biosolids Emissions Assessment Model (BEAM) Update	Sarah	BEAM update underway, the model supports the greenhouse gas emissions comparison of solids/biosolids management approaches.
4.	BACT: Emergency Diesel Engines	David Courtney	SCAQMD considering source test provisions for large (>1000 hp); SMAQMD adopts Tier 4 for small (>50), BAAQMD to follow.
5.	CARB Potential Amendments to Off-Road Diesel Engine Standards	Courtney	Tier 5 rulemaking (including CO ₂ standards), proposal expected in 2024, implementation to begin 2028.
6.	WRF Projects of Interest	Sarah	Nitrous Oxide at WRRFs, PFAS destruction comparison.
7.	Cross-Media Issues	Sarah	CASA's Engineering & Research Group to select 3 issues to research over next 2-5 years, ERG to meet in person during Annual Conference.

UPCOMING CONFERENCES/EVENTS

NAME	DATE/LOCATION
WEF Circular Water Economy Summit	July 15-17, Dallas, TX
NACWA Utility Leadership Conference/54th Annual Meeting	July 23-26, Buffalo, NY
CASA Annual Conference	July 31-Aug 2, Monterey, CA
WEFTEC 2024	October 6-9, New Orleans, LA
CASA-CWEA Innovative Technology Seminars	October 29, Hyperion and October 30, SEP Community Center
NACWA National Clean Water Law & Enforcement Seminar	November 13-15, Tucson, AZ
California Bioresources Symposium	November 19-20, UC Davis Conference Center

NEXT MEETING: August 8th

Air Quality, Climate Change, & Energy (ACE) Workgroup Meeting

July 11, 2024 (10 am – 12 pm)
Virtual – Zoom Link (see Meeting Invite)



1

Priority Issues/
Action Items



2

Supreme Court throws out Chevron decision... what does this mean for us?

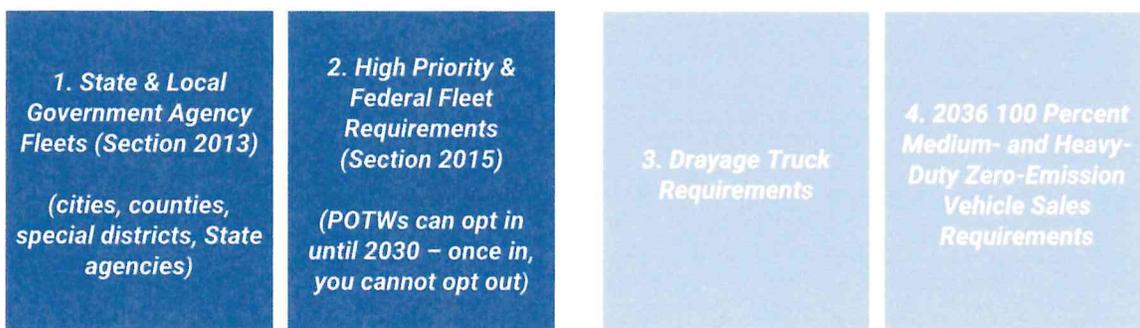
- Supreme Court ruled 6-3 June 28th to overturn the 1984 “Chevron decision”
- The “Chevron Decision” stated judges should defer to the executive branch (federal agencies) when laws passed by Congress are ambiguous
- ISSUE: Some groups felt it gave too much power to the executive branch
- IMPACT OF SUPREME COURT RULING:
 - Will give courts/federal judges the first and final word on what statutes mean
 - Could lead to litigation that aims to weaken or remove critical protections for public health and the environment (oceans, waters, public lands, air, etc.)



3

1. CARB’s Advanced Clean Fleet Regulations/Resolution

Applies to gross vehicle weight rating >8,500 lbs (medium- and heavy-duty)



Contain requirements/schedules for POTWs!



4

1. CARB's Advanced Clean Fleet Regulations/Resolution

State & Local Government Agency Fleets

include cities, counties, special districts, state agencies



- **If NOT in a low population county, have >10 vehicles in fleet:**
 - January 1, 2024, 50% of vehicle purchases in each calendar year must be ZEVs
 - January 1, 2027, 100% of vehicle purchases in each calendar year must be ZEVs
- **If in low population county or ≤10 vehicles in fleet:**
 - January 1, 2027, 100% of vehicle purchases in each calendar year must be ZEVs
- No requirement to end the use of existing compliant vehicles
- Exemptions/extensions are available, but access is conditional
- Early ZEV purchases made before deadlines or in excess of requirement count toward future ZEV purchase requirements



5

1. CARB's Advanced Clean Fleet Regulations/Resolution

High Priority & Federal Fleets

If you are a WWTP, you can opt your entire medium and heavy-duty fleet into this regulation:

- Timeline to transition entire medium- and heavy-duty fleet (see table below)
- Exemptions/extensions are available, but access is conditional

Percentage of fleet that must be ZEVs →	10%	25%	50%	75%	100%
Milestone Group 1: Box trucks, vans, buses w/ two axles, yard tractors, light-duty package delivery vehicles	2025	2028	2031	2033	2035 +
Milestone Group 2: Work trucks, day cab tractors, buses with three axles	2027	2030	2033	2036	2039 +
Milestone Group 3: Sleeper cab tractors and specialty vehicles	2030	2033	2036	2039	2042 +

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Focus of AB 1594 amendments by CARB 

Provision	Conditions
(1) Backup Vehicle Exemption	Vehicle, excluding yard tractors, operated <1,000 miles per year excluding any mileage travelled while performing emergency operations.
(2) Daily Usage Exemption	Vehicle being replaced must be 13+ years old (16+ years or 700,000+ miles under Section 2015), and fleet must consist of => 10% of ZEVs/NZEVs, replacements are pursuant criteria specified in section 2013.1(b) and if no BEV is available that meets demonstrated daily usage needs of existing vehicles of same configuration.
(3) ZEV Infrastructure Delay Extension	Extension available to vehicles 13+ years old (16+ years or 700,000+ miles under Section 2015), extends compliance up to 5 years for planning/construction delays.
(4) ZEV Purchase Exemptions	Exemption available to vehicles 13+ years old (16+ years or 700,000+ miles under Section 2015), check ZEV purchase exemption list . Can buy ICE vehicle if ZEV not available in configuration needed.
(5) Mutual Aid Assistance	Reserves up to 25 percent of ICE vehicles in a fleet for use in mutual aid events. Number of new ICE vehicles allowed to be purchased must not exceed 25% of total number of vehicles in fleet in calendar year exemption is approved, less the number of ICE vehicles already in fleet purchased pursuant to granted exemption. Fleet must be comprised of ZEVs: at least 25% until January 1, 2032; 50% until January 1, 2035; and 75% thereafter.
(6) Intermittent Snow Removal Vehicle	Receive exemption from ZEV purchase requirements (section 2013(d)) until January 1, 2030, to purchase ICE vehicles operating as snowplows.
(7) Non-Repairable Vehicle	Temporarily replace vehicle due to accident or onetime event beyond fleet owner's control (fire or catastrophic failure damaging the engine and vehicle are not repairable). May request/obtain exemption from ZEV purchase requirements in section 2013(d). May purchase used ICE vehicle of same configuration with engine of same or newer model year as non-repairable vehicle no >180 calendar days from date vehicle became non-repairable.
Vehicle Delivery Delay Extension	Allows High Priority & Federal Fleet vehicles (Section 2015.1(c)(4)) to remain compliant if a ZEV order is delayed. Not relevant to the ZEV purchase schedule under the SLGA Regs, Section 2013.

8

Does AB 1594 allow change of any provisions in ACF?

- Signed October 8, 2023
- Applies to public agencies,..community water systems, water districts, wastewater treatment providers..
- Authorizes public agencies to “...purchase traditional replacements for medium- and heavy-duty vehicles at the end of their useful life...when needed to maintain reliable service and respond to major foreseeable events...without regard to the model year of the vehicle being replaced.”
- ACF regulations re-opened March 25th to incorporate requirements of AB 1594
- CARB stated they are limiting amendments to ZEV Purchase and Daily Usage Exemptions to remove vehicle age requirements to be eligible
- CASA submitted comments May 20th and met with CARB to discuss additional questions June 26th – CARB needs to show our ability to plan to determine how to provide flexibility for vehicle replacement
- CASA is coordinating with ACWA, CMUA (sponsor), SCPPA, NTPA to have a united front where possible
- Updating our response to CARB questions for submission by July 19th
- Amendment process intended to be complete by early 2025



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1. CARB's Advanced Clean Fleet Regulations/Resolution

Other Actions/Upcoming Events:

- Board Resolution on biogas utilization – CASA met with CARB Chair June 24th, Deputy EO Rajinder Sahota to lead efforts and work with CASA (met July 8th)
- Truck Regulations Implementation Group (TRIG) continues to meet to receive input
 - Subgroups formed: Outreach, Border Communities, Infrastructure Implementation, Rule Provisions
- High Priority Fleet Q&A Session held June 20th (recording)
- CARB [One-Stop Truck Event](#) – July 23, Whittier Double Tree (registration required)
- “Next-Stop to Zero” Education Series, Day 2: Date TBD
 - Presentations/roundtable discussions by manufacturers, incentive/funding program representatives, CARB staff, other subject matter experts, and fleets leading medium- and heavy-duty ZEVs
 - Panelist discussion by industry experts (topics include Switching to ZEVs, Infrastructure, Utilities and Permitting), and a presentation on the ACF regulations



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1. EPA to issue final “phase 3” standards for GHG emissions reductions from Heavy-Duty Vehicles MY 2027-2032

- Phase 2 (2016) applied to medium- and heavy-duty vehicles MY 2021+
- Phase 3 applies to heavy-duty vocational vehicles (delivery trucks, refuse haulers, public utility trucks, transit, shuttle, and school buses) and tractors (day cabs and sleeper cabs on tractor-trailer trucks)
- Standards can be met by a range of vehicle technologies: advanced internal combustion engine, hybrid, plug-in hybrid, battery, and hydrogen fuel cell
- Fulfills EPA’s Clean Trucks Plan consisting of three parts: Phase 3 GHG standards for heavy-duty vehicles, final rule for light- and medium-duty (Class 2b/3) vehicles MY 2027-2032, and the 2023 heavy-duty NOx final rule

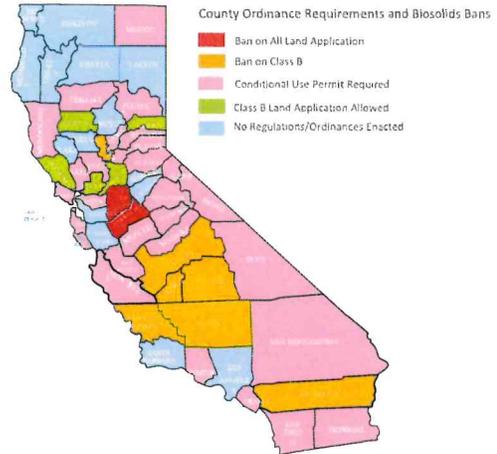


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2. SB 1383 Organic Waste Methane Emissions Reduction



- 40% methane reduction by 2030 (relative to 2013 levels) via organic waste diversion from landfills
 - 75% by January 1st, 2025 (relative to 2014 levels)
- Counties with overly restrictive ordinances for land application are reassessing restrictions as projects arise
 - Sutter County has updated their Ordinance to allow Class A/EQ land application (CalRecycle, CASA, City of Yuba City advocated for Class B)
 - Tracking CalRecycle’s compliance evaluations across CA with focus on Stanislaus, San Joaquin, Tulare, Kern, San Benito (Class B CUP)
- Article 2 interpretation and determination discussions continue, specifically regarding processes 1) counting as landfill disposal AND 2) whether there is a net-methane reduction



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2. Interagency (EPA-USDA-FDA) push to manage landfill methane through organic food waste diversion

- EPA Clean Air Act (CAA) deadline to review new source performance standards for **new** landfills is August!
- Estimate that >1/3 of MSW is organic and ~1/4 of MSW is food waste
- Estimate 61% of methane generated by food waste is not captured
- Interagency strategy is under development to reduce organic waste sent to landfills
- Primary focus to achieve reduction via recovery, followed by diversion
- EPA plays a large role in diversion of and recycling organics infrastructure via compost and AD facilities – **pledging to fund \$275M in grants from Solid Waste Infrastructure for Recycling Grant Program**
- Plans to evaluate new and emerging technologies and different regulatory approaches that could be incorporated into Section 111 of the CAA
- More to come on grant opportunities!

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3. CARB Low Carbon Fuel Standard (LCFS)

- Designed to reduce fossil fuel dependence and reduce carbon intensity of fuel used
- Proposed (45-day) changes released January 5th
 - Phase-out avoided methane crediting for both biomethane and hydrogen pathways
 - Phase-out credit for biomethane as a transportation fuel
 - ISOR recognizes importance of POTWs but suggests POTWs need new/more digestion capacity/infrastructure which may require a compliance response
- Actions
 - CASA submitted comments February 20th and participated in April 10th workshop (followed by submitting written comments May 9th on the workshop content)
 - CARB to hold more workshops and release 15-day changes later this year
 - Board intends to vote November 8th, updates to be effective 2025

15-day changes to be released in coming weeks!



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4. 8-hour Ozone Attainment: EPA Disapproval of State Implementation Plan (SIP) & SCAQMD Rule 317.1

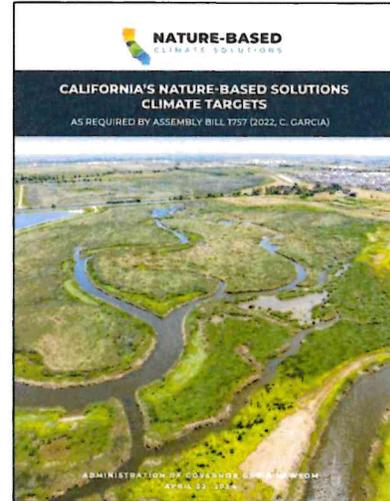
- Federal 8-hour ozone attainment requirements (set in 1997 for 2023) unreachable without reductions by federal mobile and other sources in the LA-South Coast Air Basin
- However, EPA disapproved of LA-South Coast Air Basin's 1997 8-hour Ozone Air Plan, stating:
 - "No basis for approving federal assignments" even though they acknowledged federal sources represent the majority of emissions in response to SCAQMD's 1994 ozone SIP
 - Contingency measures to achieve reductions were not implemented properly
- As a result, penalties (per Section 185 of CAA) are being considered for Title V facilities in the LA-South Coast Air Basin with the approval of SCAQMD Rule 317.1 (SoCal Title V agencies collective-fees could be ~\$800k per year)
- CASA submitted comments on EPA's disapproval of the SIP – **final decision expected in July**
 - Requested limited approval of SIP and for EPA to work with SCAQMD/CARB to strengthen SIP including acknowledging/implementing measures to reduce federal emission sources
- Clean Water SoCal/CASA testified June 7th during SCAQMD's adoption of Rule 317.1 – SCAQMD adopted a resolution to manage ww sector differently



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5. CNRA NWL Climate Smart Strategy

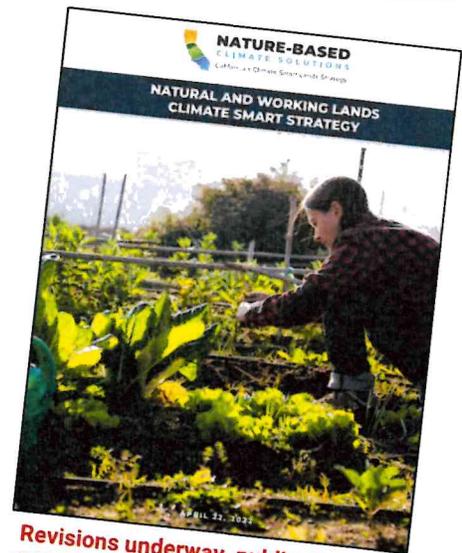
- Modeling 8 landscapes for GHG reduction potential
- AB 1757 requires CNRA to develop quantitative [nature-based solution targets](#) for 2030, 2038, 2045
- CASA submitted input on draft targets and solutions requesting biosolids be an eligible soil amendment (in addition to compost and biochar)
- Final acreage-based targets released April 22, 2024, with [Governor’s announcement](#)
- Focus now is:
 - Implementing targets into NWL Climate Smart Strategy updates (draft updates coming in fall 2024)
 - Identify science/data needs for tracking progress toward targets
 - Update the NWL GHG model



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5. CNRA NWL Climate Smart Strategy

- Expert Advisory Committee meetings: May 30, July 11 (today!), Sept 12 and Nov 6
- May 30th
 - Coastal Wetlands Focus
 - Status of CNRA’s NWL Climate-Smart Strategy updates
- July 11th, 1-5 pm
 - Nature-Based Solutions Targets
 - Nature-Based Solutions Implementation Barriers and Solutions
 - Remote Sensing for Nature-Based Solutions



Revisions underway, public review process to be complete in 2025



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6. Criteria Pollutants & Toxics Reporting and Air Toxics “Hot Spots” Inventory Program

- AB 617 gives CARB authority to “harmonize” air monitoring, reporting, & emission reductions for stationary sources
- AB 2588 Hot Spots compound list is >1,700 compounds (from >500)
 - Unknown toxicity levels
 - Unknown emission factors
 - Many are not relevant to WWTPs
- Phased compliance allows WWTPs to:
 - Report business-as-usual through 2028 (reporting begins 2029 for 2028 data) but **all WWTPs must participate in a two-step process (individually or as a group)**
 - Perform “two-step process” to determine relevant shortlist of compounds
 1. Scan air space of unit processes to determine detectable compounds
 2. Perform sampling and analysis to ultimately quantify emissions of detectable compounds (Mimic 1990 Pooled Emissions Estimation Program, PEEP, but broader in scope)



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6. Statewide Pooled Emissions Study

- Latest Study actions:
 - Performing the Two-Step Process in two Phases
 1. Develop approvable protocol to perform two-step process
 2. Perform the two-step process
 - Progress Meeting held June 26th with Yorke/Steering Committee – draft protocol to be developed by August for internal review
 - CASA’s Air Toxics Subgroup open to all Study participants, next meeting: August 14th
 - Monthly written summaries to be distributed to participants beginning July
 - Meetings with CARB and Air Districts to be coordinated when needed and determined by Yorke/Steering Committee
 - CASA outreach to broader participants continues



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6. Federal air toxics reporting updates underway

- Proposed revisions to EPA’s Air Emissions Reporting Rule (AERR):
 - Proposed revisions published August 9th with public meeting held August 30th
 - Comments submitted November 17th supporting CARB’s application to submit on CA facilities’ behalf and that CTR/EICG are compliant

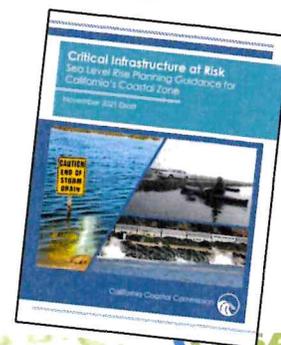
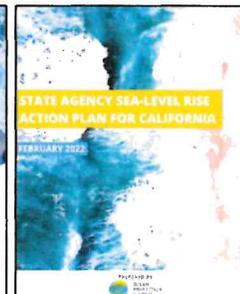
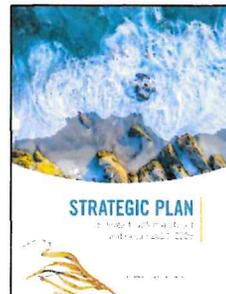
**No Update
from EPA**



20

7. Adaptation-Related Updates

- Tracking activities related to:
 - OPC Strategic Plan ('20-'25)
 - OPC Sea Level Rise (SLR) Action Plan (FY '22-'25)
 - Coastal Commission SLR Planning Guidance
 - CNRA 30x30 California
 - SWRCB Climate Change Resolution/Policy Update
 - Regional Water Board Climate Vulnerability Assessments in NPDES/WDR Permit Renewals & Basin Plan Amendments
 - Resilience-related funding
- SLR Planning Guidance Updates
 - OPC 2024 SLR Planning Guidance Update final June 4th
 - Coastal Commission to update their “Critical Infrastructure at Risk: SLR Planning Guidance” scenarios – removing the extreme (H++) scenario



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7. Adaptation Updates: SB 1 SLR Adaptation Planning Grant

- Grant funding for local, regional, and tribal governments facing significant and imminent SLR threats along the CA coast and San Francisco Bay shoreline
- Latest round of funding approved:
 - Up to \$250,000 to the City of Sausalito
 - Up to \$1,499,285 to Contra Costa County
 - Up to \$600,000 to the City of Santa Cruz
 - Up to \$1,200,000 to the Stinson Beach County Water District
 - Up to \$997,500 to the City of South San Francisco
 - Up to \$848,000 to the City of Imperial Beach
 - Up to \$220,000 to Orange County Parks
- For details, including eligibility, types of technical services supported, and how to apply, visit link in agenda
- Informational webinar held April 15th ([recording here](#))

NOTE: Senate Bill 1 Sea Level Rise Adaptation Planning Grant Program (SB 1 Grant Program) Track 1 proposals are accepted on a rolling, quarterly, non-competitive basis.

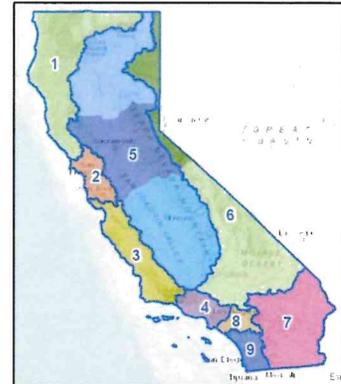
Next submission deadline is Friday, October 4, 2024!



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7. Adaptation Updates: Permits require climate assessments

- NPDES/WDR permits require climate change vulnerability assessments, action plans, resilience plans, disaster preparedness plans, and possibly GHG emissions accounting
- Check out what your Regional Water Board is requiring (see next slide and matrix)!
- State Water Board Website – tracking Water Board climate actions **including developing a NEW Climate Change Resolution – more to come on this in 2024!**



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Regional Water Boards requiring climate change assessments in permits and some require GHG emissions estimates!

Region	POTW Requirements for Climate Adaptation	Mitigation of GHG Emissions
1 North Coast	Disaster Preparedness Assessment and Action Plan	No requirement as of today
2 San Francisco	No requirements for POTWs as of today, Vulnerability Assessments/ERPs required for refineries' WW/SW systems	No requirement as of today
3 Central Coast	Climate Change Adaptation Program	Identifies maximizing reduction in carbon
4 Los Angeles	Climate Change Effects Vulnerability Assessment and Mitigation Plan	GHG emissions attributable to WWTPs, solids handling, and effluent discharge
5 Central Valley	No requirements for POTWs as of today, Region Work Plan	No requirement as of today
6 Lahontan	No requirements for POTWs as of today, Region Action Plan	No requirement as of today
7 Colorado	No requirements for POTWs or Region Plan as of today	No requirement as of today
8 Santa Ana	Climate Change Action Plan	GHG emissions resulting from facility operations and effluent discharge
9 San Diego	Climate Change Action Plan	GHG emissions resulting from facility operations and effluent discharge



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State Legislation

Prop 4 @ \$10B (SB 867)

- Safe Drinking Water, Drought, Flood and Water Resilience – \$3.8 billion
- Wildfires and Forest Resilience – \$1.5 billion
- Sea Level Rise and Coastal Resilience – \$1.2 billion
- Protect Biodiversity and Accelerating Nature-Based Climate Solutions – \$1.2 billion
- Clean Air – \$850 million
- Park Creation and Outdoor Access – \$700 million
- Extreme Heat Mitigation – \$450 million
- Climate Smart, Sustainable & Resilient Farms, Ranches and Working Lands – \$300 million



25

**Governor’s Enacted (Summer) Budget
(detail to be released)**



26

Informational Items



27

1. Biogas-to-Hydrogen

- Tracking bills, special focus on green hydrogen definition and hydrogen production
- US National Clean Hydrogen Strategy & Roadmap – Enable the Benefits of Clean Hydrogen:
 - Strategy 1: Target Strategic, High-Impact Uses of Clean Hydrogen
 - **Strategy 2: Reduce the Cost of Clean Hydrogen**
 - Hydrogen Production Through Water Splitting
 - Hydrogen Production from Fossil Fuels with Carbon Capture and Storage
 - **Hydrogen Production from Biomass and Waste Feedstocks (acknowledges WWTP biogas)**
 - Other System Costs
 - Strategy 3: Focus on Regional Networks
- LACSD offered to demonstrate biogas-to-hydrogen technologies – projects underway and third parties pursuing partnership
- Rajinder Sahota, CARB DEO to connect CASA with head of Hydrogen Hub
- Researching life cycle emissions estimates of hydrogen production and use
- CASA Winter Conference panel to focus on hydrogen



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2. Summary of Incentives directly or indirectly supporting biosolids to improve soil health and carbon sequestration across California landscapes



Incentive Programs	Objective	Relevance to Biosolids	Applicant
Inflation Reduction Act	Reduce inflation due to global energy crisis while reducing carbon emissions by 40% by 2030.	\$19.5B directed to USDA NRCS Climate-Smart Agriculture & Forestry to increase carbon sequestration (see next row).	See next row, since funds are allocated locally.
USDA NRCS Climate-Smart Agriculture & Forestry Program	Expand conservation practices to mitigate climate change and build resilient farms and forests.	Improve soil health and carbon sequestration through <u>mitigation strategies</u> (e.g., land application of soil amendments). Need to address NRCS Code 336 excluding biosolids. Biosolids investigation by W-41570 underway.	Producers, land managers (e.g., farmers and landowners)
CDFA OEFI Healthy Soils Program	Promote conservation management practices that improve soil health, sequester carbon and reduce GHG emissions.	Eligible on-farm management practices include cover cropping, no-till, reduced-till, mulching, compost and biosolids land application, and conservation plantings.	Growers, ranchers
CDFA OEFI State Water Efficiency & Enhancement Program (SWEET)	Implement irrigation systems that reduce GHGs and save water in agricultural operations.	Eligible components include soil moisture monitoring, drip systems, low pressure irrigation systems, pump retrofits, variable frequency drives and renewable energy to reduce on-farm water use energy. Possibly includes strategies that offset water use including land application of biosolids.	Agricultural operation (applying for SWEET precludes you from applying for other USDA funds listed above)
Climate Action Reserve (CAR) Soil Enrichment Protocol	Provide guidance on how to quantify, monitor, report, and verify ag practices to enhance C storage in soils.	Provides credit for achieving carbon sequestration through land application of soil amendments, including biosolids.	Field manager, project developer, project owner

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2. Summary of Incentives directly or indirectly supporting biosolids to improve soil health and carbon sequestration across California landscapes

Incentive Programs	Objective	Relevance to Biosolids	Applicant
CDFA OEFI Healthy Soils Program	Promote conservation management practices that improve soil health, sequester carbon and reduce GHG emissions.	Eligible on-farm management practices include cover cropping, no-till, reduced-till, mulching, compost and biosolids land application, and conservation plantings	Growers, ranchers

CDFA has an OPEN Request for Proposals on New Practices for Consideration under Healthy Soils Program
 Proposal requirements are [HERE](#) and proposals must be **submitted by 5 PM August 2, 2024**, to CDFA.HSP_tech@cdfa.ca.gov. CDFA hosted two virtual workshops to discuss requirements and answer questions – presentations provided [HERE](#).

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3. Biosolids Emissions Assessment Model (BEAM) Update

- 2024 BEAM update underway
- Independent project of NEBRA and NW Biosolids, building on the Canadian Council of Ministers of the Environment’s work with Sylvis
- Science Review Team provided recommendations for improvement, with focus on:
 - Carbon Sequestration
 - Fertilizer Offsets
 - Nitrous Oxide and Methane fugitive emissions
 - Composting
 - Thermal Processes
 - Biogas Combustion

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4. BACT: Emergency Diesel Engines

■ Air District activities

- Bay Area AQMD
 - >1000 bhp, Tier 4 effective January 1, 2020
 - Considering Tier 4 as T-BACT for engines >50 bhp – looking for source test data from Sacramento Metro AQMD
- Sacramento Metro AQMD
 - >1000 bhp, Tier 4 effective June 4, 2021
 - Tier 4 BACT for engines >50 hp approved February 2024
- San Joaquin Valley APCD
 - >1000 bhp, Tier 4 effective April 29, 2022
- South Coast AQMD
 - >1000 bhp, Tier 4 approved September 2, 2022
 - Clean Water SoCal working to get testing requirements for compliant engines to match that for certified engines to avoid unnecessary testing requirements onsite for compliant engines
 - SCAQMD advises operators not to use emergency generators to avoid grid consumption

NFPA 110-2022 Edition
www.nfpa.org/110

Standard for Emergency and Standby Power Systems

*Adding a new Section (5.6.5.5.1) to read as follows:
5.6.5.5.1 Where used for permanent Level 1 applications, EPA-mandated inducement engine shutdowns due to emissions system controls that are required on Tier 4 certified engines with SCR shall be prohibited.*

Substantiation:
Tier 4 certified engines have EPA mandated inducement shutdowns that occur when NOx goes out of limits. This is not catastrophic to the engine / generator itself. It just means NOx went out of limits.

For obvious reasons, generators that provide power for critical facilities like hospitals and WWTPs (or other emergency systems) absolutely cannot have that added risk to public safety!

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5. CARB Potential Amendments to Diesel Engine Off-Road Emission Standards

- “Tier 5 Rulemaking”
 - Reduce NO_x (up to 90%) and PM (up to 75%) compared to Tier 4 standards
 - First-time GHG (carbon dioxide, CO₂) standards
 - Stringent exhaust standards for all power categories, including those that do not utilize exhaust aftertreatment (i.e., DPFs and SCRs)
 - Propose more representative useful-life periods
 - Develop a low-load test cycle
 - Update test procedures and consider first-time off-road OBD requirements
- Proposal to Board expected in 2024
- Implementation to begin in 2029

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6. Water Research Foundation (WRF) Projects

- WRF 5251 – Advancing the Understanding of Nitrous Oxide Emissions Through Enhanced Whole-Plant Monitoring and Quantification (awarded)
- WRF 5211 – Understanding the Value Proposition for Thermal Processes to Mitigate PFAS in Biosolids (to be complete in 2026)



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7. Cross-Media Topic Selection: CASA's ERG to meet in person during Annual Conference!

- CASA's Engineering & Research Group (led by Associates) to propose three priority areas for research – topics include:
 - RO concentrate/Brine management
 - Nutrient management
 - Nutrient management/Organics diversion/Nitrous oxide emissions
 - Exfiltration
 - CEC (PFAS, Microplastics, etc.) Removal



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Upcoming Conferences/Events

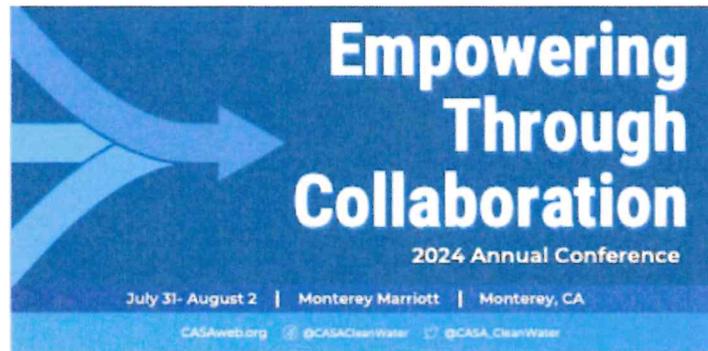
- **WEF Circular Water Economy Summit**
July 15-17, Dallas, TX
- **NACWA Utility Leadership Conference**
July 23-26, Buffalo, NY
- **CASA Annual Conference**
July 31-August 2, Monterey
- **WEFTEC**
October 6-9, New Orleans
- **CASA-CWEA Innovative Technology Seminars**
October 29, Hyperion and October 30, SEP Community Center
- **NACWA National Clean Water Law & Enforcement Seminar**
November 13-15, Tucson
- **California Bioresources Symposium**
November 19-20, UC Davis Conference Center



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Upcoming Meeting

- August 8th



Thank you!



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CASA

Air Quality, Climate Change & Energy (ACE) Workgroup

Notes – July 11, 2024

Craig K. Murray

Sarah Deslauriers (SD): CASA Staff Greg Kester and Chair Heidi Oriol is traveling today, not attending. 60 accepted, 50 attending. Vacation month but quite a crew.

Supreme Court ruling Chevron Decision 6-3 overturn.

Chevron Decision: Judges should defer to the executive branch (federal agencies) when laws passed by Congress are ambiguous.

Judges should defer to Federal if laws passed are ambiguous. Sup. Ct. threw this rule out. What Statutes are actually mean, weaken protections oceans, lands, air and weaken or remove critical protections for public health and the environment and lead to litigation. Adam Link: in our world, always challenges. Attorneys Committee Mtg. at Conf. further discussion. Meeting, reviewing with other lawyers on this decision. Decision not to be challenged just yet. David Rothbart (DR): in air world, see a lot more litigation. Sharon Green, LACSD, it drives need for more specificity in administering agencies on what congress wants but Congress anyway can't get down in details. May try more novel climate related things such as clean water and air acts.

CARB ACF 8,500 lbs or more vehicles. Does not have a regulation to end use of current compliant vehicles. Exemptions: SLGA Flexibility Provisions (Section 2013). SD: Highlight 2 Exemptions: Daily Usage Exemption and the ZEV Purchase Exemptions that need to be amended. Right now vehicles less than 13 years old not eligible for exemptions. ACWA, CMUA, SCPPA and North Truckee Power Authority (NTPA) struggling with dfn. And SD spoke with them. Need to insure that HIGH USE days can be met with any of the replacement vehicles. SD and DR will follow-up with CARB to get flexibility. SD: We have until 2025 but earlier better for your comments. DR: Board Members may not understand impacts to us. Typically CARB Staff not amenable to what we want so we continue to talk with Board Members and try to keep them honest.

Biogas. We are getting limited biogas utilization. CASA met with CARB Chair. ID what are all the uses, limitations for upcoming statewide collaboration. Deputy EO Rajinder Sahota to lead efforts and work. CARB one-stop truck event July 23 Whittier double tree. Opportunity to interact with regulators. SD : We are drafting language for 3rd Party haulers, will not be brought into regulation for Agency's subject to regulation.

SB 1383 Organic Waste Methane Emissions Reduction. We making sure biosolids can be used beneficially working with Counties outright ban such as Class A/EQ land application. CROPS: under cercla, apparent EPA to use, Synagro to form 501c6 lobbying firm for private sewer and that part of essential public service. Jim Dunbar and Eric Saperstein; Reps. Cutis, Kelly, Fetterman offices. National it is driven by Clean Air Act and with interagency (EPA/USDA/FDA) strategy not just priority recovery but diversion. DR: Seeing Methane regs. From landfill creeping over. SD: new technology on how to more accurately measure methane from landfill and not just drone fly overs. They think landfills a lot more being emitted and seeing a need for more diversion to AD Digesters.

LCFS. CARB like to see our fuel to CNG to go to hydrogen. CARB to hold more workshops and Board intend to vote Nov.8 for 2025 implementation.

CNRA Natural Working Lands (NWL) planning to release Climate Smart Strategy in fall. Modeling 8 landscapes for GHG reduction potential. Wanting biosolids to be included with already compost and biochar. SD: feel they are receptive to receiving biosolids.

State Water Board looking to create new actions with Permit Renewals in accordance with Climate Change. Make sure your consultants updating vulnerability assessments are aware of new SLR planning guidance updates with the Coastal Commission. SB1 SLR Adaptation Planning Grant April 15 information webinar link available in CASA slides. \$1.2M to Stinson Beach Water.

Mary Cousins, BACWA, BCDC about to release draft of separate regulatory for cities and counties, indirectly will reach POTWs. Be aware not from Water Board but from BCDC. Draft probably in August and finalized by end of the year. SD: BAYCAN and other entities in coordination with. MC: No, BCDC is driving it with a consultant team and not stakeholders. SD: there are 9 in State working on this and is BCDC in collaboration. Feedback v. helping to develop. MC: regulations coming out very heavy on process, prescriptive such as groups to be meeting with. Not an engineering but public engagement approach. Similar req. for those subject to Coastal Commission purviews.

Spencer, State Happenings. Bond now is Prop. 4 on the Ballot. Originally \$15B and now \$10B (SB 867). Figures from legislative in fighting than collaboration. \$3.8B: Drinking Water, Flood and Water Resilience; \$1.2B SLR/Coastal Resilience. CASA, CMUA taken "Watch" position due to lack of funding in there. Gov. Newsome was in DC and Gov. Mtg. w/President and not able to sign bond. Lt Gov did not want to sign so it went to Mark McGuire, Assembly Speaker so not insane support from the Gov Office on the Bond.

Budget: There is a shell of to hit June 15 constitutional req. A placeholder to keep gov't running. Bills: AB 2514 being amended. Pyrolysis defn. In limited circumstances could be useful but CASA will take a Watch. Summary of gutted bills. Ie hydrogen bill to ceqa streamlining. Creates specific carve out for use of biomass fuels. Was before CA is large hydrogen state, lot of discussions. Now through the policy committees. ACE Bill list lot just watching.

CASA tracking National Biogas-to-Hydrogen technologies including from Biomass and Waste Feedstocks besides WWTP biogas. CASA winter conference panel to focus on Hydrogen. Markets and development of markets. Table of incentives direct or indirect support biosolids to improve soil health and carbon sequestration. Jim Ipolito of Ohio University helped us and moved on to new university. BEAM: Biosolids Emissions Assessment Model being updated. Science team recommending improvements. DR: even less than 50hp, think across State going Tier 4 and recommend that if you are purchasing generators go for cleanest that you can. Tier 5 Rulemaking. Courtney Mizutani: Tier 5 update discussion limited now to just manufacturers. ERG group on Nutrient Mgt., CEC (PFAS, Microplastics) to meet in person at CASA conference.

###

CASA ACE Committee Bill Tracker 7/9/2024

AB 985 (Arambula D) San Joaquin Valley Unified Air Pollution Control District: emission reduction credit system.

Current Text: Amended: 7/6/2023 [html](#) [pdf](#)

Introduced: 2/15/2023

Last Amend: 7/6/2023

Status: 9/13/2023-Assembly refused to concur in Senate amendments. Motion to reconsider made by Assembly Member Arambula.

Location: 9/12/2023-A. RECONSIDERATION

Summary: Current law requires the board of every air district to establish by regulation a system by which all reductions in the emission of air contaminants that are to be used to offset certain future increases in the emission of air contaminants be banked prior to use to offset future increases in emissions, except as specified. Current law requires the State Air Resources Board to develop and adopt a methodology for use by air districts to calculate the value of credits issued for emission reductions from stationary, mobile, indirect, and areawide sources when those credits are used interchangeably, consistent with certain requirements. Current law also requires the state board to periodically update the methodology as it applies to future transactions, if necessary. Current law provides for the establishment of the San Joaquin Valley Unified Air Pollution Control District vested with the authority to regulate air emissions from stationary sources located in the San Joaquin Valley Air Basin. This bill would require the state board, except as provided, to conduct an analysis of each credit identified in the San Joaquin Valley Unified Air Pollution Control District's ledger of available emission reduction credits to determine if any credits were issued in violation of state, local, or district laws, rules, regulations, or procedures in place at the time of original issuance, and to complete the analysis no later than January 1, 2027. The bill would require, upon completion of the analysis, the state board to submit a report to the Legislature that includes a summary of the results of the analysis.

Position	Assigned	Group
Oppose, unless amended	Jessica	ACE, SLC

AB 1465 (Wicks D) Nonvehicular air pollution: civil penalties.

Current Text: Amended: 7/13/2023 [html](#) [pdf](#)

Introduced: 2/17/2023

Last Amend: 7/13/2023

Status: 7/2/2024-Read second time. Ordered to third reading.

Location: 7/2/2024-S. THIRD READING

Summary: Current law prohibits a person from discharging from nonvehicular sources air contaminants or other materials that cause injury, detriment, nuisance, or annoyance to the public, or that endanger the comfort, repose, health, or safety of the public, or that cause, or have a natural tendency to cause, injury or damage to business or property, as specified. Current law establishes maximum civil penalties for a person who violates air pollution laws from nonvehicular sources. Current law provides that civil penalties for specified violations are to be assessed and recovered in a civil action brought by the Attorney General, by any district attorney, or by the attorney for any district in which the violation occurs. This bill would triple specified civil penalties if the violation results from a discharge from a stationary source required by federal law to be included in an operating permit program established pursuant to specified provisions of the federal Clean Air Act, and the discharge contains or includes one or more air contaminants, as specified. The bill would define "source" for this purpose. The bill would require, in assessing penalties, that health impacts, community disruptions, and other circumstances related to the violation be considered, as specified.

Position	Assigned	Group
Oppose, unless amended	Jessica	ACE, SLC

AB 2109 (Carrillo, Juan D) Electricity: surcharge exemption: industrial process heat recovery.

Current Text: Amended: 4/22/2024 [html](#) [pdf](#)

Introduced: 2/5/2024

Last Amend: 4/22/2024

Status: 7/1/2024-In committee: Referred to suspense file.

Location: 7/1/2024-S. APPR. SUSPENSE FILE

Summary: This bill would specify that the enhancement or increased efficiency of equipment occurring in the normal course of business includes industrial process heat recovery technology that meets prescribed requirements. The bill would prohibit nonbypassable or departing load surcharges from applying to a reduction in kilowatt-hours of electricity that an electrical corporation customer consumes from the electrical grid in a metered interval due to industrial process heat recovery technology that

meets those prescribed requirements. The bill would also require the commission to minimize impacts to nonparticipating customers by prohibiting the costs directly attributable to the nonbypassable or departing load charges of customers using industrial process heat recovery technology from being paid by residential or small commercial customers, as defined.

Position
Watch

Assigned

Group
ACE, SLC

AB 2285 (Rendon D) Natural resources: equitable outdoor access: 30x30 goal: urban nature-based projects.

Current Text: Amended: 6/12/2024 [html](#) [pdf](#)

Introduced: 2/8/2024

Last Amend: 6/12/2024

Status: 6/24/2024-In committee: Referred to suspense file.

Location: 6/24/2024-S. APPR. SUSPENSE FILE

Summary: By Executive Order No. N-82-20, Governor Gavin Newsom directed the Natural Resources Agency to combat the biodiversity and climate crises by, among other things, establishing the California Biodiversity Collaborative and conserving at least 30% of the state’s lands and coastal waters by 2030. Current law requires the Secretary of the Natural Resources Agency to prepare and submit, on or before March 31, 2024, and annually thereafter, a report to the Legislature on the progress made in the prior calendar year toward achieving the goal to conserve 30% of California’s lands and coastal waters by 2030. Current law provides that it is the goal of the state to conserve at least 30% of California’s lands and coastal waters by 2030, known as the 30x30 goal. This bill would provide that, to advance and promote environmental, conservation, and public access policies and budget actions, the Governor’s office, state agencies, and the Legislature, when distributing resources, shall aspire to recognize the coequal goals and benefits of the 30x30 goal and Outdoors for All, and, to the extent practical, maximize investment in historically underserved urban communities consistent with those initiatives. The bill would encourage decisionmakers, when distributing resources to achieve the goals and benefits of the 30x30 goal and Outdoors for All, to consider factors that are unique to urban settings, including, among other things, higher land value acquisition and development costs per acre, the acute health needs of a local population due to historic lack of greenspace access and development externalities, local park needs assessment plans, current or impending loss of parks or greenspace as a result of state or federal infrastructure projects, and the availability of mobility options near a proposed land conservation site.

Position
Watch

Assigned

Group
ACE, SLC

AB 2331 (Gabriel D) Voluntary carbon market disclosures.

Current Text: Amended: 6/20/2024 [html](#) [pdf](#)

Introduced: 2/12/2024

Last Amend: 6/20/2024

Status: 7/3/2024-From committee: Do pass and re-refer to Com. on APPR. (Ayes 11. Noes 0.) (July 2). Re-referred to Com. on APPR.

Location: 7/3/2024-S. APPR.

Calendar: 8/5/2024 10 a.m. - 1021 O Street, Room 2200 SENATE APPROPRIATIONS, CABALLERO, ANNA, Chair

Summary: Current law imposes various limitations on emissions of air contaminants for the control of air pollution from vehicular and nonvehicular sources. Current law requires a business entity that is marketing or selling voluntary carbon offsets, as defined, within the state to disclose on the business entity’s internet website specified information about the applicable carbon offset project. Current law also requires an entity that makes claims regarding the achievement of net zero emissions, claims regarding carbon neutrality, or other claims implying the entity, related or affiliated entity, or a product does not add net carbon dioxide or greenhouse gases to the climate or has made significant reductions to its carbon dioxide or greenhouse gas emissions, as described, to disclose on the entity’s internet website specified information pertaining to all greenhouse gas emissions associated with its claims. Current law requires these disclosures to be updated no less than annually. Current law makes a person who violates these provisions subject to a civil penalty of not more than \$2,500 per day, as specified, for each violation, not to exceed a total amount of \$500,000, as provided. This bill would exclude from the definition of “voluntary carbon offset” a renewable energy certificate (REC) issued through an accounting system of a governmental regulatory body or virtual power purchase agreement of which the REC corresponds to one unit of electricity that was generated and delivered by an eligible renewable energy resource, or a low-carbon fuel standard credit. The bill would expand, revise, and clarify the information that a business entity is required to disclose.

Position
Watch

Assigned
Spencer

Group
ACE

AB 2346 (Lee D) Organic waste reduction regulations: procurement of recovered organic waste products.

Current Text: Amended: 7/3/2024 [html](#) [pdf](#)

Introduced: 2/12/2024

Last Amend: 7/3/2024

Status: 7/3/2024-From committee: Amend, and do pass as amended and re-refer to Com. on APPR. (Ayes 7. Noes 0.) (July 3). Read second time and amended. Re-referred to Com. on APPR.

Location: 7/3/2024-S. APPR.

Summary: Current law requires the State Air Resources Board to complete, approve, and implement a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state to reduce the statewide methane emissions by 40% below 2013 levels by 2030. Current law requires the Department of Resources Recycling and Recovery, in consultation with the state board, to adopt regulations that achieve specified targets for reducing organic waste in landfills, as provided. The department's organic waste regulations require local jurisdictions to annually procure a quantity of recovered organic waste products and to comply with their procurement targets by directly procuring recovered organic waste products for use or giveaway or by requiring, through a written agreement, that a direct service provider to the jurisdiction procure recovered organic waste products, or both. Those regulations specify the types of recovered organic waste products that a jurisdiction may procure, including compost that is produced at a compostable material handling operation or facility, or a specified digestion facility that composts onsite. Other regulations of the department require all compostable materials handling activities to obtain a facility permit from the department prior to commencing operations and meet other specified requirements, but exclude from those requirements certain activities that the regulations state do not constitute a compostable material handling operation or facility, including the composting of green material, agricultural material, food material, and vegetative food material, and the handling of compostable materials under certain conditions, as provided. This bill would authorize local jurisdictions to be credited for the procurement of recovered organic waste products through an agreement with a direct service provider, as defined, and would allow the direct service provider agreement to include the procurement of recovered organic waste products on a prospective basis as long as the purchase of those products occurs during the year for which the local jurisdiction seeks credit, and under other specified circumstances.

Position
Watch

Assigned

Group
ACE, SLC

AB 2514 (Aquiar-Curry D) Solid waste: organic waste: diversion: hydrogen: biomethane.

Current Text: Amended: 7/3/2024 [html](#) [pdf](#)

Introduced: 2/13/2024

Last Amend: 7/3/2024

Status: 7/3/2024-From committee: Amend, and do pass as amended and re-refer to Com. on APPR. (Ayes 7. Noes 0.) (July 3). Read second time and amended. Re-referred to Com. on APPR.

Location: 7/3/2024-S. APPR.

Summary: The California Integrated Waste Management Act of 1989 requires each city, county, and regional agency to develop a source reduction and recycling element of an integrated waste management plan. The act requires that element to include a 50% solid waste diversion requirement, as specified, and provides that up to 10% may be achieved through biomass conversion under certain conditions, with biomass conversion defined as the production of heat, fuels, or electricity by certain means from specified materials. One of the conditions for using biomass conversion to satisfy a portion of the solid waste diversion requirement is that pyrolysis not be included in the source reduction and recycling element. Pyrolysis is not defined for that purpose or for other purposes in the act. This bill would define pyrolysis as the thermal decomposition of organic material at elevated temperatures in the absence or near absence of oxygen.

Position
Refer to SLC

Assigned

Group
ACE, SLC

AB 2902 (Wood D) Organic waste: reduction regulations: exemptions.

Current Text: Amended: 6/20/2024 [html](#) [pdf](#)

Introduced: 2/15/2024

Last Amend: 6/20/2024

Status: 6/20/2024-Read second time and amended. Re-referred to Com. on APPR.

Location: 6/19/2024-S. APPR.

Calendar: 8/5/2024 10 a.m. - 1021 O Street, Room 2200 SENATE APPROPRIATIONS, CABALLERO, ANNA, Chair

Summary: The State Air Resources Board is required to complete, approve, and implement a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state to reduce statewide methane emissions by 40% below 2013 levels by 2030. Current law requires methane emissions reduction goals to include specified targets to reduce the landfill disposal of organics. Current law requires the Department of Resources Recycling and Recovery, in consultation with the state board, to adopt regulations that achieve those targets for reducing organic waste in landfills, as provided. The department's organic waste regulations provide different organic waste procurement targets for local jurisdictions based on population and provide waivers and exemptions from collection and procurement requirements for rural, low-population, and high-elevation jurisdictions. Existing law

provides that the exemption for rural jurisdictions is valid until December 31, 2026, as specified. The department's organic waste regulations establish collection bin lid color requirements for waste collection services to identify the types of waste to be placed into a collection bin. This bill would extend the rural jurisdiction exemption until January 1, 2037, except as provided, and would require the department to adopt regulations to establish a process to renew the exemption after that date for periods of up to 10 years. The bill would require, commencing January 1, 2027, those jurisdictions to take specific actions to help reduce, divert, or recycle organic waste.

Position	Assigned	Group
Watch		ACE, SLC

AB 3023 (Papan D) Wildfire and Forest Resilience Task Force: interagency funding strategy: state watershed restoration plans: forest resilience plans: grant program guidelines.

Current Text: Amended: 6/20/2024 [html](#) [pdf](#)

Introduced: 2/16/2024

Last Amend: 6/20/2024

Status: 6/20/2024-Read second time and amended. Re-referred to Com. on APPR.

Location: 6/17/2024-S. APPR.

Calendar: 8/5/2024 10 a.m. - 1021 O Street, Room 2200 SENATE APPROPRIATIONS, CABALLERO, ANNA, Chair

Summary: Current law establishes the Wildfire and Forest Resilience Task Force and requires the task force to develop a comprehensive implementation strategy to track and ensure the achievement of the goals and key actions identified in the state's "Wildfire and Forest Resilience Action Plan" issued by the task force in January 2021. Current law declares that the Department of Forestry and Fire Protection has extensive technical expertise in wildland fire prevention and vegetation management on forest, range, and watershed land, and, when appropriately applied, this expertise can have significant public resource benefits, including decreasing high-intensity wildland fires, improving watershed management, and improving carbon resilience, among other benefits. This bill would require the task force to develop, in partnership with the Natural Resources Agency, an interagency funding strategy to help coordinate and align implementation of state watershed restoration plans and initiatives, as specified, with forest resilience planning efforts to achieve outcomes more aligned with an ecosystem-based approach, as defined.

Position	Assigned	Group
Watch		ACE, SLC

SB 972 (Min D) Methane emissions: organic waste: landfills.

Current Text: Amended: 6/19/2024 [html](#) [pdf](#)

Introduced: 1/25/2024

Last Amend: 6/19/2024

Status: 7/2/2024-July 2 set for first hearing. Placed on suspense file.

Location: 7/2/2024-A. APPR. SUSPENSE FILE

Summary: Current law requires the Department of Resources Recycling and Recovery, in consultation with the State Air Resources Board, to adopt regulations, as provided, that achieve the targets for reducing organic waste in landfills. This bill would require the department to provide procedures for local jurisdictions to request technical assistance regarding organic waste and methane reduction requirements from the department, to post those procedures on its internet website, and to provide that technical assistance, as specified. The bill would require the department to report to the Legislature, on or before January 1, 2028, on, among other things relating to organic waste and methane reduction, the status of the technical assistance provided to local jurisdictions and, on or before January 1, 2031, on the state's ability to meet the targets for reducing the disposal of organic waste in landfills and any recommendations to modify the program to achieve those goals.

Position	Assigned	Group
Support		ACE, SLC

SB 1045 (Blakespear D) Composting facilities: zoning.

Current Text: Amended: 4/29/2024 [html](#) [pdf](#)

Introduced: 2/7/2024

Last Amend: 4/29/2024

Status: 6/26/2024-From committee: Do pass and re-refer to Com. on APPR. (Ayes 6. Noes 0.) (June 26). Re-referred to Com. on APPR.

Location: 6/26/2024-A. APPR.

Summary: The California Integrated Waste Management Act of 1989 establishes the Department of Resources Recycling and Recovery to administer an integrated waste management program. Current law establishes a goal that statewide landfill disposal of organic waste be reduced from the 2014 level by 75% by 2025. This bill, on or before June 1, 2026, would require the Office of Planning and Research, in consultation with the Department of Resources Recycling and Recovery, to develop and post on the office's internet website, a technical advisory, as provided, reflecting best practices to

facilitate the siting of composting facilities to meet the organic waste reduction goals. The bill would require the office to consult with specified entities throughout the development of the technical advisory.

Position Watch
Assigned
Group ACE, SLC

SB 1046 (Laird D) Organic waste reduction: program environmental impact report: small and medium compostable material handling facilities or operations.

Current Text: Amended: 6/12/2024 [html](#) [pdf](#)

Introduced: 2/7/2024

Last Amend: 6/12/2024

Status: 7/2/2024-July 2 set for first hearing. Placed on suspense file.

Location: 7/2/2024-A. APPR. SUSPENSE FILE

Summary: Current law requires the Department of Resources Recycling and Recovery, in consultation with the State Air Resources Board, to adopt regulations to achieve certain reduction targets in the organic waste disposed in landfills and to analyze the progress that the waste sector, state government, and local governments have made in achieving those reduction targets, as provided. Current law authorizes the department to provide incentives to facilitate progress towards the reduction targets if the department determines that sufficient progress has not been made. The California Environmental Quality Act (CEQA), requires a lead agency, as defined, to prepare, or cause to be prepared, and certify the completion of an environmental impact report on a project that it proposes to carry out or approve that may have a significant effect on the environment or to adopt a negative declaration if it finds that the project will not have that effect, as provided. This bill would require the Department of Resources Recycling and Recovery to prepare and certify, by January 1, 2027, a program environmental impact report that streamlines the process with which jurisdictions can develop and site small and medium compostable material handling facilities or operations, as defined, for processing organic material, as specified.

Position Watch
Assigned
Group ACE, SLC

SB 1135 (Limón D) Greenhouse Gas Reduction Fund: income taxes: credit.

Current Text: Amended: 4/25/2024 [html](#) [pdf](#)

Introduced: 2/13/2024

Last Amend: 4/25/2024

Status: 5/16/2024-May 16 hearing: Held in committee and under submission.

Location: 5/13/2024-S. APPR. SUSPENSE FILE

Summary: The California Global Warming Solutions Act of 2006 authorizes the State Air Resources Board to include in its regulation of those emissions the use of market-based compliance mechanisms. Current law requires all moneys, except for fines and penalties, collected by the state board from the auction or sale of allowances as part of a market-based compliance mechanism to be deposited in the Greenhouse Gas Reduction Fund. Current law continuously appropriates the annual proceeds of the fund to the various purposes. This bill, in the 2025–26 fiscal year through the 2035–36 fiscal year, would transfer 1% of the annual proceeds of the Greenhouse Gas Reduction Fund, not to exceed \$120,000,000 per fiscal year, to the California Compost Tax Credit Fund, which the bill would establish.

Position Watch
Assigned
Group ACE, SLC

SB 1374 (Becker D) Net energy metering.

Current Text: Amended: 7/3/2024 [html](#) [pdf](#)

Introduced: 2/16/2024

Last Amend: 7/3/2024

Status: 7/3/2024-Read second time and amended. Re-referred to Com. on APPR.

Location: 7/1/2024-A. APPR.

Summary: Current law vests the Public Utilities Commission with regulatory authority over public utilities, including electrical corporations. Current law requires the commission to develop a standard contract or tariff, which may include net energy metering, for eligible customer-generators, as defined, with a renewable electrical generation facility, as defined, that is a customer of a large electrical corporation. Current law requires, in developing the standard contract or tariff for large electrical corporations, the commission to take specified actions. This bill would require, no later than July 1, 2025, the commission to ensure that any contract or tariff established by the commission pursuant to the above described provisions for renewable electrical generation facilities configured to serve multiple customers with meters at an apartment building on a single property, or configured to serve multiple meters of a single customer on a public school property, or a set of contiguous public school properties owned, leased, or rented by the public school customer, meets certain requirements, as specified.

Position Watch
Assigned
Group ACE, SLC

SB 1402 (Min D) 30x30 goal: state agencies: adoption, revision, or establishment of plans, policies, and regulations.

Current Text: Amended: 7/1/2024 [html](#) [pdf](#)

Introduced: 2/16/2024

Last Amend: 7/1/2024

Status: 7/1/2024-Read second time and amended. Re-referred to Com. on APPR.

Location: 6/25/2024-A. APPR.

Summary: Current law requires the Secretary of the Natural Resources Agency to prepare and submit, on or before March 31, 2024, and annually thereafter, a report to the Legislature on the progress made in the prior calendar year toward achieving the goal to conserve 30% of California’s lands and coastal waters by 2030. Current law provides that it is the goal of the state to conserve at least 30% of California’s lands and coastal waters by 2030, known as the 30x30 goal. This bill would require all state agencies, departments, boards, offices, commissions, and conservancies to consider the 30x30 goal when adopting, revising, or establishing plans, policies, or regulations that directly affect the use of coastal waters or land, management of natural resources, or biodiversity conservation.

Position	Assigned	Group
Refer to ACE Committee	Jessica	ACE, SLC

SB 1420 (Caballero D) Hydrogen production facilities: certification and environmental review.

Current Text: Amended: 7/8/2024 [html](#) [pdf](#)

Introduced: 2/16/2024

Last Amend: 7/8/2024

Status: 7/1/2024-VOTE: Do pass as amended and be re-referred to the Committee on [Appropriations] (PASS) (Amended text released 7/9/2024)

Location: 7/1/2024-A. APPR.

Summary: (1) The California Environmental Quality Act (CEQA) requires preparation of specified documentation before a public agency approves or carries out certain projects. Existing law authorizes the Governor to certify energy infrastructure projects meeting specified requirements for streamlining benefits related to CEQA. Existing law defines "energy infrastructure project" for these purposes to include eligible renewable energy resources under the California Renewables Portfolio Standard Program, excluding resources that use biomass fuels. Existing law expressly excludes from that definition of "energy infrastructure project" any project using hydrogen as a fuel. This bill would instead exclude from the definition of "energy infrastructure project" for purposes of the CEQA streamlining benefits eligible renewable energy resources under the California Renewables Portfolio Standard Program that combust, rather than use, biomass fuels. The bill would include hydrogen production facilities and associated onsite storage and processing facilities that meet specified conditions, including that the facilities have received funding from the state or federal government on or before January 1, 2032, and do not use fossil fuel as a feedstock or energy source, within the definition of "energy infrastructure project." Because the bill would authorize the Governor to certify additional projects, thereby increasing the duties on lead agencies in conducting the environmental review of energy infrastructure projects certified by the Governor, this bill would impose a state-mandated local program.

Position	Assigned	Group
Support		ACE, SLC

Total Measures: 16

Total Tracking Forms: 16

BCDC
 Notes - Regional Shoreline Adaptation Plan (RSAP)
 July 18, 2024
 Craig K. Murray (SR/WA)
 52 Participants

Jacklyn Perrin- Martinez (JPM), Senior Climate Adaptation Planner, Author, and communications specialist working on sea level rise adaption planning: Update on RSAP; Regional Shoreline Adaptation Plan. Rising Sea Level Rise Plan.

WHY DO WE NEED THE RSAP?

- Coordinated adaptation
- Priority resources to **frontline communities**
- Long-term **health of wetlands**
- **Strategic** implementation
- Common **standards and methods**
- Advance priority **projects and funding**
- Track and **measure progress**

The RSAP is BCDC's way of meeting SB 272 requirements and positioning the region to advance adaptation planning and projects

Regional Shoreline Adaptation Plan
 BAY ADAPT

SB 272, 2023 Requires guidelines to be completed by end of the year. RSAP guidelines to commission by Dec. 2024.

Where are we in developing the RSAP?

ONE BAY VISION with Strategic Regional Priorities → PLAN GUIDELINES and Minimum Standards → SUBREGIONAL SHORELINE ADAPTATION PLANS

Regional approach | Guidelines per SB 272

GUIDELINES BY DEC 2024 | SUBREGIONAL SHORELINE ADAPTATION PLANS BY JAN 2024

- Planning Process
- Existing Conditions
- Vulnerability Assessment
- Adaptation Pathways
- Land Use and Policy Plan
- Implementation and Funding Plan
- Project List

How regions can use and follow Guidelines for compliance. One Bay Vision completed this Spring. Five local workshops. Initial 60 pages. Comments: desire to reduce number of req.; more spatial component; more harder shoreline solutions on more developed locations; looking to advance equity in the outcomes. “One Bay Vision” shared with Commission in Feb. serves as foundation for RSAP and measure of success. Eight topical areas and Strategic Regional Priorities

Community Health and Wellbeing
Reduced Involuntary Displacement Risk.

Ecosystem Health and Resilience
Complete and Connected Ecosystems.

Development, Housing, and Land Use
Safe and Strategic Shoreline Growth and Density.

Critical Infrastructure and Services
Reliable Critical and Emergency Services.

Public Access and Recreation
Connected Regional Shoreline Access.

Transportation and Transit
Continued Movement of People and Goods.

Shoreline Contamination
Remediated Contamination for Environmental Justice.

Governance, Collaboration, and Finance
Understand Cross-Bay and Shoreline Hydrological Connectivity.

Strategic Regional Priorities

- Key adaptation strategies identified to reach long-term **regional adaptation goals**.
- Jurisdictions containing one or more Strategic Regional Priority **must incorporate the identified asset into their Subregional Adaptation Plans** (via the guidelines and standards).

Regional Shoreline Adaptation Plan
RSAP DRAFT

Regional Shoreline Adaptation Plan: “Regional Approach”. DRAFT. These are draft concepts and welcome



Critical Infrastructure and Services

2.5 Critical Infrastructure and Services

Critical infrastructure and services refers to the assets and functions and services that are necessary for the health and safety, including water and power utility, communication, hospital, emergency response services, police and fire, and other essential services and functions. Most of these assets are owned or operated by public agencies and are essential for the health, safety, and security of the community. Critical infrastructure and services are those assets and functions that are necessary for the health, safety, and security of the community.

ALL SEA LEVELS RISKS...

Critical services are reliable

To achieve this:

- a. Assess existing local and regional critical services and identify the systems to maintain or improve service continuity to evaluate and determine the impact of sea level rise on critical services and the impact of sea level rise on critical services.
- b. Integrate flooding hazards into emergency management and disaster planning and operations.
- c. Develop a plan to address service deficiencies in underserved communities.



Map 2.5.1 Critical Infrastructure and Services. Photo credit: J. Smith.

CRITICAL INFRASTRUCTURE ASSETS TO BE INCLUDED IN LOCAL PLANNING

REQUIRED TO ASSESS (R)

- Beach and natural gas facilities
- Disaster management facilities including air stations
- Water supply
- Dams/dikes
- Flood management infrastructure
- Stormwater systems
- Emergency management centers and public safety
- Transportation assets, highways, commercial lines, freight rail lines, airports, roads, ferry, maritime infrastructure, train routes and single points of entry

RECOMMENDED TO ASSESS (R)

- Police stations
- Fire stations
- Emergency management centers
- Evaluation shelters
- Resilience hubs

*Assets listed in more than one category due to overlap.

Minimum Assets to be Assessed
 Assets listed in (R) are recommended standards and should be included in Minimum Categories and Assets Standards.

Critical Infrastructure and Services Strategic Regional Priority

What is the goal of this priority?

The goal of this priority is to ensure that critical infrastructure and services are resilient and able to continue to provide essential services during times of crisis. This includes ensuring that critical infrastructure and services are able to withstand and recover from natural disasters, such as hurricanes, floods, and other events that may impact the region.

The strategic and priority plan will be developed by the following entities:
 • State Government
 • Local Government
 • Regional Agency
 • Planning and Development
 • Emergency Management

STRATEGIC REGIONAL PRIORITIES



REGIONAL PRIORITY

Reliable Critical and Emergency Services
 This priority is to ensure that critical infrastructure and services are able to provide essential services during times of crisis. This includes ensuring that critical infrastructure and services are able to withstand and recover from natural disasters, such as hurricanes, floods, and other events that may impact the region.

What is the goal of this priority?
 The goal of this priority is to ensure that critical infrastructure and services are resilient and able to continue to provide essential services during times of crisis. This includes ensuring that critical infrastructure and services are able to withstand and recover from natural disasters, such as hurricanes, floods, and other events that may impact the region.

Minimum Assets to be Assessed
 Assets listed in (R) are recommended standards and should be included in Minimum Categories and Assets Standards.

"Regional Approach"



g response. Critical Infrastructure and Services: WWTP. Transportation and Transit; Shoreline Contamination: (Goal to eliminate sites w/DTSC of environmental sites in EJ communities); Governance, Collaboration, and Finance.

Must create *Subregional Shoreline Adaptation Plans* Standards. Plan Guideilnes and Min. Standards. Evaluate A thru G Elements: Planning; Existing Conditions; Vulnerability Assessment; Adaptation Pathways (shoreline alts. To achieve a One Bay Vision, SLR standards); Land Use and Policy (EJ) (approach to land use to the preferred elements); Implementation and Funding Plan; Project List.

Plan Submittal Checklist

5. Complete Plan Submittal Checklist

Subregional Shoreline Adaptation Plan must be submitted to BCDC for a review for consistency with the Plan Guidelines by January 1, 2024. Jurisdictions must submit the following checklist as part of their plan submittal.

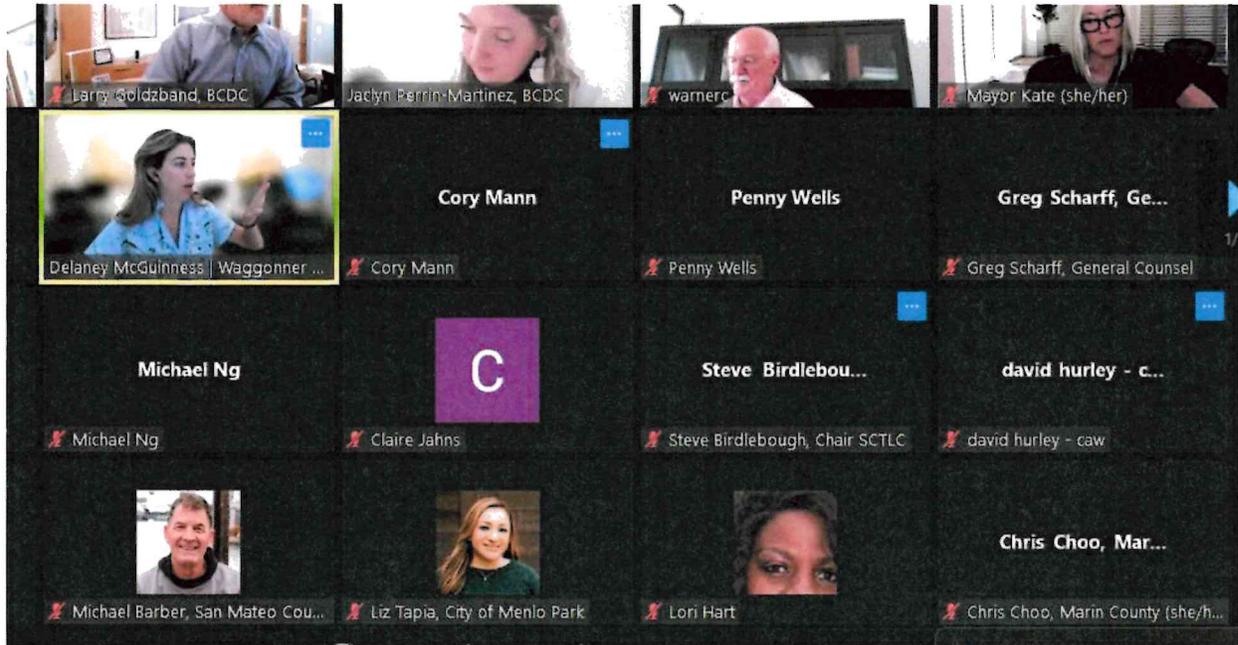
Guideline	Sub-Guideline	Submittal	R	Included	N/A	
Element A: Planning Process						
A1	A1a	Plan Type	Description of plan type and included jurisdiction(s).	R		
	A1b	Planning Project Team	Unified description of planning team.	R		
	A1c	Affected Parties	List of impacted parties.	R		
	A1d	Staffing and Resources	Description of current resources available for adaptation planning and implementation.	R		
A2	Planning Area	Map with boundaries of planning area.	R			
A3	A3a	Multijurisdictional Coordination	Description of multi-jurisdictional and county coordination.	R		
	A3b	State Agency Coordination	Description of regional and state coordination.	R		
A4	A4a	Sustainable Community Development	Definition and location of Environmental Justice and social vulnerability communities.	R		
	A4b	Outreach and Engagement	Summary of outreach, education and engagement efforts and responses in the Equity Assessment.	R		
	A4c	Community Partnership Agreements	Community partnership agreements.	R		
Element B: Existing Conditions						
B1	B1a	General and Specific Plans	Summary of how coastal flooding hazards are referenced and addressed in general and/or land use plans.	R		
	B1b	Hazard and Emergency Plans	Summary of how coastal flooding hazards are referenced and addressed in hazard and emergency plans.	R		
	B1c	Codes and Regulations	Summary of how coastal flooding hazards are referenced and addressed in codes and regulations.	R		
	B1d	Climate and Resilience Plans	Summary of how coastal flooding hazards are referenced and addressed in climate and resilience plans.	R		
	B1e	Sectional Issue Plans	Summary of how coastal flooding hazards are referenced and addressed in sectional issue plans.	R		
	B1f	Staying Safer	Summary of how coastal flooding hazards are referenced and addressed in staying safer plans and policies.	R		



Met with OPC (Ocean Protection Council) SLR Collaborative (7/15); RSAP Draft public comment period (Sept-Oct). Public and Commission review (Dec.2024). SLR planning grants available now from OPC. Jaclyn.Perrin-Martinez@bccdc.ca.gov

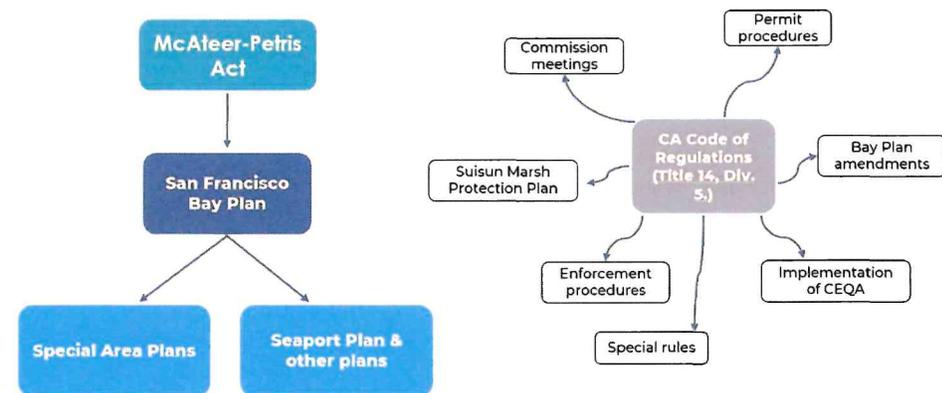
(415) 352-3631. Commissioner q/a:

JPM: Handful of City & County planners on group. Workshop next week for City, Co. Planners. We will make sure it will go go all the local, elected task force members. Equitable Engagement v. Prescriptive so have local tell us how applied in their local communities. If areas of shared flood risks : tell us how you are coordinating with your neighbors. Parts of shoreline connected at different hydrological levels. Delany McGuinness|Waggoner introduction: City of San Rafael hired expert working on this with the Mayor of San Rafael Kate (She/Her).



Cory Mann: McAteer Petris Act to prevent filling in of the Bay, managing wetlands and policies have to be conformance with Bay Plan. Ie Seaport Plan for SB 272: Does not speak to process so use existing laws.

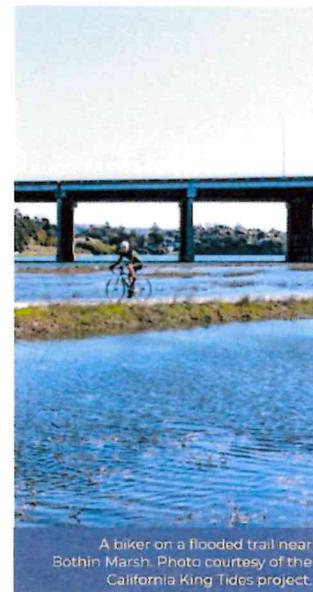
BCDC's laws, regulations and plans



Where does regional plan fit into framework? Allows to adapt more specific plans into the Bay Plan.

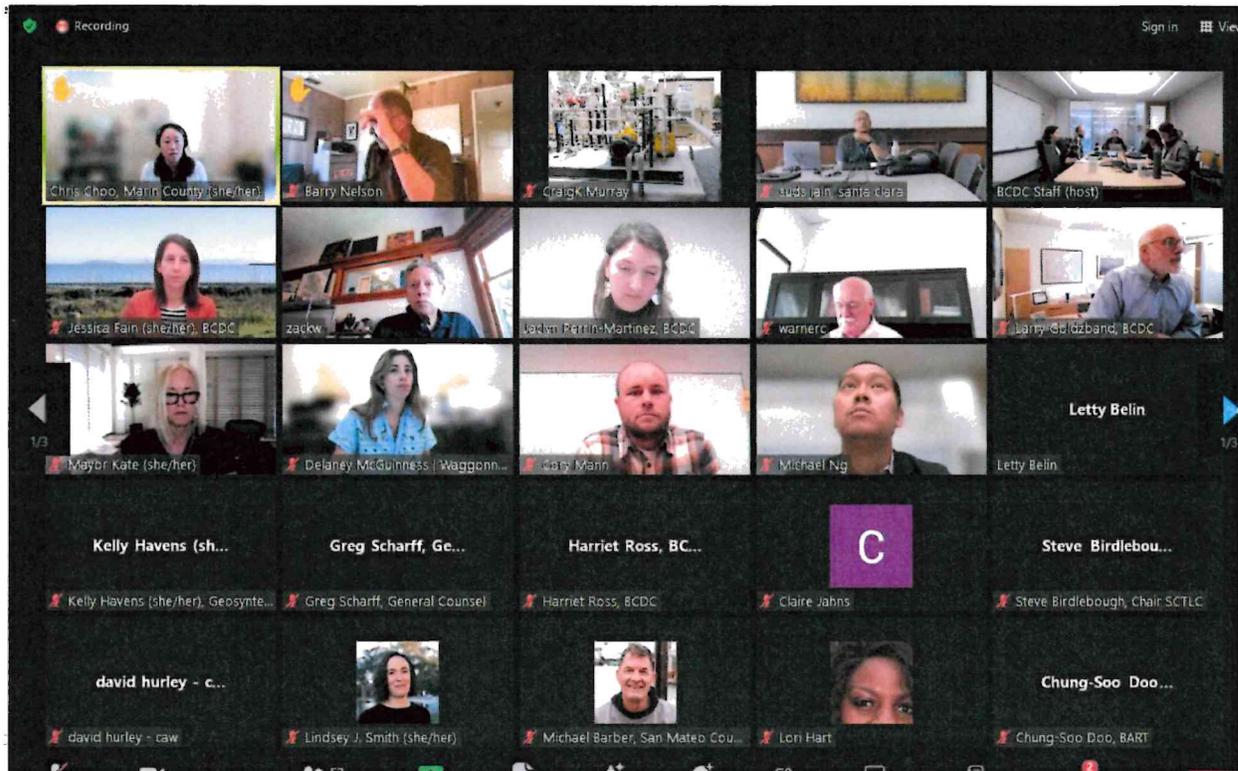
Adopting the RSAP: Bay Plan Amendment

- BCDC staff recommends adopting the RSAP through the Bay Plan Amendment Process – just as BCDC would adopt a Special Area Plan or Seaport Plan.
- BCDC staff recommends amending the Bay Plan Climate Change Findings and Policies.
- Targeted update to incorporate the RSAP as part of the Bay Plan.
- Will NOT alter permitting process for projects.



Beyond 2024: Not the most nimble process for updates, therefore seek legislative carve outs that not subject to Admin. Act or Law. BCDC to seek authority and jurisdiction on how to link slr planning to regulatory program (Strategic Plan Goal 2 Objective 1). Staff issue Descriptive Notice on August 15; Preliminary Staff Rec. Sept. 13; Public Hearing Oct. 17; Dec. 5 (tentative) Final Recommendation and Commission Vote. ? Chris Choo, Marin County (She/Her): Consistency with local plans and how to enforce consistency with local RSAPs. A: Jessica Fain (She/Her) BCDC: Want to make sure align with other regional priorities. SB 272 as law did not amend BCDC as a permitting authority, ie plan project submitted don't have ability to say NO b/c not consistent with plan and look at exploring and what legislature want to do to fill that gap. Plans have value to understand context in permitting. Larry Goldzband: 8 Regional Priorities and each group. Transportation group jumps out to me like BARTs and transportation agencies. I don't want a Solution in search of a Problem. What jurisdictions and private developers will face with fill and more wholistic solutions. Commissioner Barry Nelson: Will there be a need for some jurisdictional change? Yes. Michael Ng: Talk of doing this through Resolution or formal rule making subject to oal review. Nelson: Carve Out with OAL. Al Arambaru composed a not so kind song about OAL review. Need to make a solid case to not have to go to OAL. Zack: Coastal Commission has similar carve outs and situation is constantly changing for rising sea level so plans have to similar change. Public Comment: no hands raised. Michael Barber Supv. Dave Pine San Mateo Co.: Plg Dept engaged and what happens if City, Co. don't have staff. Michael Ng BCDC Staff Atty: What SB 272 does now and only consequence is prioritize for funding to implement these requirements in respect to RSAP. Should think about accountability procedures. Barber: Sooner we can get our hands on the plan, we can start to review in planning process. Suds Jain, Santa Clara: Housing Element Process created lot and took 3 tries to get approved with HCD. Builders Remedy big stick against Cities. Zack: BCDC will have right to reject a plan, right to review by the Commission. Much more interaction over the plans. BCDC not as broad as city general plan but will have to have some breadth with City Housing Element but certainly no RHNA goals. Goldzband: Gov. signed bill and ability to hire persons/staff to work with local jurisdictions and figure out how to embed in

Cities and Counties in the Bay. North, East and West Bay see 3 teams to work with those local governments and teach us, in collaboration, how to do things better and we thank the Governor for doing that. It will be a lovely thing.



Zack: Thanks and we will get guidelines out to everyone as quickly as possible.

###



Air Quality, Climate Change, & Energy (ACE) Workgroup

August 8, 2024

10:00 am – 12:00 pm

Zoom Meeting and Call-In Details: See Meeting Invite

ITEM	LEAD
Welcome/Roll Call	Heidi Oriol (Chair), Sarah Deslauriers and Greg Kester (CASA)
Review/Approval of Agenda	All

PRIORITY ISSUES/ACTION ITEMS

	ITEM	LEAD	NOTES
1.	CARB Advanced Clean Vehicle Regulations (CASA Updated Summary) EPA's GHG Standards for Heavy-Duty Vehicles	Sarah	Final ACF Package reopened to incorporate AB 1594 requirements, submitted recommendations, responded to CARB's questions and provided clarifications; Truck Regulations Implementation Group Subgroups continue to meet – Rule Provisions subgroup Sept 4 ; met w/ CARB Chair and Deputy EO on Climate Change & Research to discuss next steps w/ state agencies on beneficial uses of biogas, CASA to meet with Governor's office Aug 29. EPA issued final rule correction for GHG standards for heavy-duty vehicles. EPA to hold virtual public hearing Aug 14 regarding CARB's waiver request , register by Aug 7, public comments due Sept 16.
2.	SB 1383: CH₄ Reductions	Greg Layne, Jim Sarah	Continued tracking/participating in County actions related to land application of biosolids and Article 2 determinations . Federal (EPA-USDA-FDA) strategy to divert organics from landfills across US.
3.	CARB Low Carbon Fuel Standard	Greg Sarah	45-day proposed regulatory updates released Jan 5 , submitted comments Feb 20 and May 9, 15-day notice is expected by September, public hearing scheduled for Nov 8 with changes effective 2025, CARB requested we continue to comment on our sector's position.
4.	8-hour Ozone Attainment: SCAQMD SIP & Rule 317.1	Sarah David	EPA released its proposed disapproval of LA-South Coast Air Basin's 1997 8-hr Ozone Air Plan Mar 1, but objectives cannot be achieved without reductions from federal sources; submitted comments Apr 3; EPA/CARB/SCAQMD reach agreement July 22 recommitting to collaborative approach. Though SCAQMD updated Rule 317.1 June 7 to apply fees to Title V facilities for non-attainment of 8-hr Ozone, the July 22 agreement avoids fees being imposed...for now!
5.	CNRA Natural & Working Lands (NWL) Climate Smart Strategy Environment Farming Act Science Advisory Panel (EFA SAP)	Sarah	CNRA posted final carbon sequestration targets in support of AB 1757; Climate Smart Strategy to be released in fall 2024 for review, CASA requested biosolids be listed as eligible soil amendment, expert advisory committee met July 11 , next meetings Sept 12 and Nov 6. EFA SAP meets quarterly to review latest science on improving soil health and carbon sequestration – next meeting Sept 13.
6.	Criteria Pollutants & Toxics Emissions Reporting (CTR) & Hot Spots Program (EICG) EPA's Air Emissions Reporting Rule Update	Sarah PES Steering Committee	Wastewater sector reports BAU through 2027 while performing Statewide Air Toxics Pooled Emissions Study (PES), next Air Toxics Subgroup meeting is Aug 14, next Phase I Progress Meeting with Steering Committee Aug 28, CASA continues outreach to participants. CASA commented on EPA's proposed revisions to its air emissions reporting rule to be finalized and published by July 2024.
7.	Adaptation-Related Updates	Sarah	Tracking CNRA's 2024 Draft CA Climate Adaptation Strategy ; OPC released the final 2024 SLR Guidance and, as expected, CCC released proposed revisions to their SLR Policy Guidance for review – comments due Sept 23; OPC's SB 1 SLR Adaptation Planning Grant funding has been awarded and remains open. Keep watch of your NPDES and WDR permit renewals for climate change related requirements! SWRCB to develop a NEW Climate Change Resolution in fall, CASA requested to be involved in the process.

STATE LEGISLATIVE & BUDGET UPDATE

	ITEM	LEAD	STATUS
1.	State Legislation	Jessica/Spencer	Status of ACE-tracked bills, late "CA-Made" bill development
2.	Governor's Budget	Jessica/Spencer	Enacted (Summer) Budget

INFORMATIONAL ITEMS

	ITEM	LEAD	NOTES
1.	Biogas to Hydrogen	Sarah	US National Clean Hydrogen Strategy and Roadmap acknowledges WWTP biogas as renewable feedstock; continued tracking of hydrogen related bills; members working to demonstrate viability.
2.	Incentives to Improve Soil Health & C-Sequestration in CA	Sarah	From IRA to USDA NRCS Climate-Smart Agriculture & Forestry to Climate Action Reserve credits in the voluntary market.
3.	Biosolids Emissions Assessment Model (BEAM) Update	Sarah	BEAM update underway, the model supports the greenhouse gas emissions comparison of solids/biosolids management approaches.
4.	BACT: Emergency Diesel Engines	David Courtney	SCAQMD considering source test provisions for large (>1000 hp); SMAQMD adopts Tier 4 for small (>50), BAAQMD to follow.
5.	CARB Potential Amendments to Off-Road Diesel Engine Standards	Courtney	Tier 5 rulemaking (including CO ₂ standards), proposal expected in 2024, implementation to begin 2028.
6.	WRF Projects of Interest	Sarah	GHG library, Nitrous Oxide at WRRFs, PFAS destruction comparison.
7.	CASA's Engineering & Research Group (led by Associates)	Sarah	ERG met during Annual Conference, Priority is to pull together the list of experts and identify priority issues to target over next 5 years.

UPCOMING CONFERENCES/EVENTS

NAME	DATE/LOCATION
WaterReuse California Conference	September 15-17, Garden Grove, CA
Danish Water Technology Alliance Workshops (free, registration open)	September 23, Santa Rosa September 24, San Jose September 25, San Luis Obispo
AWWA Watersmart Innovations/Sustainable Water Mgmt Conference	September 24-26, Las Vegas, NV
NW Biosolids Biofest	September 29-October 1, Stevenson, WA
WEFTEC 2024	October 6-9, New Orleans, LA
CASA-CWEA Innovative Technology Seminars	Oct 29, Hyperion & Oct 30, SEP Community Ctr
NACWA National Clean Water Law & Enforcement Seminar	November 13-15, Tucson, AZ
California Bioresources Symposium	November 19-20, UC Davis Conference Center

NEXT MEETING: September 12th

**Air Quality, Climate Change, & Energy (ACE)
Workgroup Meeting**

August 8, 2024 (10 am – 12 pm)
Virtual – Zoom Link (see Meeting Invite)



1

Priority Issues/
Action Items



2

1. CARB's Advanced Clean Fleet Regulations/Resolution

Applies to gross vehicle weight rating >8,500 lbs (medium- and heavy-duty)

<p>1. State & Local Government Agency Fleets (Section 2013)</p> <p>(cities, counties, special districts, State agencies)</p>	<p>2. High Priority & Federal Fleet Requirements (Section 2015)</p> <p>(POTWs can opt in until 2030 – once in, you cannot opt out)</p>	<p>3. Drayage Truck Requirements</p>	<p>4. 2036 100 Percent Medium- and Heavy-Duty Zero-Emission Vehicle Sales Requirements</p>
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Contain requirements/schedules for POTWs!



3

1. CARB's Advanced Clean Fleet Regulations/Resolution

State & Local Government Agency Fleets

include cities, counties, special districts, state agencies



- **If NOT in a low population county, have >10 vehicles in fleet:**
 - January 1, 2024, 50% of vehicle purchases in each calendar year must be ZEVs
 - January 1, 2027, 100% of vehicle purchases in each calendar year must be ZEVs
- **If in low population county or ≤10 vehicles in fleet:**
 - January 1, 2027, 100% of vehicle purchases in each calendar year must be ZEVs
- No requirement to end the use of existing compliant vehicles
- Exemptions/extensions are available, but access is conditional
- Early ZEV purchases made before deadlines or in excess of requirement count toward future ZEV purchase requirements



4

1. CARB's Advanced Clean Fleet Regulations/Resolution

High Priority & Federal Fleets

If you are a WWTP, you can opt your entire medium and heavy-duty fleet into this regulation:

- Timeline to transition entire medium- and heavy-duty fleet (see table below)
- Exemptions/extensions are available, but access is conditional

Percentage of fleet that must be ZEVs →	10%	25%	50%	75%	100%
Milestone Group 1: Box trucks, vans, buses w/ two axles, yard tractors, light-duty package delivery vehicles	2025	2028	2031	2033	2035 +
Milestone Group 2: Work trucks, day cab tractors, buses with three axles	2027	2030	2033	2036	2039 +
Milestone Group 3: Sleeper cab tractors and specialty vehicles	2030	2033	2036	2039	2042 +

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SLGA Flexibility Provisions (Section 2013)		Focus of AB 1594 amendments by CARB	CASA
*BEV – battery-electric vehicle			
Provision	Conditions		
(1) Backup Vehicle Exemption	Vehicle, excluding yard tractors, operated <1,000 miles per year excluding any mileage travelled while performing emergency operations.		
(2) Daily Usage Exemption	Vehicle being replaced must be 13+ years old (16+ years or 700,000+ miles under Section 2015), and fleet must consist of => 10% of ZEVs/NZEVs, replacements are pursuant criteria specified in section 2013.1(b) and if no BEV is available that meets demonstrated daily usage needs of existing vehicles of same configuration.		
(3) ZEV Infrastructure Delay Extension	Extension available to vehicles 13+ years old (16+ years or 700,000+ miles under Section 2015), extends compliance up to 5 years for planning/construction delays.		
(4) ZEV Purchase Exemptions	Exemption available to vehicles 13+ years old (16+ years or 700,000+ miles under Section 2015), check ZEV purchase exemption list . Can buy ICE vehicle if ZEV not available in configuration needed.		
(5) Mutual Aid Assistance	Reserves up to 25 percent of ICE vehicles in a fleet for use in mutual aid events. Number of new ICE vehicles allowed to be purchased must not exceed 25% of total number of vehicles in fleet in calendar year exemption is approved, less the number of ICE vehicles already in fleet purchased pursuant to granted exemption. Fleet must be comprised of ZEVs: at least 25% until January 1, 2032; 50% until January 1, 2035; and 75% thereafter.		
(6) Intermittent Snow Removal Vehicle	Receive exemption from ZEV purchase requirements (section 2013(d)) until January 1, 2030, to purchase ICE vehicles operating as snowplows.		
(7) Non-Repairable Vehicle	Temporarily replace vehicle due to accident or onetime event beyond fleet owner's control (fire or catastrophic failure damaging the engine and vehicle are not repairable). May request/obtain exemption from ZEV purchase requirements in section 2013(d). May purchase used ICE vehicle of same configuration with engine of same or newer model year as non-repairable vehicle no >180 calendar days from date vehicle became non-repairable.		
Vehicle Delivery Delay Extension	Allows High Priority & Federal Fleet vehicles (Section 2015.1(c)(4)) to remain compliant if a ZEV order is delayed. Not relevant to the ZEV purchase schedule under the SLGA Regs, Section 2013.		

7

Does AB 1594 allow change of any provisions in ACF?

- Signed October 8, 2023
- Applies to public agencies, ...community water systems, water districts, wastewater treatment providers..
- Authorizes public agencies to “...purchase traditional replacements for medium- and heavy-duty vehicles at the end of their useful life...when needed to maintain reliable service and respond to major foreseeable events...**without regard to the model year of the vehicle being replaced.**”
- ACF regulations re-opened March 25th to incorporate requirements of AB 1594
- CARB is limiting amendments to ZEV Purchase and Daily Usage Exemptions
- CASA submitted comments May 20th, met with CARB staff June 26th to discuss additional questions, resubmitting comments on formal online portal
- Working with CARB to identify which registrants (via TRUCRS) include wastewater sector fleets
- CASA is coordinating with CMUA (sponsor), ACWA, SCPPA, NTPA to have united front where possible
- Amendment process intended to be complete by early 2025



8

1. CARB's Advanced Clean Fleet Regulations/Resolution

- Other Actions/Upcoming Events:
 - Board Resolution on maintaining biogas utilization – CASA met with CARB Chair in June and CARB's Deputy EO on Climate Change & Research in July, and meeting with Governor's Office of Business & Economic Development end of August
 - Truck Regulations Implementation Group (TRIG) continues to meet to receive input
 - Subgroups: Outreach, Border Communities, Infrastructure Implementation, Rule Provisions
 - Rule Provisions Subgroup Meeting: September 4th, focused on exemptions
 - Zero-Emission Vehicle Tour Events
 - August 14th, Oakland – Showcase Ride and Drive event featuring medium- and heavy-duty vehicles
 - September 20th, Port of Oakland – Ride and Drive Trucker Appreciation event featuring fuel cell and battery electric trucks, also talk to experts on finance, insurance, hydrogen fuel, electric charging infrastructure, etc.



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1. EPA issued final "phase 3" standards for GHG emissions reductions from Heavy-Duty Vehicles MY 2027-2032

- Phase 2 (2016) applied to medium- and heavy-duty vehicles MY 2021+
- Phase 3 applies to heavy-duty vocational vehicles (delivery trucks, refuse haulers, public utility trucks, transit, shuttle, and school buses) and tractors (day cabs and sleeper cabs on tractor-trailer trucks)
- Standards can be met by a range of vehicle technologies: advanced internal combustion engine, hybrid, plug-in hybrid, battery, and hydrogen fuel cell
- EPA scheduled a public hearing August 14th to consider CARB's request for a waiver of preemption for the ACF on-road regulations and an authorization for the ACF off-road regulations – once approved, CARB can begin enforcement



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2. SB 1383 Organic Waste Methane Emissions Reduction



- 40% methane reduction by 2030 (relative to 2013 levels) via organic waste diversion from landfills
 - 75% by January 1st, 2025 (relative to 2014 levels)
- Counties with overly restrictive ordinances for land application are reassessing restrictions as projects arise
 - Sutter County updated their Ordinance to allow Class A/EQ land app (CalRecycle, CASA, City of Yuba City advocated for Class B)
 - Tracking CalRecycle's compliance evaluations across CA with focus on Stanislaus, San Joaquin, Tulare, Kern, San Benito (Class B CUP)
- Article 2 interpretation and determination discussions continue, specifically regarding:
 - Processes counting as landfill disposal
 - Whether there is a net-methane/GHG reduction (to support the overall objective of the regulation)

County Ordinance Requirements and Biosolids Bans

- Ban on All Land Application
- Ban on Class B
- Conditional Use Permit Required
- Class B Land Application Allowed
- No Regulations/Ordinances Enacted



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2. Interagency (EPA-USDA-FDA) push to manage landfill methane through organic food waste diversion

- Clean Air Act (CAA) deadline to review new source performance standards for new landfills is August!
 - Estimate 33% of MSW is organic and 25% of MSW is food waste
 - Estimate 61% of methane generated by food waste is not captured
 - Strategy is under development to reduce organic waste sent to landfills, thus avoiding methane
 - Primary focus to achieve food waste reduction via recovery, followed by diversion
- EPA plays large role in diversion/recycling of organic waste infrastructure via compost and AD facilities – **pledged to fund \$275M in grants from [Solid Waste Infrastructure for Recycling Grant Program](#)**
- EPA planning to evaluate new and emerging technologies and different regulatory approaches that could be incorporated into Section 111 of the CAA (governs standard of performance for existing stationary sources)

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3. CARB Low Carbon Fuel Standard (LCFS)

- Designed to reduce fossil fuel dependence and reduce carbon intensity of fuel used
- Proposed (45-day) changes released January 5th
 - Phase-out avoided methane crediting for both biomethane and hydrogen pathways
 - Phase-out credit for biomethane as a transportation fuel
 - ISOR recognizes importance of POTWs but suggests POTWs need new/more digestion capacity/infrastructure which may require a compliance response
- CASA submitted comments February 20th and May 9th
- Next Steps
 - CARB to release 15-day notification this summer/fall
 - CARB to hold another workshop (or two) prior to Board adoption
 - CARB encouraged CASA to continue our sector's message regarding biogas utilization
 - Board Hearing set for November 8th to hear and adopt updates, to be effective 2025

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4. 8-hour Ozone Attainment: SCAQMD State Implementation Plan (SIP) & Rule 317.1

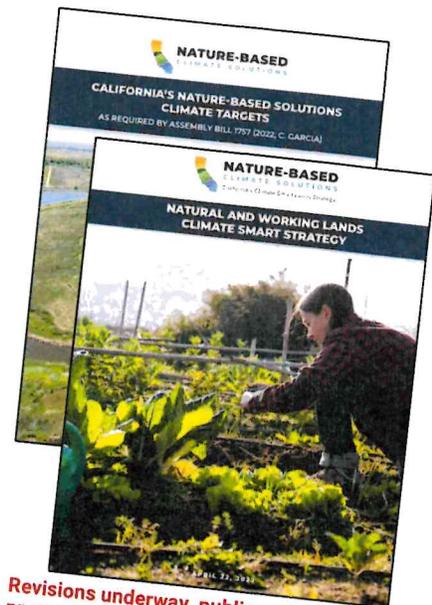
- Federal 8-hr ozone attainment requirements (set in 1997 for 2023) unreachable without reductions by federal sources in the LA-South Coast Air Basin
- EPA proposed disapproval of LA-South Coast Air Basin's 1997 8-hr Ozone Air Plan states:
 - "No basis for approving federal assignments" even though EPA acknowledged federal sources represent majority of emissions when responding to SCAQMD's 1994 ozone SIP
 - Contingency measures to achieve reductions were not implemented properly
- SCAQMD followed protocol and approved Rule 317.1, imposing penalties (per Section 185 of CAA) on Title V facilities in South Coast Air Basin (collective-fees ~\$800k per year)
- CASA (and others) requested limited approval of SIP, so EPA could work with CARB/SCAQMD to strengthen SIP, and develop measures to reduce federal sources
- **July 22nd EPA/CARB/SCAQMD re-commit to collaborative approach to reduce emissions from ALL sources to meet ozone standards set in 1997, 2008, and 2015**
- **No fees...for now!**



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5. CNRA NWL Climate Smart Strategy

- Models 8 landscapes for GHG reduction/storage potential
- Proposed revisions to be released this fall and to incorporate:
 - Quantitative [nature-based solution targets](#) for 2030, 2038, 2045 as required by AB 1757 (released April 22, 2024)
 - CASA is hoping biosolids are listed as an eligible soil amendment (in addition to compost and biochar)
- CNRA is also focusing on:
 - Identifying science/data needs for tracking progress toward targets
 - Working with CARB to update the NWL GHG model
- Expert Advisory Committee discussing revisions and needs:
 - May 30 focused on coastal wetlands and status of Climate-Smart Strategy updates
 - July 11 focused on nature-based solutions targets, implementation barriers, and solutions to barriers – remote sensing was postponed
 - Upcoming meetings: Sept 12 and Nov 6
- Next EFA SAP meeting moved to Sept 13



Revisions underway, public review process to be complete in 2025



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Summary of Incentives directly or indirectly supporting biosolids to improve soil health and carbon sequestration across California landscapes

Incentive Programs	Objective	Relevance to Biosolids	Applicant
Inflation Reduction Act	Reduce inflation due to global energy crisis while reducing carbon emissions by 40% by 2030.	\$19.5B directed to USDA NRCS Climate-Smart Agriculture & Forestry to increase carbon sequestration (see next row).	See next row, since funds are allocated locally.
USDA NRCS Climate-Smart Agriculture & Forestry Program	Expand conservation practices to mitigate climate change and build resilient farms and forests	Improve soil health and carbon sequestration through <u>mitigation strategies</u> (e.g., land application of soil amendments). Need to overcome NRCS Code 336 excluding biosolids. Biosolids investigation by W-5170 underway.	Producers, land managers (e.g., farmers and landowners)
CDFA OEFI Healthy Soils Program	Promote conservation management practices that improve soil health, sequester carbon and reduce GHG emissions.	Eligible on-farm management practices include cover cropping, no-till, reduced-till, mulching, compost and biosolids land application, and conservation plantings.	Growers, ranchers
CDFA OEFI State Water Efficiency & Enhancement Program (SWEEP)	Implement irrigation systems that reduce GHGs and save water in agricultural operations.	Eligible components include soil moisture monitoring, drip systems, low pressure irrigation systems, pump retrofits, variable frequency drives and renewable energy to reduce on-farm water use energy. Possibly includes strategies that offset water use including land application of biosolids.	Agricultural operation (applying for SWEEP precludes you from applying for other USDA funds listed above)
Climate Action Reserve (CAR) Soil Enrichment Protocol (Update underway)	Provide guidance on how to quantify, monitor, report, and verify ag practices to enhance C storage in soils.	Provides credit for achieving carbon storage/sequestration through land application of soil amendments, including biosolids.	Field manager, project developer, project owner

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6. Criteria Pollutants & Toxics Reporting and Air Toxics “Hot Spots” Inventory Program

- AB 617 gives CARB authority to “harmonize” air monitoring, reporting, & emission reductions for stationary sources
- AB 2588 Hot Spots compound list is >1,700 compounds (from >500)
 - Unknown toxicity levels
 - Unknown emission factors
 - Many are not relevant to WWTPs
- Phased compliance allows WWTPs to:
 - Report business-as-usual through 2027 data (i.e., new reporting begins 2029 for 2028 data)
 - **All WWTPs must participate in a two-step process (individually or as a group) to be compliant**
 - “Two-Step Process” to determine shortlist of compounds relevant to wastewater sector
 1. Scan air space of unit processes to determine detectable compounds
 2. Perform sampling and analysis to ultimately quantify emissions of detectable compounds (Mimic 1990 Pooled Emissions Estimation Program, but list of AB 2588 compounds creates broader scope)



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6. Statewide Pooled Emissions Study

- Latest Study actions:
 - Performing the Two-Step Process in two Phases!
 1. Develop approvable protocol to perform two-step process
 2. Quantify emissions (according to approved protocol for performing two-step process)
 - CASA outreach to broader participants continues, collecting pledges for Phase I only
 - CASA's Air Toxics Subgroup open to all Study participants, next meeting: August 14th
 - Next Progress Meeting held August 28th with Yorke/Steering Committee – Yorke drafting protocol this summer for Steering Committee review (prior to sharing with Air Districts)
 - Monthly written summaries to be distributed to participants beginning July
 - Meetings with CARB and Air Districts to be coordinated when ready to share protocol



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6. Federal air toxics reporting updates underway

- Proposed revisions to EPA's Air Emissions Reporting Rule (AERR):
 - Proposed revisions published August 9th with public meeting held August 30th
 - Comments submitted November 17th acknowledging the fact that CARB's CTR/EICG are compliant with the revisions and supporting CARB's application to submit on behalf of CA facilities

**No Update
from EPA**

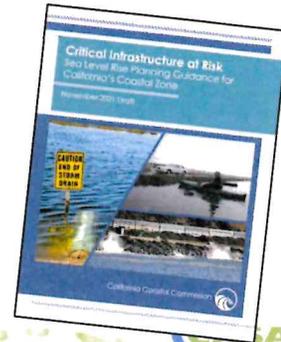
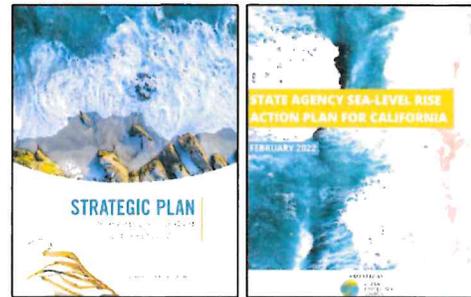


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7. Adaptation-Related Updates

- CNRA Draft CA Climate Adaptation Strategy (2024)
- OPC Sea Level Rise (SLR) Planning Guidance (2024)
- CCC SLR Policy Guidance Update (2024-2025)
- SWRCB *NEW* Climate Change Resolution/Policy
- RWQCB’s Climate Change NPDES/WDR Permit Renewals & Basin Plan Amendments
- Resilience-related funding (e.g., SB 1 SLR funding)

- SLR Planning & Policy Guidance Updates
 - OPC SLR Planning Guidance update final June 4, 2024
 - CCC now updating their SLR Policy Guidance to reflect OPC updates and incorporate EJ principles and SB 272 requirements – **comments due September 23rd**



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7. Adaptation Updates: SB 1 SLR Adaptation Planning Grant

- Grant funding for local, regional, and tribal governments facing significant and imminent SLR threats along the CA coast and San Francisco Bay shoreline
- Latest round of funding approved:
 - Up to \$250,000 to the City of Sausalito
 - Up to \$1,499,285 to Contra Costa County
 - Up to \$600,000 to the City of Santa Cruz
 - Up to \$1,200,000 to the Stinson Beach County Water District
 - Up to \$997,500 to the City of South San Francisco
 - Up to \$848,000 to the City of Imperial Beach
 - Up to \$220,000 to Orange County Parks
- For details, including eligibility, types of technical services supported, and how to apply, visit link in agenda
- Informational webinar held April 15th ([recording here](#))

NOTE: Senate Bill 1 SLR Adaptation Planning Grant Program (Track 1) proposals are accepted on a rolling, quarterly, non-competitive basis.

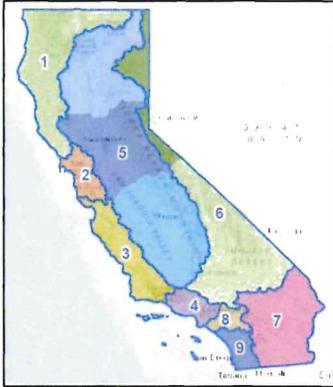
**Next submission deadline:
Friday, October 4, 2024!**



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7. Adaptation Updates: Permits require climate assessments

- NPDES/WDR permits require climate change vulnerability assessments, action plans, resilience plans, disaster preparedness plans, and possibly GHG emissions accounting
- Check out what your Regional Water Board is requiring (see next slide and matrix)!
- State Water Board Website – tracking Water Board climate actions **including developing NEW Climate Change Resolution – more to come on this in 2024!**



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RWQCB's requiring climate change assessments in permit renewals, some even require GHG emissions estimates!

Region	POTW Requirements for Climate Adaptation*	Mitigation of GHG Emissions
1 North Coast	Disaster Preparedness Assessment and Action Plan	No requirement as of today
2 San Francisco	Vulnerability Assessments/ERPs required for refineries' WW/SW systems	No requirement as of today
3 Central Coast	Climate Change Adaptation Program	Identifies maximizing reduction in carbon
4 Los Angeles	Climate Change Effects Vulnerability Assessment and Mitigation Plan	GHG emissions attributable to WWTPs, solids handling, and effluent discharge
5 Central Valley	No requirements for POTWs as of today, Region Work Plan	No requirement as of today
6 Lahontan	No requirements for POTWs as of today, Region Action Plan	No requirement as of today
7 Colorado	No requirements for POTWs or Region Plan as of today	No requirement as of today
8 Santa Ana	Climate Change Action Plan	GHG emissions resulting from facility operations and effluent discharge
9 San Diego	Climate Change Action Plan	GHG emissions resulting from facility operations and effluent discharge

*Need to consider requirements of SB 272, for local governments (in whole or in part within the coastal zone) to develop sea level rise adaptation plans by 2034.



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State Legislation (“CA Made” Package)

Prop 4 @ \$10B (SB 867)

- Safe Drinking Water, Drought, Flood and Water Resilience – \$3.8 billion
- Wildfires and Forest Resilience – \$1.5 billion
- Sea Level Rise and Coastal Resilience – \$1.2 billion
- Protect Biodiversity and Accelerating Nature-Based Climate Solutions – \$1.2 billion
- Clean Air – \$850 million
- Park Creation and Outdoor Access – \$700 million
- Extreme Heat Mitigation – \$450 million
- Climate Smart, Sustainable & Resilient Farms, Ranches and Working Lands – \$300 million



Governor’s Enacted (Summer) Budget



Informational Items



26

1. Biogas-to-Hydrogen

- Tracking bills, specifically those defining green “electrolytic” hydrogen
- US National Clean Hydrogen Strategy & Roadmap – Enable the Benefits of Clean Hydrogen:
 - Strategy 1: Target Strategic, High-Impact Uses of Clean Hydrogen
 - **Strategy 2: Reduce the Cost of Clean Hydrogen**
 - Hydrogen Production through Water Splitting
 - Hydrogen Production from Fossil Fuels with Carbon Capture and Storage
 - **Hydrogen Production from Biomass and Waste Feedstocks (acknowledges WWTP biogas)**
 - Other System Costs
 - Strategy 3: Focus on Regional Networks
- LACSD to demonstrate biogas-to-hydrogen technologies – third parties pursuing partnership
- Rajinder Sahota, CARB Deputy EO connected CASA with Governor’s Office
- Researching life cycle emissions estimates for hydrogen production



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2. Summary of Incentives directly or indirectly supporting biosolids to improve soil health and carbon sequestration across California landscapes 

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Climate Action Reserve (CAR) Soil Enrichment Protocol (Update underway)	Provide guidance on how to quantify, monitor, report, and verify ag practices to enhance C storage in soils.	Provides credit for achieving carbon storage/sequestration through land application of soil amendments, including biosolids.	Field manager, project developer, project owner

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2. Summary of Incentives directly or indirectly supporting biosolids to improve soil health and carbon sequestration across California landscapes 

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CDFA OEFI Healthy Soils Program	Promote conservation management practices that improve soil health, sequester carbon and reduce GHG emissions.	Eligible on-farm management practices include cover cropping, no-till, reduced-till, mulching, compost and biosolids land application, and conservation plantings.	Growers, ranchers

CDFA had OPEN Request for Proposals on New Practices for Consideration under Healthy Soils Program
Proposals were due August 2, 2024 – **any member submit?**



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3. Biosolids Emissions Assessment Model (BEAM) Update

- Update in process
- Independent project of NEBRA and NW Biosolids, building on the Canadian Council of Ministers of the Environment’s work with Sylvis
- Science Review Team provided recommendations for improvement:
 - Carbon Sequestration
 - Fertilizer Offsets
 - Nitrous Oxide and Methane fugitive emissions
 - Composting
 - Thermal Processes
 - Biogas Combustion



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4. BACT: Emergency Diesel Engines

- Bay Area AQMD
 - Tier 4 for engines >1000 bhp effective January 1, 2020
 - Tier 4 for engines >50 bhp – looking for source test data from Sacramento Metro AQMD
- Sacramento Metro AQMD
 - Tier 4 for engines >1000 bhp effective June 4, 2021
 - Tier 4 for engines >50 hp approved February 2024
- San Joaquin Valley APCD
 - Tier 4 for engines >1000 bhp effective April 29, 2022
- South Coast AQMD
 - Tier 4 for engines >1000 bhp effective September 2, 2022
 - Clean Water SoCal working to avoid unnecessary testing requirements for compliant engines by requesting they match that for certified engines
 - Advising operators to avoid using emergency generators during PSPS events

NFPA 110-2022 Edition
www.nfpa.org/110

Standard for Emergency and Standby Power Systems

Adding a new Section (5.6.5.5.1) to read as follows:
5.6.5.5.1 *Where used for permanent Level 1 applications, EPA-mandated inducement engine shutdowns due to emissions system controls that are required on Tier 4 certified engines with SCR shall be prohibited.*

Substantiation:
 Tier 4 certified engines have EPA mandated inducement shutdowns that occur when NOx goes out of limits. This is not catastrophic to the engine / generator itself, it just means NOx went out of limits.

For obvious reasons, generators that provide power for critical facilities like hospitals and WWTPs (or other emergency systems) absolutely cannot have that added risk to public safety!

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5. CARB Potential Amendments to Diesel Engine Off-Road Emission Standards

- “Tier 5 Rulemaking”
 - Reduce NO_x (up to 90%) and PM (up to 75%) compared to Tier 4 standards
 - First-time GHG (carbon dioxide, CO₂) standards
 - Stringent exhaust standards for all power categories, including those that do not utilize exhaust aftertreatment (i.e., DPFs and SCRs)
 - Propose more representative useful-life periods
 - Develop a low-load test cycle
 - Update test procedures and consider first-time off-road OBD requirements
- Proposal to Board expected in 2024
- Implementation to begin in 2029



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6. Water Research Foundation (WRF) Projects

- WRF 5188 – Establishing Industry-Wide Guidance for Water Utility Life Cycle GHG Emission Inventories
- WRF 5211 – Understanding the Value Proposition for Thermal Processes to Mitigate PFAS in Biosolids (to be complete in 2026)
- WRF 5220 – Sewer Methane Methods for Everyone
- WRF 5251 – Advancing the Understanding of Nitrous Oxide Emissions Through Enhanced Whole-Plant Monitoring and Quantification (awarded)
- WRF 5255 – Developing a GHG Emissions Library for Unit Processes by Water Utilities and Decentralized Systems
- Coming in September:
 - WRF 5310 – Head-to-Head GHG Measurement Comparisons: Plantwide and Process-Specific Quantification Methods Evaluation



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7. CASA's Engineering & Research Group

- Led by Associates
- Group last met during the Annual Conference (last week!)
- Actions:
 - Compile list of experts (academic, associates, researchers, etc.)
 - Identify areas for research – topics include:
 - RO concentrate/Brine management
 - Nutrient management
 - Nutrient management/Organics diversion/Nitrous oxide emissions
 - Exfiltration
 - CEC (PFAS, Microplastics, etc.) Removal
 - Etc.



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Upcoming Conferences/Events

- **WaterReuse California Conference**
September 15-17, Garden Grove, CA
- **Danish Water Technology Alliance Workshops (Nutrient Removal & Air Quality Objectives)**
September 23 (Santa Rosa), September 24 (San Jose), September 25 (San Luis Obispo)
- **AWWA WaterSmart Innovations/Sustainable Water Management Conference**
September 24-26, Las Vegas, NV
- **NW Biosolids Biofest**
September 29-October 1, Stevenson, WA
- **WEFTEC**
October 6-9, New Orleans, LA
- **CASA-CWEA Innovative Technology Seminars**
October 29, Hyperion & October 30, SEP Community Center
- **NACWA National Clean Water Law & Enforcement Seminar**
November 13-15, Tucson, AZ
- **California Bioresources Symposium**
November 19-20, UC Davis Conference Center



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Upcoming Meeting

- September 12th

Don't miss the Perseid Meteor Shower – peaks in mid-August. Check it out August 10th/11th ~11:30 pm as the moon sets...hoping you have clear skies!



Thank you!



CASA ACE Notes
Craig K. Murray
August 8, 2024

46 Participants. Heidi Oriol, Sac Sewer, CASA ACE Chair. Updates ACF, Climate Working Plans and Coastal Commission SLR Plan Updates. GK: AB 1440 Open Mtg. Proceedings Update.

CARB ACF: 8500 lb + vehicles. By 1/1/27 100% vehicle purchases need to be ZEV unless exemptions – CASA, Others: hard to access the State exemptions. Work to continue to be done with CARB. Stringency and Access issues with State. WW sector fleets under State and Local guidelines – SLGA Flexibility AB 1594 to amend Provisions in Section 2013 w/daily usage and ZEV purchase exemptions. 13 + year old exemption may not apply to WW b/c our vehicles often need to be replaced prior to that vehicle age limit. AB 1594 signed Oct. 2023 CMUA, CASA, ACWA other groups supported and allowed replacement of vehicles at end of useful life without regard to the model year of the vehicle being replaced (important to maintain reliable service). Amendment expected by early 2025.

Met with CARB Chair and CARB Deputy EO Rajinda Sehun on how to continue use of biogas not just transportation but pipeline injection and all other uses. Continue to work on these barriers and others as they arise.

TRIG next meeting is September 4. Ride and Drive event featuring medium- and heavy-duty vehicles
Sept. 20: Port of Oakland, Ride and Drive Trucker Appreciation event: fuel cells, battery electric trucks, experts on finance, insurance, hydrogen fuel, and such as electric charging infrastructure.
DR: EJ community very much against Hydrogen but thinks Hydrogen is pathway for biogas reuse. Philip Vander Klay (PVK), LACSD, EJ oppose particularly with biogenic sources to hydrogen. Really watching legislation that biogas isn't completely carved out. SD: Gov. now come out with language that cuts off Biogas in many ways. Kris Flaig, LASAN: EJ diametrically opposed to hydrogen. Reasons and top 3 venues to mix with ej? DR: EJ don't like dairy biogas, tends to give oppty. To give fossil fuels from crude to hydrogen. We don't fit into those fears and there are a lot of Environmental groups and we don't have time to talk to all of them. SD: EJ strong reaction to any combustion. When ACF was in development was seeing on prior scoping plan updates but now a committee and direct outreach to groups now is necessary. SD: EJAC committee has outreach to a lot of different communities that we can prioritize to reach out to. Kevin Hamilton very aligned with groups not wanting to also see Fossil Fuel areas increase. PVK: NRSC, Earth Justice said we understand you WW are different but we don't want to make exceptions for you. You are in camp with other folks we don't trust and no carve outs. SD: Gov. on beneficial use of biogas. Pushing biogas to low carbon fuel and then other tech. but if burn at higher temps will get knocks and other items that are not good. DR: Electric, Fuel Cell but DOA with hydrogen directly to car. On Harbor Craft, Tier 4 engines larger and not fit in harbor craft. Boat manufacturers: this is not possible. As pushing for zero emission, acknowledge. SD: Chair has stated, not written, but stated this. KF: 94% reduction of emissions of harbor craft is the push. Michael Anelli (new to group): WW plants but larger community and hydrogen (busses: Alameda Co, Foothill Transit) found electric not working and converting fleet to Hydrogen. Transit agencies paying very high price for hydrogen and biogas can supplement their supplies. Sd: Biogas to Hydrogen still needs to be demonstrated. KF: Digester Gas in plant use demonstrated in LA. Have had shut downs with neighbor DWP and can't have. Terminal Island plant yet to be determined use in future. Jofil Borja (SacSewer) (new to group): \$100m FDA grant to create hydrogen facility. Non-peak hours key and allowance for secondary sale of the hydrogen, limit hydrogen facility does not sell (no mark-ups, tariffs). Footprint of traffic coincides with transit as schedule with WW vehicles. Not as simple as a high-speed EV Charger. Hopefully get at the same below market rate.

Federal. EPA final phase 3 standards for GHG emissions heavy-duty vehicles MY 2027-2032 issued. Aug. 14: Hearing to consider a waiver for ACF and ACF off-road. SD registered and will attend.

SB 1383. GK: Not whole lot new to report. 75% diversion by 1/1/25 to achieve 40% methane reduction by 2030 for landfills. Meeting first date is challenge. WW continue to show that we will accept food waste into our digesters. We worked with Cal-Recycle to develop legislation but limit to about 30% of our production each year. They did recognize that land application will increase each year. Cal Recycle been responsive and helped with FAQs to counties as they consider revisions. Eg Sutter from prohibition to Class A. Many others what drives so cal to AZ. SLO co. added also has a compost ban. Sonoma: Class B Land Application Allowed. Marin: Conditional Use Permit Required (25 of CA 58 counties also 15 counties have no regulations or ordinances enacted). SD: Clean Air Act (CAA) new landfill standards deadline is August. 33% of MSW is organic; 25% of MSW is food waste; 61% methane generated by food waste is not captured. GK: Wiining With Food Waste and whole concept is digestion (same with co-digestion penalty removal if use for transportation fuel). Working with American Biogas Council to extend to 2032. EPA pledged \$275M in grants from Solid Waste Infrastructure. Allow to use until 2040 biogas for transportation fuel but want CARB LCFS want to phase out biogas. Board Hearing set for Nov.8 but Board is getting a lot more comments than they anticipated. 2040: CARB plan to phase out biomethane.

Methane Emissions Reduction



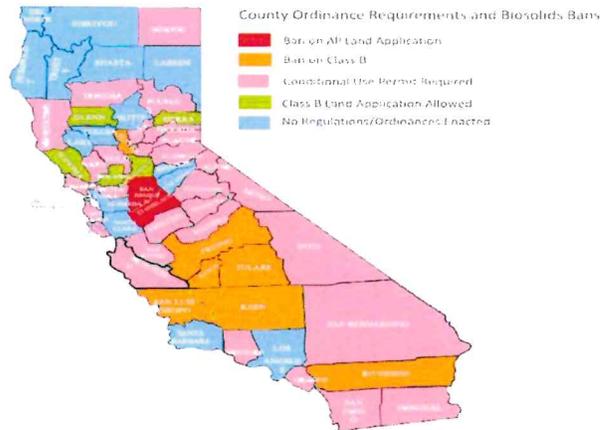
to 2013 levels) via

s)

for land projects arise
 v Class A/EQ land (noted for Class B)
 cross CA with focus on nito (Class B CUP)

discussions

n (to support the



GK: What City to invest in RNG vehicles if know current State of California legislation is now for a very short life.

Investor Owned Utilities need to procure biomethane in pipeline. By 2030: 70B cu ft biogas and requires from WW. Lot of questions b/c slow movement to fulfill obligations. First is by 2025. CASA to provide comments by Aug. 16. Saw obstacles in rule, such as if put into pipeline then have to cap amount of energy production from that point of injection.

SCAQMD State Implementation Plan (SIP) & Rule 317.1, LA-South Coast Air Basin. 1997 8-hour Ozone Air Plan. July 22 EPA/CARB/SCAWMD to work together to strengthen the SIP. DR: Still have to pay penalties and could be litigated b/c EPA and CARB not following on how to get to attainment.

Steve Jepsen: Not just LA Basin, SD already adopted 185 penalties. It is messed up for us.

CNRA Natural and Working Lands. How to better manage carbon and improving soils, crop yield and crop uptake that can help to store carbon. GHG model for landscapes and nature-based solutions for sequestration. Preservation, Conservation, Restoration approaches to 2045 State goal to reach carbon neutrality. Next EFA SAP meeting: Sept. 13 and Nov.6. Supporting use of Biosolids in Carbon Sequestration. Chart on p.16 on programs, grant funds. GK: hopeful Climate Smart Strategy will include Biosolids. Incentives to farmers to include and help with climate change. 5170: Concerns fate and transport of PFAS. \$1.5M to Ohio State researcher to help illustrate PFAS is not a concern. Expect by July, 2025.

Summary of Incentives directly or indirectly supporting biosolids to improve soil health and carbon sequestration across California landscapes



Incentive Programs	Objective	Relevance to Biosolids	Applicant
Inflation Reduction Act	Reduce inflation due to global energy crisis while reducing carbon emissions by 40% by 2030.	\$19.5B directed to USDA NRCS Climate-Smart Agriculture & Forestry to increase carbon sequestration (see next row).	See next row, since funds are allocated locally.
USDA NRCS Climate-Smart Agriculture & Forestry Program	Expand conservation practices to mitigate climate change and build resilient farms and forests.	Improve soil health and carbon sequestration through mitigation strategies (e.g., land application of soil amendments). Need to overcome NRCS Code 336 excluding biosolids. Biosolids investigation by W-5170 underway.	Producers, land managers (e.g., farmers and landowners)
CDFA OEFI Healthy Soils Program	Promote conservation management practices that improve soil health, sequester carbon and reduce GHG emissions.	Eligible on-farm management practices include cover cropping, no-till, reduced-till, mulching, compost and biosolids land application, and conservation plantings.	Growers, ranchers
CDFA OEFI State Water Efficiency & Enhancement Program (SWEEP)	Implement irrigation systems that reduce GHGs and save water in agricultural operations.	Eligible components include soil moisture monitoring, drip systems, low pressure irrigation systems, pump retrofits, variable frequency drives and renewable energy to reduce on-farm water use energy. Possibly includes strategies that offset water use including land application of biosolids.	Agricultural operation (applying for SWEEP precludes you from applying for other USDA funds listed above)
Climate Action Reserve (CAR) Soil Enrichment Protocol (Update underway)	Provide guidance on how to quantify, monitor, report, and verify ag practices to enhance C storage in soils.	Provides credit for achieving carbon storage/sequestration through land application of soil amendments, including biosolids.	Field manager, project developer, project owner

AB 617 CARB harmonize air monitoring, procedures. AB 2588: Hot Spots list from 1,700 to 500 compounds. All WWTPs must participate in 2-step process to be compliant. AERR: EPA's Air Emissions Reporting Rule. SB 1: SLR Planning Grant: Fri. Oct.4 Grant submission deadline.

State Leg: Mon.8/5 back from recess, session ends 8/31. Bill Omission hydrogen, H w/biogenics, combust biomass. CASA req. to add back in. SD:Aug.29: Mtg. w/Gov. Office on Biogas Utilization. Hydrogen, CEQA streamlining Bill. Prop. 4 \$10B natural resources bond (SB 867).

Info. Updates. www.nfpa.org/110 - BACT: Emergency Diesel Engines, Standards. SRF Projects: 5310 GNG Measurement Comparisons. DR: Drone flew over plant and contacted that Methane. If methane or NO let SD know. To SD any topic need more research on and this goes to CASA eng., research group.

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BOARD MEMBER MEETING ATTENDANCE REQUEST

Date: _____ Name: _____

I would like to attend the _____ Meeting
of _____

To be held on the _____ day of _____ from _____ a.m. / p.m. to
_____ day of _____ from _____ a.m. / p.m.

Location of meeting: _____

Actual meeting date(s): _____

Meeting Type: (In person/Webinar/Conference) _____

Purpose of Meeting: _____

Meeting relevance to District: _____

Request assistance from Board Secretary to register for Conference: YES NO

Frequency of Meeting: _____

Estimated Costs of Travel (if applicable): _____

Date submitted to Board Secretary: _____

Board approval obtained on Date: _____

Please submit this form to the Board Secretary no later than 1 week prior to the Board Meeting.

8/15/2024

BOARD AGENDA ITEM REQUESTS

Agenda Item 5B

- Separate Item to be distributed at Board Meeting
- Separate Item to be distributed prior to Board Meeting
- Verbal Report
- Presentation

MARIN VOICE

Don't let memory of recent drought emergency fade

Two years of life-affirming, transformational rains have filled the reservoirs. No more unflushed toilets sacrificed to the cause of conservation. The lush green hills of the last few months are turning a dignified brown.

We've got so much water, any memory of dried, cracked lawns are buried in the past.

It's not a very distant past. Even in normal years, the seven reservoirs from which we get 75% of our water barely holds a two-year supply. But in 2021, they were shriveling up. That year, a surprise atmospheric river event in October kept the wolf from the door. It wasn't the first time.

Since 1976, Marin has had 24 years of drought. Drought has accelerated in this century, with 17 out of the last 24 years in drought. Drought may have taken some time off the last couple of years, but it will come back. It always does.

Lack of rain isn't the only looming problem for the Marin Municipal Water District. Storage capacity and access are also weaknesses in the system. Years of reluctance to build water supply resiliency compounded by a blind devotion to conservation and severe water use restrictions exacerbated the problems. Moreover, the 25% of our water we buy from Sonoma that runs through the newly upgraded Kastania Pump could be at risk if Sonoma's water runs low. Sonoma Water will surely prioritize its own growing communities.

It's not just the cost of imported water that's concerning. Miles of rusted, leaking water mains need to be replaced. Material and labor costs are up. The ecological health of the watershed needs protection to maintain its biodiversity, water quality and yield. All could be too easily lost with the toss of a burning cigarette. Even contemplating how a major fire could turn our pristine reservoirs into turbid pools makes my stomach turn. Wildfire risk mitigation is imperative. All of the above costs money.

By 2022, MMWD's operating costs were higher than ever and the financial reserves were at drought levels. It faced a \$31 million deficit. In other parts of California, water managers suggested rate increases be tied to the consumer price index. The Contra Costa Water District pioneered this concept in the 1980s and it is among the most fiscally sound in California.

MMWD did not follow this lead. For nearly 30 years prior to last year, it increased rates in spurts — if at all — or added new fees. We all know now how this tactic can lead to sharp and painful increases to make up for cost-of-living and other shortfalls. It leaves limited alternate sources of financial replenishment for necessary reserves.

Perhaps foremost in the minds of some MMWD directors at the time was the thought that voters don't like rate increases. Two former members of the board who served a combined 43 years moved on in 2022.

That year, three new directors came aboard. The new directors' eyes were open to the problems they faced, but they were also willing to look at fresh and innovative solutions to solve them.

While still respecting the importance of conservation, they were eager to explore other options that could make Marin's water supply more resilient including increased storage, advanced technologies in recycled water and more environmentally sound desalination. They knew substantial upgrades to our water infrastructure would enable us to weather the inevitable cycles of droughts and storms in the coming decades. Realistically, they knew none of this can happen without raising rates. As expected, rates increased again this month.

Up until 2022, MMWD failed to deliver a viable solution for water supply resiliency or prevent a fiscal crisis. We can't forget where we were just a few years ago, deep in the throes of those crises. While this is an important election year on so many levels, the elections closest to home are no less important. Pay attention in the months ahead and vote on Nov. 5.

Kristi Denton Cohen, of Mill Valley, is co-founder of the Marin Coalition for Water Solutions.

Reservoir levels still top norm amid heat

Managers say wet winters made the supply bountiful

BY ADRIAN RODRIGUEZ

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Marin County water managers say two consecutive wet winters have provided a bountiful supply for the year as reservoir levels remain above average for July.

Both the Marin Municipal Water District and the North Marin Water District ended the fiscal year on June 30 with above-average rainfall counts.

The Marin Municipal Water District recorded 62 inches of rain from July 2023 through June, or about 120% of the average of 52 inches.

“Which is great considering the year before we also were well above average,” Lucy Croy, the district water quality manager, said in an update on the water supply at a meeting on July 2.

In the water year from July 2022 to June 2023, the flush year of rainfall topped off Marin reservoirs and extracted the county from a significant drought. That year, the district recorded 77 inches of rain, or about 150% of the average of 52 inches.

The district manages seven reservoirs that have a combined storage capacity of about 80,000 acre-feet of water. An acre-foot is about 326,000 gallons. The district serves about 191,000 residents. Current storage is just over 73,200 acre-feet, which is 114.7% above the average storage for this time of year.

Water production remains flat at about 24%, which indicates that customers are being good about conserving water, Croy said.

“Looking ahead through March, April of next year, we are sitting in a very good position given the wet winters that we’ve had and the conservation levels we are seeing from our customers,” Croy said.

The North Marin Water District recorded 34.5 inches of water at its Novato reservoir Stafford Lake, exceeding its average of 27.3 inches.

The district recorded 41.7 inches last year, 18 inches in the 2021-22 season and a record low 8.5 inches in 2020-21.

The district serves about 61,000 residents in the greater Novato area and parts of western Marin.

Novato receives about 80% of its water supply from the Russian River. Stafford Lake provides the remaining supply, but it is a smaller reservoir and is typically only drawn during the warm months when water use is highest.

The largest of Sonoma Water’s reservoirs, Lake Sonoma, is at about 96% of capacity.

Lake Mendocino is about 85% capacity.

“Things are looking good,” said Tony Williams, general manager of the North Marin Water District.

Marin County fire Chief Jason Weber said while the wet winter was appreciated, it also has produced a significant grass crop that is starting to dry out. Weber said there is an exceptionally heavy grass crop this year.

“It’s always good news when the reservoirs are full,” Weber said. “The down side of the last few wet years is the increase in fuel.”

“With the early heat, our live fuel moistures are lower than normal,” Weber said.

“In turn, nice to see the reservoirs full in the unfortunate event we need the water for firefighting.”

The news comes as the historic heat wave that swept the Bay Area begins to taper off.

While the summer will remain hot and dry, the fact that Marin reservoirs are full is a good sign, said Dylan Flynn, a meteorologist for the National Weather Service.

This past year, the weather service recorded 32.27 inches of rainfall at its weather station in Mill Valley, which is about 91% of the normal 35.6 inches, Flynn said. Over the previous year, the weather station recorded about 120% of normal, he said.

"We've been able to capitalize on two wet years," Flynn said. "Right now, we don't know what's in store for this coming winter, but everything has been well stored and well managed. We'll know more closer to fall."

MARIN MUNICIPAL

Dam spillway plan could increase storage capacity



Water rushes down the Peters Dam spillway at Kent Lake in the Mount Tamalpais watershed. DOUGLAS ZIMMERMAN — SPECIAL TO THE MARIN INDEPENDENT JOURNAL



Nicasio Reservoir is at capacity in Nicasio in February. ALAN DEP — MARIN INDEPENDENT JOURNAL

BY ADRIAN RODRIGUEZ

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The Marin Municipal Water District is exploring options to increase its storage capacity by modifying spillways on reservoir dams.

The district board recently authorized spending up to \$2.2 million to design proposals for potential projects at Nicasio Reservoir, Soulajule Reservoir, Kent Lake and Alpine Lake.

Spillways are the parts of a dam that provide controlled release of water downstream.

Work has already been done to determine that it could be possible to alter Seeger Dam at the Nicasio Reservoir with floodgates to add about 3,000 acre-feet of storage capacity. Early estimations indicate it would be around a \$5 million construction project.

“This project is what’s kind of called the spin-off of the bigger water storage projects that staff are working on,” Alex Anaya, director of engineering, said during a project update on June 21.

Anaya said that compared to other \$290 million-plus water storage proposals, the prospect of a spillway modification is “a unique opportunity to advance the district’s water supply in a cost-effective way ... which will increase the district’s resiliency in short order.”

The district serves 191,000 residents in central and southern Marin. Its seven reservoirs make up about 75% of the district’s water supply. The reservoirs can hold approximately 80,000 acre-feet of water, about a two-year supply. An acre-foot is about 326,000 gallons.

The spillway project is an offshoot of capacity projects discussed in the water supply roadmap that was approved last year. That planning document set the stage for the district to significantly increase water supply for the first time since the 1980s. The plan seeks to add another 12,000 to 20,000 acre-feet of annual supply by 2035.

The big-ticket, albeit controversial, proposals that have dominated recent conversations include reservoir expansion projects ranging from \$290 million to \$1.29 billion, and potentially more. The projects have potential to increase capacity for billions of gallons of additional water to defend against the drought.

In April, the board narrowed its focus to study the potential expansion of only Soulajule Reservoir, Kent Lake and the area of upper Nicasio. At the same time, the board directed staff to separately pursue options for spillway gate modifications because it is a relatively inexpensive project with a quick turnaround compared to the other massive undertakings.

“The spillway modifications alternative selection and design project is really the district’s next step forward in enhancing its reliability, flexibility and resiliency of the district’s water system to help improve and service the Marin water customers,” Anaya said.

The spillway project will also build on findings of a yearlong study approved in May to examine the impact of climate change on the district’s seven dams, Anaya said.

District staff expect that consultants will have a proposal ready for approval and construction within about 18 months, Anaya said.

The board authorized staff at its meeting on July 2 to hire consultants Black and Veatch to work on the spillway project proposals.

“I think we’ve been looking at options for decades and now you guys are moving forward,” board member Jed Smith said. “I am thrilled about this opportunity to get 3,000 acre-feet, maybe a little bit more, in the most cost-effective way possible. I think this would be a historic increase to our dam capacity at Nicasio.”

Larry Minikes, a member of the Marin Conservation League, said that when looking at project design, every inch counts toward extra water storage, “so it’s going to be critical to determine what the maximum height these spillway gates can be.”

“It’s an exciting project, you know, a lot of us have been following for quite a while,” Minikes said.

HEALTH OFFICER

Marin COVID count swells during summer

BY KERI BRENNER

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Marin's COVID-19 indicators are on the rise, officials said this week.

"We're seeing increased virus levels in wastewater, more outbreaks in long term care facilities and more folks in the hospital," Dr. Matt Willis, the county's public health officer, said on Monday.

"A lot of those illnesses that start off as 'summer colds' are actually COVID-19 these days," Willis said.

The most recent wastewater surveillance report on July 2 showed a spike to 297.6 copies per milliliter of the virus DNA at all the county sites, according to the county's Health and Human Services Department website. That was up from a low concentration of 50.1 virus DNA copies per milliliter on April 27, the chart showed.

On Friday, 11 people in Marin were hospitalized, up from eight on June 24, an increase of 30%, Willis said. In March and April, the hospitalizations were half that amount, Willis said.

"We're closer now to the surge that we had in February," Willis said.

The trend is evident around the state as well, health officials said.

"We're clearly in a swell of cases now," Dr. John Swartzberg, clinical professor emeritus of infectious diseases and vaccinology at University of California at Berkeley's School of Public Health said last month.

"Test positivity, that's going way up, emergency department visits are up, hospitalizations are up," Swartzberg said. "So all of that tells us that there's an awful lot of COVID going on."

According to Swartzberg, "This is the most significant time we've dealt with COVID since the winter surge, but compared to a year ago, we are in better shape," he said.

Willis said COVID-19 appears to surge every summer and winter. That is different than other respiratory diseases such as flu and RSV — or respiratory syncytial virus — which tend to surge annually in the fall and winter.

"It may be too early to say if COVID is a seasonal illness," Willis said. "If it is seasonal, then it seems to surge twice in winter and in summer."

Willis is advising residents at higher risk for serious illness to get the current COVID-19 vaccine, if it's been more than six months since their last shot. Those who are in that vulnerable category include everyone over age 60, he said.

"Some have asked if it's better to wait for the new vaccine formulation we're expecting for the fall," Willis said. "But with the levels of transmission we're seeing, it's more important to have protection now, if you're at risk for serious illness." The county is also advising people in the most vulnerable population to wear a mask if out of the home and in indoor public settings.

Willis is advising all residents to consider taking added precautions, such as updating virus test kits.

"For the general public, it's still worth taking steps to prevent infection," he said.

"COVID is not just like flu or a cold," he added. "We know that repeated infections can increase risk of long COVID symptoms, for people in any age group."

Most of the current strain of virus tracked in Marin are KP.2 and JN.1, according to the county website. This is a different virus version than a year earlier, but the new vaccine will be formulated to protect against the new dominant strains.

For more information, see coronavirus.marinhhs.org.

The Bay Area News Group contributed to this report.

READERS' FORUM



Former MMWD director defends previous board

In a recent commentary, IJ political columnist Dick Spotswood promoted a false narrative about the previous Marin Municipal Water District Board of Directors' record in addressing water supply challenges ("Recently active MMWD needs to keep pushing projects," July 7).

The previous board wasn't "dithering." It acted decisively to increase Marin's water supply under very challenging circumstances. I was a member of that board. During our term, we rebuilt Kastania pump station to increase the annual supply flow from Sonoma County by 5,000 acre feet per year (equivalent to adding another Bon Tempe reservoir); rebuilt and quadrupled our recycled water production; implemented a variety of innovative conservation measures to bolster water resilience; and drafted a comprehensive road map of needed infrastructure improvements, including the Phoenix Lake project.

All of this was accomplished while operating under stringent COVID-19 pandemic lockdown protocols during a historic drought. While the current board has managed to vastly increase rates, it has not increased our supply, as exemplified by its decision to pause the Phoenix Lake project.

Spotswood's claim that "MMWD has delayed action to increase drought resiliency to protect a handful of steelhead trout" is misleading. Water rights are strictly controlled by the State Water Resources Control Board. Even so, our board applied for, and received, a drought exception, which allowed us to modify our habitat water releases.

Spotswood's assertion that these policies caused it to impose water rationing is inaccurate. While the board adopted temporary drought restrictions on landscape irrigation, it did not impose household limits. More importantly, the Mount Tamalpais watershed remains Marin's most important source of water and the district's exemplary environmental stewardship of it has been beneficial to both humans and habitat.

Those are the facts. Spotswood's spin ignores the record and reduces consideration of Marin's water policy to empty rhetoric and partisan finger-pointing.

— *Larry Bragman, Fairfax*

Richardson Bay housing plan is a creative success

It was wonderful to read the story about anchor-out resident Peter Romanowsky ("Richardson Bay housing program eases 'anchor-outs' ashore," July 16).

The efforts by the caseworkers to actually paddle out to his boat to speak with him, along with this innovative program created by county officials, left me impressed, inspired and grateful to all who worked on this program. I hope there will be more creative efforts to get all of our unhoused neighbors, and their animal companions, into safe housing.

— *Maggie Rufo, Novato*

Like FDR, Biden should choose new running mate

President Joe Biden defeated former President Donald Trump in 2020. He is convinced he'll do so again. One way for Biden to prove it is to hold an open process at the Chicago convention for the choice of his running mate. Current Vice President Kamala Harris might be selected, but it could be someone else.

If a change is made, Biden would still have the option of holding out the post of attorney general to Harris, with an understanding that if he has the opportunity to nominate another Supreme Court justice, she'll be first on the list.

MARIN MUNICIPAL

District details playbook for saving water

Plan includes turf changes, metering, irrigation efficiency

BY ADRIAN RODRIGUEZ

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The Marin Municipal Water District has set conservation benchmarks for the next five years that are projected to reduce water use by hundreds of millions of gallons annually.

District staffers presented the final 2024 Water Efficiency Master Plan to the board of directors on Tuesday. The plan is a playbook that outlines how water is used today in the county, and how the district can help its 191,000 customers in central and southern Marin cut back.

The plan aims to reduce water use districtwide by more than 1,000 acre-feet a year starting by 2025, with even greater incremental reduction targets beyond that. An acre-foot is about 326,000 gallons of water.

If the district is successful in implementing the plan, there could be a cumulative savings of about 28,000 acre-feet of water by 2045, said Carrie Pollard, the district's water efficiency manager.

"This is a five-year plan to identify strategies of what are the best opportunities for us to reduce water use within our community," Pollard said.

Pollard said staff might find that some programs in the plan are ineffective, or that new opportunities are discovered along the way.

With that in mind, staffers "will adaptively manage our water efficiency program as we move forward," Pollard said. Today the district delivers about 25,300 acre-feet of water per year.

When it comes to conservation, some of the district's customers are motivated by drought while others value efficiency, a district customer survey found.

"We want to leverage that folks think saving water is important and that they highly value that as a motivation," Pollard said.

The plan outlines three key initiatives to achieve major gains in conservation.

First, the plan calls for target marketing to get customers to participate in a turf conversion program. The district is planning to convert 190,000 square feet of turf a year. Turf conversion saves about 31 gallons per square foot a year.

This is an ambitious target considering past participation. During the drought, the district did convert 410,000 square feet of turf, but before conservation was top of mind, the district only replaced about 7,700 square feet annually.

"We need to be realistic but aspirational, and that's what our intent is here," Pollard said.

Secondly, the plan says all customers with advanced metering infrastructure, a type of smart meter, will begin receiving digital notifications when a leak is detected rather than a mailed letter.

Today, the district mails out about 1,200 leak letters annually directing customers to make repairs. After repairs, the average savings per letter is 28,000 gallons of water.

Once the AMI smart meters are fully deployed to all customers, these notifications are expected to increase, resulting in quicker repair and an average water savings of 731 acre feet per year.

Another area of focus is what's called the large landscape customer initiative, where the district establishes water budgets for customers such as schools and parks that manage irrigated land.

It's an educational program to show customers how much water they're using, versus how much water their land actually needs, in hopes of educating them to irrigate more efficiently. The plan projects an annual savings of about 189 acre feet of water.

The plan also describes a Flume smart home water monitor program; rebate programs for pool and spa cover rebates and smart irrigation controllers. The plan describes laundry-to-landscape grey water incentives and rain barrel and cistern programs.

Other savings can be achieved by continued distribution of water efficient fixtures, such as showerheads, faucet aerators and toilet leak detection tabs.

The district has planned conservation assistance programs where staffers will package various water savings offerings tailored for residential customers or commercial customers.

The plan calls for two new pilot programs. One would develop customized water budgets for residential customers based on irrigated landscape and localized weather data. Participants would receive bi-monthly notifications comparing they're actual usage against their budgeted use.

Another pilot program would package water efficiency offerings to managers of sports fields, such as schools and parks, to motivate turf replacement and better irrigation practices.

Already, the district has voted to end the high-efficiency toilet rebate and high-efficiency clothes washer programs. The programs have been replaced by a custom rebate program for commercial, industrial, institutional, irrigation and multifamily home customers.

Staff is proposing to rescind its grey water ordinance, which states that applicants seeking new water service, and projects requesting expanded water service for large residential or commercial remodels, must install a grey water recycling system for landscape irrigation.

A replacement to the rule is expected to be brought back to the board at a future meeting.

As the district moves forward with the plan, staffers are also monitoring state policies on conservation goals and the incoming ban on nonfunction turf.

District directors thanked staff for the effort in developing the plan.

Board member Matt Samson said he is concerned that participation in the turf replacement and grey water programs has tapered off.

"It is ambitious," Samson said of the plan. "I think we need to be realistic in looking at a lot of those numbers where you're trying to drive the costs, drive the use of water down."

"I think it's important, as you think about the next steps, to report back in on how we're measuring the success of this effort and how it impacts our long-term water supply efforts," said Jed Smith, a district board member.

"Achieving our water supply objectives are going to be based on a portfolio approach," board president Ranjiv Khush said. "It's not going to be one single effort that gets us there, it's going to be a combination of a lot of different efforts. This is integral for that, and it's one of the few actions we can implement right now."

CDC: COVID levels ‘very high’ in sewage

BY RONG-GONG LIN II

LOS ANGELES TIMES

LOS ANGELES >> Coronavirus levels in California’s wastewater now exceed last summer’s peak, an indication of the rapid spread of the super-contagious new FLiRT strains.

California has “very high” coronavirus levels in its wastewater — one of 21 states in that category, up from seven the prior week, according to estimates published Friday by the U.S. Centers for Disease Control and Prevention.

That means about 155 million people — nearly half of America’s population — live in areas with “very high” coronavirus levels in sewage. Besides California, the other states with “very high” levels are Alaska, Colorado, Connecticut, Florida, Hawaii, Idaho, Louisiana, Maryland, Minnesota, Nevada, New Hampshire, New Mexico, North Carolina, Oregon, Texas, Utah, Vermont, Washington, West Virginia and Wyoming. Washington, D.C., is also in that category.

Nationally, overall viral levels in wastewater are considered “high” for the second straight week, the CDC said. The estimates are subject to change as more data come in.

Most Americans probably know a family member, friend, co-worker or acquaintance who has come down with COVID-19 recently, perhaps being infected while traveling or at a social gathering.

“If you call — I don’t know — 20 or 30 friends, you’re very, very likely to find a bunch of them actually have COVID, or have had COVID recently, or are starting to be symptomatic,” said Dr. Ziyad Al-Aly, a COVID expert and chief of research and development at the Veterans Affairs St. Louis Health Care System in Missouri.

One notable recent case was President Biden, who tested positive for COVID-19 on Wednesday while traveling in Las Vegas. Biden returned to Delaware to recover. Los Angeles Mayor Karen Bass tested positive a few weeks ago, and Rep. Barbara Lee, D-Oakland, said Tuesday that she was celebrating her birthday while recovering from COVID.

“Our fight against COVID is not over!” Lee said on social media.

Across the nation, COVID-19’s shadow has become more pronounced lately, with the usual seasonal uptick in travel and socialization spawning a fresh spate of infections. Many cases are relatively mild, but nevertheless disruptive — forcing trips or plans to be canceled.

Some recently infected people have described painful COVID symptoms, such as a throat that feels like it’s studded with razor blades. Overall, however, there are no indications the FLiRT subvariants are associated with increased illness severity that would trigger a substantial increase in hospitalizations.

The CDC estimates that COVID-19 infections are growing or likely growing in 41 states, including California. There are no states where the coronavirus is declining or likely declining.

The COVID resurgence comes as the sprawling FLiRT family is increasing its dominance nationally. For the two-week period that ended Saturday, the CDC estimates that about 80% of the nation’s coronavirus specimens are of the FLiRT subvariants, up from about 65% for the same period a month earlier.

Across California, the rate at which COVID tests are returning positive results is also on the rise. For the week that ended July 15, 12.8% of tests came back positive. That’s up from 5.9% a month earlier and close to last summer’s peak of 13.1%, which was recorded at the end of August and early September.

For the 10-day period that ended July 6, the most recent for which data are available, coronavirus levels in Los Angeles County wastewater were at 36% of last winter's peak, up from 27% for the 10-day period that ended June 29.

Newly confirmed COVID cases are rising faster, too. For the week that ended July 14, there were an average of 359 new cases a day in L.A. County, up from 307 the prior week. A month earlier, there were 154 cases a day.

Official COVID-19 case tallies are certainly an undercount, as those figures include only tests done at medical facilities, not those taken at home, and also don't account for the fact that fewer people are testing when they feel sick. But the overall trends are still helpful to determine the trajectory of the summer wave.

COVID hospitalizations are also ticking up, though they remain below last summer's peak. For the week that ended July 13, there were an average of 287 COVID-positive people per day in L.A. County hospitals, up from 139 for the comparable period a month earlier. Last summer's peak was the week that ended Sept. 9, when an average of 620 COVID-positive patients were in the region's hospitals per day.

For the week that ended July 14, L.A. County reported that 2.8% of all emergency room visits were COVID-related — up from 1.8% for the comparable period a month earlier, but below last summer's peak of 5.1%.

Coronavirus levels are also high in the sewage of Santa Clara County, the Bay Area's most populous region and home to Silicon Valley. As of Friday, coronavirus levels were "high" in all of its sewersheds — San José, Palo Alto, Sunnyvale and Gilroy.

Doctors say it's important to get tested if you have COVID symptoms, such as fever, aches, sore throat, chills, fatigue, cough, runny nose or headache, as well as less-common ailments such as vomiting, diarrhea and stomachache.

Most health insurance plans in California — at least those regulated by the state — are required to reimburse covered people for eight at-home test kits per month, if an in-network provider is used.

In an advisory, the California Department of Public Health said, "Most adults and some children with symptomatic COVID-19 are eligible for treatments. ... Providers should have a low threshold for prescribing COVID-19 therapeutics."

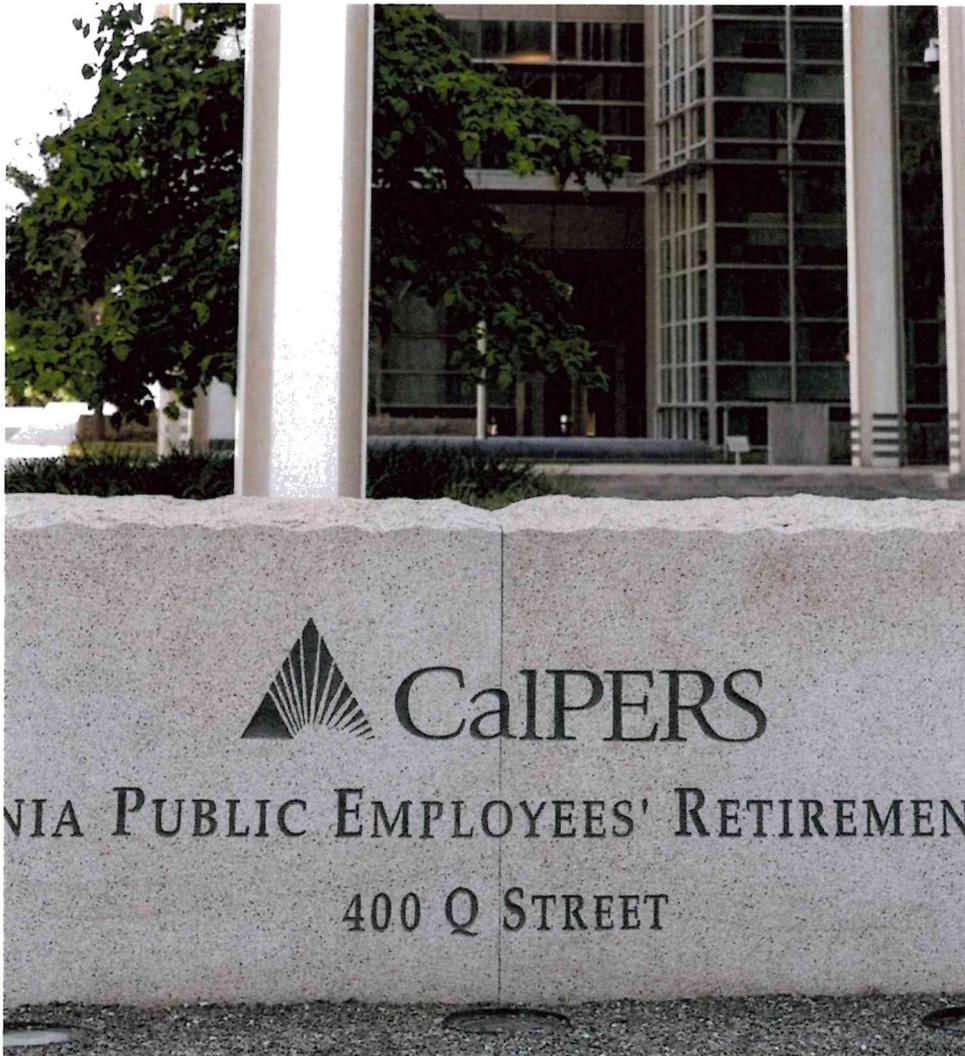
The state of California once made virtual medical COVID visits free for residents, but that program ended in March. The contractor that provided the service, [sesamecare.com/covid](https://www.sesamecare.com/covid), now offers those medical services for a fee, though with a discount for California residents.

There has been relatively low uptake of the updated COVID-19 vaccine, which became available in September. Since then, 36.7% of California's seniors 65 and older have received at least one dose of the updated vaccine, as have 18.5% of adults age 50 to 64 and 10% of younger adults, up to age 49.

For people who haven't received an updated COVID vaccine within the last year, "you should think about getting it, especially if you're older and immune-compromised," said UC San Francisco infectious diseases expert Dr. Peter Chin-Hong. People at highest risk of dying from COVID are those who are older or have weakened immune systems and haven't been recently vaccinated.

Getting the 2023-24 vaccine now will still allow you to get the updated COVID vaccination that is on track to become available this fall. The CDC will recommend everyone 6 months and older get the updated 2024-25 version of the vaccine.

Distributed by Tribune News Service.



CalPERS Announces 9.3% Investment Return for FY2024. What does that mean for your agency?

July 17, 2024

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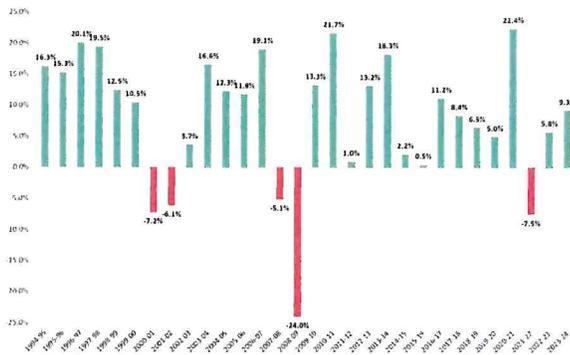
On July 15, 2024, the California Public Employees' Retirement System (CalPERS) **announced** a preliminary 9.3% investment return for FY2024. This is a much welcomed relief after two years of investment underperformance.

As a reminder, in FY2022, CalPERS lost 7.5%, a heavy blow to the funded status of California's public pensions. While the pension fund did better in FY 2023, the return still fell slightly short of the 6.8% target (also known as the discount rate) that is required to maintain the funded level and avoid further unfunded accrued liability (UAL) increases.

The 9.3% investment return for FY 2024 marks the first time in three years that CalPERS was finally able to exceed their discount rate.

It translates into 2.5% of excess earnings over the 6.8% discount rate. This helps lower UAL balances and UAL payment amounts for California public employers. The official calculations will become available once the FY2024 actuarial reports are published in summer of 2025.

The 30-year history of the CalPERS investment return is shown in the graph below.



CalPERS Investment Return (1994-2024)

With the FY 2024 investment return exceeding the 6.8% target, the California’s public pension system slightly increased its funded level from 72% to 75%.

The investment performance was driven by healthy gains in the public stock (17.5% gain), private debt (17% gain), and private equity (10.9% gain) portfolios, while real assets posted a 7.1% loss and fixed income earned a modest 3.7% return. It should be noted that the private equity, real assets, and private debt return calculations usually lag by a quarter and still could be adjusted.

To quantify what the 9.3% investment return means for your agency, it is important to understand the math of pension plan funding within the CalPERS system.



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perpetuity so that members could meet their retirement obligations to employees, retirees, and other beneficiaries. Every time that CalPERS misses the return target, additional UAL is created. However, when investment returns exceed the target, the UAL is reduced.

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To estimate the FY2024 excess return impact on your UAL, you can multiply the market value of assets within your pension plan by the 2.5% excess earnings. That will be the approximate amount by which the UAL will be reduced. **For each \$1 million in pension plan assets, roughly \$25,000 of existing UAL will be removed from each agency’s account.**

The lower UAL will first be reflected in the 2024 actuarial reports, which CalPERS will publish in July/August of 2025.

The FY2024 performance will result in higher funded status of pension plans, lower UAL balances, and lower future UAL

payments, as the effect of the excess earnings will be spread over the next two decades. There should be no change to the Normal Cost contribution rates due to the investment performance.

The impacts of the FY2024 investment performance are illustrated below:

FY2024 Event	Plan Funded Status	UAL Balance	UAL Payments	Normal Cost Rates
9.3% Investment Return	↑	↓	↓	No Change

CalPERS FY2024 Investment Return Impacts Summary

If CalPERS continues to follow its current amortization practices, the FY2024 UAL reduction will be phased in over a 20-year period starting with FY2027, with a five-year credit ramp-up. The 2027 UAL credit will be 20% of the full annual credit amount, the 2028 credit will be 40% of the full annual credit amount, the 2029 credit will be 60% of the full annual credit amount, and the 2030 credit will be 80% of the full annual credit amount. Only in 2031 will the credit be fully phased in and continue at that level for 15 more years.

The years with excess returns should be allowed to work in your favor. Unlike UAL increases, which result in negative amortization, unamortized UAL credits create additional investment income for your agency's pension account. Thus, you probably don't want to take them off the ramp-up to maximize their benefit.

Recently CalPERS elected to pause automatic discount rate reductions in years with excess investment returns. Instead, the Board of Administration is now required to review whether the discount rate should be reduced in the future. It remains to be seen if a reduction will be implemented, but the 5-, 10-, and 20-year average returns are all below the 6.8% return target.

Besides the investment-related UAL changes, CalPERS also performs an annual reconciliation to ensure that actual plan

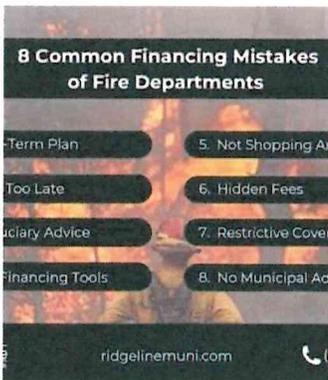
experience matches with the actuarial assumptions. This reconciliation will result in additional UAL changes for FY2024, but we will find out about them only in July/August of 2025.

Ridgeline Municipal Strategies, LLC can help you evaluate the impacts of the FY2024 investment performance on your pension costs and implement appropriate pension cost optimization and mitigation strategies.

Ready to start saving money on your CalPers UAL?

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DICK SPOTSWOOD

2024 a great time to make a difference, run for office

The foundation of the American government is at the local level, whether county, city or town.

In his 1885 book "Democracy in America," Alexis De Tocqueville wrote, "Local assemblies of citizens constitute the strength of free nations. ... A nation may establish a system of free government, but without the spirit of municipal institutions it cannot have the spirit of liberty."

Marin residents are fortunate to have local governments that range from very good to occasionally excellent. That'll remain true only if we make it our duty to participate as well-informed citizens. Those with the inclination and experience might consider stepping up to participate as candidates or apply for spots on city or county commissions.

This is the ground level of democracy. As America teeters on the edge, it's essential that local government remains rock solid. Our national and state institutions have become decrepit as they were designed for different times.

Filing for Marin offices has already opened. The final day for candidates to file is Aug. 7. If no incumbent runs for reelection, the filing deadline is extended to Aug. 14. Council seats will be on the ballot in Belvedere, Corte Madera, Larkspur, Fairfax, Mill Valley, Novato, San Anselmo, San Rafael, Sausalito and Tiburon.

There's also a flock of board of education and special-purpose board posts up for grabs. There is a plethora of opportunities for willing Marin residents to participate in governing their town or neighborhood. The pay is negligible. Despite the view of amateur cynics, the awards of public service stem from a sense of accomplishment and doing one's part to be part of the solution toward improving our collective quality of life.

In recent years, Marin has seen some elections for city councils and school boards short of sufficient candidates to fill all the openings. This is a sign that their community's civic life is in trouble. The role of seeking qualified candidates is shared by civic, business, labor and parent groups.

So far, well-educated and prosperous Marin has avoided the worst of the abuses that too many Americans blithely shower on even local officeholders. Those who complain and contend they could do a better job now have a golden opportunity to step forward as candidates for their local school board or town council.

Almost as bad as unfilled spots on the ballot are jurisdictions where only the incumbents bother to file. It's no insult to any incumbent to face multiple challengers. Everyone, including incumbents and the citizenry, benefit from the give-and-take of vigorously contested elections.

To some incumbents, the lack of an opponent is a sign they are doing a good job. Not so. It's a compliment to them when there are contested elections. It's a sign that the incumbents have facilitated a vibrant civic culture.

As past South Bend, Indiana mayor and current U.S. Secretary of Transportation Pete Buttigieg says, "In local government it's very clear to your customers — your citizens — whether or not you're delivering. Either that pothole gets filled in, or it doesn't. The results are very much on display, and that creates a very healthy pressure to innovate."

Kudos to the Novato Unified School District for taking action to curb the use of cellphones in schools that teach students from first through eighth grades. The use of social media with algorithms designed to reinforce biases is a prime reason that hatred, violence, bullying and division is swamping America.

Other Marin school districts should follow Novato's example.

NUSD's idea is to ask parents to "pledge" not to give their children cellphones until they reach high school. Let's take it further. The use of cellphones on campus should lead to their confiscation with the device's return made directly to the child's parent.

Columnist Dick Spotswood of Mill Valley writes on local issues Sundays and Wednesdays. Email him at spotswood@comcast.net.

SAN QUENTIN AREA

Workforce housing plan hits snag with sanitation agency



A rendering of Oak Hill Apartments, which is proposed to be built on state land near San Quentin Prison. PHOTOS PROVIDED BY EDEN & EDUCATION HOUSING PARTNERS



Artist rendering of Oak Hill Apartments. The Oak Hill Apartments development consists of two projects.

BY ADRIAN RODRIGUEZ

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A land-access debate between the Central Marin Sanitation Agency and the developer of a workforce housing project near San Quentin is emerging.

The problem centers around what access the sanitation agency can maintain on and around an easement through the state land off Sir Francis Drake Boulevard in Larkspur, where the district has an odor treatment site, once construction on the housing project begins.

The sanitation agency will still be permitted to deliver chemical treatments there. However, a proposed driveway, which is part of the Oak Hill Apartments project and crosses the easement, won't be wide enough to accommodate the 5,000 gallon trucks the sanitation agency uses to convey the treatment.

The state issued the easement to the sanitation agency in 1995. The district has been making odor treatments there since 1997.

At a sanitation agency board meeting on July 9, Bruce Dorfman, chief executive officer of Education Housing Partners, the developer of the 135-apartment project, said construction is expected to begin by March 2025. He said it's the sanitation agency's financial responsibility to remedy the problem if it wishes to maintain the same or similar access.

"We really believe at the end of the day this is an agency facility; it's an agency improvement," Dorfman told the board.

"We're here to cooperate anyway we can, but it's really not our forte," Dorfman said. "The clock's ticking, and we need to get something resolved." Sanitation agency board members say if they have a legal right to the easement perhaps the agency shouldn't have to bear all the costs to find a solution.

“I don’t think it’s our problem until a lawyer tells us our easement can be obstructed,” board member Mary Silva said at the meeting. “I think it’s technically not an easement anymore if it’s so obstructed we can’t do what we need to do.”

Board member Maribeth Bushey, a San Rafael city councilmember, said she’s interested in resolving the problem amicably.

“How can we accommodate this needed housing for our community in a way that doesn’t interfere with CMSA’s operations and doesn’t materially impact our finances?” she said.

The Oak Hill Apartments development consists of two projects. The Education Housing Partners development calls for 135 apartments that will be reserved for Marin County employees and the employees of local school districts. They will be available to people classified by the state as being low income, or earning between 60% and 120% of area median income. That means a two-person household could earn between \$89,520 and \$149,200 per year.

The second project, developed by Eden Housing, will be situated next to it and would feature 115 apartments that will be priced to be affordable to households that earn between 30% and 60% of the area median income. For a two-person household, that translates to between \$44,760 per year and \$89,520 per year.

At the meeting, the board directed staff to seek legal counsel to determine the access rights to the easement.

The board also asked staff to seek a consultant who can perform a feasibility study that would look at potentially funneling the odor treatments offsite. The proposal would involve inserting a tube within a recycled water pipe used to fill a Larkspur pond to carry the chemical treatment.

When contacted after the meeting, Jason Dow, general manager of the sanitation agency, said the district uses a hydrogen peroxide solution for odor treatment at a cost of \$3.35 per gallon.

The district spends about \$324,000 annually for the chemical, which is delivered to the San Quentin site an average of twice a month, and to its San Rafael headquarters.

Dow said staff explored hiring a different company that uses smaller 2,000 gallon trucks, but the only available contractor was based out of the Los Angeles area, and it would cost about 80% more, or about \$583,000 to make deliveries. Even so, the driveway would likely need to be redesigned.

“Odor control is important,” Dow said.

For one, treatment prevents the unpleasant smell of sewage from dispersing into the air. Secondly, without treatment, the sewage could produce a harmful gas. Exposure is bad for sanitation workers and equipment, Dow said.

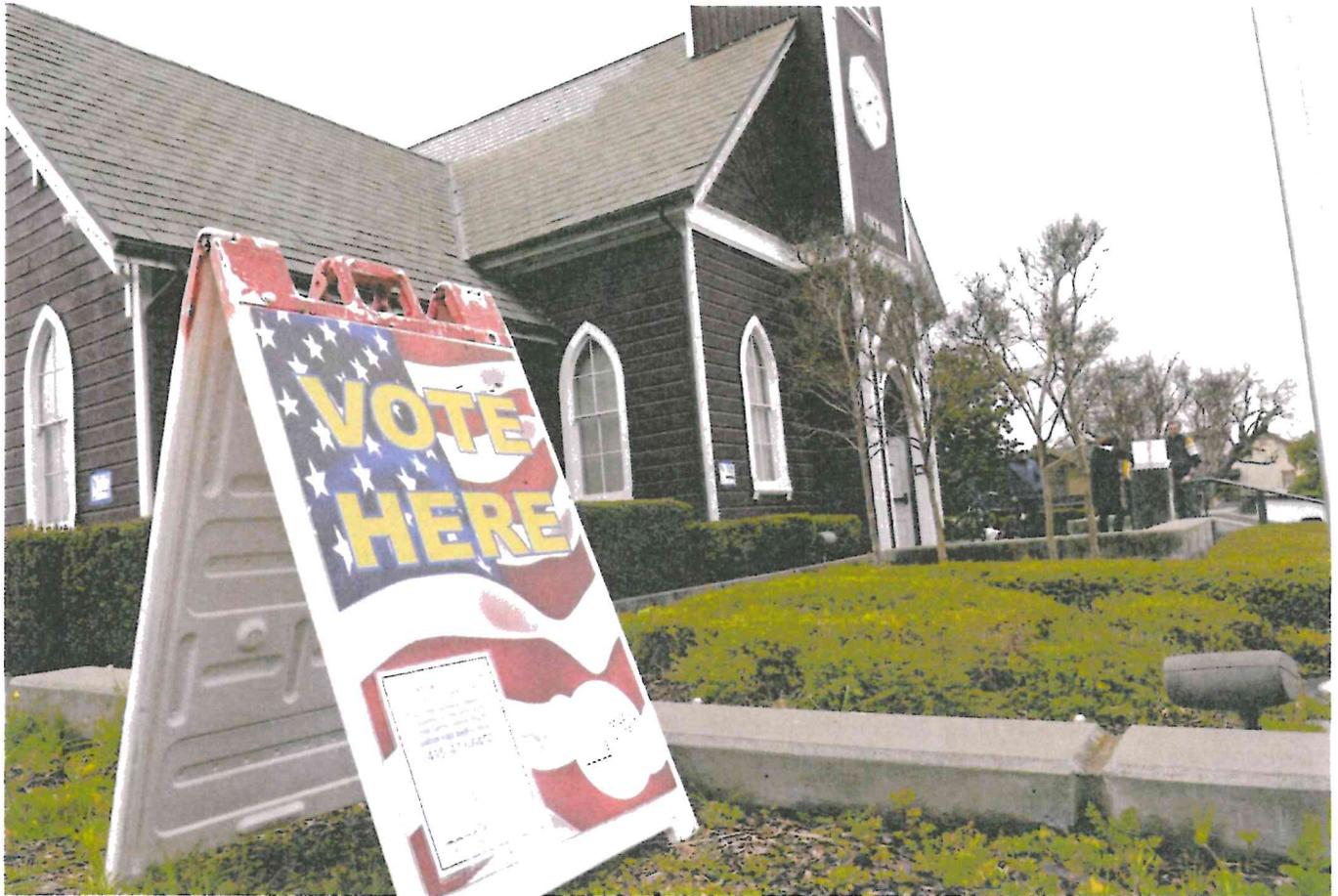
Staff is performing its own study to determine the impacts of shutting down the treatment site, Dow said.

Staff is also attempting to contact the neighboring Drakes Cove Homeowners Association to discuss potential options to create a new driveway into the treatment site from Drakes Cove Road if no other solution is feasible.

“At this point, we’ve had a great relationship with the developer,” Dow said. “Everybody has agreed to work together to find a solution and make sure we work as quickly as we can.”

Dow said he expects to present an update on the progress at the board’s Aug. 13 meeting.

Marin ballots for Nov. election filled with open seats



A "Vote Here" sign stands outside City Hall in Novato in March 5. Novato is among many cities with city council contests in the Nov. 5 election. ALAN DEP.../MARIN INDEPENDENT JOURNAL, FILE

BY RICHARD HALSTEAD

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The filing period begins Monday for scores of local offices up for grabs in the Nov. 5 general election in Marin.

The nomination period ends at 5 p.m. on Aug. 9, with an extension to Aug. 14 for positions where an incumbent officeholder has not filed.

Marin County Registrar of Voters Lynda Roberts says there is a reason why so many local offices will be in play in November.

"Several years ago local jurisdictions — schools, cities/towns, special districts — were required to move elections from the odd year to the even year to improve turnout," Roberts wrote in an email. "Most of the jurisdictions in Marin County moved their regularly-scheduled elections to the November general election in even years."

Senate Bill 415, a state law that took effect in 2017, prohibits local governments from holding an election on any date other than a statewide election date if doing so in the past has resulted in turnout that is at least 25% below average. Statewide elections are held in November of even-numbered years.

The election's local highlight will be a runoff between Heather McPhail Sridharan, a former Kentfield School District trustee, and Brian Colbert, a member of the San Anselmo Town Council, to determine who will replace Supervisor Katie

Rice, who is retiring at the end of her term.

Colbert finished in first place among the five candidates in the March primary with about 43% of the vote. McPhail Sridharan finished second with a little over 26% of the vote.

For the congressional seat representing Marin, Rep. Jared Huffman, D-San Rafael, is being challenged by Chris Coulombe, a Republican retired Army captain who lives in Sebastopol and co-founded the Cannabis Distribution Association. Huffman received over 81% of the vote in the March primary while Coulombe garnered just over 12% in the five-person [contest](#). At the state level, Assemblyman Damon Connolly will defend his seat for the first time. Republican Andrew Podshadley of Novato, the owner of Trek Winery, is attempting to unseat him. Connolly received about 81% of the vote in the March primary. Podshadley got just over 11% in the three-person race.

The election will also feature contests in 10 of Marin's cities and towns for seats on local councils. Other key bodies with incumbents whose terms are ending include the Marin Municipal Water District, the Marin County Board of Education, the Marin Community College District, the Marin Healthcare District and school districts.

The election will also include races for seats on community services districts, fire protection districts, sanitary districts and water districts.

City and town posts

In San Rafael, the terms of Mayor Kate Colin and council members Rachel Kertz and Maika Gulati are ending. The terms of San Rafael's city attorney, Robert Epstein, and clerk, Lindsay Lara, are also concluding.

Three incumbent council members in Novato must decide whether they will seek re-election: Susan Wernick, Tim O'Connor and Mark Milberg.

Mill Valley also has three council incumbents whose terms are ending: Caroline Joachim, Urban Carmel and James Wickham.

In Larkspur, three seats on the City Council will be in play. The terms of Gabriel Paulson and Scot Candell are ending, and a third seat is available due to the death of councilman Kevin Carroll in March.

Three incumbents on the Sausalito City Council must also decide whether they want to seek re-election: Melissa Blaustein, Janelle Kellman and Ian Sobieski.

In Tiburon, there are two council incumbents whose terms are ending: Holli Thier and Isaac Nikfar.

In Fairfax, the terms of Chance Cutrano, Barbara Coler and Bruce Ackerman are ending.

Belvedere has three councilmembers whose terms are ending: Sally Wilkinson, James Lynch and Nancy Kemnitzer.

Corte Madera has two incumbent council members whose terms are ending: Fred Casissa and Charles Lee.

In San Anselmo, there are three incumbent councilmembers with terms concluding: Eileen Burke, Alexis Fineman and Colbert. Colbert can't seek re-election because he's running for supervisor.

Water district boards

Two of the five seats on the Marin Municipal Water District board will be up for grabs. The terms of Larry Russell and Monty Schmitt are ending.

The terms of four of the five members on the North Marin Water District board are ending: Kenneth Eichstaedt, John Baker, Michael Joly and Stephen Petterle.

The terms of three of the five members of the Stinson Beach County Water District are ending: Barbara Boucke, Lance Meade and Sandra Cross.

Education boards

Four of the Marin County Board of Education's seven trustees — Li Delpa, Patricia Garbarino, Fel Agrelius and Clairette Wilson — must decide whether to run again.

Half of the Marin Community College District's board members — Philip Kranenburg, Paul da Silva, Crystal Martinez and Stephanie O'Brien — have terms that are expiring.

In San Rafael, the terms of three Board of Education trustees — Mark Koerner, Maureen de Nieva and Marina Palma — are ending.

The Tamalpais Union High School District has two board members whose terms are ending: Karen Loebbaka and Leslie Harlander.

The Bolinas-Stinson Union School District has three board members whose terms are ending: Georgia Woods and Nicolette Hahn.

The terms of three board members in the Miller Creek School District are ending: Francesco Ruggeri, Alissa Chacko and Caitlin McShane.

The Kentfield School District also has three board members whose terms are concluding: Annie Su, David Riedel and Sara Aminzadeh.

The Laguna Joint School District has two board members whose terms are ending: James Lanatti and Diane Rowley.

The Lagunitas School District has two board members whose terms are ending: Richard Sloan and Denise Bohman.

The Larkspur-Corte Madera School District has two board members whose terms are ending: Annie Sherman and Beth Blair.

The Mill Valley School District has two board members whose terms are ending: Elli Abdoli and Michele Hodge.

The Nicasio School District has one board member whose term is ending: Daniel Ager.

The Novato Unified School District has four trustees whose terms are ending: Debbie Butler, Ross Millerick, Julie Jacobson and Gregory Mack.

The Reed Union School District has two board members whose terms are ending: Liz Webb and Jacqueline Jaffee.

The Ross School District has two board members whose terms are ending: Megan Callahan and Kelly Dwinells.

The Ross Valley School District has three board members whose terms are ending: Shelley Hamilton, Rachel Litwack and Daniel Cassidy.

The Sausalito Marin City School District has two board members whose terms are ending: Lisa Bennett and Alena Maunder.

The Shoreline Unified School District has four trustees whose terms are ending: Thomas Tyson, Jill Manning, George Flores and Kylee Lang.

Services districts

The terms of three directors of the Bel Marin Keys Community Services District are coming to an end: Mercy Angelopoulos, Cheryl Furst and Christopher Fehring.

The Marin City Community Services District has two directors whose terms are ending: Lynnette Egenlauf and Henry Mims.

The Marinwood Community Services District has three directors whose terms are ending: Lisa Ruggeri, Kathleen Kilkenny and Christopher Case.

The Muir Beach Community Services District has two directors whose terms are ending: David Taylor and Nikola Tede.

The Tamalpais Community Services District has three directors whose terms are ending: Matthew McMahon, Steffen Bartschat and Steven Levine.

The Tomales Village Community Services District has two directors whose terms are ending: David Kitts and Donna Clavaud.

Fire districts

The Bolinas Fire Protection District has three directors whose terms are expiring: Chris Martinelli, William Pierce and Simon Dunne.

The Kentfield Fire Protection District has two directors whose terms are ending: Bruce Corbet and Michael Murray.

The Novato Fire Protection District has three directors whose terms are ending: L.J. Silverman, Michael Hadfield and Shane Francisco.

The Sleepy Hollow Fire Protection District has two directors whose terms are ending: Sharon Adams and Thomas Finn.

The Southern Marin Fire Protection District has three directors whose terms are ending: Cathryn Hillard, Ashley Raveche and Clifford Waldeck.

The Stinson Beach Fire Protection District has three directors whose terms are ending: James Ritchie, Robert Guidi and Jeffrey Walsh.

In the Tiburon Fire Protection District, the terms of Mark Capell and Joy Ho are ending, and there is a third open seat due to a vacancy. Ho was appointed to her seat, so that position has a shorter term than the other two.

Sanitary districts

In the Homestead Valley Sanitary District, the terms of Rick Montalvan, Alan Wuthnow and Joan Florsheim are ending.

In the Las Gallinas Valley Sanitary District, the terms of Gary Robards, Craig Murray and Barry Nitzberg are expiring.

The terms of two directors in the Novato Sanitary District are concluding: Jean Mariani and Gerald Peters.

In the Richardson Bay Sanitary District, the terms of Mark Slater and Jeffrey Slavitz are ending.

In the Sausalito-Marín City Sanitary District, the terms of William Ring, Donald Beers and Shirley Thornton are ending. Thornton holds a short-term seat.

In Sanitary District No. 5, which oversees service to parts of the Tiburon Peninsula and Belvedere, the terms of three directors are expiring: Richard Snyder, John Carapiet and Omar Arias-Montez.

In the Alto Sanitary District, the terms of Todd Gates, Janis Bosenko and Michael Faust are concluding.

Miscellaneous

In the Bolinas Community Public Utility District, the terms of Kevin McElroy and Kirsten Walker are ending.

In the Inverness Public Utility District, the terms of Dakota Whitney, Brent Johnson and Kathryn Donohue are coming to an end.

In the Mesa Park district in Bolinas, the terms of David Lich and Noah Skinner are ending.

In the Strawberry Recreation District, the terms of Pamela Bohner, Cale Nichols and Christian Michael are concluding. Michael holds a short-term seat.

The terms of three directors in the Marin Resource Conservation District — David Sherwood, Michael Moretti and Terry Sawyer — are ending.

The terms of two members of the Marin Healthcare District board — Ann Sparkman and Edward Alfrey — are coming to an end.

LOCAL APPEARANCE

Climate scientist evaluates Marin's fire, flooding risks

Discusses dramatic swing between drought, wet years



A firefighter extinguishes hotspots while battling the French Fire in Mariposa on July 5. NOAH BERGER -- THE ASSOCIATED PRESS



Daniel Swain from UCLA's Institute of the Environment and Sustainability speaks during a meeting at Marin County Prevention Authority offices to discuss climate change and wildfires in San Rafael. SHERRY LAVARS — MARIN INDEPENDENT JOURNAL

BY ADRIAN RODRIGUEZ

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Marin County is lucky to have evaded catastrophic wildfires and floods that have devastated parts of California, a well-known climate scientist said this week.

Daniel Swain, a UCLA scientist popularly known as “Weather West,” appeared Wednesday at a talk held by the Ecologically Sound Practices Partnership, a collaboration among Marin fire authorities and environmental organizations.

Swain, a San Rafael High School graduate, and Mark Brown, executive director of the Marin Wildfire Authority, discussed the effects of climate change on wildfire, specifically in the northern half of the state. The talk was held at the authority’s headquarters in San Rafael.

Swain said California is in an era of “megafire” as climate change pushes an increasingly dramatic swing between drought and rainy years, with “progressively drier and wetter extremes.”

Dry, hot conditions are stretching into late autumn, when the state often experiences strong offshore winds, which is of particular concern for Marin, he said.

“Autumn follows summer, and summer is the warm season when we know it hasn’t rained and when vegetation is at it’s driest,” he said. “And so it’s precisely when the vegetation is most flammable that we’re most likely to see wind events that put us in the upper end of the fire weather distribution.

“The risk here is a little more conditional and episodic,” he added. “The very worst plausible risks are super high. We don’t experience them often.” Because of that, it’s difficult to be prepared for the type of fire that could happen when conditions are primed for disaster, he said.

“The problem isn’t so much what’s happening in the ordinary years, the problem is what’s happening in the extraordinary years,” Swain said.

The discussion happened the same day Gov. Gavin Newsom warned Californians to be alert as the state heads into what could be a worse-than-expected fire season following a brutal heat wave that dried out vegetation and contributed to far more acres burning statewide than normal.

As of Thursday, 3,579 wildfires have burned nearly 220,000 acres across the state this season, according to Cal Fire. One death has been reported and more than 130 structures have been destroyed or damaged.

Swain said there are three main factors that fire frequency and intensity have magnified in recent years.

One is that today, there are more people living in fire-prone areas, increasing the risk of loss if there is a fire.

Second, land management and fire suppression policies over 100-plus years led to the elimination of beneficial prescribed burning that was once regularly performed by Indigenous people.

The third is that climate change is creating more severe conditions, he said.

In addition to the threat of fire in Marin there is also the flood risk, especially if extreme shifts between wet and dry years persist, Swain said.

The Ross Valley and areas of the Mount Tamalpais watershed are particularly susceptible to flooding, he noted.

As an example, Swain pointed to the devastation left by the Thomas fire that burned more than 281,800 acres and destroyed more than 1,000 structures in Santa Barbara and Ventura counties in December 2017.

After the conflagration burned for about a month, a powerful winter storm loosened the mud and debris in the burn-scarred areas in the Santa Ynez mountains.

A landslide pummeled through the town of Montecito, resulting in 23 deaths and the destruction of about 100 homes.

Brown, the former deputy chief of the Marin County Fire Department, was assigned to the incident management team that created the plan to suppress the Thomas fire.

He said that at the time, it wasn’t warm, so heat wasn’t a factor in the ignition of the fire.

But there were 17 “red flag” fire weather warning days issued by the National Weather Service, and there had been 11 months of no measurable rainfall, which set up the scene for explosive fire conditions, he said.

“It’s not just the back and forth but it’s also intensity that the fires are burning at that makes the soils so much more unstable,” Brown said.

Swain said the geology and geography are different enough in Marin that the debris flow risk is considerably lower.

“But you know, Marin County is at high risk of landslides and mudslides to begin with,” Swain said.

“So if there are large fires on steeper slopes, we’re going to see that risk.”

If there is a fire in the Mount Tamalpais watershed, there could be increased risk of flash flooding in the Ross Valley in the winters that follow, Swain said.

Earthquakes are another concern, Swain said.

“If we do get a big earthquake in the fall when it’s dry, the big risk is going to be fire in the Bay Area in general, and in particular in Marin County,” he said.

Swain said the point is not to scare people but “to avert some of those potential future losses that could otherwise occur.”

He encouraged the audience and fire officials to think creatively about vegetation management and fire prevention. He said already MWPA has worked hard to ensure fuel breaks throughout the county.

“Not everything can be prevented, but I think a lot of it can,” he said.

The Bay Area News Group contributed to this report.

Town to embark on major sewer revamp project

BY GIUSEPPE RICAPITO

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Corte Madera will launch a \$3.9 million sewer rehabilitation project in the Madera Gardens neighborhood this year.

The Sanitary District No. 2 board voted unanimously on Tuesday to release requests for bids on the project, which would rehabilitate the sanitary sewer system on several streets, including Lakeside Drive, Birch Avenue, Ash Avenue, Blue Rock Court, Mohave Court, Arrowhead Lane, Cheyenne Way, Navaho Lane and Apache Road.

The work is expected to last through 2025.

Sanitary District No. 2 is a subsidiary district to the town whose board members are also the members of the Town Council. The vote was taken as part of a consent calendar during a regularly scheduled meeting following the Town Council session on Tuesday.

The project aims to rehabilitate deficient sewer mains, manholes and other sanitary sewer infrastructure to reduce sewer infiltration in low-lying neighborhood.

Chris Good, a senior civil engineer with the town, said the intent of the project was to replace aging sewer infrastructure in a crucial area of town to precede needed road repairs. "We generally have one of these large projects every year," Good said. "This is the project for 2024."

Much of the pipes were original clay pipes, installed about 70 years ago, he said. Work is scheduled to begin in September and last about six months.

The estimate on the project is \$3.4 million. It includes a 10% construction contingency and a construction management estimate. The effort will cost the district approximately \$3.6 million. The town will pay \$380,000.

Mayor Eli Beckman registered his support for the project, noting it was "well considered." He said projects of this magnitude should be considered on the regular agenda.

"This is an important project to rehabilitate underground sewer lines in one of Corte Madera's largest neighborhoods," he said. "Projects like this provide many benefits to residents, including protecting public health and the environment, reducing the taxpayer bill for wastewater treatment, and upholding our obligation to prevent sewer spills."

The project will replace outdated sewer main pipes and manholes, reduce inflow and infiltration, and improve the district's collection system. It also includes regrading several sewer mains, which have settled over time. District staff hope that the work will reduce the frequency of cleaning and maintenance required by staff.

In 2010, the district completed work in the southern portion of Madera Gardens. In that project, the district replaced sewer mains and sewer laterals on Hickory Avenue, Walnut Avenue, and portions of Ash Avenue and Birch Avenue. Road repair was not considered during the sewer rehabilitation project.

The district manager will award the project to the lowest responsive and responsible bidder.

The decision was made to do so — as opposed to a further review by the board following receipt of bids — to allow for work to begin before weather-related delays expected in the winter.

The bid results and contractor award information will be posted to the district webpage after the award is made.

The roads in the entire Madera Gardens neighborhood have been identified as candidates for an as-yet-unplanned resurfacing project in early 2025 following the completion of the project.

The cost and design work of the resurfacing project is still forthcoming, Good said.

There is no estimate or construction schedule yet, he said.

“Once this under-road work is done, we’ll be able to repave the roads in Madera Gardens, which residents have been asking for, and I look forward to delivering on that as well,” Beckman said.

The district has a budget of about \$7.8 million for the 2024-25 fiscal year.

California needs a million charging stations, but that looks ‘unrealistic’



A Tesla Supercharger station in Corte Madera. A robust network of public chargers is essential to ensure that drivers will have the confidence to purchase electric vehicles. JUSTIN SULLIVAN — GETTY IMAGES, FILE

BY ALEJANDRO LAZO

CALMATTERS

California will have to build public charging stations at an unprecedented — and some experts say unrealistic — pace to meet the needs of the 7 million electric cars expected on its roads in less than seven years.

The sheer scale of the buildout has alarmed many experts and lawmakers, who fear that the state won't be prepared as Californians purchase more electric cars.

A million public chargers are needed in California by the end of 2030, according to the state's projections — almost 10 times more than the number available to drivers in December. To meet that target, 129,000 new stations — more than seven times the current pace — must be built every year for the next seven years. Then the pace would have to accelerate again to reach a target of 2.1 million chargers in 2035.

A robust network of public chargers — akin to the state's more than 8,000 gas stations — is essential to ensure that drivers will have the confidence to purchase electric vehicles over the next several years.

“It is very unlikely that we will hit our goals, and to be completely frank, the EV goals are a noble aspiration, but unrealistic,” said Stanford professor Bruce Cain, who co-authored a policy briefing detailing California’s electric vehicle charging problems. “This is a wakeup call that we address potential institutional and policy obstacles more seriously before we commit blindly.”

Under California’s landmark electric car mandate, a pillar of Gov. Gavin Newsom’s climate change agenda, 68% of all new 2030 model cars sold in the state must be zero emissions, increasing to 100% for 2035, when 15 million electric cars are expected in California.

“We’re going to look really silly if we are telling people that they can only buy electric vehicles, and we don’t have the charging infrastructure to support that,” said Assemblymember Jesse Gabriel, a Democrat from Encino who introduced a package of unsuccessful bills last year aimed at expanding access to car chargers.

“We are way behind where we need to be,” Gabriel told CalMatters.

Available statewide

Big obstacles stand in the way of amping up the pace of new charging stations in public places. California will need billions of dollars in state, federal and private investments, streamlined city and county permitting processes, major power grid upgrades and accelerated efforts by utilities to connect chargers to the grid.

State officials also are tasked with ensuring that charging stations are available statewide, in rural and less-affluent areas where private companies are reluctant to invest, and that they are reliable and functioning whenever drivers pull up.

In Pacific Gas & Electric’s vast service area, home to 40% of all Californians, electric car purchases are moving twice as fast as the buildout of charging stations, said Lydia Krefta, the utility’s director of clean energy transportation. Californians now own more than 1.5 million battery-powered cars.

Patty Monahan, who’s on the Energy Commission, the state agency responsible for funding and guiding the ramp-up, told CalMatters that she is confident that California can build the chargers its residents need in time.

The agency’s estimate of the current chargers is likely an undercount, she said. In addition, fast-charging stations could play a bigger role than initially projected, meaning hundreds of thousands of fewer chargers might be needed. Also, as the ranges and charging speeds on cars improve, there may be less demand for public chargers.

“California has a history of defying the odds,” Monahan said. “We have a history of advancing clean cars, clean energy, writ-large. We have naysayers left and right saying you can’t do it, and then we do it.”

On a September day last year, Monahan spoke behind a podium in the parking lot of a Bay Area grocery store. A row of newly constructed car chargers rose behind her.

“Let’s celebrate for a moment,” she said.

California had met its goal of 10,000 fast electric chargers statewide — two years ahead of a target set in 2018.

Fast chargers

Fast chargers like the new ones at the grocery store are increasingly seen as critical to meeting the needs of drivers. They can power a car to 80% in 20 minutes to an hour, while the typical charger in use today, a slower Level 2, takes from four to 10 hours.

But installing and operating fast chargers is an expensive business — one that doesn’t easily turn a profit.

Nationwide each fast charger can cost up to \$117,000, according to a 2023 study. And in California, it could be even more — between \$122,000 and \$440,000 each, according to a separate study, although the Energy Commission said the range was \$110,000 to \$125,000 for one of its programs.

Most of America’s publicly traded charger companies have been forced to seek more financing, lay off workers and slow their network build outs, analysts said. EVgo, for instance, has seen its share price crater, as has ChargePoint, which specializes in selling the slower, Level 2 hardware.

California stands apart from other states — it has by far the most chargers and electric car sales, and more incentives and policies encouraging them.

Tesla, America's top-selling electric car manufacturer, dominates fast-charging in both California and the U.S. — but the company didn't get into the business to sell charges to drivers; it got into the charger business to sell its electric cars. Initially Tesla Superchargers were exclusive to its drivers, but starting this year other EV drivers can use them after Tesla provided ports to Ford and other automakers.

Tesla's manufacturing prowess, supply chain dominance and decade-plus of experience with fast chargers have given it an edge over competitors — a coterie of unprofitable, publicly traded startups, as well as private companies that often benefit from public subsidies, according to analysts.

"All the automakers joined forces with their biggest competitor," said Loren McDonald, chief executive of the consulting firm EVAdoption. "If that doesn't tell you how bad fast-charging networks and infrastructure were, I don't know what else does."

Now Tesla is showing uncertainty about the future of its charging business amid slumping car sales, and eliminated nearly its entire 500-member Supercharger team in April. Then chief executive Elon Musk said in May that he would spend \$500 million to expand the network and hired back some fired workers.

Startups jump in

In California, Electrify America, a privately held company, was created by Volkswagen as a settlement for cheating on emissions tests for its gas-powered cars. The company is spending \$800 million on California chargers, building a robust network of 260 stations, with more than half in low-income communities, including the state's worst charging desert, Imperial County.

The problem is Electrify America was ranked dead last in a consumer survey last year, and its chargers have been plagued by reliability problems and customer complaints. The California Air Resources Board in January directed Electrify America to "strive to achieve charger reliability consistent with the state of the industry." A company spokesperson said the dissatisfaction showed "an industry in its growth trajectory." There are signs of improvement, based on consumer data from the first three months of this year.

Startups continue to jump into the charging business, with the number of companies offering fast chargers growing from 14 in 2020 to 41 in 2024, EVAdoption said. Seven carmakers formed a \$1 billion venture to build a 30,000-charger network in North America. And gas stations such as Circle K are offering more charging because electric car customers spend more time shopping while waiting for their rides to juice up.

But the realization that charging is a costly business has set in on Wall Street, and that doesn't seem likely to change anytime soon. "Can public EV fast-charging stations be profitable in the United States?" the consultancy McKinsey & Company asked.

"The fervor, the excitement from the investor base, has definitely dwindled quite a bit, given the prospects that EV adoption in the U.S. is going to be slower, revenue growth is really slower, the path to profitability is going to be slower, and they might need more capital than everyone originally expected," said Christopher Dendrinis, a financial analyst who covers electric car charging companies for the investment bank RBC Capital Markets.

Financial help

The stakes are high for California when it comes to encouraging investments in expensive fast chargers: If 63,000 additional ones were built, California might need 402,000 fewer slower Level 2 chargers in 2030, according to an alternative forecast by the Energy Commission.

Nationwide \$53 billion to \$127 billion in private investments and public funding is needed by 2030 to build chargers for about 33 million electric cars, according to a federal estimate. Of that, about half would be for public chargers.

Congress and the Biden administration have set aside \$5 billion for a national network of fast chargers. So far only 33 in eight locations have been built, but more than 14,000 others are in the works, according to the Federal Highway Administration. California's share of the federal money totals \$384 million; about 500 fast chargers will be built with an initial \$40.5 million, said Energy Commission spokesperson Lindsay Buckley.

In addition, the state has spent \$584 million to build more than 33,000 electric car chargers through its Clean Transportation Program, funded by fees drivers pay when they register cars. The Legislature extended that program for an additional decade last year.

Newsom has committed to spending \$1 billion through 2028 on chargers with his “California Climate Commitment,” Buckley said. But this year Newsom and the Legislature trimmed \$167 million from the charger budget as the state faces a record deficit. A lobbyist for the Electric Vehicle Charging Association said “the state pullback sends a very challenging message” to the industry.

California’s commitment to charger funding is “solid,” despite the cuts, Buckley said. They have not yet estimated the total investment needed in California to meet the targets.

But Ted Lamm, a UC Berkeley Law researcher who studies electric car infrastructure, said the magnitude of building what California needs in coming years likely dwarfs the public funding available.

State and federal programs will “only fund a fraction,” and the state needs to spend that money on lower-income communities, he said.

Major barrier

Another possible funding source is California’s Low Carbon Fuel Standard, which is expected to be revised in November. The program requires carbon-intensive fuel companies to pay for cleaner-burning transportation. Utilities get credits and use that money to pay for chargers, rebates to car buyers and grid improvements, said Laura Renger, executive director of the California Electric Transportation Coalition, which represents utilities.

“I think with that, we would have enough money,” Renger said. She said the program’s overhaul could help utilities invest “billions” in chargers and other electric car programs over the next two decades.

One of the biggest barriers to more chargers isn’t money. It’s that cities and counties are slow to approve plans for the vast number of stations needed.

State officials only have so much political power to compel local jurisdictions to do what they want — a reality made abundantly clear by the housing crisis, for instance. California relies on grants and persuasion to accomplish its goals, and the slow buildout of chargers shows how those strategies can fall short, said Stanford’s Cain.

“The locals cannot be compelled by regulatory agencies to make land and resources available for what the state wants to achieve,” Cain said.

The same obstacles have marked the state’s broader effort to electrify California and switch to clean energy. Local opposition and environmental reviews sometimes hold up large solar projects and transmission projects for years.

California has created a “culture of regulation that emphasizes the need to be extra careful and extra perfect, but this takes an incredible amount of time,” Steve Bohlen, senior director of government affairs at Lawrence Livermore National Laboratory, said last month at the inaugural hearing of the state Assembly’s Select Committee on Permitting Reform.

“We’re moving into a period of rapid change, and so perfect can’t be the enemy of the good.”

Delays costly

Chargers aren’t as complicated as large-scale solar or offshore wind projects. But most chargers installed in public spaces do need a land-use or encroachment permit, among other approvals. California has passed laws requiring local jurisdictions to streamline permits for chargers. What’s more, the Governor’s Office of Business Development now grades cities and counties using a scorecard and maintains a map displaying who has, or hasn’t, made life easier for car charger builders. But these strategies only go so far.

“It doesn’t matter how many requirements you put on (local governments),” Lamm said. “If they just don’t have the time in the day to do it ... it’s going to sit in the backlog, because that’s how it works.”

The delays have consequences. Getting a station permitted in California, on average, takes 26% longer than the national average, Electrify America reported. Designing and constructing a station in California can cost on average 37% more than

in other states because of delays in permitting and grid connections. A utility on average takes 17 weeks after work is completed to connect chargers to the grid, Electric America said.

Powering large charging projects often requires grid upgrades, which can take a year or more for approval, said Chanel Parson, a director at Southern California Edison. Supply chain issues also make getting the right equipment a challenge.

Edison, which has a 10-year plan to meet expected demand, has asked the utilities commission for approval to upgrade the grid where it anticipates high charging demand.

“Every EV charging infrastructure project is a major construction project,” Parson said. “There are a number of variables that influence how long it takes to complete the project.”

Charging speeds

Inspired to help the nation reduce its dependence on fossil fuels, Zach Schiff-Abrams of Los Angeles bought a Genesis GV60. As a renter, he has relied on public charging, primarily using Electrify America stations — and that’s been his biggest problem about owning an electric car.

Charging speeds have been inconsistent, he said, with half-hour sessions providing only a 15 to 30% charge, and he often encounters broken chargers.

“I believe in electrical, so I’m really actually trying to be a responsible consumer,” Schiff-Abrams said. “I want to report them when they’re down, but the customer service is horrible.”

For years, the reliability of charging networks has been a well-documented problem. Only 73% of fast chargers in the San Francisco Bay Area were functional in a 2022 study. The growth of the EV market has put increasing strain on public charging stations, a consumer survey found.

In January, the California Air Resources Board approved a final \$200 million spending plan for Electrify America — but not before board chair Liane Randolph scolded its CEO.

Randolph — arguably one of America’s top climate regulators — told CEO Robert Barrosa about an exchange she had with his company’s customer service line after finding a broken charger at a station along Interstate-5.

“It didn’t work,” Randolph said during the board meeting. “Called the customer service line, waited like 10-ish minutes. ... (The charger) was showing operable on the app and the guy goes, ‘oh, my data is showing me that it has not had a successful charge in three days.’”

“These issues are not easy,” Barrosa responded. “Our head is not in the sand,” he told board members earlier. “We are listening to customers.”

But Randolph, addressing journalists at a conference in Philadelphia, pushed back against the idea that because the transition to electric vehicles is happening gradually that it’s a failure. Many people will rely on charging at home or work, and batteries are becoming more efficient.

“The infrastructure is continuing to be rolled out at a rapid pace,” Randolph said. “It doesn’t all have to be perfect instantly. It’s a process. And it’s a process that’s continuing to move.”

This story was originally published by CalMatters and distributed through a partnership with The Associated Press.

Neighborhood Garage Sales

The Really Big Garage Sale

• Jim Walsh, jim@jamesAwalsh.com, 415-492-0100

The Really Big Community Garage Sale Returns, Saturday, September 14. If you get home using N. San Pedro Road, you are invited to participate. Simply call the offices of Jim Walsh (415-492-0100) and leave the following info: 1) Your name and address, 2) the address where you will display, and 3) your phone and email. You will be contacted with a brief questionnaire to highlight your offerings and to be included in the area map and descriptive advertising, and thereby drive more traffic to you!

Santa Venetia Neighbors Helping Neighbors

• Shelley Cooper, Coopershelley50@gmail.com

SVNHN will be holding another amazing yard sale this fall. Proceeds of the sale fund our annual scholarship for a Santa Venetia Senior attending Terra Linda High School.

The sale will be held mid-October at 36 Meadow Drive. Watch for our colorful signs along North San Pedro Road for date and time!

We would be interested in accepting items for the sale such as decorative and household items in good condition (glassware, utensils, dishes, small appliances), games/ toys, and tools. No books or clothing please. We cannot accept large pieces of furniture.

Contact me if you have items to donate:

Coopershelley50@gmail.com



Second Saturday Medians

• Nanni Wurl, 415-472-3269

Our June Median Day was a roaring success. The best ever!

First, we had a wonderful new helper, **Kim Hansard**, who joined our usual Crew: **Mandie McCabe**, **Wayne Lechner**, and **Helen & Carl Sitchler**. Kim did a great job clipping the hedge on the Median between Birch and La Pasada. Wayne and Mandie weed-whacked while Carl & Helen, assisted by yours truly, pruned and did clean-up. Kim helped too. **Laurie Steese**, our most devoted donor, helped with our lunch expense. But the cherry on the sundae was **Brian Hughes**, who drove by and offered to take our clippings. When I asked him how many sheets (we put our stuff in sheets) and his answer was everything, we all froze in astonishment. He had to repeat the offer. We were on cloud nine. Our gratitude will last a long time. Thank you, Brian.

FYI, Wayne and I started watering the Medians. Two unpleasant things happened: first, somebody stole the water key from my Median. Thankfully, Wayne was able to go to the County Yard and they gave him a new key (thanks to County Parks!). Second, somebody hit the ceanothus between the oleander and the box towards Schmidt. Neither Wayne nor I have a high opinion of the drivers who run over our Medians!

The July workday was almost another no-go, for 2/3 of the Median Crew were unable to work. But Wayne did not accept defeat. Being another Median fanatic, I joined him. We decided to work on my Median, next to Meadow, for we knew we could do the job. I started the hatchet job on the big miniature marigold for I am encouraging the Pride of Madeira to take over. They are gorgeous when in bloom, the bees love them, and they are drought resistant. Wayne and I were satisfied when our work was finished.

SRCS Surplus Property and the McPhail's School Site

We received good news, so hold on to your hats and your hopes!

"Pazala and SRCS are now formally engaged in negotiations regarding the purchase of the MacPhail property. The confidential negotiations are scheduled to reach conclusion by September 15, 2024."

It's been a long time coming. We've been hoping for and working towards keeping this site as a community asset for over 30 years. We've had many unrealized opportunities and bends in the road and we are so excited and look forward to reimagining what can be achieved.

Thanks to everybody who participated in this process. Thanks to **Jack West & Christina Manansala** and **Crystal Yezman & Robin Leigh Kessler** for all their work and initiative in getting us to this point. Thanks to the smaller McPhail's Working Group (**Mary Hanley, Linda Levey, Jon Metcalf, Shelley Sweet, Gina Hagen, Joyce Clements, Bonnie Monte, Gary Robards, Mark Wallace, Terri Leker, and Giselle Block**) for all their time and input. As we all know, it takes a village! Thanks to neighbors for your advocacy, for passing out flyers, and for signing up on the website with your donations and your comments.



And thanks to everyone who attended the many SRCS (San Rafael City School)

Board Meetings to remind them of our desires and to advocate for this proposal.

For more information and to add your voice and dollars, visit www.svcommons.org

Marin Transit News



• Raymundo Vidaure, rvidaure@marintransit.org, 415-226-0865

Stay Mobile with Marin Access!: Are you 65 or older, or have a disability? Marin Access is your key to independence! Our specialized transportation programs and services are designed to keep you moving comfortably and safely around Marin County. Marin Access offers a variety of programs and a friendly team of Travel Navigators to help you understand your transportation options. Visit www.marinaccess.org or call the Travel Navigators at 415-454-0902 for more information.

¡Manténgase móvil con Marin Access!: ¿Tiene 65 años o más o tiene una discapacidad? ¡Marin Access es su clave para la independencia! Nuestros programas y servicios de transporte especializados están diseñados para que pueda moverse de manera cómoda y segura por el condado de Marin. Marin Access ofrece una variedad de programas y un equipo amigable de Travel Navigators para ayudarle a comprender sus opciones de transporte. Visite www.marinaccess.org o llame a los Travel Navigators al 415-454-0902 para obtener más información.

One Foot At a Time RN FOOT CARE

Can't reach your feet to cut your nails? Are your thick nails and callouses affecting your gait? Let an RN take care of your Feet. Laurie will cut your nails, smooth your callouses, assess lower extremity circulation, check for peripheral vascular disease, and give you a foot and calf massage. Chair massage, alignment and posture work, Swedish Table Massage, Shiatsu and Polarity Work available. Office or home visits available. Laurie Steese RN CMT

415-491-4914 lsteese@gmail.com 415-244-0795

Community Meeting Past – May 29, 2024

Marin County Fair and SV Commons at McPhail's

• Linda Levey and Terri Leker

After opening with a quick discussion about neighborhood drainage, SVNA President **Gina Hagen** gave a shout-out to the SVNA Board Members, encouraged attendees to similarly consider serving, and to renew their memberships. She also invited everyone to attend our next SVNA Community Meeting – National Night Out on August 6 at 6:30pm.

Turning to Committees and Advisory Boards, Gina reiterated the importance of community participation, thanking **Isabella Danel** and other members who have stepped up. Bella Santa Venetia still needs a Chair to organize events, and CSA #18 (Parks) and CSA #6 (Dredging) need additional members. Please reach out if you'd like to get involved.

Our first speaker was **Gabriella Calicchio**, Director of Cultural Services for Marin County, who discussed the Marin County Fair (7/3/24 – 7/7/24) and ongoing construction. The parking lot is ready for the Fair, but there are still outstanding infrastructure and safety issues in the Veteran's Auditorium. They currently expect to reopen that building by the end of 2025.

The Fair's water-centric theme was "Make a Splash." The music line-up and special events included LGBTQ+ Pride Day, Latin Heritage Day, Butterfly Kingdom, animal events, 4H projects, Master Gardeners, Pig Races, Tractor Pull, fireworks, 28 free carnival rides, food, and vendors. An ad hoc Accessibility Committee is learning how to make the Fair more accessible; this year they created an ADA Concierge Lounge in the exhibit hall to offer quiet space. Q&A topics included accessibility, fireworks vs drones, and nutritious food vs junk food. Thank you to Gabriella for coming, and for generously donating two sets of Fair tickets for our member raffle.

Gina gave an update on the **McPhail's School** site, explaining that the **San Rafael City School District** (SRCS) made a Proprietary Offering to Public Entities and Non-Profits with a 6/30/24 deadline for offers to be submitted. A neighborhood Working Group has been discussing this site with SRCS for years with the goal of creating a community space. A recently created non-profit, **Santa Venetia Community Center**, is working with another neighborhood non-profit to put in an offer to procure. You may have seen or received a flyer with more information.

Our next speakers were **Crystal Yezman** and **Robin Lee Kessler**, who created [Santa Venetia Commons](#) after hearing about the offering and worked diligently on a proposal to retain the property as a community resource and avoid inappropriate development. Crystal was the Director of Engineering for **Marin Water** and is a member on the **LGVSD** Board. Robin specializes in all aspects of digital marketing and content creation. Santa Venetia has historically lacked community amenities and services, and McPhail's is an opportunity to cultivate a treasure.

They presented a general vision for McPhail's as a space for community gatherings, events, art, recreation, and entertainment, where neighbors, residents, students, and groups can connect, play, and embrace the beauty of the wetlands. The site includes a sensitive freshwater pond and a crucial wildlife corridor, and has long served as a de facto park for baseball and kickball games, Tai Chi, and more.

Two non-profits, **Santa Venetia Community Center** (SVCC) and **Pazala**, are working together to purchase and develop SV Commons. Key components would include a community center, environmental restoration of wetlands and freshwater pond, connecting **Heron Hill** Trail to Open Space Preserve, indoor and outdoor event spaces, senior programs, after-school kids' programs for kids, a community garden, and solar panels. The entire space could potentially operate energy-independently,

completely off the grid. They are exploring partnering with other non-profits for workshops and programs.

The short- and long-term timeline includes neighborhood advocacy, negotiation the purchase agreement, entering escrow, finalizing purchase, planning, environmental review, permitting, and construction. And of course fundraising, fundraising, fundraising. Ultimately, the goal is a community center that generations of families can enjoy. As of the meeting, they'd received 173 signatures and more than 90 comments on the web page.

Crystal and Robin are very excited to engage the community in the process and work collaboratively to create a space that best supports the neighborhood, post-acquisition. They thanked the SVNA, the **McPhail's Working Group**, and everyone who helped get the word out, spoke with community leaders, and attended and commented at school board meetings.

Q&A included continuity of the wildlife corridor, preserving the site vs a huge housing development, preserving the building footprint, decision-making, costs and/or assessments, protection and privacy for neighbors, and lots and lots of thanks from everyone!



Mark & Ann enjoy their winning raffle tickets!

Gina and the attendees gave Crystal and Robin a round of applause.

The raffle for SVNA members was a collaborative effort by **Linda Levey** and **Gary Robards**. Final winners were **Chuck Von Schlascha** and **Mark Wallace**, who each won two tickets and one poster for the Marin County Fair. Thanks to **Gabriella Calicchio**, **Libby Garrison**, and the **Marin Center** for this generous donation!

And we all said good night!

You can listen to the entire audio presentation of this meeting here:

<https://tinyurl.com/3j2uad42>

and view the SV Commons PowerPoint presentation here: <https://tinyurl.com/2jiff2c5>. Don't forget to visit www.svcommons.org to add your support for the McPhail's Community Center project.

CSA #18 (Parks) Advisory Board Meeting

• Gina Hagen and Linda Levey

A special meeting was held in May to finalize safety upgrades on the path at **Pueblo Park**. Many thanks to **Marin County Parks** for chipping in Measure A Funds to help us close the funding gap, complete the project, and save the carob tree. We voted to approve funds for this project to be completed in the near future.

At our last regularly scheduled meeting, we voted to approve funding for pathway renovations at **Castro Park**. These improvements have been completed so everyone should have an easier time getting around the park.

New native plants have been planted on **The Promenade** this spring. They are looking good and seem to be surviving the hot summer. This has been a problem area for quite a while so this is great news.

Our next meeting will be September 25 at 3pm. For more information, visit <https://tinyurl.com/y2bebue3>

Mark Your Calendars / Save the Date!

SVNA Community Meeting (via Zoom)

Assemblymember Damon Connolly

Tuesday, September 24, 2024 at 7pm

SVNA COMMUNICATOR JULY/AUGUST 2024

Look out for SB 610!

This new law would eliminate Fire Hazard Severity Zones and create new "Hazard Mitigation Areas" to allow housing development without any consideration of existing communities, infrastructure, fire suppression, water supplies, housing density, or ignition sources. In other words, instead of strengthening safety protections, this law puts us at more risk. These changes are overtly made to increase development potential in areas currently considered high risk.

SB 610 slipped under the radar and can only be stopped by the full Assembly floor vote in August. Please alert our Board of Supervisors and other elected representatives that they should actively OPPOSE this law, which will affect their constituents' safety.

Please submit your comments to our representatives:

Marin County Board of Supervisors

Email: BOS@marincounty.org

Email our Supervisor: Mary.Sackett@marincounty.gov

Senator Mike Mc Guire

Contact Form: <https://sd02.senate.ca.gov/contact>

Assemblymember Damon Connolly

Email: Assemblymember.connolly@assembly.ca.gov

Contact Form: <https://a12.asmdc.org/contact>

Governor Gavin Newsom

Email: gavin.newsom@gov.ca.gov

Email/Copy Chief of Staff Ann O'Leary: ann.oleary@gov.ca.gov

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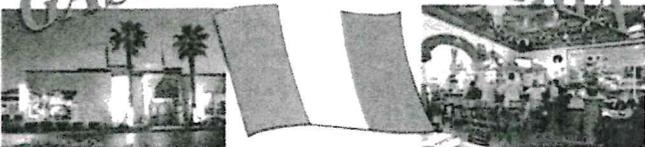
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Marin County Fair Visit 2024

• Marilyn Bagshaw and Tes Lazzarini

The Marin County Fair has been an annual affair for **Marilyn Bagshaw** and her sister who have attended since they were children. Back then it was held at the Marin Art & Garden Center, before it moved to its current location. **Gary Robards** has gone yearly with either his nieces, nephews, sons, and/or wife since he moved here over forty years ago.

On Opening Day, July 3, senior citizens had free admission, so Marilyn, her sister, and Gary and his wife all made their way to the Civic Center Lagoon. Marilyn and her sister took refuge from the heat in the Exhibit Hall and the Showcase Theater. In addition, they enjoyed two bands performing on the Community Stage: **The**



Drumheads, who engaged children from the audience, and **Leslie Freed**, of **Bogie's Restaurant**, who sings and plays guitar with the **Roadrunners**. The sisters also found shelter under a tree and enjoyed some fair food of crepes and iced tea.

As they all wandered the aisles of the Exhibit Hall, Marilyn, her sister, Gary, and his wife enjoyed the decorated chairs, artwork, and plants. However, they missed the baked goods competition, quilts, and other handicrafts, and children's creative writing, which, in prior years, were located in the rooms and hallway off of the main entrance.

Gary and his wife ventured outdoors to walk around the vendor booths and over to the Clover Sonoma Barn Yard, but unfortunately the Fur and Feathers indoor area was closed until later in the afternoon. The Pig Races did not fit into their schedule, there were very few farm animals in the yard, and they left the crowded Petting Zoo to young families. The Master Gardeners' tent moved to the Barnyard and did have small landscape exhibits. They were nice but did not compare to the ones that graced the area when the Floral Exhibit was by the Giant Ferris Wheel. There was a Treasure Hunt for kids which seemed to keep young minds busy. The Master Gardeners were the best, very communicative, and helpful when answering garden care questions.

All missed the fiddler contest which no longer exists, and they couldn't find the Butterfly Exhibit, which is hidden away along the backside of the Marin Auditorium.

They also missed the paper maps, which used to be available when entering the Fair, helping to guide attendees.

Though neither stayed for the fireworks, both enjoyed watching the night sky light up with a terrific, varied, colorful display. They missed music the first night and could barely hear it the second evening. Marilyn and her husband went over to the Margarita Island Bridge and joined numerous Santa Venetia residents who watch from there yearly. Gary and his wife enjoyed them from their back deck.



Good Food, Good Neighbors - Don't forget, **Gaspare's Pizzeria** is the place to go for a wonderful meal! Visit www.gasparespizzeria.com for current hours, menu, and information. You can also order online for pick-up and delivery. A big THANK YOU to Danny, Gaspare, and Robin for their ongoing support of the SVNA and our neighborhood.

Options in pump project expand

Water utility reviews new sites for station

BY ADRIAN RODRIGUEZ

ARODRIGUEZ@MARINIJ.COM

The North Marin Water District has new options to consider in its plan to replace an aging water pump station in Novato, a project that has generated community opposition.

Four sites have entered the mix as potential places where the pump station could be built, allowing the district to retire the nearly 60-year-old station near Lynwood Elementary School.

The district identified the new sites because its stated preference — a spot called “Site 2” on a city-owned greenway — was protested by neighbors. The greenway runs along Arroyo San Jose Creek near Ignacio Boulevard and Palmer Drive.

The new options were presented to the board at a meeting on July 16.

“The general consensus was to proceed with a deeper dive with those additional sites, to do more research to determine if there any fatal flaws,” said Tony Williams, general manager of the water district.

The project will likely involve one primary pump station and a secondary pump station at a separate site.

One option, referred to as “Site 6,” involves a primary pump station in the Ignacio Hills neighborhood off Ignacio Boulevard south of the Pacheco Plaza Shopping Center. It would involve about 7,500 feet of piping along Ignacio Boulevard and side streets.

A second option would place a primary pump station at “Site 12” on Alameda Del Prado, north of Posada Del Sol and up against Highway 101. It would involve 700 feet of piping under Highway 101 and 1,800 feet of discharge piping along Alameda Del Prado and side streets.

The third new location, “Site 15,” is on a district-owned parcel in the area of Lynwood Hill Park. A project there would require 950 feet of suction piping and 1,250 feet of discharge piping to be installed along Parkwood Drive and other side streets.

The other new option is “Site 22,” a county-owned lot at Calle Arboleda and Via Herbosa. Connecting the site to the district’s system would require about 3,650 feet of suction piping and 500 feet of discharge piping to be installed along Alameda de la Loma, Ignacio Boulevard and other side streets.

An environmental analysis initially concluded that Site 2 is the preferred location because it would yield the most benefit.

As proposed, a project at Site 2 would involve the construction of a 1,188-square-foot pump station and 3,750 linear feet of new piping to connect the station. If the district approves this option, the Novato City Council would need to agree to sell the land or grant an easement.

But neighbors say it would be an eyesore in a tree-lined linear park and that noise and vibration from a permanent pump operation could disturb the community.

Amid protests at a meeting in March, the board said it was premature to remove the site from consideration without having confidence that the district would find something better. The board decided in May to do more study to find out, resulting in the four new options.

Williams said Site 12 would have similar benefits to Site 2. Because it is up against the freeway with fewer residences nearby, it appears to be the most promising new option, winning some preliminary support from residents.

Peter Chuck, who lives near the Site 2 greenway, launched an online petition collecting 350 signatures against the plan for a pump station in his neighborhood. Chuck said the move to look at more options is “absolutely a positive development.”

"If they come up with a new pump station next to the freeway, problem solved, it's not in my front yard anymore," Chuck said.

Resident Leonard Shaw says he too hopes that Site 12 pans out.

"A pump station is not going to create any more noise there than the freeway creates, so it won't be a new disturbance to the neighbors of the property," Shaw said. "It's a far better site from my perspective."

Site 12 is owned by AT&T, and if the plans proceeded there, it would likely involve the district acquiring the property. Eric Miller, assistant general manager of the water district, said it has reached out to AT&T about the developing proposal, but declined to share more.

"We cannot provide detail about property acquisition at this time," Miller said.

District staffers are expected to return to the board in September or October with a recommendation to advance one or two of the primary sites for further evaluation, Williams said.

The district serves about 60,000 residents in the greater Novato area as well as about 1,800 residents in areas of western Marin. The Lynwood pump station serves approximately 25% of the district's customers, staff said.

MMWD work on water storage project resumes

BY ADRIAN RODRIGUEZ

ARODRIGUEZ@MARINIJ.COM

A \$25 million water storage project in the Ross Valley area is resuming this month after a pause due to environmental and weather restrictions, the Marin Municipal Water District said.

The project, which began last summer, will decommission the century-old Pine Mountain Tunnel used as a water storage tank, and replace it with two 2-million-gallon storage tanks for treated water. The tanks will be on the western side of Concrete Pipe Road near Bolinas and Sky Oaks roads on the outskirts of Fairfax.

The 9,000-foot-long Pine Mountain Tunnel was built in 1919 to transport raw water from the Alpine Lake reservoir to Cascade Canyon for drinking water. After new water treatment standards were implemented in the late 1960s, the tunnel was disconnected from Alpine Lake and repurposed in 1971 to store up to 3 million gallons of treated water.

A risk assessment performed by the district in 2019 found that the tunnel had one of the highest risks of failure from disasters such as earthquakes, which could threaten water supply and fire response for Ross Valley communities. The tunnel was also found to have cracks, resulting in water loss.

“The project is increasing our resiliency, making sure our storage is seismically strong,” said Alex Anaya, director of engineering. “And it’s increasing storage for supply and for fire protection.”

The project will be completed in two phases.

The work underway is part of phase one, which is estimated at about \$5.27 million, Anaya said. Maggiora & Ghilotti has been hired to prepare the site for the new storage tanks through grading work and building a 420-foot-long soil nail wall to stabilize the nearby hillside.

The project will require the district to remove 45,000 cubic yards of soil, or enough to fill more than 2,800 dump trucks. About 5,000 cubic yards of topsoil will be hauled to a landfill to prevent the potential spread of a pathogen that causes sudden oak death disease.

The loaded trucks will be tarped and will take a one-way route through the watershed and exit out of Natalie Coffin Greene Park. The work will result in the temporary closure of some parking spaces at the park.

The remaining soil will be deposited at Bullfrog Quarry, with some being used to create the soil nail wall. The first phase is set for completion in early 2025.

Road and trail access will be limited near the construction site on weekdays during construction hours. Mount Tamalpais visitors are encouraged to review notices from the district at marinwater.org/visiting-mt-tam before making the trip.

The larger second phase, set to begin next summer, will build the new water tanks and cap off Pine Mountain Tunnel. Anaya said the district plans to advertise work for phase 2, estimated at about \$20 million, later this year.

Construction of the tanks is expected to continue on a seasonal basis through January 2029.

Some Fairfax residents have raised concerns about the impact of the project on a nearby Carey Camp Creek, a portion of which lies within Elliott Nature Preserve, a home for endangered and threatened animals. They think leaks from the tunnel have been a primary reason for the year-round flow of the creek, a tributary to the San Anselmo Creek.

Concerned neighbors say they fear that Carey Camp Creek will dry up and the water district should prepare some sort of plan to keep it flowing.

Scott Davis said the creek is a habitat for yellow legged frog, rainbow trout and steelhead trout, and a water source relied upon by northern spotted owls and the dusky-footed wood rat.

"It's a really valuable ecosystem for plants and animals in that area," Davis said. "Bottom line, it would be really a shame to lose this beautiful area."

In response, Jessie Underhill, spokesperson for the district, said, "This legacy infrastructure is more than 100 years old."

"There is some leakage that is inherent to the age of the infrastructure," Underhill said. "Eliminating the loss of water from those leaks is a significant benefit of these infrastructure investments."

Sandy Guldman, president of Friends of Corte Madera Creek Watershed, said it is still unclear how much the leaky tunnel contributes to the creek's supply, or if it's actually groundwater that fills the channel.

Guldman said there is riprap that blocks fish migration, so if the creek runs dry there would be nowhere for them to swim. A fix would involve a lengthy study and lots of money, she said.

Guldman said that while she would like to see robust flow in the creek, "we will not support the transfer of water from Lagunitas watershed to Carey Camp Creek. It does more good in Lagunitas Creek."

"Right now we are biding our time to see what happens when that tunnel is closed, emptied and abandoned," Guldman said.

Key water supply might drop 23% within 20 years

BY IAN JAMES

LOS ANGELES TIMES

Climate change threatens to dramatically shrink the amount of water California can deliver over the next 20 years and could reduce supplies available from the State Water Project by up to 23%, according to new projections released by Gov. Gavin Newsom's administration.

The analysis by the California Department of Water Resources released last week examined a range of climate change scenarios and projected that by 2043, the massive network of reservoirs and canals that supply more than half the state's population could decline between 13% and 23%.

Such a loss in the State Water Project's water-delivery capacity, if not addressed, could lead to major shortages for much of the state, including Southern California.

"The SWP was designed for the climate of the 20th century," said John Yarbrough, the project's deputy director. "It's going to need continued investment to get it in a place where it's really able to function with the hydrology of the future."

State officials analyzed how rising temperatures are likely to affect the existing water infrastructure without any adaptation measures. They said the expected losses in the system's capacity show a need to invest in projects intended to boost supplies, such as the state's plan to build the new Sites Reservoir and a water tunnel beneath the Sacramento-San Joaquin River Delta.

In addition to serving 27 million people, the State Water Project supplies roughly 750,000 acres of farmland.

According to the report, current infrastructure will be able to deliver less water in the coming years as rising temperatures bring more intense droughts, decreased snowpack, more extreme storms, and more precipitation falling as rain rather than snow. Changes in the timing of runoff are also expected to create challenges. And sea level rise is likely to complicate water managers' efforts to manage salinity levels and meet water quality standards in the delta.

The estimates were included in a report that the state publishes every two years. The last update in 2021 projected a 9% decrease in the State Water Project's future water supplies because of climate change. The latest projections include a more detailed analysis of different climate scenarios.

Newsom and other state officials have for years called for upgrading the state's water infrastructure to adapt to warming driven by the burning of fossil fuels and rising levels of greenhouse gases.

In 2022, Newsom presented a plan calling for California to prepare for an estimated 10% decrease in the state's water supply by 2040.

The State Water Project transports water across more than 700 miles through a series of reservoirs, aqueducts, pipelines and pumping plants from Northern California to Southern California.

The current infrastructure, which was built in the 1960s, includes massive pumps that draw water from the delta and send it flowing into the California Aqueduct. Water exports from the delta have decreased since 2008, partly because of changing regulatory requirements and protections for threatened fish species.

State officials said there is considerable uncertainty in future regulatory requirements and climate conditions, but that the analysis show a large reduction of the water supply is likely. The more severe scenario would bring average losses of 496,000 acre-feet of water a year, enough to supply more than 1.7 million homes.

Karla Nemeth, director of the Department of Water Resources, said the analysis "underscores the need to modernize and upgrade our aging infrastructure so we can capture water supplies when it's wet."

In a letter presenting the report, Nemeth said the latest review "unmistakably demonstrates substantial reductions" in the project's delivery capacity if no action is taken.

“Immediate action is imperative to address the impact of a warming climate,” she wrote.

State officials have been seeking to advance plans for the 45-mile water tunnel, which would create a second route to draw water from the Sacramento River into the aqueducts of the State Water Project.

In May, the Newsom administration announced that the cost of building the proposed tunnel is \$20.1 billion, and that a state analysis concluded the projected benefits of the project would far outweigh the costs.

Opponents of the proposed Delta Conveyance Project have argued the state’s analysis is flawed and underestimates the costs while overestimating the benefits.

Environmental groups, Indigenous tribes, fishing organizations and local agencies have filed lawsuits seeking to block the project.

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NOV. 5 ELECTION

PACKED BALLOT

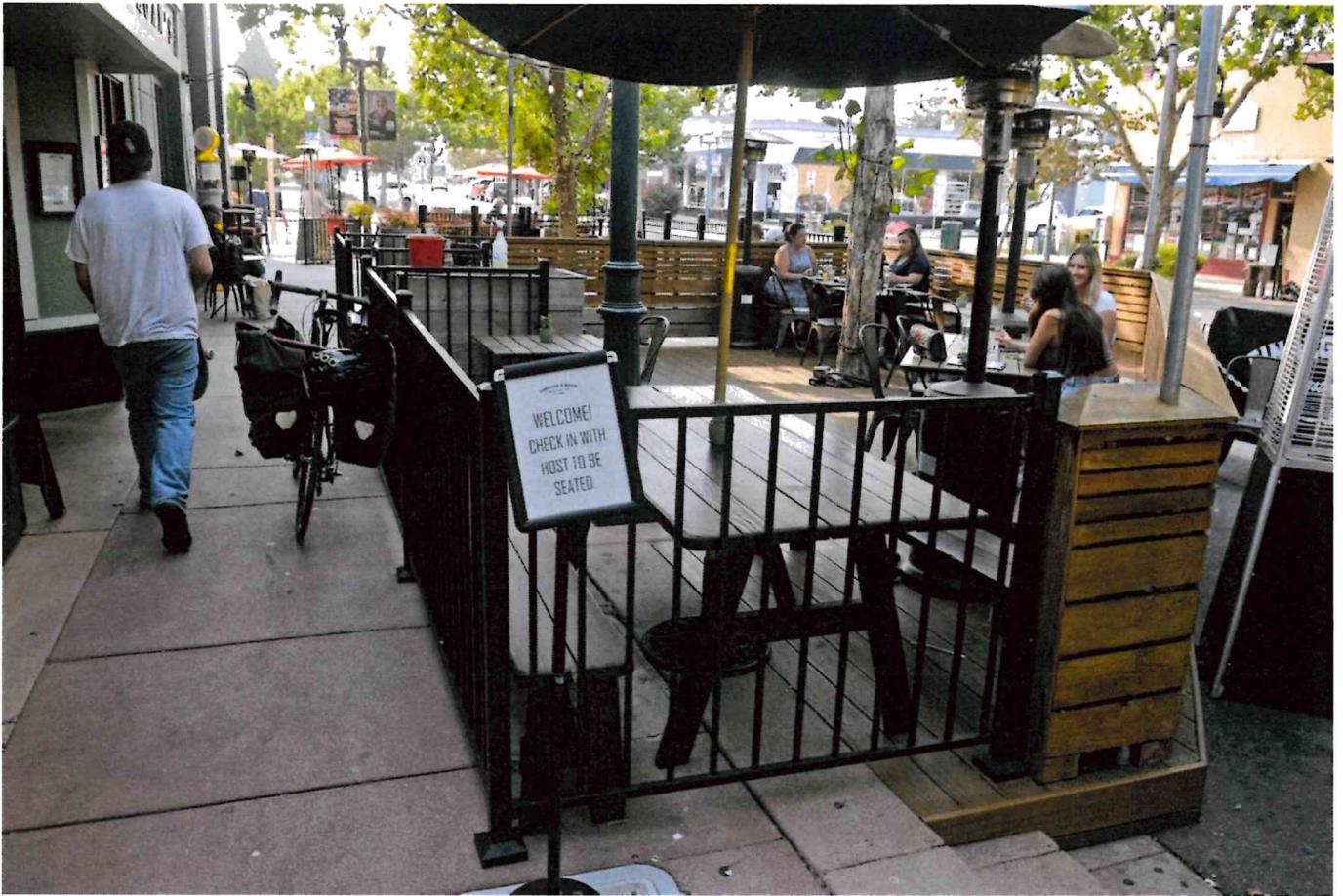
marin Voters to decide initiatives, races Housing bond, rent measures, city and school taxes proposed



A construction crew works on a residential project in San Rafael in 2022. California voters will be asked to approve the largest affordable housing bond in state history. SHERRY LAVARS — MARIN INDEPENDENT JOURNAL



Demonstrators rally in support of rent control in Fairfax in June 6. Voters in three Marin municipalities will be given the option of either scrapping recently passed rent-control ordinances or making them stricter. ALAN DEP — MARIN INDEPENDENT JOURNAL



Diners eat along Grant Avenue in the Old Town section of Novato, one of the city's busier commercial areas. The city is asking voters to raise its sales tax from 8.5% to 9.25%. ALAN DEP — MARIN INDEPENDENT JOURNAL, FILE

BY RICHARD HALSTEAD

RHALSTEAD@MARINIJ.COM

Marin residents will be asked to decide the fate of more than a dozen initiatives on the Nov. 5 ballot, many of them involving housing.

Along with voters across the state, Marin voters will be asked to approve the largest affordable housing bond in California history. The \$20 billion bond measure would cost property owners an estimated \$18.98 per \$100,000 of assessed valuation annually through fiscal year 2077-78. Paying off the principal and interest on the bonds would cost more than \$48 billion.

"This is an unaffordable housing bond with the big winners being developers and the regional bureaucracy," Mary Stompe, a member of the Marin Coalition of Sensible Taxpayers, wrote in an email.

The bond proceeds could be used to build housing that would be affordable to residents earning up to 120% of the area median income, or AMI.

"No other housing program subsidizes housing for a Marin family of four making \$223,900," wrote Stompe, retired executive director of PEP Housing, a nonprofit promoting home affordability. "This means that anyone making an average income or lower will be subsidizing housing via higher taxes for people making much more than they."

Stompe added that \$4 billion of the bond would go to "a new housing agency for its overhead and discretionary use, when we already have multiple housing agencies across the region."

Leelee Thomas, deputy director of the Marin County Community Development Agency, had a different view.

"While county funds can serve workforce with incomes up to 120% of AMI, a local expenditure plan will prioritize how funds will be used," Thomas said. "So far, we are hearing from community members who think extremely low-income

households should be prioritized.”

Thomas said that if the measure passes, Marin County and local municipalities would divvy up \$699 million to fund new housing. County supervisors have already allotted \$450,000 to create a plan to spend the money and an additional \$80,000 for public outreach, which began this month.

Normally the measure would require two-thirds voter support for passage. However, the Legislature placed a constitutional amendment on the Nov. 5 ballot that would lower the voter threshold to 55% for measures proposing affordable housing bonds. That means that if the constitutional amendment passes, the housing bond will only require 55% support to pass.

Local rent rules

Voters in three Marin municipalities will be given the option of either scrapping recently passed rent-control ordinances or making them stricter. In each case, the support of a majority of the voters is required for the measure to pass.

In Fairfax, the Town Council adopted a rent-control ordinance in 2022. After facing blowback, the council amended the ordinance increasing the cap from 60% of the regional consumer price index to 75%. It also adjusted some of the just-cause-for-eviction rules. In November, Fairfax residents will get to decide whether to keep the ordinance or scrap it.

Fairfax residents will also vote on whether they want to continue electing their town clerk or convert the office to a position appointed by the town manager or the council. The autonomy of the town clerk became an issue recently when Deputy Town Clerk Christine Foster, who is appointed, declined to answer basic questions about the rules and requirements of filing a recall petition.

Foster said she was not permitted to answer questions until after they had been screened by the town manager and town attorney. Fairfax’s elected town clerk, Michele Gardner, retired last year, and Foster has been filling both roles in the interim.

In San Anselmo, residents also will vote on whether to keep their rent-control ordinance, which the Town Council approved by a 3-2 vote in April. The ordinance limits annual rent increases to 5%, or 60% of the consumer price index, whichever is lower. The ordinance applies to properties with three or more dwellings on the same parcel, or contiguous parcels under common ownership.

San Anselmo voters will have the option of doubling down on rent control by approving a separate ordinance that would enact tenant protections. This ordinance would penalize landlords of properties with three or more dwellings who terminate a tenancy due to no fault of the tenant. Offending landlords would be required to pay relocation compensation to tenants who are required to move and provide the right to return to the dwelling on similar terms if the landlord rents again within five years.

In Larkspur, the City Council adopted an ordinance last year that capped annual rent increases at 5% plus inflation, or 7%, whichever was lower. In March, Larkspur voters narrowly upheld the ordinance after critics qualified a ballot referendum. On Nov. 5, voters will be asked if they want to make the ordinance tougher by reducing the annual cap to 60% of the consumer price index, or 3%, whichever is lower.

Tax measures

Residents in Novato and Mill Valley will be asked to approve increases in their sales taxes. Both measures require the support of a majority of voters to pass.

Novato voters will be asked to approve a three-quarter percent sales tax hike to address the city’s structural deficit. The city closed the 2023-24 fiscal year with a \$3.3 million deficit after running deficits the prior three years, and the city’s recently approved 2024-25 budget has a \$4.3 million deficit. With annual deficits exceeding \$3 million projected in future years, the city expects to exhaust its general fund reserves by the end of the 2026-27 fiscal year.

Novato’s sales tax is 8.5%. The city estimates that the tax hike would bring in about \$10.3 million a year. The tax increase does not include a sunset provision.

Mill Valley voters will be asked to approve a 1% sales tax increase for 10 years to pay for city infrastructure and services such as public safety and libraries, sewers and storm drain maintenance, and street and road programs. The city’s sales tax rate is currently 8.25%.

A city-appointed committee recently estimated that Mill Valley needs to generate \$150 million to \$180 million over the next 10 to 15 years to bolster its rapidly declining infrastructure. The tax is expected to bring in about \$4.2 million per year.

Residents in Fairfax and San Rafael will also be asked to approve tax measures for community projects.

Fairfax voters will be asked to approve an \$180 million bond measure to raise funds for repairing some of the town's most heavily used roads. If the measure passes, property owners would pay approximately \$30 per \$100,000 of assessed value for 30 years. The support of two-thirds of the voters is necessary for approval, unless the state constitutional amendment passes and lowers the threshold to 55%.

The bond-funded plan focuses on the main routes through town, including Sir Francis Drake Boulevard, Bolinas Road, Center Boulevard, Broadway, Laurel Drive, Scenic Road, Willow Avenue and Porteous Avenue.

San Rafael voters will decide if they want to approve a parcel tax to fund the construction of a new main library and community center in the Albert Park neighborhood. Approval of the measure would result in an annual tax of 14.5 cents per square foot of improved building area for 30 years and \$75 per vacant lot. The tax is expected to collect \$6.37 million annually for 30 years. The support of a majority of the voters is required for passage.

Marin schools

Five schools districts are seeking approval from voters for tax measures. Three of the schools are proposing bond measures that would require the support of 55% of voters for passage.

The Tamalpais Union High School District is returning to voters with a request to approve a \$289 million bond after failing to win support for a \$517 million bond in March. If the measure passes, the annual tax would be \$18 per \$100,000 of assessed valuation per property.

The proceeds would be used to make repairs to the district's five high schools, including new roofs, replacements for worn and potentially dangerous synthetic athletic turf fields and deteriorating swimming pool surfaces. Also, the district would improve heating and cooling systems, disability accommodations, plumbing and information technology systems.

The Kentfield School District is asking voters to approve the issuance of \$48 million in bonds to be used to repair and upgrade Bacich Elementary School and Kent Middle School. If the measure is approved, the tax would be \$29 per \$100,000 of assessed value per year.

Residents living in the Petaluma Joint Union High School District, which includes a small slice of Marin voters, will be asked to approve a \$159 million bond measure to make a number of repairs and upgrades to classrooms. If the measure passes, the tax will be \$30 per \$100,000 of assessed value.

Two other school districts are proposing parcel taxes, both of which require the support of two-thirds of voters for passage.

Voters in the Bolinas-Stinson Union School District will be asked to renew the district's parcel tax, which expires on June 30, 2025. The measure proposes renewing the tax for another five years. The tax would be \$390 per parcel the first year and increase 3% per year. People 65 or older would be exempt. It's estimated the tax would generate \$682,500 annually.

Voters in the Sausalito Marin City School District are being asked to approve its first parcel tax. The measure would assess an annual tax of 15 cents per square foot for each residential or commercial building for eight years. The assessment would be capped at buildings of 23,000 square feet. Owners of unimproved parcels would pay a flat tax of \$25.

Residents in the Stinson Beach Fire Protection District are being asked to approve a parcel tax to fund fire protection and emergency services. Residents of the district would be required to pay 42 cents per improved square foot of property. The tax, which does not have a sunset date, could be increased at the discretion of the district's board by up to 3% annually. It would generate an estimated \$700,000 in annual revenue. Two-thirds support is required for passage.

Voters in the fire district are also being asked to approve an adjustment of the district's appropriation limit. The vote is necessary to comply with the Gann Appropriations Limit, established by Proposition 4 in 1979. The measure will enable the district to spend money that is already being collected; it proposes no new fee or tax. The support of a majority of voters is required for passage.

Number of seats at stake in cities, schools, districts around county

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Candidates have filed papers to run for scores of local offices up for grabs in the Nov. 5 general election in Marin.

Friday was the initial deadline for filing to run, but there is an extension to Aug. 14 for positions where an incumbent officeholder has not filed.

In addition to a runoff election for the District 2 Board of Supervisors seat between Brian Colbert of San Anselmo and Heather McPhail Sridharan of Kentfield, the election will include contests for municipal council seats, school board seats and board seats at the Marin Municipal Water District, the Marin County Board of Education, the Marin Community College District and the Marin Healthcare District.

Municipal councils

Fairfax Town Council: Frank Egger, Mike Ghiringhelli, Cindy Swift and Douglas Kelly and incumbents Barbara Coler, Bruce Ackerman and Chance Cutrano all filed to compete for three seats. Egger previously served 10 four-year terms on the council, including seven terms as mayor. Ghiringhelli is also a former council member.

Tiburon Town Council: Chuck Hornbrook, Andrew Thompson and incumbents Holli Thier and Isaac Nikfar have filed to compete for two seats.

Novato City Council: incumbent Tim O'Connor filed for the District 3 seat. Incumbent Mark Milberg filed for the District 5 seat. James Petray and Kevin Jacobs filed for the District 1 seat held by Susan Wernick.

Sausalito City Council: Steven Woodside and incumbents Ian Sobieski and Melissa Blaustein filed to compete for three openings. Incumbent Janelle Kellman did not file.

San Anselmo Town Council: Kurt Johnson, Guy Meyer and incumbent Eileen Burke filed. There are three seats available. Incumbents Alexis Fineman and Brian Colbert did not file.

Mill Valley City Council: incumbents Urban Carmel and Caroline Joachim filed to seek re-election. Incumbent James Wickham did not file.

Larkspur City Council: incumbents Gabe Paulson and Scot Candell filed for the two full-term seats available. Lana Scott and Sarah Margulies filed to compete for a third short-term seat available due to the death of councilmember Kevin Carroll in March.

Belvedere City Council: Pat Carapiet, Kevin Burke and incumbent Sally Wilkinson have filed. There are three seats available. Incumbents James Lynch and Nancy Kemnitzer have not filed.

Corte Madera Town Council: incumbent Fred Casissa has filed to seek re-election and incumbent Charles Lee has not.

San Rafael City Council: incumbent Maika Llorens Gulati filed to seek re-election in District 1. Mark Galperin and incumbent Rachel Kertz filed to compete in District 4. Mahmoud Shirazi filed to challenge Mayor Kate Colin, who filed to seek re-election. City Attorney Robert Epstein and City Clerk Lindsay Lara filed for re-election without opponents.

Education boards

The terms of four of the seven trustees on the Marin County Board of Education are ending. Adam McGill and Barbara Zarate filed to run for the Area 1 seat held by Li Delpan, who did not file. Incumbent Patricia Garbarino was the only candidate to file for the Area 2 seat. Victoria Canby filed for the Area 4 seat held by Fel Agrelius, who did not file. Denise Bohman and Jill Manning filed for the Area 7 seat held by Clairette Wilson, who did not file.

The terms of three members of the Marin Community College District board are ending. Crystal Martinez filed for the Area 2 seat held by incumbent Philip Kranenburg, who did not file. Incumbent Paul Da Silva was the only person to file for the Area 4 seat. No one filed for the Area 5 seat held by Crystal Martinez. Ross Millerick and incumbent Stephanie O'Brien filed for the Area 7 seat.

San Rafael: the terms of three Board of Education trustees are ending. In Area 1, incumbent Mark Koerner did not file. In Area 3, only incumbent Maureen de Nieva filed. In Area 5, incumbent Marina Palma did not file.

Tamalpais Union High School District: Amos Klausner filed, but the two incumbents — Karen Loebbaka and Leslie Harlander — did not.

Bolinas-Stinson Union School District: incumbent Nicolette Hahn filed and incumbent Georgia Woods did not.

Miller Creek School District: Sivan Oyserman and incumbents Francesco Ruggeri and Alissa Chacko filed for full-term seats. Incumbent Caitlin McShane filed for a short-term seat.

Kentfield School District: incumbent David Riedel filed and incumbent Sara Aminzadeh did not.

Laguna Joint School District: incumbent James Lanatti filed and incumbent Diane Rowley did not.

Lagunitas School District: Breeze Kinsey filed and incumbents Richard Sloan and Denise Bohman did not.

In the Larkspur-Corte Madera School District, Charles Furcolo, Rachel Hudson, Ava Fruin and incumbent Beth Blair filed and incumbent Annie Sherman did not.

Mill Valley School District: the incumbents Elli Abdoli and Michele Crncich Hodge filed.

Nicasio School District: Matthew Pickett filed and incumbent Daniel Ager did not.

Novato Unified School District: Area 1 incumbent Debbie Butler filed. In Area 2, Chandra Alexandre filed and incumbent Ross Millerick did not. In Area 3, incumbent Julie Jacobson filed. In Area 7, incumbent Gregory Mack filed.

Reed Union School District: incumbent Liz Webb and Sandeep Sahai filed. Incumbent Jacqueline Jaffee did not.

Ross School District: Vinay Patel, Erin Earls and incumbent Kelly Dwinells filed. Incumbent Megan Callahan did not.

Ross Valley School District: Phillip Feffer and incumbents Shelley Hamilton, Rachel Litwack and Daniel Cassidy filed for three available seats.

Sausalito Marin City School District: Rebecca Lytle and Danielle Diego filed and incumbents Lisa Bennett and Alena Maunder did not.

Shoreline Unified School District: incumbent Thomas Tyson filed for the Area 1 seat. Area 2 incumbent Jill Manning did not file. Area 3 incumbent George Flores filed, while incumbent Kylee Lang did not.

Water districts

Two of the five seats on the Marin Municipal Water District board are up for grabs in the November election. The terms of Larry Russell and Monty Schmitt are ending.

Robert Sandoval and Jack Kenney filed for the Division 2 seat; incumbent Schmitt did not file. Dave Keatley filed for the Division 5 seat, as did longtime incumbent Larry Russell.

For the North Marin Water District board, Mary Stompe and incumbent Kenneth Eichstaedt filed for the Division 1 seat. Incumbent Jack Baker filed for the Division 2 seat. Francis Drouillard and incumbent Michael Joly filed for the Division 3 seat. Incumbent Stephen Pettele filed for the Division 4 seat.

For the Stinson Beach County Water District board, incumbent Sandra Cross filed, while incumbents Barbara Boucke and Lance Meade did not.

Services districts

Bel Marin Keys Community Services District: James Spaulding, Natalia Shorten, Kevin Dugan, David Bartnicki and incumbents Mercy Angelopulos and Cheryl Furst filed. Three seats are available.

Marin City Community Services District: Royce McLemore and incumbents Lynnette Egenlauf and Henry Mims filed. Two seats are available.

Marinwood Community Services District: incumbents Lisa Ruggeri, Christopher Case and Kathleen Kilkenny filed.

Muir Beach Community Services District: the two incumbents David Taylor and Nikola Tede filed.

Tamalpais Community Services District: Courtney Di Carlo and incumbents Steven Levine, Matthew McMahon and Steffen Bartschat filed. Three seats are available.

Tomales Village Community Services District: incumbents David Kitts and Donna Clavaud filed.

Fire boards

Bolinas Fire Protection District: incumbents Chris Martinelli, William Pierce and Simon Dunne filed.

Kentfield Fire Protection District: incumbents Bruce Corbet and Michael Murray filed.

Novato Fire Protection District: incumbents L.J. Silverman, Michael Hadfield and Shane Francisco filed.

Sleepy Hollow Fire Protection District: incumbents Sharon Adams and Thomas Finn filed.

Southern Marin Fire Protection District: Rich Riechel and incumbents Cathryn Hilliard, Clifford Waldeck and Ashley Raveche filed. Three seats are available.

Stinson Beach Fire Protection District: Michele Sileo and incumbents James Ritchie and Jeffrey Walsh filed. Incumbent Robert Guidi did not.

Tiburon Fire Protection District: incumbents Brett Tucker and Mark Capell have filed for full-term seats. Incumbent Joy Ho filed for a short-term seat.

Sanitary districts

Homestead Valley Sanitary District, incumbents Rick Montalvan, Alan Wuthnow and Joan Florsheim filed.

Las Gallinas Valley Sanitary District, incumbents Craig Murray and Gary Robards filed for full-time seats. Nicholas Lavrov and incumbent Barry Nitzberg filed for one available short-term seat.

Novato Sanitary District, incumbents Jean Mariani and Jerry Peters filed.

Richardson Bay Sanitary District, incumbents Mark Slater and Jeffrey Slavitz filed.

Sausalito-Marín City Sanitary District: incumbents William Ring and Donald Beers filed for full-term seats. Incumbent Shirley Thornton filed for a short-term seat.

Sanitary District No. 5: incumbents Richard Snyder, John Carapiet and Omar Arias-Montez filed.

Alto Sanitary District: incumbents Janis Bosenko and Todd Gates filed, while incumbent Michael Faust did not.

Miscellaneous

Bolinas Community Public Utility District: board incumbents Kevin McElroy and Kirsten Walker filed.

Inverness Public Utility District: board incumbents Dakota Whitney, Brent Johnson and Kathryn Donohue filed.

Mesa Park Recreation District in Bolinas: board incumbents David Lich and Noah Skinner filed.

Strawberry Recreation District: board incumbents Christian Michael and Cale Nichols filed for full-term seats; Pamela Bohner, who holds the other full-term seat, did not file. Sarah Waterfield filed for the short-term seat.

Marin Resource Conservation District: board incumbents Michael Moretti and David Sherwood filed, while incumbent Terry Sawyer did not.

Marin Healthcare District board: incumbents Edward Alfrey and Ann Sparkman filed.