



The Mission of the Las Gallinas Valley Sanitary District is to protect public health and the environment by providing effective wastewater collection, treatment, and recycling services.

DISTRICT BOARD
Megan Clark
Rabi Elias
Craig K. Murray
Judy Schriebman
Crystal J. Yezman

DISTRICT ADMINISTRATION
Mike Prinz,
General Manager
Michael Cortez,
District Engineer
Mel Liebmann,
Plant Manager
Greg Pease,
Collection System/Safety Manager
Dale McDonald,
Administrative Services Manager

BOARD MEETING AGENDA

April 1, 2021

On March 12, 2020, Governor Newsom issued Executive Order N-25-20, which enhances State and Local Governments' ability to respond to COVID-19 Pandemic based on Guidance for Gatherings issued by the California Department of Public Health. The Executive Order specifically allows local legislative bodies to hold meetings via teleconference and to make meetings accessible electronically, in order to protect public health. In light of this, April 1, 2021 meeting of the LGVSD Board will be held via Zoom electronic meeting. There will be NO physical location of the meeting. Due to the current circumstances, there may be limited opportunity to provide verbal comments during the meeting. Persons who wish to address the Board for public comment or on an item on the agenda are encouraged to submit comments in writing to the Board Secretary (tlerch@lgvsd.org) by 5:00 pm on Wednesday, March 31, 2021. In addition, Persons wishing to address the Board verbally must contact the Board Secretary, by email (tlerch@lgvsd.org) and provide their Name; Address; Tel. No.; and the Item they wish to address by the same date and time deadline for submission of written comments, as indicated above. Please keep in mind that any public comments must be limited to 3 minutes due to time constraints. Any written comments will be distributed to the LGVSD Board before the meeting.*

**Prior to the meeting, participants should download the Zoom app at:*

<https://zoom.us/download> A link to simplified instructions for use of the Zoom app is:

<https://blog.zoom.us/wordpress/2018/07/03/video-communications-best-practice-guide/>

REMOTE CONFERENCING ONLY

Join Zoom Meeting online at:

<https://us02web.zoom.us/j/86477118389>

OR

By teleconference at: +16699009128 Meeting ID: 864 7711 8389

**MATERIALS RELATED TO ITEMS ON THIS AGENDA ARE AVAILABLE FOR
PUBLIC INSPECTION ON THE DISTRICT WEBSITE WWW.LGVSD.ORG**

NOTE: Final board action may be taken on any matter appearing on agenda

Estimated
Time

OPEN SESSION:

3:30 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.

3:35 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 March 10, March 16 and March 18, 2021
- B. Approve the Warrant List for April 1, 2021
- C. Approve Clark attending the virtual CSDA Legislative Days May 18-19, 2021
- D. Approve Schriebman attending the virtual CSDA Legislative Days May 18-19, 2021
- E. Approve Secondary Anaerobic Digester Cleaning Services Contract Award
- F. Approve Contract Amendment 1 to Brown and Caldwell for Additional Peer Review Engineering Services during STPURWE Construction

Possible expenditure of funds: Yes, Items B – F.

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

3:45 PM

3. INFORMATION ITEMS:

STAFF/CONSULTANT REPORTS:

- 1. General Manager Report – Verbal
- 2. District Correspondence – Written
- 3. Receive Preliminary Cost of Sewer Service and Rate Study Presentation

4:45 PM

4. PROPOSED ORDINANCE 186 – TITLE 2, CHAPTER 10 SANITARY CODE OF THE LAS GALLINAS VALLEY SANITARY DISTRICT

Board to set a Public Hearing Date for Ordinance 186, an Ordinance to Add Chapter 10, Accessory Dwelling Units and Junior Accessory Units to Title 2, District Regulations of the Ordinance Code of the Las Gallinas Valley Sanitary District.

5:00 PM

5. DRAFT 2020-2025 STRATEGIC PLAN

Board to review The 2020-2025 Strategic Plan document with 2021 Tactical Goals.

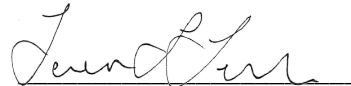
- 5:40 PM 6. PUBLIC COMMENT**
 This portion of the meeting is reserved for persons desiring to address the Board on matters not on the agenda and within the jurisdiction of the Las Gallinas Valley Sanitary District. Presentations are generally limited to three minutes. All matters requiring a response 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.
- 5:45 PM 7. BOARD MEMBER REPORTS:**
1. CLARK
 - a. NBWA Board Committee, 2021 Admin Building Ad Hoc Committee
Other Reports
 2. ELIAS
 - a. NBWRA, Ad Hoc Engineering Committee re: STPURWE, 2021 GM Evaluation
Ad Hoc Committee, 2021 Admin Building Ad Hoc Committee, Other Reports
 3. MURRAY
 - a. Marin LAFCO, CASA Energy Committee, 2021 GM Evaluation Ad Hoc Committee,
2021 Legal Services Ad Hoc Committee, Marin Special Districts Association, Other Reports
 4. SCHRIEBMAN
 - a. Gallinas Watershed Council/Miller Creek Watershed Council, JPA Local Task Force
NBWA Tech Advisory Committee, Other Reports
 5. YEZMAN
 - a. Flood Zone 7, CSRMA, Ad Hoc Engineering Committee re: STPURWE
Engineering Subcommittee, 2021 Legal Services Ad Hoc Committee Other Reports
- 6:05 PM 8. BOARD REQUESTS:**
- A. Board Meeting Attendance Requests – Verbal
 - B. Board Agenda Item Requests – Verbal
 - C. Pending Board Agenda Item Requests
 - i. INFORMATION - Pump Station Vegetation and Safety Report
 - ii. ACTION - Relocation Assistance Act Policy for Real Estate Acquisitions
 - iii. INFORMATION – ERAF Allocation/Formula
 - iv. INFORMATION – Marsh Pond Long Term Vegetation Management Comments
 - v. ACTION – Employee Climate Report
- 6:10 PM 9. VARIOUS INDUSTRY RELATED ARTICLES**
- 6:15 PM 10. ADJOURNMENT**

FUTURE BOARD MEETING DATES: APRIL 9, APRIL 15, AND MAY 6, 2021

AGENDA APPROVED:	Crystal J. Yezman, Board President	Patrick Richardson, Legal Counsel
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CERTIFICATION: I, Teresa Lerch, District Secretary of the Las Gallinas Valley Sanitary District, hereby declare under penalty of perjury that on or before March 29, 2021 at 3:30 p.m., I posted the Agenda for the Board Meeting of said Board to be held April 1, 2021 at the District Office, located at 101 Lucas Valley Road, Suite 300, San Rafael, CA.

March 26, 2021



Teresa L. Lerch
District 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.

MEETING MINUTES OF MARCH 10, 2021

THE BOARD OF DIRECTORS AND STAFF OF THE LAS GALLINAS VALLEY SANITARY DISTRICT MET IN OPEN SESSION BY ZOOM CONFERENCE ON MARCH 10, 2021 AT 4:33 PM AT THE DISTRICT OFFICE, 101 LUCAS VALLEY ROAD, SUITE 300, SAN RAFAEL, CALIFORNIA.

- BOARD MEMBERS PRESENT:** M. Clark (arrived at 4:39 pm), R. Elias, C. Murray, J Schriebman and C. Yezman
- BOARD MEMBERS ABSENT:** None
- STAFF PRESENT:** Mike Prinz, General Manager; Teresa Lerch, District Secretary; Dale McDonald, Administrative Services Manager, Sahar Golshani, Laboratory Services Director;
- OTHERS PRESENT:** Pat Richardson, District Counsel; Alyssa Thompson, Koff & Associates; Gregory Ramirez, IEDA; Carl Carr, OE3;
- ANNOUNCEMENT:** President Yezman that the agenda had been posted as evidenced by the certification on file in accordance with the law
1. **PUBLIC COMMENT:** None

2. CLASSIFICATION DESCRIPTIONS UPDATE

Staff and Alyssa Thompson from Koff & Associates presented the revised title and four redlined Classification Descriptions developed to the Board. Discussion ensued.

ACTION:

Board approved (M/S Clark/Schriebman 5-0-0-0) the redlined title and classifications developed by Koff & Associates as part of their Classification Study Final Report dated February 23, 2021, incorporating recommended changes presented with the updated summary report and tabling the approval of the Environmental Services Manager and Laboratory Analyst classifications.

AYES: Clark, Elias, Murray, Schriebman and Yezman.
NOES: None.
ABSENT: None.
ABSTAIN: None.

ACTION:

Board approved (M/S Schriebman/Clark 5-0-0-0) the balance of the title and classifications developed by Koff & Associates as part of their Classification Study Final Report dated February 23, 2021 that were presented on March 3, 2021 and that were not redlined and brought back to the Board at this meeting.

AYES: Clark, Elias, Murray, Schriebman and Yezman.
NOES: None.
ABSENT: None.
ABSTAIN: None.

3. CLOSED SESSION:

ACTION:

THE BOARD OF DIRECTORS OF THE LAS GALLINAS VALLEY SANITARY DISTRICT ADJOURNED TO CLOSED SESSION ON MARCH 3, 2021 , AT 5:23 PM, BY ZOOM CONFERENCE AND AT THE DISTRICT OFFICE, 101 LUCAS VALLEY ROAD, SUITE 300, CONFERENCE ROOM, SAN RAFAEL, CALIFORNIA.

Lerch, Golshani and Carr left the meeting at 5:23 pm.

CONFERENCE WITH LABOR NEGOTIATOR – Agency designated representative : Gregory Ramirez, IEDA; Employee organization: IUOE Local 3: pursuant to Government Code Section 54957.6

ADJOURNMENT:

ACTION:

The Board of Directors of the Las Gallinas Valley Sanitary District reconvened the Regular Session on March 10, 2021 at 7:01 pm.

REPORT ON CLOSED SESSION: President Yezman reported that there were no reportable actions in Closed Session.

4. ADJOURNMENT:

ACTION:

Board approved (M/S Schriebman/Clark 5-0-0-0) the adjournment of the meeting at 7:03 PM.

- AYES: Clark, Elias, Murray, Schriebman and Yezman.
- NOES: None.
- ABSENT: None.
- ABSTAIN: None.

The next Board Meeting is scheduled for March 18, 2021 3:30 PM at the District Office.

ATTEST:

Teresa Lerch, District Secretary

APPROVED:

Megan Clark, Board Vice-President

SEAL

MEETING MINUTES OF MARCH 16, 2021

THE BOARD OF DIRECTORS AND STAFF OF THE LAS GALLINAS VALLEY SANITARY DISTRICT MET IN OPEN SESSION BY ZOOM CONFERENCE ON MARCH 16, 2021 AT 3:05 PM AT THE DISTRICT OFFICE, 101 LUCAS VALLEY ROAD, SUITE 300, SAN RAFAEL, CALIFORNIA.

- BOARD MEMBERS PRESENT:** M. Clark, R. Elias, C. Murray, J Schriebman and C. Yezman
- BOARD MEMBERS ABSENT:** None
- STAFF PRESENT:** Mike Prinz, General Manager; Teresa Lerch, District Secretary; Dale McDonald, Administrative Services Manager;
- OTHERS PRESENT:** Pat Richardson, District Counsel; Alyssa Thompson, Koff & Associates; Gregory Ramirez, IEDA;
- ANNOUNCEMENT:** President Yezman that the agenda had been posted as evidenced by the certification on file in accordance with the law
1. **PUBLIC COMMENT:** None

2. CLOSED SESSION:

ACTION:

THE BOARD OF DIRECTORS OF THE LAS GALLINAS VALLEY SANITARY DISTRICT ADJOURNED TO CLOSED SESSION ON MARCH 16, 2021 , AT 3:06 pm, BY ZOOM CONFERENCE AND AT THE DISTRICT OFFICE, 101 LUCAS VALLEY ROAD, SUITE 300, CONFERENCE ROOM, SAN RAFAEL, CALIFORNIA.

Lerch left the meeting at 3:06 pm.

CONFERENCE WITH LABOR NEGOTIATOR – Agency designated representative : Gregory Ramirez, IEDA; Employee organization: IUOE Local 3: pursuant to Government Code Section 54957.6

ADJOURNMENT:

ACTION:

The Board of Directors of the Las Gallinas Valley Sanitary District reconvened the Regular Session on March 16, 2021 at 3:39 pm.

REPORT ON CLOSED SESSION: President Yezman reported the Koff & Associates Total Compensation Report has been accepted by the Board and the Board authorized its release to the Labor Management Committee.

3. ADJOURNMENT:

ACTION:

Board approved (M/S Murray/Elias 5-0-0-0) the adjournment of the meeting at 3:40 pm.

- AYES: Clark, Elias, Murray, Schriebman and Yezman.
NOES: None.
ABSENT: None.
ABSTAIN: None.

The next Board Meeting is scheduled for March 18, 2021 3:30 PM at the District Office.

ATTEST:

Teresa Lerch, District Secretary

APPROVED:

Megan Clark, Board Vice-President

SEAL

MEETING MINUTES OF MARCH 18, 2021

THE BOARD OF DIRECTORS OF THE LAS GALLINAS VALLEY SANITARY DISTRICT MET IN OPEN SESSION BY ZOOM CONFERENCE ON MARCH 18, 2021 AT 3:32 PM AND STAFF BY ZOOM CONFERENCE AT THE DISTRICT OFFICE, 101 LUCAS VALLEY ROAD, SUITE 300 CONFERENCE ROOM, SAN RAFAEL, CA. 94903

BOARD MEMBERS PRESENT: M. Clark, R. Elias, C. Murray, J. Schriebman and C. Yezman (arrived 4:18 pm)

BOARD MEMBERS ABSENT: None.

STAFF PRESENT: Mike Prinz, General Manager; Teresa Lerch, District Secretary; Dale McDonald, Administrative Services Manager; Greg Pease, Collections and Safety Manager; Irene Huang, Associate Engineer

OTHERS PRESENT: Pat Richardson, District Counsel, Gerald Fejarang and Adam Butler, Kennedy Jenks; Brandon Wright, Centricity;

ANNOUNCEMENT: President Yezman 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 March 3 and March 4, 2021
- B. Approve Clark attending WateReuse Symposium March 1 to April 23, 2021
- C. Approve Murray attending Lead and Copper Rule Revision Webinar on Feb 23, 2021
- D. Approve Murray attending ICMA Webinar Response to Emergencies that Impact All Citizens on March 17, 2021
- E. Approve Board Compensation for February, 2021
- F. Approve the Warrant List for March 18, 2021
- G. Approve Application of Allocation of Capacity for APN 175-093-01 848 Tamarack Drive ADU

Items C, E, F and G were pulled for discussion. Clark and Elias forgot to add a February 26 Admin Building Ad Hoc Committee meeting to their February 2021 compensation document. This will be added to their March Compensation.

ACTION:

Board approved (M/S Schriebman/Elias 4-0-1-0) the Consent Calendar items A through G.

AYES: Clark, Elias, Murray and Schriebman
NOES: None.
ABSENT: Yezman
ABSTAIN: None.

- d. Marin County Special Districts Association – verbal report
 - e. Other Reports– Written report – Pumping Energy Efficiency for Water System Optimization
4. SCHRIEBMAN
- a. Gallinas Watershed Council/Miller Creek Watershed Council– verbal report
 - b. JPA Local Task Force– no report
 - c. NBWA Tech Advisory Committee– no report
 - d. Other Reports- verbal report- California Coast Commission Webinar
5. YEZMAN
- a. Flood Zone 7– verbal report
 - b. CSRMA– no report
 - c. Ad Hoc Engineering Committee– no report
 - d. Other reports – none

President Yezman announced per Board Policy B-40-20 Board Committees, she is appointing an Ad Hoc Committee to review Board Policy B-160 Legal Counsel and take such action as deemed necessary and appropriate for the Committee under Subsections B-160-20 Selection Process and B-160-30 Annual Review. The Chair shall be herself and the other appointed member shall be Craig Murray.

8. BOARD REQUESTS:

- A. Board Meeting Attendance Requests –Clark and Schriebman would like to attend CSDA Legislative Day May 18-19, 2021
- B. Board Agenda Item Requests- None.
- C. Board Secretary Lerch advised the Board of the upcoming Board Meeting Dates:

March 25	Special Meeting	3:30 pm
March 29	Special Meeting	2:00 pm
April 1	Regular Meeting	3:30 pm
April 9	Special Meeting	9:00 am
April 15	Regular Meeting	3:30 pm

9. VARIOUS INDUSTRY RELATED ARTICLES – Discussion ensued.

10. ADJOURNMENT:

ACTION:

Board approved (M/S Schriebman/Murray 5-0-0-0) the adjournment of the meeting at 5:59 p.m.

- AYES: Clark, Elias, Murray, Schriebman and Yezman.
- NOES: None.
- ABSENT: None.
- ABSTAIN: None.

The next Board Meeting is scheduled for March 25, 2021 by Zoom Electronic meeting.

ATTEST:

Teresa Lerch, District Secretary

APPROVED:

Megan Clark, Board Vice-President

3. AWARD OF ASSET ONBOARDING CONTRACT TO CENTRICITY GIS

Gerald Fejarang and Adam Butler from Kennedy Jenks and Brandon Wright from Centricity gave a presentation to the Board on all three Phases and four Tasks of an Asset Management Build but emphasized that only Task 1 is being considered today. The Board then discussed awarding a contract to Centricity GIS (Centricity) for Task 1 Asset Onboarding for the Secondary Treatment Plant Upgrade and Recycled Water Expansion (STPURWE) Project into the Cityworks CMMS/GIS (Computerized Maintenance Management System/Geographic Information System) platform in an amount not to exceed \$130,510.

ACTION:

Board approved (M/S Murray/Schriebman 5-0-0-0) the awarding of a contract to Centricity GIS (Centricity) for Task 1 Asset Onboarding for the Secondary Treatment Plant Upgrade and Recycled Water Expansion (STPURWE) Project into the Cityworks CMMS/GIS (Computerized Maintenance Management System/Geographic Information System) platform in an amount not to exceed \$130,510.

AYES: Clark, Elias, Murray, Schriebman and Yezman.
NOES: None.
ABSENT: None.
ABSTAIN: None.

4. INFORMATION ITEMS:

STAFF / CONSULTANT REPORTS:

1. General Manager Report – Verbal – Prinz reported.
2. District Correspondence- Written
3. Mid Year FY 2020-21 Budget Report – McDonald reported

5. COVID 19 PREVENTION PROGRAM

Board discussed the LGVSD COVID-19 Prevention Program and Resolution 2021-2207.

ACTION:

Board approved (M/S Yezman/Murray 5-0-0-0) the LGVSD COVID-19 Prevention Program and Resolution 2021-2207.

AYES: Clark, Elias, Murray, Schriebman and Yezman.
NOES: None.
ABSENT: None.
ABSTAIN: None.

6. PUBLIC COMMENT – None

7. BOARD MEMBER REPORTS:

1. CLARK
 - a. NBWA Board Committee –no report
 - b. 2021 Admin Building Ad Hoc Committee – no report
 - c. Other Reports– none
2. ELIAS
 - a. NBWRA– no report
 - b. Ad Hoc Engineering Committee—verbal report
 - c. Ad Hoc 2021 GM Evaluation Committee – no report
 - d. Other Reports– no report
3. MURRAY
 - a. Marin LAFCO – verbal report
 - b. CASA Energy Committee– verbal report
 - c. Ad Hoc 2021 GM Evaluation Committee – no report

Las Gallinas Valley Sanitation District
Warrant List 4/1/2021 DRAFT

	Date	Num	Vendor	Original Amount	Addition and Adjustment	Total Amount	Description for items
1	4/1/2021	EFT1	ADP Payroll	175,667.04		175,667.04	Paydate & Processing Charges - 3/26/21
2	4/1/2021	N/A	Aqua Engineering	42,030.95		42,030.95	STPURWE - Engineering Services
3	4/1/2021	N/A	Aramark	1,147.32		1,147.32	Uniform Laundry Service Feb-Mar
4	4/1/2021	N/A	ArcSine Engineering	2,561.50		2,561.50	Marin Lagoon Pump Station - Feb
5	4/1/2021	N/A	AT&T	3,401.52		3,401.52	Pump Stations 3/7 - 4/6
6	4/1/2021	EFT2	Bank of Marin	47,335.64		47,335.64	April Loan Payment - Recycled Water Loan
7	4/1/2021	EFT	Bank of Marin Credit Card	16,258.84		16,258.84	Credit Card Purchases 2/4 - 3/4
8	4/1/2021	N/A	Bay Area Background Checks	63.00		63.00	Pre-Employment Background Check
9	4/1/2021	N/A	BullsEye Telecom	227.26		227.26	Monthly Charge for Addl Trunks on Phone System- March
10	4/1/2021	ACH	BWS Distributors	247.44		247.44	Replacement of Gas Bottle to Gas Monitors for Calibrating.
11	4/1/2021	EFT	CalPERS 457 Plan	5,893.00		5,893.00	EE's Deferred Comp. Paydate 3/12/21
12	4/1/2021	EFT	CalPERS CERBT-OPEB	11,630.00		11,630.00	Pre-Fund GASB Payment - April
13	4/1/2021	EFT	CalPERS Health	34,311.42		34,311.42	CalPERS Health- Active & Employer Retiree Share - April
14	4/1/2021	EFT	CalPERS Retirement	20,336.83		20,336.83	EE & ER Payment to Retirement, Paydate 03/12/2021
15	4/1/2021	N/A	Cintas Corporation	125.06		125.06	Safewasher Service & Filter Replacement - March
16	4/1/2021	ACH	Clark, Megan	195.00		195.00	WaterReuse 2021 Symposium Conference Registration Reimbursement
17	4/1/2021	N/A	Comet Building Maintenance	1,860.84		1,860.84	Janitorial Services for 300 Smith Ranch - March
18	4/1/2021	N/A	CP Lab Safety	3,481.51		3,481.51	IBC Spill Pallet Plus, Tote Tanks, Etc.
19	4/1/2021	N/A	Dave Lehman Trucking	10,845.00		10,845.00	Rock Delivery- Reclamation
20	4/1/2021	EFT	Direct Dental	1,158.86		1,158.86	EE Dental Payments
21	4/1/2021	EFT	Discovery Benefits	571.29		571.29	FSA Payment
22	4/1/2021	ACH	Enviommmental Resource Associates	276.60		276.60	Residual Chlorine
23	4/1/2021	N/A	Federal Express	97.12		97.12	Misc. Mailings
24	4/1/2021	ACH	Grainger	636.12		636.12	DC Power Supply
25	4/1/2021	N/A	Hach Company	342.14		342.14	Chemcial Oxygen Demand Reagents
26	4/1/2021	ACH	Herc Rentals	2,026.62		2,026.62	Compact Tracker Loader, 66" Roller Ride-on
27	4/1/2021	N/A	Kleinfelder	2,843.91		2,843.91	STPURWE- Const Inspection & Materials Testing - 2/8 - 3/7
28	4/1/2021	N/A	Liebert Cassidy Whitmore	3,691.20		3,691.20	Legal Advice
29	4/1/2021	ACH	Marin Independent Journal	182.88		182.88	Notice of Bid Process - Supply & Delivery of Sodium Hypochlorite & Bisulfite

Las Gallinas Valley Sanitation District Warrant List 4/1/2021 DRAFT							
	Date	Num	Vendor	Original Amount	Addition and Adjustment	Total Amount	Description for items
30	4/1/2021	N/A	Marin Munciple Water District	17,770.79		17,770.79	Water Use at Plant - Meter Broken in 2019. From 10/2019 - 2/2021
31	4/1/2021	N/A	MGE Engineering	19,223.50		19,223.50	Reclamation Bridge Load Capacity & Seismic Analysis
32	4/1/2021	N/A	MuniQuip	10,583.92		10,583.92	Moyno Sludge Pumps- Partial Payment
33	4/1/2021	ACH	North Bay Petroleum	1,464.86		1,464.86	Unleaded Fuel
34	4/1/2021	ACH	Nute Engineering	180.00		180.00	STPURWE - Engineering & Inspection Services - February
35	4/1/2021	N/A	Operating Engineers	487.36		487.36	Union Dues 3/26 Paydate
36	4/1/2021	ACH	Orion Protection Services	318.50		318.50	Nightly Patrol Smith Ranch Rd. Service for April
37	4/1/2021	EFT	Pacific Crest Group	1,447.50		1,447.50	HR Consulting Services - 3/19/2021
38	4/1/2021	N/A	Pacific Gas & Electric	9,816.34		9,816.34	Electricity at Plant - 1/27-2/25
39	4/1/2021	N/A	Pacific Gas & Electric	24.65		24.65	Solar - 1/27-2-25
40	4/1/2021	N/A	Photovoltaics California	2,756.00		2,756.00	Inverter Troubleshooting - Upper Array
41	4/1/2021	N/A	Pitney Bowes	500.00		500.00	Refill Stamp Machine
42	4/1/2021	N/A	Rafael Lumber	210.51		210.51	Misc. Supplies
43	4/1/2021	ACH	Regional Government Services	4,961.40		4,961.40	Services for Finance On-Call HR, & Org. Development.
44	4/1/2021	N/A	Ross Valley Sanitary District	1,492.00		1,492.00	Public Outreach - Ad Campaign for COVID-19 Nov - Feb
45	4/1/2021	N/A	San Rafael Police	20.00		20.00	Annual Alarm Permit
46	4/1/2021	N/A	Smith & Loveless, Inc.	17,187.13		17,187.13	Grit Pump
47	4/1/2021	ACH	Terryberry	122.17		122.17	Employee Recognition Award
48	4/1/2021	N/A	United Site Servcies	436.54		436.54	ADA Porta Potties
49	4/1/2021	ACH	Univar	18,720.53		18,720.53	Furnish Sodium Hypochlorite & Bisulfite - February & March
50	4/1/2021	EFT	US Bank Equiptment Finance	1,455.15		1,455.15	Quarterly Copier Finance Payment
51	4/1/2021	EFT	Vision Service Plan	417.00		417.00	Vision for April
52	4/1/2021	N/A	Woodland Auto Center	116.60		116.60	Oil and Fuel Filter
53	4/1/2021	N/A	Zappetini, Inc.	10,000.00		10,000.00	Reclamation Transfer Wood Box Galvanized Catwalks- Progress Payment

Las Gallinas Valley Sanitary District
Reconciliation Detail
6204 · Credit Card at Elan Financial, Period Ending 03/04/2021

Date	Name	Memo	Amount
Beginning Balance			
Cleared Transactions			
Charges and Cash Advances - 59 items			
02/05/2021	Thomas Fish Company	Guide to Freshwater Fishes SAHAR GOLSHANI;	-125.00
02/05/2021	Amazon.com	Air Freshner for Lab SAHAR GOLSHANI;	-17.65
02/08/2021	Comcast	Internet AMY SCHULTZ;	-360.11
02/08/2021	Boot Barn	Safety Boots MANUEL CARDENAS;	-239.79
02/08/2021	Alhambra	Water Delivery AMY SCHULTZ;	-110.66
02/08/2021	Sonic.net	Internet Provider AMY SCHULTZ;	-19.95
02/09/2021	Liebert Cassidy Whitmore	PERB Conference AMY SCHULTZ;	-475.00
02/09/2021	Zoom	Monthly subscription AMY SCHULTZ;	-14.99
02/10/2021	Amazon.com	Webcam for M. Cortez AMY SCHULTZ;	-90.34
02/11/2021	Ingram Products	9 Air Compressors GREG PEASE;	-2,463.05
02/11/2021	Marin Independent Journal	Public Notices AMY SCHULTZ;	-501.82
02/11/2021	AREA Printhouse	Company logo's for safety jackets ROBERT J BUCHHOL...	-64.86
02/11/2021	Jurassicparliament	Webinar Meeting Minutes & Role of Clerk TERESA LERCH;	-57.00
02/11/2021	Zoom	Zoom Monthly Cost DALE MCDONALD;	-14.99
02/12/2021	Amazon.com	Sharpies for 101 LVR AMY SCHULTZ;	-9.76
02/12/2021	Amazon.com	Bowls for 101 LVR AMY SCHULTZ;	-8.24
02/16/2021	Jaimes Alterations	Clothing Alterations ROBERT B FERNANDES;	-200.00
02/16/2021	Amazon.com	Toner Cartridges for G Pease Printer AMY SCHULTZ;	-105.61
02/17/2021	Just Remnants	Vinyl Flooring ANTHONY J ASARO JR;	-183.05
02/17/2021	American Messaging Services, ...	After-Hours Messaging Support AMY SCHULTZ;	-121.44
02/17/2021	Marin Lock & Safe	Reclamation Gate Keys ANTHONY J ASARO JR;	-13.90
02/18/2021	Marin Independent Journal	Public Notices AMY SCHULTZ;	-104.76
02/18/2021	Fastrak	Bridge toll replenish AMY SCHULTZ;	-25.00
02/19/2021	Reliable Hardware	Misc. Supplies ANTHONY J ASARO JR;	-364.82
02/19/2021	USA BlueBook	Activated Sludge Books SAHAR GOLSHANI;	-172.18
02/22/2021	Ebay	Spare Solar Panels JOSHUA J BINDER;	-987.12
02/22/2021	Fisher Scientific Company LLC	TSS Test Filter SAHAR GOLSHANI;	-390.84
02/22/2021	Fisher Scientific Company LLC	Microscope for Lab SAHAR GOLSHANI;	-103.39
02/22/2021	Amazon.com	Office Supplies AMY SCHULTZ;	-14.16
02/23/2021	Amazon.com	4 Duplex Pump Controllers GREG PEASE;	-3,275.98
02/23/2021	TAP Plactics	Acetone CHRISTOPHER J GILL;	-48.12
02/23/2021	Amazon.com	Large Binder for 101 LVR AMY SCHULTZ;	-21.79
02/24/2021	Reliable Hardware	Misc. Supplies ANTHONY J ASARO JR;	-689.49
02/24/2021	IDEXX Distribution, Inc	Enterolert SAHAR GOLSHANI;	-505.35
02/24/2021	Amazon.com	File cabinet for Pam's Area AMY SCHULTZ;	-249.59
02/24/2021	California Water Environment A...	Certificate payment RALPH LOVELESS;	-182.00
02/24/2021	Engineers BD	Application Renewal YI YING HUANG;	-180.00
02/24/2021	CA Special Districts	Webinar for Mike P. TERESA LERCH;	-175.00
02/24/2021	IDEXX Distribution, Inc	DPD Dispenser SAHAR GOLSHANI;	-118.62
02/24/2021	Hach Company	Comp Samplers SAHAR GOLSHANI;	-116.88
02/24/2021	Amazon.com	Office supplies AMY SCHULTZ;	-85.70
02/25/2021	Hach Company	Turbidity, Alkalinity & Hardness Tests SAHAR GOLSHANI;	-505.93
02/25/2021	FLeetio	Monthly Subscription GREG PEASE;	-156.00
02/25/2021	Platt Electric Supply	Misc. Supplies ANTHONY J ASARO JR;	-139.55
02/25/2021	Cross Company	Draeger Tubes for Digester JOSHUA J BINDER;	-94.31
02/25/2021	California Water Environment A...	Mechanical Tech Grade I Cert MANUEL CARDENAS;	-91.00
02/25/2021	Amazon.com	Large Envelopes AMY SCHULTZ;	-20.59
02/26/2021	Microsoft	Windows 365 subscription AMY SCHULTZ;	-396.00
02/26/2021	Grainger	Gloves SAHAR GOLSHANI;	-201.98
03/01/2021	Aquafix	Defoaming for New Aeration Basins JOSHUA J BINDER;	-539.90
03/01/2021	Fisher Scientific Company LLC	Microscope SAHAR GOLSHANI;	-249.38
03/01/2021	Fisher Scientific Company LLC	Ammonia PH Adjusting ISA SAHAR GOLSHANI;	-234.46
03/01/2021	Comcast	Internet AMY SCHULTZ;	-144.87
03/01/2021	Fastrak	Bridge toll replenish AMY SCHULTZ;	-25.00
03/02/2021	Treasury Software	ACH Banking AMY SCHULTZ;	-39.95
03/03/2021	Hach Company	Nitrogen-Ammonia SAHAR GOLSHANI;	-184.38
03/03/2021	Hach Company	Nitrogen Ammonia SAHAR GOLSHANI;	-92.61
03/03/2021	Access/Central Marin Answerin...	After-Hours Answering Service AMY SCHULTZ;	-75.00
03/03/2021	Verizon Wireless	Cell phone case & clearer GREG PEASE;	-59.93
Total Charges and Cash Advances			-16,258.84

AGENDA ITEM 2C
DATE April 1, 2021



**BOARD MEMBER
MEETING ATTENDANCE REQUEST**

Date: 3-19-21 Name: Megan Clark

I would like to attend the CSDA Legislative Days Meeting
of CSDA

To be held on the 18th day of May from 9:00 (a.m.) p.m. to
19th day of May from 5:00 a.m. (p.m.)

Location of meeting: VIRTUAL

Actual meeting date(s): May 18th to May 19th 2021

Meeting Type: (In person) (Webinar) Conference

Purpose of Meeting: INFORMATION ON CALIF. REGULATIONS
LAWS and funds available

Other meeting attendees: UNKNOWN

Meeting relevance to District: INFO. (see above)

Frequency of Meeting: ONCE

Estimated Costs of Travel (if applicable): N/A

Date submitted to Board Secretary: 3-19-21

Board approval obtained on Date: _____

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

AGENDA ITEM 21
DATE April 1, 2021



BOARD MEMBER MEETING ATTENDANCE REQUEST

Date: March 22, 2021 Name: Judy Schriebman

I would like to attend the CSDA Legislative days Meeting of
 May 18 & 19, 2021

To be held on the 18 day of May from 8 a.m. to 19 day of
May till 5 pm p.m.

Location of meeting: online

Actual meeting date(s): May 18 and 19

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

Purpose of Meeting: Meeting with local state legislators and staff to advance
issues near and dear to LGVSD and other sanitation agencies

Other meeting attendees: Megan Clark

Meeting relevance to District: Political relationship building

Frequency of Meeting: One time

Estimated Costs of Travel (if applicable): None

Date submitted to Board Secretary: Mar, 22, 2021

Board approval obtained on Date:

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



Agenda Summary Report

To: Mike Prinz, General Manager *MP*
From: Mel Liebmann, Plant Manager mliebmann@lgsd.org 415-526-1526
Mtg. Date: April 1, 2021
Re: Secondary Anaerobic Digester Cleaning Services Contract Award
Item Type: Consent Discussion Information Other
Standard Contract: Yes No (See attached) Not Applicable

STAFF RECOMMENDATION

Board to award a contract to Wastewater Solids Management proposal to provide secondary digester cleaning services.

BACKGROUND

The industry average for anaerobic digester cleaning frequency is between 8 and 12 years of service. The District's secondary digester has not been cleaned in 14 years. Due to the age and condition of this process, a structural evaluation will also need to be performed after the cleaning is completed to determine the extent of necessary repairs that will eventually need to be made. Staff may attempt to have the repairs done prior to returning the digester to service if required repairs are minimal.

Three firms that provide similar services were contacted for requests for bids, National Plant Services (NPS), USReduction, and Wastewater Solids Management (WSMC). NPS declined to compete because of excessive mobilization costs and USReduction was not responsive to multiple requests. WSMC provided a proposal that totaled \$96,690.

PREVIOUS BOARD ACTION

The Board awarded a contract to Wastewater Solids Management to clean the primary anaerobic digester at the May 12, 2015 Meeting.

ENVIRONMENTAL REVIEW

NA

FISCAL IMPACT

\$96,690



January 21, 2021

Mr. Mel Liebmann
Las Gallinas Valley Sanitary District
300 Smith Ranch Road
San Rafael, CA 94903
(415) 472-1734 x 26
(415) 499-7715 fax

Dear Mel:

I would like to thank you for your continued interest in Wastewater Solids Management, Inc. We are a privately held corporation with over 40 years cumulative experience in digester/lagoon cleaning and biosolids management. We are pleased to extend this quotation to you for the removal of solids from the secondary digester at the Las Gallinas Valley Sanitary District Wastewater Treatment Facility.

Above all else we are concerned with safety on the job and closely follow the OSHA rules and regulations set forth for maintenance activities. These procedures include lock out/tag out and confined space entry among others.

Attached is an itemized proposal for the secondary digester cleaning, solids dewatering and off site disposal of the sludge material as well as an integrated agreement. The proposal includes a single mobilization and prevailing wage determinations. Our crew is signatory to LIUNA and will be classed as Laborers. Our DIR Registration Number is 1000002642 with an expiration of June 2021. Please note this proposal was prepared utilizing the same scope of work as the primary digesters in 2016 and assumes the material must be dewatered and hauled off site with the grit and screening disposal handled by the District under their existing contract. If there are any changes to this scope, please let me know and I would be happy to revise it for you. We anticipate a project duration of approximately one and one half (1 1/2) weeks for dewatering operations.

If you have any questions or require any further information, please advise by contacting (541) 547-3213. We look forward to this opportunity to work with you again soon.

Respectfully submitted,

Victoria E. Prince
General Manager
Wastewater Solids Management Inc.
vprince@wastewatermanagement.com
www.wastewatermanagement.com

Enclosures: quotation / agreement
References

ADMINISTRATIVE OFFICE
P.O. BOX 430
YACHATS, OR 97498
(541) 547-3213 PHONE
(541) 971-4571 FAX

ACCOUNTING OFFICE
P.O. BOX 1327
LINCOLN, CA 95648

CORPORATE OFFICE
P.O. BOX 826
YERINGTON, NV 89447

Las Gallinas Valley Sanitary District
Request for Quotation
Wastewater Facility-Digester Rehabilitation

④	QUOTATION DATE:	JANUARY 21, 2021
④	Mobilization/Demobilization, each:	<u>\$ 2,470.00</u>
	Digester Cleaning & Dewatering:	<u>\$ 68,690.00</u>
	Solids Transport:	<u>\$ 10,500.00</u>
	Solids Disposal:	<u>\$ 12,960.00</u>
	Estimated Project Total	<u>\$ 96,690.00</u>

④ **Description:**
Wastewater Solids Management Company will remove all sludge, grit and other miscellaneous debris from the digester and pump the material across a 3/16" capture screen. The screened material will be pumped to a mixing type mixing tank and fed to a mobile belt press unit. This material will be dewatered and deposited in end dumps for offsite disposal at Potrero Hills Landfill. Filtrate water from the belt filter press unit will be returned to the plant at a point designated by District personnel with the parameters below. The screenings removed from the sludge stream will be washed, compacted and deposited in roll off bins for offsite disposal by District personnel. WWSMC will hydro-wash the interior of the digester at the Las Gallinas Valley Sanitary District Wastewater Treatment Plant. Hydro washing services will remove sludge and other material from the interior surfaces of the digester structure, however, some closely adhered materials may remain upon completion. (Struvite, vivianite, etc.). This will include all labor and materials except as listed below.

- ④ Diameter: 50'; Side Wall Depth: 21'; Max Solids Depth: 10'
- ④ Minimum top access hatchway: 60"
- ④ Sludge Solids Concentration: ≤ 5% (200 WT)
- ④ Max. distance to manhole: 10'; Minimum flow rate: 200 gpm
- ④ Material screened to 3/16" capture size
- ④ Screenings material compacted to reduce moisture content
- ④ Operations to be completed in a single mobilization
- ④ Maximum project duration: 1 1/2 weeks


- ④ Las Gallinas Valley Sanitary District will provide the following:
- ④ 300 gpm, 80 psi water available (2 1/2" connection to water source)
 - ④ 150 amps, 480 V, 3 phase power. (1 ea – 100 A and 50 A connections)
 - ④ Sufficient roll-off bins or other receptacles as required
 - ④ Removal and replacement of access hatch covers
 - ④ Sludge material must meet or exceed EPA 503 Regulation Class B requirements for end disposal
 - ④ On site lift equipment for off-loading and placement of WWSM equipment (boom truck or other).

Integrated Agreement
Between Las Gallinas Valley Sanitary District & Wastewater Solids Management, Inc

This agreement with attachments of addends, represents the entire and integrated agreement between Las Gallinas Valley Sanitary District and Wastewater Solids Management, Inc. and supersedes all prior negotiations, representations or agreements, written or oral. However, the proposal submitted by Wastewater Solids Management Company and related documents establish the background and framework in which the contract was prepared and do set forth the expectations of each party to the contract. This agreement may be amended only by written instrument signed by both Las Gallinas Valley Sanitary District and Wastewater Solids Management, Inc.

Dated this the 21st day of January, 2021

Las Gallinas Valley Sanitary District



Wastewater Solids Management, Inc.

Title

General Manager

Title

Contact Name	Agency/Firm	Phone
Mr. Scott Richards	Kaweah Construction	(559) 268-1540
Mr. Karl Hosier	Monterey Mechanical	(510) 636-4372
Mr. Steve Sinnock	Kjeldsen, Sinnock & Neudeck	(209) 946-0268
Mr. Bruce Solomon	Western Water Constructors	(707) 540-9640
Mr. Ed Oyama	Monterey, CA	(831) 883-6178
Mr. Steve Schimp	San Andreas, CA	(209) 754-3281
Mr. Fadi Alabbas	Contra Costa, CA	(925) 688-8000
Mr. Bruce Keogh	Morro Bay, CA	(805) 772-6272
Ms. Anna Johnson	Sacramento, CA	(916) 875-9198
Mr. Brian Cook	Phoenix, AZ	(602) 495-7998
Mr. Kevin Keppler	Livermore, CA	(925) 960-8100
Mr. Steve Krautheim	Novato, CA	(415) 892-1694
Mr. Jim Doyle	Tucson, AZ	(520) 744-4236
Ms. Melita Caldwell	Temecula, CA	(909) 676-5485
Mr. Jeff Gregory	Benecia, CA	(707) 746-4337
Mr. Robert Hensley	Simi Valley, CA	(805) 583-6443
Mr. Dave Kachelski	Rialto, CA	(909) 877-2752
Mr. Starlin Jones	Truckee Meadows (Reno), NV	(775) 861-4104
Mr. Parry Salsi	Redding, CA	(530) 225-4157
Mr. Thomas Wurth	Elko, NV	(702) 777-7387
Mr. Ted Mikowski	Albany, OR	(541) 917-7632
Mr. Logan Olds	Victorville, CA	(760) 246-8638
Mr. Jeff Misenhimer	Visalia, CA	(559) 715-4176
Mr. Roy McDonald	Yerington, NV	(775) 463-2729
Mr. Rick Nyhus	Waldport, OR	(541) 563-2325



Agenda Summary Report

To: Mike Prinz, General Manager *MSP / mpc*
From: Michael P. Cortez, PE, District Engineer
 (415) 526-1518; mcortez@lqvsd.org
Mtg. Date: April 1, 2021
Re: Approve Contract Amendment 1 to Brown and Caldwell for Additional Peer Review Engineering Services during STPURWE Construction
Item Type: Consent Action Information Other
Standard Contract: Yes No (See attached) Not Applicable

STAFF RECOMMENDATION

Board to approve Contract Amendment 1 to Brown and Caldwell for Additional Peer Review Engineering Services during Construction for the Secondary Treatment Plant Upgrade and Recycled Water Expansion (STPURWE) project.

BACKGROUND

The current contract with Brown and Caldwell (B&C) provides peer review engineering services during construction and startup of the STPURWE project. The original scope of work was focused on equipment site visits, review of design changes and select contractor submittals, and assistance with startup and testing. However, the scope does not cover the necessary level of effort for design of Secondary Clarifier #1 relocation, development of existing secondary clarifier failure response plan, activated sludge process startup, and weekly treatment process meetings. In response to District staff's request, B&C has submitted a proposal and fee estimate in the amount of \$39,932. Staff has reviewed the proposal and deemed the scope of work and fee estimate reasonable.

PREVIOUS BOARD ACTION

The Board approved Contract with Brown and Caldwell for Engineering Services during Construction for the Secondary Treatment Plant Upgrade and Recycled Water Expansion Project on February 28, 2019.

ENVIRONMENTAL REVIEW

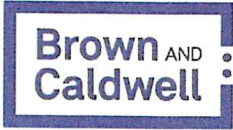
N/A

FISCAL IMPACT

\$39,932

Amendment A.4- Assistance During Construction and Startup
Additional Services- Scope of Work and Fee Estimate
Secondary Treatment Upgrades

February 17, 2021



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

Subject: Amendment A.4 Scope, Fee and Schedule

Dear Mike,

Please find attached the scope of work, fee estimate and schedule for Amendment A.4. The purpose of Amendment A.4 is to assist Las Gallinas Valley Sanitary District with the construction and startup of the Secondary Treatment Upgrades Project.

Please contact me at (916) 853-5340 if you have any questions or require additional information.

Very truly yours,

BROWN AND CALDWELL,

A handwritten signature in black ink that reads "James Jetton".

James Jetton, P.E.
Project Manager

A handwritten signature in black ink that reads "Richard W. Terrazas".

Richard W. Terrazas, P.E.
Project Management Director

Amendment A.4- Assistance During Construction and Startup
Additional Services- Scope of Work and Fee Estimate
Secondary Treatment Upgrades

Project Understanding

The purpose of this additional scope of work and fee estimate is to continue assisting Las Gallinas Valley Sanitary District (LGVSD) during the construction and startup of the Secondary Treatment Upgrades Project. This work amends and extends the original agreement dated February 17, 2016, and last amended on May 16, 2019.

Scope of Work

Task 13 -Support During Construction and Startup

BC will continue the peer review and advisory support of the Project during the Construction and start up to the budget established. The support shall be on an as requested basis for the following:

- **Weekly Construction and Process meeting attendance.** BC will attend construction and startup meetings with the District, Design Engineer, Construction Manager, and others to discuss construction and startup activities. BC will attend via conference calls.
- **Activated Sludge Startup and Operations assistance** – During the various startup and testing periods, BC will support the District as requested. The work may include review of test plans as well as site visits by BC in preparation for and refinement of startup and operations procedures.
- **Clarifier Failure Response Plan Training** –BC will prepare and present a one-hour training session to prepare District staff to respond in the event of a clarifier failure. Training will be via conference a call and the training materials will be provided to the District at the completion of training.

Fee and Schedule

The estimated level of effort for this additional work is \$39,932. The Contract upper limits will be increased from \$337,321 to \$377,253. The work is scheduled to be completed by September 30, 2021.

Las Gallinas Valley Sanitary Distri -- ESDC Secondary TP Upgrade and RW

Phase	Phase Description	Jeffrey James D	Rouhani, Shouhreh G	Romero, Sara B	Melillo, Robert P	Sakrmo, Lailce P	Total Labor Hours	Total Labor Effort	APC	Alfare	Lodging and Food	Other Travel	Supplies	Total Expense Cost	Total Expense Effort	Total Effort
		\$234.39	\$114.92	\$86.94	\$314.50	\$295.98										
004	Support During the Construction Phase 04	74	6	6	5	53	144	36,890	1,152	600	500	400	300	1,800	3,042	39,932
GRAND TOTAL		74	6	6	5	53	144	36,890	1,152	600	500	400	300	1,800	3,042	39,932

Hours and Dollars are rounded to nearest whole number. To display decimals, change the format of the cells.

4/1/2021

General Manager Report

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



101 Lucas Valley Road, Suite 300
San Rafael, CA 94903
Tel.: 415-472-1734
Fax: 415-499-7715
www.LGVSD.org

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

DISTRICT BOARD
Megan Clark
Rabi Elias
Craig K. Murray
Judy Schriebman
Crystal J. Yezman

Agenda Item 3.2

Date April 1, 2021

To: Any/All Staff at Marin County COVID19 Vaccination Facilities

March 12, 2021

RE:CA Department of Public Health Update regarding Emergency Services in Phase 1B

Please see attached excerpt of the CDPH announcement on March 11, 2021 that updates the definition of emergency services to include:

"...utility workers, disaster service workers, and social workers."

All staff at Las Gallinas Valley Sanitary District are disaster services workers and many also fall under the category of utility worker. As such, they are inherently included in Marin County Health and Human Services' definition of Phase 1B eligibility, which specifically includes emergency services. See attached.

Please contact me via email (mprinz@lgvsd.org) or telephone (415.526.1511) with any questions.

Sincerely,

Mike Prinz, PE
General Manager
Las Gallinas Valley Sanitary District

Attachments

qualifying condition of the member of their household who has an intellectual or developmental disability.)

Vaccination options for healthcare workers in Phase 1A (all tiers):

Healthcare Worker Vaccination Options

Phase 1B

LEGEND:

- Green circles show groups that have been, or are being, offered vaccine
- Red squares show groups that are waiting to be offered vaccine

Tier 1

- Older Adults who live in Marin County
 - People 75 & over
 - People 65 to 74 (anticipated opening: 2/15/21)
- Sector populations:
 - Food Service Workers
 - Education Workers
 - Childcare Workers
 - Agriculture Workers
 - Emergency Services

The State of California has announced that it is changing its vaccine rollout strategy in California after completion of Phase 1B, Tier 1 (Education and Childcare, Emergency Services, Food and Agriculture). The state plans to transition to age-based eligibility, allowing California to scale up and down quickly, while ensuring vaccine goes to disproportionately impacted communities.

Tier 2

- Beginning March 15, healthcare providers may use their clinical judgement to vaccinate individuals age 16-64 who are deemed to be at the very highest risk for morbidity and mortality from COVID-19 as a direct result of one or more of the severe health conditions included in this provider bulletin.

Vaccination options for Phase 1B eligible groups:

Vaccine Appointment Options in Marin



I am looking for

I am a

Programs

A-Z Index

Updated COVID-19 Vaccine Eligibility Guidelines

February 13, 2021

Updates since 02/13/2021

Updated March 11, 2021 to:

- Include individuals in specified settings who are eligible to be vaccinated due to increased risk beginning March 15. This includes individuals who reside in a high-risk congregate setting and public transit workers.
- Provide clarification on individuals eligible for vaccination and include additional FAQs regarding massage therapists, janitors and couriers.
- Update education and childcare to include examples of eligible informal childcare workers, foster care, and those working in children's residential community care facilities, and library staff.
- Update emergency services to include utility workers, disaster service workers, and social workers.
- Provide clarifications on the implementation of vaccines for people with high-risk medical conditions or disabilities.

Based on available supply, individuals described below are or will be eligible for COVID-19 vaccines:

- Phase 1A* (healthcare workers and LTC residents): 3,142,166 Californians
- Phase 1B
 - Food/Agriculture***, Education/Childcare**, and Emergency Services***: 5,960,528 Californians
 - 65+: 6,254,300 Californians



Agenda Summary Report

To: Mike Prinz, General Manager *MSP*
From: Dale McDonald, Administrative Services Manager *DM*
 (415) 526-1519 dmcDonald@lgvSD.org
Meeting Date: April 1, 2021
Re: Receive Preliminary Cost of Sewer Service and Rate Study Presentation
Item Type: Consent Action Information **X** Other
Standard Contract: Yes No (See attached) Not Applicable

STAFF RECOMMENDATION

Board to receive preliminary Sewer Rate Study presentation from HDR, Inc. and give staff direction regarding development of the Sewer Service Charges (SSC) for the upcoming fiscal years 2021-2022 and 2022-2023.

BACKGROUND

The District previously conducted a sewer rate methodology and connection fee study in late 2013 which was used to develop SSCs for fiscal years July 1, 2014 through June 30, 2020.

On April 24, 2020, the District entered into agreement with HDR to complete a Cost of Sewer Service Study and Connection Fee Study to assist with the development of a series of rate policies to be used for future management of sewer use charge and connection fees for the fiscal years July 1, 2020-2021, 2021-2022, and 2022-2023. Due to time constraints the work was separated into two sections; 1) the Cost of Service and Sewer Rate Study including proposed rate adjustments and 2) the Connection Fee Study which will be presented in late 2021.

The first year SSC increase of 4.44% was adopted by the Board on June 18, 2020 while the study was underway. The study is therefore essentially a two-year study that will carry the District forward while the District’s Master Plan is completed, after which a 5-year rate study will be undertaken to factor in findings from the Master Plan.

As part of the study HDR reviewed the financial and rate setting policies of the District. Key assumptions were developed with assistance from staff and focused on revenue calculations and projections, projections of Operating & Maintenance (O&M) expenses and review of the capital improvement plan, and the overall rate transition plan and its impacts to the District’s fund balance.

Developing Cost-Based Sewer Rates requires looking at the revenue requirement along with any other rate design goals and objectives. Revenue requirement is based on a comparison of:

1. The revenue of the utility to the gross expenses to evaluate the level of overall rates.
2. The costs of service for various customer classes of service.
3. Rate design objectives for each class of service to meet the revenue needs of the District.



The broader objective of the study is to provide the necessary information and analysis to the District's Board of Directors for it to set rates and a rate structure to adequately fund the operating, capital costs and debt service for the next two years.

The study also considered future capital related expansion of facilities, especially the impact large Capital Improvement Projects (CIP), such as the new Administration Building and John Duckett Pump Station, would have on sewer rates. Three different scenarios for revenue requirements are presented in the study; the first is an Aggressive CIP Plan modelled on completing the new Administrative Building within 4 years, the Moderate CIP Plan delays both large projects a year, and the Limited CIP plan delays both projects further to keep rate increases at or below 8.5%.

Aggressive CIP Plan:

- Financing the John Duckett Pump Station with construction in FY 2022 and 2023.
- Financing and construction of the new Administration Building beginning in FY 2024.
- Total capital cost for these two projects is estimated at \$46.2M with \$37.6M financed.
- Rate increase of 13.5% is proposed for both years.

Moderate CIP Plan:

- Buildup rate funded capital reserves and obtain a revenue bond to fund the John Duckett Pump Station with construction occurring in FY 2023 and 2024.
- Financing and construction of the new Administration Building beginning in FY 2025.
- Total capital cost for these two projects estimated at \$47.5M with \$32.9M financed.
- Rate increase of 10.5% is proposed for both years.

Limited CIP Plan:

- Longer buildup of rate funded capital reserves to fund John Duckett Pump Station construction in FY 2024 and 2025.
- Obtain a revenue bond and completion of the new Administration Building in 2027 or later.
- Total capital cost for these two projects estimated at \$48.7M with \$26M financed.
- Rate increase of 8.5% in FY 2021-22 and 8.0% in FY 2022-23 is proposed.

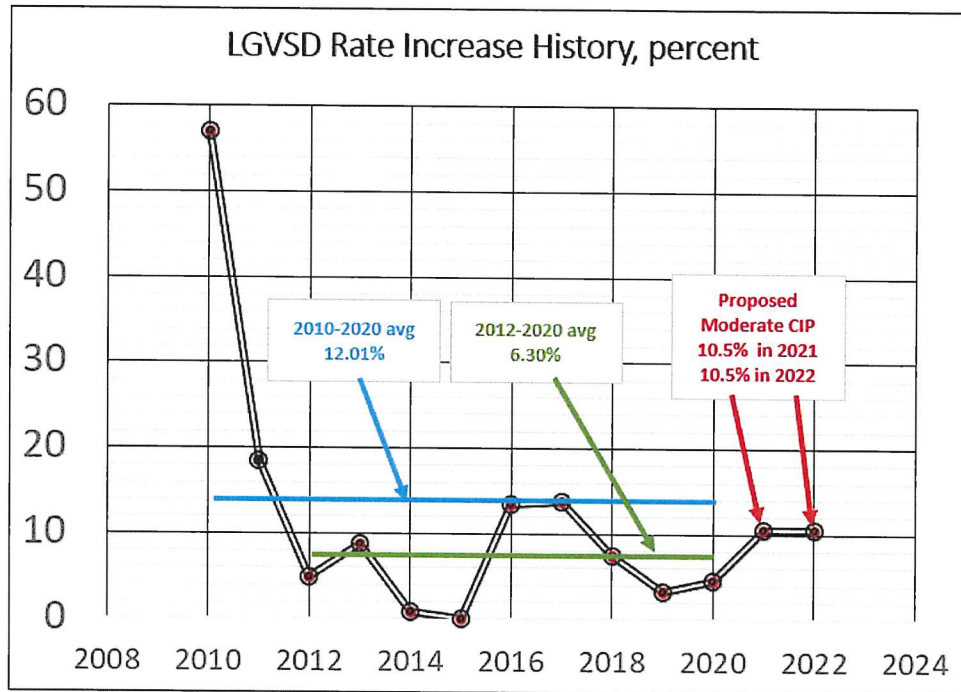
The Board needs to weigh the established goals of the District with the impact on its rate payers. Deferring large capital projects may be necessary if the Board wishes to minimize the rate increases. Management is looking into the feasibility of separating the existing Terra Linda trunk sewer repair from the John Duckett Pump Station project and addressing it sooner to reduce its risk of failure and defer the balance of construction of the new John Duckett Pump Station until after the new Administration Building is completed.

It is important to note that in order to obtain financing for the large projects the District must also keep its Debt Service Coverage Ratio (DSCR) above 1.25. The DSCR shows how well the District operating revenue covers its annual debt and interest payments. The rate study scenarios factored in debt service.

The District has implemented rate increases that have fluctuated considerably. Rate increases were below average the last few years and, as a result, the higher rate increases are needed over the next few years. Rate fluctuation could be minimized if additional reserves were on hand to

address large, singular year expenses the District might face. Current reserve levels are below target levels established by the Board. The rate study does not take into consideration changes that might be made to the reserve policy in the future.

The chart below shows the historical rate increases since 2010 along with the proposed moderate rate increase in FY 2021 and FY 2022.



The Board should consider information presented in the preliminary study presentation and give direction to staff and HDR. Staff would then work with HDR to update the rate analysis to reflect Board input and recommendations. The recommendations will be used to finalize the preliminary budget proposal for FY 2021-22 being developed.

The proposed rate increases will be finalized for FY 2021-22 and FY 2022-23 and be presented along with the final study report scheduled for April 15, 2021. The public hearing and adoption of the proposed rate increases is tentatively scheduled for June 17, 2021. It is important to note that accepting the rate study and setting of the SSC does not restrict the Board from adopting a lower rate increase in year two (FY 2022-23) as part of its budget approval process that will be undertaken in 2022.

PREVIOUS BOARD ACTION

On March 13, 2020 the Board approved entering into contract with HDR, Inc. to complete a Cost of Sewer Service and Connection Fee Study and authorized the General Manager to execute the contract.

ENVIRONMENTAL REVIEW

N/A

FISCAL IMPACT

Receiving the preliminary report has no fiscal impact.



Item Number 4

Agenda Summary Report

To: Mike Prinz, General Manager *MSP*
From: Michael P. Cortez *mpc*
 (415) 526-1518; mcortez@lgvsd.org
Meeting Date: April 1, 2021
Re: Proposed Ordinance 186 – Title 2, Chapter 10, Sanitary Code of the Las Gallinas Valley Sanitary District
Item Type: Consent _____ Action X Information _____ Other _____
Standard Contract: Yes _____ No _____ (See attached) Not Applicable X

STAFF RECOMMENDATION

Board to review the current draft Ordinance No. 186 and set a Public Hearing Date for Ordinance No. 186, An Ordinance to Add Chapter 10, Accessory Dwelling Units and Junior Accessory Dwelling Units, to Title 2, District Regulations, of the Ordinance Code of the Las Gallinas Valley Sanitary District for May 6, 2021 or a subsequent date.

BACKGROUND

The proposed Ordinance No. 186 addresses Accessory Dwelling Units (ADUs) and Junior Accessory Dwelling Units (JADUs) as it relates to provisions of Senate Bill 13 passed by the California State Legislature and approved by the Governor on October 9, 2019. First draft of Ordinance No. 186 was presented to the Board on February 4, 2021. After the Board’s review, the District Counsel was directed to revise the draft Ordinance in order to follow the square footage thresholds established by the City of San Rafael and County of Marin.

Attached is a memorandum from legal counsel including proposed Ordinance No. 186, which adds Chapter 10, Accessory Dwelling Units and Junior Accessory Dwelling Units to Title 2 of the Ordinance Code. The draft Ordinance was written to conform with statutory framework for ADUs and JADUs, which may include convoluted terms and language. Certain terms have no meaningful impact to District’s connection fee assessment but were used solely to follow statutory guidelines.

The first draft of Ordinance has been reviewed by the State Department of Housing and Community Development (DHCD) with minor comments incorporated. As a standard protocol, the latest version of the Ordinance will be provided to the DHCD for final review.

PREVIOUS BOARD ACTION

On February 4, 2021, the Board discussed setting a Public Hearing Date for Ordinance No. 186, An Ordinance to Add Chapter 10, Accessory Dwelling Units and Junior Accessory Dwelling Units, to Title 2, District Regulations, of the Ordinance Code of the Las Gallinas Valley Sanitary District and agreed to table this item and bring it back to a future Board meeting after revisions by District Counsel.



ENVIRONMENTAL REVIEW

N/A

FISCAL IMPACT

N/A

MEMORANDUM

TO: Board of Directors, LGVSD

FROM: Patrick M.K. Richardson, Esq., District Counsel

DATE: April 1, 2021

SUBJECT: RE: Ordinance to Regulate Accessory Dwelling Units (“ADUs”) and Junior Accessory Dwelling Units (“JADUs”) pursuant to Gov. Code §§ 65852.150 et seq.

BACKGROUND:

This memorandum is a follow-up to previous memoranda and discussions with the Board regarding the fees that the District can charge for a new ADU/JADU. This new ordinance will result in the addition of CHAPTER 10, ACCESSORY DWELLING UNITS AND JUNIOR ACCESSORY DWELLING UNITS, to TITLE 2, DISTRICT REGULATIONS in keeping with Gov. Code §§ 65852.2 and 65852.22, which restricts the charging of “impact fees,” “connection fees,” or a “capacity charges” for ADUs or JADUs. The statutory structure requires that local agencies adopt an ordinance in keeping with the statutory requirements of these statutes regulating the permitting and approval of ADUs/JADUs. The primary reason for the proposed Ordinance is to meet this requirement.

The Legislature has determined that Accessory dwelling units (“ADU”) are a valuable form of housing in California for several reason as noted Gov. Code § 65852.150.¹ The statutory structure encompassing the creation of ADUs and Junior Accessory dwelling units (“JADU”) is focused on reducing the permitting processes and fees which may serve to “...restrict the ability of homeowners to create accessory dwelling units...” Therefore, most of the statutory structure more directly affects those permitting agencies such as the City of San Rafael (“City”) and the County of Marin (“County”). However, the statutes also restrict the District’s ability to charge certain fees for providing sewer services to property owners that seek to create such ADUs or JADUs.

¹ Gov. Code § 65852.150 details the underlying policy reasons for favoring the creation of ADUs, as follows:

- “(2) Accessory dwelling units provide housing for family members, students, the elderly, in-home health care providers, the disabled, and others, at below market prices within existing neighborhoods.
- (3) Homeowners who create accessory dwelling units benefit from added income, and an increased sense of security.
- (4) Allowing accessory dwelling units in single-family or multifamily residential zones provides additional rental housing stock in California.
- (5) California faces a severe housing crisis.
- (6) The state is falling far short of meeting current and future housing demand with serious consequences for the state's economy, our ability to build green infill consistent with state greenhouse gas reduction goals, and the well-being of our citizens, particularly lower and middle-income earners.
- (7) Accessory dwelling units offer lower cost housing to meet the needs of existing and future residents within existing neighborhoods, while respecting architectural character.
- (8) Accessory dwelling units are, therefore, an essential component of California's housing supply.

As the primary permitting agencies, the City's or the County's determination of a valid ADU or JADU rather than trying to devise its own definitions given that they have the primary responsibility for permitting/approving an ADU/JADU. Thereafter, the District can then proceed to determination whether fees may be charged to the property owner.

PROPOSED ORDINANCE:

For the purposes of brevity in this memo, previous discussions regarding the statutory definitions of ADU and JADU and prohibited "impact fees," "connection fees," or "capacity charges" are omitted.

Revised Ordinance: Following review by the Board, staff were directed to revise the proposed ordinance to follow the sq. footage thresholds established by the City of San Rafael the County.

The City restricts the sq. footage of **ADUs to 1000 sq. ft. or 50% of the floor area of an existing primary dwelling unit, whichever is less,** and a JADUs to 500 sq. ft. However, the County restricts the maximum floor areas of an **ADU to 1,200 sq. ft.** and JADUs to 500 sq. ft.

Therefore, if the District were to mirror the City's and County's sq. footage allowances, there would be a different imposition of fees by the District depending whether the applicant was within the City or the County jurisdiction. Because this difference is based solely on the geographic location of a property owner it is likely that such a tiered structure would not pass legal challenge as the fees would not be proportional to the cost of the service attributable to the parcel.² .

Therefore, it is recommended that the Board adopt the County's sq. footage determination when fees would be charged, i.e., 1,200 sq. ft.

Following adoption of Ordinance No. 186 by the Board, a copy of the Ordinance shall be submitted to Department of Housing and Community Development for review by the Department to further review to determine whether the Ordinance complies with the requirements of Gov. Code §§ 65852.2.

RECOMMENDATION:

Thus, District Counsel recommends that the Board adopt Ordinance No. 186.

² "The amount of a fee or charge imposed upon any parcel or person as an incident of property ownership shall not exceed the proportional cost of the service attributable to the parcel."
Cal. Const. art. 13D, § 6 (a) (3)

**BOARD OF DIRECTORS OF THE
LAS GALLINAS VALLEY SANITARY DISTRICT**

ORDINANCE NO. 186

**AN ORDINANCE ADDING CHAPTER 10, ACCESSORY DWELLING UNITS
AND JUNIOR ACCESSORY DWELLING UNITS, TO TITLE 2, DISTRICT
REGULATIONS, OF THE ORDINANCE CODE OF THE LAS GALLINAS
VALLEY SANITARY DISTRICT**

**A CHAPTER REGULATING “ACCESSORY DWELLING UNITS”
AND “JUNIOR ACCESSORY DWELLING UNITS.”**

The Board of Directors of the Las Gallinas Valley Sanitary District, Marin County, California, does ordain as follows:

ARTICLE I.

Chapter 10, “ACCESSORY DWELLING UNITS AND JUNIOR ACCESSORY DWELLING UNITS” is hereby added to Title 2, District Regulations, of The Ordinance Code of the Las Gallinas Valley Sanitary District, to read as follows:

“**ARTICLE I. PURPOSE.** A Chapter regulating “ACCESSORY DWELLING UNITS” and “JUNIOR ACCESSORY DWELLING UNITS” pursuant to Cal. Gov. Code §§ 65852.150; 65852.2; and 65852.22, and in furtherance of the public policy and intent of the Legislature favoring the creation of additional housing in California, especially for family members, students, the elderly, in-home health care providers, the disabled, and others, at below market prices within existing neighborhoods.

ARTICLE II. DEFINITIONS.

Section 201. ACCESSORY DWELLING UNIT (“ADU”), as defined by Gov. Code § 65852.2(j)(1), means an attached or a detached residential dwelling unit that provides complete independent living facilities for one or more persons and is located on a lot with a proposed or existing primary residence. It shall include permanent provisions for living, sleeping, eating, cooking, and sanitation on the same parcel as the single-family or multifamily dwelling is or will be situated. An accessory dwelling unit also includes the following: (A) An efficiency unit, as defined in Section 17958.1 of the Health and Safety Code,

which is a unit for occupancy by no more than two persons which has a minimum floor area of 150 square feet and which may also have partial kitchen or bathroom facilities; or (B) A manufactured home, as defined in Section 18007 of the Health and Safety Code.

Section 203. CAPITAL FACILITIES CHARGE or SEWER CONNECTION FEE are synonymous for District purposes and shall have the same meaning as defined in Section 206, ARTICLE II, DEFINITIONS, of Title 1, Chapter 1, the Ordinance Code of the Las Gallinas Valley Sanitary District.

Section 204. IMPACT FEE, as defined by Gov. Code § 66000, means a monetary exaction other than a tax or special assessment, whether established for a broad class of projects by legislation of general applicability or imposed on a specific project on an ad hoc basis, that is charged by a local agency to the applicant in connection with approval of a development project for the purpose of defraying all or a portion of the cost of public facilities related to the development project, but does not include fees specified in Section 66477, fees for processing applications for governmental regulatory actions or approvals, fees collected under development agreements adopted pursuant to Article 2.5 (commencing with Section 65864) of Chapter 4, or fees collected pursuant to agreements with redevelopment agencies that provide for the redevelopment of property in furtherance or for the benefit of a redevelopment project for which a redevelopment plan has been adopted pursuant to the Community Redevelopment Law (Part 1 (commencing with Section 33000) of Division 24 of the Health and Safety Code).

Section 205. JUNIOR ACCESSORY DWELLING UNIT (“JADU”), as defined by Gov. Code § 65852.22, means a unit that is no more than 500 square feet in size and contained entirely within a single-family residence. A junior accessory dwelling unit may include separate sanitation facilities, or may share sanitation facilities with the existing structure.

ARTICLE III. GENERAL PROVISIONS

Section 301. The District shall not impose an IMPACT FEE, CAPITAL FACILITIES CHARGE or SEWER CONNECTION FEE on an ADU that is less

than 1,200 sq. ft. Any IMPACT FEE, CAPITAL FACILITIES CHARGE or SEWER CONNECTION FEE charged for an ADU of 1,200 sq. ft. or more shall be charged proportionately in relation to the square footage of the primary dwelling unit.

Section 302. For an ADU or JADU the District shall not require the installation of a new or separate sewer connection directly between the ADU and the District sewer main or impose an IMPACT FEE, CAPITAL FACILITIES CHARGE, SEWER CONNECTION FEE or a capacity charge, unless the ADU or JADU was constructed with a new single-family home, if the following apply:

- (a) Where the ADU or JADU meets the Design Characteristics, Parking criteria, Setbacks, applicable Building and Septic Code requirements, Density, and other requirements imposed by the City or County, whichever governmental entity has the jurisdiction and authority to approve and permit the construction of an ADU or JADU; and
- (b) Where the total floor area of the ADU is not more than 1,200 sq. ft.; or
- (c) Where the total floor area of the JADU is not more than 500 sq. ft. and contained entirely within the single-family structure.

Section 303. For an ADU not described in Section 302, above, the District may require a new or separate sewer connection directly between the ADU and the District's sewer main.

Section 304. For purposes of providing sewer service, including the imposition of a SEWER CONNECTION FEE, a JADU shall not be considered a separate or new dwelling unit.

ARTICLE 2. ADOPTION AND NOTIFICATION

This Ordinance shall take effect and be in force either seven (7) days from the date of its passage and publication or as of May 18, 2021, whichever is later. The Ordinance or a summary of it shall be published once, with the names of the members of the Board of Directors of the Las Gallinas Valley Sanitary District of Marin County, California, voting for and against the same in the Marin Independent Journal, a newspaper of general

circulation published in the County of Marin. A certified copy of the full text of the proposed regulation or ordinance or proposed amendment to same shall be posted in the office of the clerk of the board, along with the names of those board members voting for and against the ordinance.

Furthermore, within sixty (60) days following adoption of this Ordinance by the Board, a copy of the Ordinance shall be submitted to Department of Housing and Community Development for review by the Department to determine whether the Ordinance complies with the requirements of Gov. Code §§ 65852.2.

I hereby certify that the foregoing is a full, true and correct copy of the Ordinance duly and regularly passed and adopted by the Board of Directors of the Las Gallinas Valley Sanitary District of Marin County, California, at a meeting hereof held on May 6, 2021 by the following vote of members thereof:

AYES:
NOES:
ABSENT:
ABSTAIN:

Teresa Lerch, District Secretary
Las Gallinas Valley Sanitary District

APPROVED:

Crystal J. Yezman, Board President

(seal)

Agenda Summary Report

To: LGVSD Board of Directors
From: Mike Prinz, General Manager *MP*
(415) 526-1511 mprinz@lgvsd.org
Meeting Date: April 1, 2021
Re: Draft 2020-2025 Strategic Plan
Item Type: Consent _____ Action X Information _____ Other _____
Standard Contract: Yes _____ No _____ (See attached) Not Applicable X

STAFF RECOMMENDATION

Board to review and discuss the format and content of the draft 2020-2025 Strategic Plan and provide comments to staff regarding any desired changes.

BACKGROUND

The Board established new strategic initiatives in 2019 and subsequently approved, through the FY 20/21 budget approval and General Manager Performance Review processes, both the 2020 and 2021 tactical goals. The current District Strategic Initiatives are:

1. Improve Operational Efficiency
2. Establish Beneficial Use of Biosolids
3. Improve Operational Resilience
4. Conduct Organizational Review
5. Develop Asset Management System
6. Improve Facility Use, Access and Planning

The Board has made significant strides in defining the District's current strategic initiatives, which Staff have been actively pursuing since 2019. The District's Strategic Plan document has not been updated until recently, primarily due to workload impacts associated with the coronavirus pandemic, and the extended vacancy of the Administrative Services Manager Position through the summer of 2020. Staff have worked with Chris Sliz of Regional Governmental Services (RGS) to develop the attached, draft Strategic Plan, which is intended to exist for at least the 2020-2025 strategic planning period, with intermittent strategy updates during this timeframe as needed. Strategic initiatives are intended to be overarching objectives which are incrementally attained through pursuit of the associated tactical goals. By their very nature, tactical goals are shorter lived than strategic initiatives and, therefore, are intended to be defined annually during the 5 year planning period.

The current draft strategic plan has been streamlined substantially and includes explicit clarification regarding the concepts of strategic initiatives, tactical goals, and the District's vision statement. It now includes a new section titled 'Commitments to the Community,' which had previously been referenced as the District's vision statement. To clarify, a vision statement, by definition, is a time dependent statement intended to embody the District's vision for the current planning period, in contrast to the more general and essentially permanent quality of the District's



previous vision statement. Due to the inherent time dependency of a vision statement, it should be a unifying statement of the collective essence of the current group of strategic initiatives. Chris Sliz worked with Executive Management to develop the following proposed 2020-2025 vision statement with the intent to capture the collective intent of the current strategic initiatives:

“Strengthen the District utilizing practical operations and staffing models that focus on efficiency, optimization of resources, resilience, and organizational health.”

PREVIOUS BOARD ACTION

The Board conducted Strategic Planning Workshops on May 21, June 27, and August 28, 2019, held budget workshops on April 17, and April 27, 2020. The Board also discussed 2020 and 2021 tactical goals when it conducted General Manager performance evaluations in May and December, 2020.

ENVIRONMENTAL REVIEW

Certain tactical goals may require environmental review prior to completion, however many are purely administrative in nature and will not require review. Considering this, approval of the strategic planning document itself does not require environmental review.

FISCAL IMPACT

There are no direct fiscal impacts of a strategic plan approval, however numerous tactical goals associated with the strategic initiatives cannot be attained without budgetary allocations, some of which are potentially substantive. Such allocations would be subject to budget approval and, frequently, award of contracts to consultants and vendors.



San Rafael, California

2020-2025 Strategic Plan

March, 2021



**Come take a wastewater treatment plant tour
or visit our wildlife water reclamation area.**

TABLE OF CONTENTS

	Page
Directory of Officials.....	2
Introduction.....	3
Definitions.....	3
Plan Development and On-going Planning Process.....	3
Mission Statement, Vision Statement, Community Commitments.....	4
Strategic Initiatives.....	5
Tactical Goal Status.....	7

DRAFT

DIRECTORY OF OFFICIALS

GOVERNING BOARD OF DIRECTORS

Crystal Yezman, 2021 President
Megan Clark, 2021 Vice President
Craig Murray, Director
Rabi Elias, Director
Judy Schriebman, Director

DISTRICT MANAGEMENT

Mike Prinz, P.E., General Manager
Michael Cortez, P.E., District Engineer
Mel Liebmann, Plant Manager
Dale McDonald, Administrative Services Manager
Greg Pease, Collection System/Safety Manager

CONSULTANT

Chris Sliz, Regional Government Services (RGS)

DRAFT

INTRODUCTION

A Strategic Plan is a top level planning document for an organization to set clear direction over all strategic and tactical aspects of its mission. Upon adoption, it serves as a framework for decision making over a five-year period.

This Strategic Plan (Plan) update incorporates an assessment of the present state of Las Gallinas Valley Sanitary District (District) operations. Its development required gathering and analyzing information; goal setting; and making decisions for the future. The Plan seeks to strengthen and build upon opportunities while addressing areas of concern.

DEFINITIONS

1. **Mission Statement:** A declaration of the organization's purpose and ultimately why the organization exists. Ideally, all activities of the District should be in support of the Mission Statement.
2. **Vision Statement:** A time-dependent statement that articulates how the District intends to change and grow over the term of the Plan.
3. **Commitments to the Community:** Commitments that reflect what we value when faced with options and alternatives for our future. We use these as decision filters each time we make decisions as a District.
4. **Strategic Initiatives:** Broad areas of emphasis that are anticipated to last as long (or longer than) the strategic planning period, subject to Board review.
5. **Tactical Goals:** Specific activities or targets that address changes the District is pursuing. These are updated annually. Day-to-day actions and projects that are routinely part of District operations are not included in the Strategic Plan.

The Board is responsible for establishing the strategic direction for the organization by identifying key strategic initiatives.

PLAN DEVELOPMENT AND ON-GOING PLANNING PROCESS

The Board conducted Strategic Planning Workshops, facilitated by RGS, on May 21, June 27, and August 28, 2019, and held budget workshops on April 17, and April 27, 2020, during which tactical goals were discussed. The Board also discussed 2020 and 2021

tactical goals when it conducted General Manager performance evaluations in May and December, 2020. The General Manager meets with District Managers periodically throughout the year to delegate, develop, and track status of all tactical goals. The 2020-2025 Plan was developed with support from RGS.

A key part of an enduring Strategic Planning process is to conduct a periodic/annual review and update of the Plan. These reviews allow for maintenance of the Plan so that it reflects the actual progress, current operational conditions and needs of the District. As a result, this Strategic Plan focuses on specific District goals rather than day-to-day operations.

The Board is responsible for establishing the strategic direction for the organization by identifying key strategic initiatives. District staff is responsible for the operational implementation of the tactical goals that will lead to the fulfillment of the strategic initiatives.

MISSION STATEMENT, VISION STATEMENT, COMMUNITY COMMITMENTS

Our Mission

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

Our 2020-2025 Vision (PROPOSED)

Strengthen the District utilizing practical operations and staffing models that focus on efficiency, optimization of resources, resilience, and organizational health.

Our Commitments to the Community *(Previously referenced as 'Vision Statement')*

Recognizing that sanitation and wastewater treatment is vital to protecting the public health, the District will:

- manage our treatment and collection systems in a planned and sustainable way to reduce impact on natural resources;
- strive for zero spills;
- meet or exceed regulatory requirements for treatment (effluent, emissions and biosolids);
- strive toward beneficial recycling of wastewater, biosolids and other resources using safe and effective processes and systems to achieve our zero waste vision;
- collaborate with neighboring agencies to achieve efficiencies for the public;

- cooperate with stakeholders to leverage opportunities for protecting the bay and regional water resources;
- maintain a safe, high quality workplace to promote a sustainable, motivated, long-term and cohesive workforce;
- increase public education, participation, acceptance and understanding of what we do;
- responsibly manage the refuse franchise;
- consider climate change, sea level rise and flooding when developing and designing new projects;
- provide high quality customer service; (moved from past “Core Values” statement) and
- use public funds responsibly (Moved from past “Core Values” statement)

STRATEGIC INITIATIVES

Strategic Initiatives represent the vital areas of the District’s operation, planning, and management over the next five years. Strategic Initiatives are defined by the Board of Directors and set overall areas of focus for the current strategic planning period, 2020-2025.

The 2020-2025 Strategic Initiatives are, in prioritized order:

1. Improve Operational Efficiency

The District consumes a wide range of material, supplies, staff time, and energy as a result of normal operations. Developing a greater understanding of the use patterns and quantities of each will allow the District to operate more efficiently, effectively getting the same job done with less cost.

2. Establish Beneficial Use of Biosolids

Biosolids are a residual material normally generated through the wastewater treatment and solids digestion process. Biosolids generated by the District are not currently utilized for a beneficial purpose, however District biosolids are a resource that can be used to support agriculture in the District’s reclamation area and/or utilized in a compost operation.

3. Improve Operational Resilience

All utility systems encounter changes that affect continuity of operations, whether they are related to infrastructure failures, disasters, operational emergencies, or material

supply problems. The District can improve operational resilience by anticipating changes and preparing for them in advance.

4. Conduct Organizational Review

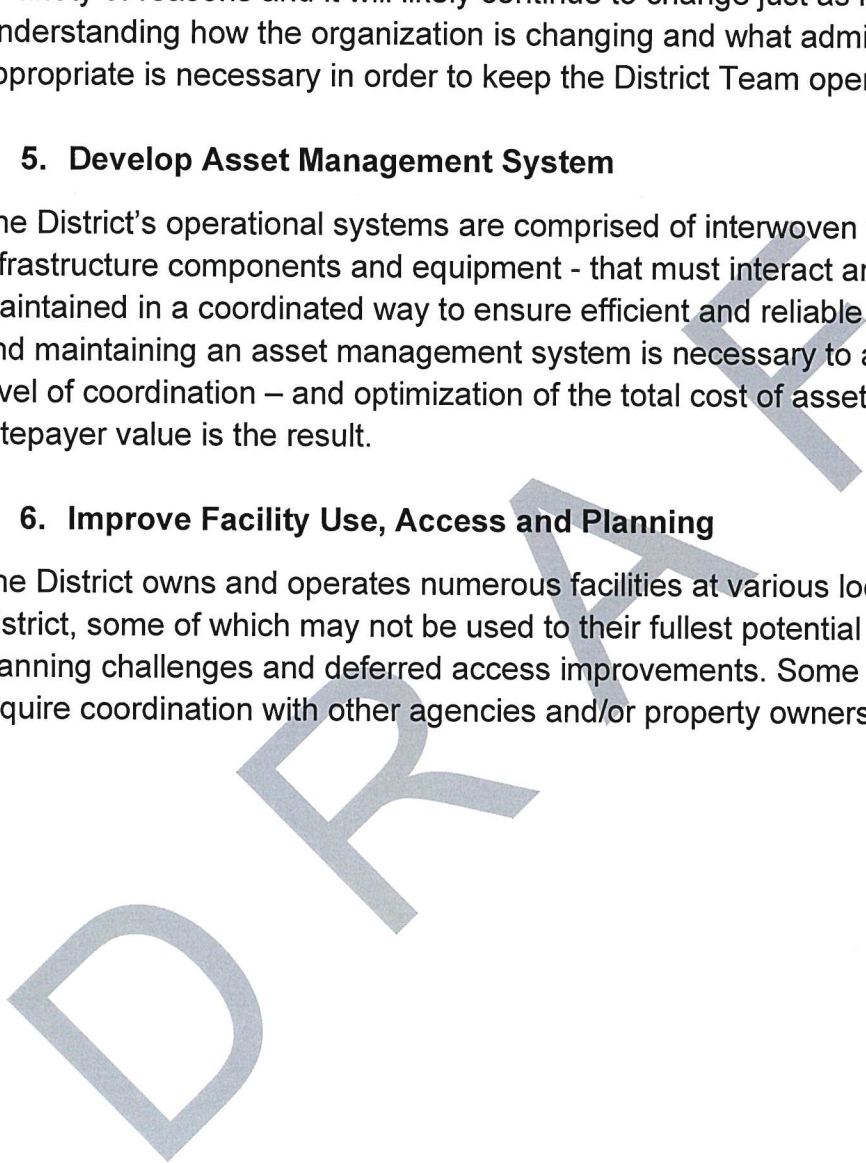
The organization of the District has undergone changes over the past several years for a variety of reasons and it will likely continue to change just as most organizations do. Understanding how the organization is changing and what administrative responses are appropriate is necessary in order to keep the District Team operating at its best.

5. Develop Asset Management System

The District’s operational systems are comprised of interwoven webs of assets – infrastructure components and equipment - that must interact and be operated and maintained in a coordinated way to ensure efficient and reliable operations. Developing and maintaining an asset management system is necessary to achieve an optimum level of coordination – and optimization of the total cost of asset ownership and ratepayer value is the result.

6. Improve Facility Use, Access and Planning

The District owns and operates numerous facilities at various locations throughout the District, some of which may not be used to their fullest potential due to long range planning challenges and deferred access improvements. Some access improvements require coordination with other agencies and/or property owners.



TACTICAL GOAL STATUS

Because of the many ongoing challenges presented by COVID, many of the tactical goals listed below could be deferred or modified if necessary.

The tactical goals, and their status, are not individually prioritized. Future year tactical goals will be established and added to the Strategic Plan annually.

Strategic Initiative One: Improve Operational Efficiency

Tactical Goals 2019-2020	Status
1. Expand recycled water facility and continue construction of secondary process infrastructure	In Process
2. Initiate Large Integrated Audit (LIA) through PG&E	Completed
3. Issue RFP for Financial System Upgrade and start implementation – goal is to develop FY 21-22 budget on new platform	Moved to FY 20-21, in progress
4. Issue RFP for on-call engineering contract	Completed
5. Start training of collections/maintenance staff regarding operations and maintenance of pump stations under WWTP operations staff responsibility	Completed

Tactical Goals 2021	Status
1. Issue RFP for Financial Systems Upgrade and start implementation. Goal to develop 21-22 budget on new platform	In progress
2. Pursue work plan development through OE3	Pending
3. Determine most needed operational metrics	Pending
4. Train managers and staff on use of new financial system	Pending
5. Obtain direction from Kennedy Jenks regarding optimal power monitoring locations	Pending
6. Invite bids for next on call construction contract	Pending
7. Report to Board regarding LIA findings to-date	Pending
8. Initiate Irrigation Equipment Evaluation	Pending
9. Establish housekeeping zones	Complete
10. Document easement/facility condition review process	Pending
11. Propose streamlined performance evaluation form	Pending
12. Administrative clean up: <ul style="list-style-type: none"> a. Improved billing SOPs b. Streamline warrant list processing/Board review c. Improve bank account organization/management d. Review RGS Evaluation of Finance Management, Operations and internal controls and prioritize recommended changes 	In progress

Strategic Initiative Two: Establish Beneficial Use of Biosolids

Tactical Goals 2019-2020	Status
1. Determine LGVSD capacity for class B land application of biosolids in the reclamation area	Complete
2. Review and finalize Reclamation Biosolids Land Application Capacity Report	Complete
3. Augment consultant contract to start to investigate compost facility feasibility	In Process

Tactical Goals 2021	Status
1. Complete compost feasibility report	Pending
2. Initiate land application permit process	Complete
3. Establish MOU/LOI with Marin County Sanitary Districts	Pending
4. Conduct dewatering cost/benefit analysis	Pending
5. Conduct compost market survey	Pending
6. Establish plan for compost pilot project if feasible	Pending
7. Issue RFP for exclusive right to negotiate with potential 3 rd party biosolids land application operators	Pending
8. Establish exclusive right to negotiate and target operational agreement execution for 2022	Pending

DRAFT

Strategic Initiative Three: Improve Operational Resilience

Tactical Goals 2019-2020	Status
1. Replenish hand tool inventory	Complete
2. Establish tool management system	Complete
3. Investigate partnering with CMSA and NSD for safety program management	Complete
4. Investigate participation in CALWARN	Complete
5. Investigate buying vs. renting generators for pump stations without them	Complete
6. Review and propose enhanced weekend staffing plans	Complete
7. Implement fire detection for Plant admin building	Complete
8. Hire HR Services Consultant	Complete

Tactical Goals 2021	Status
1. Hire consultant to develop ongoing ICS training program	In progress
2. Obtain satellite phone system and establish training	In progress
3. Establish maintenance division within Collections	In progress
4. Establish Environmental Compliance department	In progress
5. Conduct official lighting study	
6. Improve facility lighting at known areas of deficiency	In progress
7. Determine ways to improve internet access to 300 Smith Ranch Road	Pending
8. Contract with firm to conduct cyber security assessment of all District networks	Pending
9. Upgrade fencing and gates at various facilities with focus on pump stations	Pending
10. Evaluate which one-time opportunities from the Business Risk and Vulnerability (BRVA) should be pursued, which should be pursued independently, and which should be tied to the LIA	In progress
11. Review reserve policy and propose modifications as appropriate	In progress
12. Clarify/consolidate O/M contingency accounts	In progress
13. Clarify/consolidate CIP contingency accounts	In progress
14. Investigate development of staff wellness program	Pending
15. Update emergency response plan, incorporating communicable disease response plan	Pending
16. Investigate partnering with Marin County Parks regarding recreational component of reclamation operations	Pending
17. Create Environmentally Sustainable Operations, Maintenance and Materials Policy	Pending
18. Finish Flow Equalization Basin Design	Pending
19. Establish DOC process/roles	Pending

20. Conduct first DOC Drill	Pending
21. Procure next round of vehicle replacements	Pending
22. Evaluate reclamation safety issues	In progress
23. Evaluate viability of RNG system – on site and off site fueling	In progress
24. Evaluate and establish Mulligan PS winter setpoints (if appropriate)	Done
25. Review and update COVID SSPP as needed	Done

DRAFT

Strategic Initiative Four: Conduct Organizational Review

Tactical Goals 2019-2020	Status
1. Complete core functions (Organizational Analysis) study	Continued
2. Hold Organizational Analysis study workshop	COVID Delay
3. Review/revise Board policies as requested by Board	Continued

Tactical Goals 2021	Status
1. Finalize Strategic Plan Document	In-Process
2. Conduct biannual Board retreats – December and July	COVID Delay
3. Complete classification and compensation study	Done
4. Develop job descriptions and set salaries for new positions	Done
5. Implement personnel policy revisions	In progress
6. Establish new labor and management contracts	In progress
7. Review COVID SSPP and revise as needed.	In progress
8. Evaluate electrical safety training augmentation needs	In progress

DRAFT

Strategic Initiative Five: Develop Asset Management System

Tactical Goals 2019-2020	Status
1. Develop 5+ year CIP budget template	In Process
2. Continue development of Master Plan	In Process
3. Establish Fleet Replacement Fund (FRF)	In Process
4. Confirm asset management software platform prior to potential expansion of CityWorks	Complete
5. Initiate creation of an LGVSD Design Document Archive	Complete

Tactical Goals 2021	Status
1. Develop 5+ year CIP budget template	Continue
2. Continue development of Master Plan Phase II	Continue
3. Evaluate the need for asset management related training for staff	Pending
4. Review Fleet Replacement Fund calculations and adjust as needed.	Pending
5. Hire consultant to assist with CityWorks implementation	Task 1 of 4: complete
6. Start migration of Antero data into CityWorks	Pending
7. Load secondary treatment asset data into CityWorks	Pending
8. Evaluate CityWorks module procurement budget needs	Pending
9. Conduct CityWorks training for all operational staff and select additional staff	Pending
10. Start establishing CityWorks work order process	Pending

DRAFT

Strategic Initiative Six: Improve Facility Use, Access and Planning

Tactical Goals 2019-2020	Status
1. Discuss Smith Ranch Road safety concerns with City of San Rafael	Done
2. Complete administrative building site evaluation	Done
3. Initiate discussions for property acquisition if required	Done
4. Repair reclamation storage building roof	Done
5. Complete flow equalization basin siting analysis	In progress
6. Modify existing administrative building <ul style="list-style-type: none"> a. Augment locker room Square footage b. Relocate Operator Control Room c. Relocate Collections meeting area d. Rehabilitate older locker room area 	Complete Complete Complete pending

Tactical Goals 2021	Status
1. Establish conceptual elevation views for admin building at existing admin building site for comparison with prior work	Complete
2. Finalize admin building site selection	Pending
3. Issue RFP for Admin Building Design and establish contract with design consultant	Pending
4. Initiate Admin Building Design	Pending
5. Modify existing administrative building: rehabilitate older locker room area	Pending
6. Establish material storage area in reclamation area	In progress
7. Assess needs for increasing protected mobile equipment and materials storage areas	Pending
8. Pursue satellite staging area in collection system	Pending
9. Improve functionality of existing plant shop area	In progress
10. Expand and surface reclamation storage building perimeter area and upgrade fencing	In progress
11. Identify and remedy missing, unhistorized data – primarily for pump stations	Pending
12. Identify and map all known, inaccessible forcemain and ARV locations.	Pending

Other Objectives

2021	Status
1. Support wastewater operations' start up and operational familiarization with the Biowheel process.	In progress
2. Initiate commercial and multi-family lateral inspection process and ordinance revision	Pending
3. Complete 2-year rate study and Proposition 218 notice. a. Preview MMWD 2020 water use data for input into rate study	In progress
4. Conduct FY20 audit and Comprehensive Annual Financial Report and present to Board	Pending
5. Investigate potential partnering with St. Vincent's regarding recycled water supply and biosolids disposal	complete
6. Establish Maintenance Division Budget	In progress
7. Establish Environmental Compliance Division Budget	In progress
8. Work with R3/MSS regarding SB1383 Ordinance	Pending

DRAFT

AGENDA ITEM 6

4/1/2021

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.

4/1/2021

BOARD MEMBER REPORTS

CLARK

NBWA Board Committee, 2021 Admin Building Ad Hoc Committee, Other Reports

ELIAS

NBWRA , Ad Hoc Engineering Sub-Committee re: STPURWE, 2021 GM Evaluation Ad Hoc Subcommittee, 2021 Admin Building Ad Hoc Committee, Other Reports

MURRAY

Marin LAFCO, CASA Energy Committee, 2021 GM Evaluation Ad Hoc Subcommittee, 2021 Legal Services Ad Hoc Committee, Marin Special Districts Association, Other Reports

SCHRIEBMAN

Gallinas Watershed Council/Miller Creek Watershed Council, JPA Local Task Force, NBWA Tech Advisory Committee, Other Reports

YEZMAN

Flood Zone 7, CSRMA, Ad Hoc Engineering Sub-Committee re: STPURWE, 2021 Legal Services Ad Hoc Committee, Other Reports



AGENDA

Agenda Item 7-3
Date April 1, 2021

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

Meeting Date/Time: March 25, 2021 / 8:30 – 10:30 am
Meeting Location: Zoom Link (provided in the meeting appointment)
Dial-in: Zoom Call-In (provided in the meeting appointment)

COMMENCEMENT

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

LEGISLATIVE UPDATE

	ITEM	LEAD	STATUS
1.	2021 Bill Cycle Water-Energy Coalition	Jessica/ Alma	Bill Review – see updated ACE Bill Report attachment Water-Energy Bond Ask Subgroup
2.	Governor’s Budget	Jessica	January Budget, Climate Catalyst Fund

PRIORITY ISSUES/ACTION ITEMS

	ITEM	LEAD	NOTES
1.	COVID-19	Greg	Resources on CASA Website , CWEA webinar: Mar 24, CASA/CWEA webinar: April 21, Wastewater Based Epidemiology (WBE)
2.	PFAS	Greg Jared	SWRCB Order response update, Clean Water Summit Partners workshop: TBD early April, EPA problem formulation thru 2021
3.	Criteria Pollutants & Toxics Emissions Reporting & AB 2588 Toxics Program	Sarah David	CASA Air Toxics Subgroup, proposed CTR and EICG , comments on informal changes, formal 15-Day Changes to be released in March
4.	SB 1383: Organic Waste Methane Emissions Reductions	Greg	SB 1383 , enforcement remains on schedule, regulations, impacts to POTWs , Final Statement of Reasons released
5.	SB 100 Joint Agency Report	Sarah	Revised report released Mar 15
6.	CPUC Self-Generation Incentive Program	Greg	CASA responds to Commissioner questions Mar 22
7.	CARB Advanced Clean Truck Rule (2020) & Advanced Clean Fleet Rule (2021)	Sarah	Advanced Clean Vehicle Subgroup, One-Time Reporting by Apr 1, zero emission truck/bus fleet by 2045 , Coalition meeting Mar 25, Comments due on Mar 2/4 presentation on Mar 31
8.	Regional Hot Topic: BAAQMD BACT for Large Emergency Diesel Engines	Sarah	BAAQMD determined Tier 4 engines achieved in practice as BACT Dec 22, applying to permits deemed complete since Jan 1, 2020
9.	Healthy Soils Initiative and Natural & Working Lands Climate Change Implementation Plan	Sarah Greg	SF Bay RWQCB EO working with SWRCB and other RWQCBs EOs to discuss biosolids land application for achieving climate change mitigation goals, met Mar 22
10.	Carbon Sequestration Meta-Analysis	Sarah	Request for systematic article reviews and data extraction

DISCUSSION/INFORMATIONAL ITEMS

	ITEM	LEAD	NOTES
1.	CA Adaptation: SWRCB/RWQCBs, Coastal Commission efforts	Sarah	Climate Change Preparedness Subgroup, SWRCB Survey to come in 2021, SWRCB climate change update Mar 16, meeting Mar 30
2.	BAAQMD Climate Pollutants Regulation	Sarah	Regulation 13 suspended, Organic Recovery Technical Working Group BMPs for controlling CH ₄ /VOCs, BACWA to Survey POTWs
3.	Central Valley Salinity Alternatives for Long-Term Sustainability (CV SALTS)	Debbie Layne	Notice to Comply for salinity released, nutrient management early action plans released
4.	SCAQMD Rule 1118.1 (to limit NOx)	David	Status of mandated research
5.	Soil Enrichment Protocol	Sarah	Webinar overview – targeting April 8
6.	Biosolids & Fire Reclamation Efforts	Greg	Status of Las Virgenes/Calabasas, sampling into spring 2021
7.	USFS Wood Innovation Grant	Greg	2-yr project testing use of biochar for odor control, Final Report
8.	Biogas/Biomethane Management: EPA Renewable Fuel Standard RINs	Greg	Communication with Kurt Gustafson to resume Q1 2021 to discuss the R3 vs R5 value for sludge-based vs codigestion-based biogas

UPCOMING CONFERENCES/EVENTS

NAME	DATE/LOCATION
WEF ABBA (Association of Biosolids & Byproducts Associations)	March 29 (teleconference)
CASA/CWEA COVID-19 in Wastewater Webinar	April 21
CWEA Partnering for Impact Workshop	May 5 (includes session on innovative uses of biosolids)
WEF Residuals & Biosolids Conference	May 11-14 (Virtual)

NEXT MEETING: April 22nd, 8:30 to 10:30 am (webinar/conference call)



AGENDA

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

Additional topics we review periodically for progress or changes:

State

- CARB Natural & Working Lands
- CARB Mandatory GHG Reporting Regulation
- CARB 2030 Target Scoping Plan
- CEQA Guidance on GHG Emissions
- CNRA Climate Change Assessment
- CNRA Online CA Sea Level Rise Database
- CNRA Safeguarding CA: Implementation Action Plans
- CEC Climate Change Research Plan
- OEHHA CalEnvironScreen Tool
- California's Climate Future report (by Governor Brown)
- Funding opportunities

Regional Adaptation Collaboratives

- Bay Area Climate Adaptation Network (BayCAN)
- San Francisco Bay Regional Coastal Hazards Adaptation Resiliency Group (CHARG)
- Southern California Association of Governments (SCAG) Regional Climate Adaptation Framework

National

- NEPA Guidance on GHG Emissions
- EPA EJScreen Tool
- WERF Phase II Project (lab scale based model) - N₂O Emissions from Wastewater Treatment Processes
- WERF High Quality Biosolids from Wastewater Project
- EPA Mandatory GHG Reporting Regulation Updates
- EPA Clean Power Plan (on stay)
- EPA Existing Source Performance Standards
- EPA Biogenic Emissions Accounting Framework
- White House Budget for DOE Energy Efficiency and Renewable Energy Programs
- NACWA Energy Workgroup
- NACWA Climate & Resilience Workgroup
- Funding opportunities

International

- Global GAP (Good Agricultural Practices) & Biosolids
- IWA Nitrous Oxide Modeling

ACE Tracked Bill List Tuesday, March 23, 2021

AB 64

(Quirk D) Electricity: renewable energy and zero-carbon resources: state policy: strategy.

Current Text: Introduced: 12/7/2020 [html](#) [pdf](#)

Introduced: 12/7/2020

Status: 1/11/2021-Referred to Coms. on U. & E. and NAT. RES.

Location: 1/11/2021-A. U. & E.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current requires the PUC, the State Energy Resources Conservation and Development Commission (Energy Commission), and the State Air Resources Board (state board) to, in consultation with all California balancing authorities, issue a joint report to the Legislature by January 1, 2021, and at least every 4 years thereafter, that includes specified matters. The bill would require the PUC, Energy Commission, and state board, in consultation with all balancing authorities, to additionally develop a strategy, by an unspecified date, on how to achieve the above-described state policy in a cost-effective and environmentally beneficial manner. The bill would require the strategy to include, among other things, a plan to promote the development of technologies that can help achieve that state policy.

Position

Refer to ACE
Committee

Subject

AB 67

(Petrie-Norris D) Sea level rise: working group: economic analysis.

Current Text: Introduced: 12/7/2020 [html](#) [pdf](#)

Introduced: 12/7/2020

Status: 1/11/2021-Referred to Com. on NAT. RES.

Location: 1/11/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require a state agency to take into account the current and future impacts of sea level rise when planning, designing, building, operating, maintaining, and investing in infrastructure located in the coastal zone or otherwise vulnerable to flooding from sea level rise or storm surges, or when otherwise approving the allocation of state funds for those purposes. The bill would require, by March 1, 2022, the Ocean Protection Council, in consultation with the Office of Planning and Research, to establish a multiagency working group, consisting of specified individuals, on sea level rise to provide recommended policies, resolutions, projects, and other actions to address sea level rise, the breadth of its impact, and the severity of its anticipated harm. The bill would require the council, in consultation with the working group to, among other things, develop a standardized methodology and template for conducting economic analyses of risks and adaptation strategies associated with sea level rise, as provided.

Position

Refer to ACE
Committee

Subject

AB 72

(Petrie-Norris D) Environmental protection: Natural Resources Agency: coastal adaptation projects: sea level rise: regulatory review and permitting: report.

Current Text: Introduced: 12/7/2020 [html](#) [pdf](#)

Introduced: 12/7/2020

Status: 1/11/2021-Referred to Com. on NAT. RES.

Location: 1/11/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would enact the Coastal Adaptation Permitting Act of 2021. The bill would require the agency to explore, and authorize it to implement, options within the agency's jurisdiction to establish a more coordinated and efficient regulatory review and permitting process for coastal adaptation projects, as defined. The bill would require the agency to submit, by July 1, 2023, a report to the Legislature with suggestions and recommendations for improving and expediting the regulatory review and permitting process for coastal adaptation projects.

Position

Refer to ACE
Committee

Subject

AB 96

(O'Donnell D) California Clean Truck, Bus, and Off-Road Vehicle and Equipment Technology

Program.

Current Text: Amended: 3/22/2021 [html](#) [pdf](#)

Introduced: 12/7/2020

Last Amend: 3/22/2021

Status: 3/22/2021-From committee chair, with author's amendments: Amend, and re-refer to Com. on TRANS. Read second time and amended.

Location: 1/11/2021-A. TRANS.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conf. Conc.			

Summary: The California Clean Truck, Bus, and Off-Road Vehicle and Equipment Technology Program, upon appropriation from the Greenhouse Gas Reduction Fund, funds zero- and near-zero-emission truck, bus, and off-road vehicle and equipment technologies and related projects. The program provides that projects eligible for funding include, among others, technology development, demonstration, precommercial pilots, and early commercial deployments of zero- and near-zero-emission medium- and heavy-duty truck technology, and requires, until December 31, 2021, no less than 20% of funding made available for that purpose to support early commercial deployment of existing zero- and near-zero-emission heavy-duty truck technology. The program defines "zero- and near-zero-emission" for its purposes. This bill would extend the requirement that 20% of funding be made available to support early commercial deployment of existing zero- and near-zero-emission heavy-duty truck technology until December 31, 2026.

Position	Subject
Refer to ACE Committee	

AB 284 (Rivas, Robert D) California Global Warming Solutions Act of 2006: climate goal: natural and working lands.

Current Text: Introduced: 1/21/2021 [html](#) [pdf](#)

Introduced: 1/21/2021

Status: 1/28/2021-Referred to Com. on NAT. RES.

Location: 1/28/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conf. Conc.			

Summary: The California Global Warming Solutions Act of 2006 requires the State Air Resources Board to prepare and approve a scoping plan for achieving the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions and to update the scoping plan at least once every 5 years. This bill would require the state board, when updating the scoping plan and in collaboration with the Natural Resources Agency and other relevant state agencies and departments, to take specified actions by January 1, 2023, including, among others, identifying a 2045 climate goal, with interim milestones, for the state's natural and working lands, as defined, and identifying practices, policy incentives, market needs, and potential reductions in barriers that would help achieve the 2045 climate goal. The bill would require the state board, no later than January 1, 2024, to develop standard methods for state agencies to consistently track greenhouse gas emissions reductions, carbon sequestration, and additional benefits from natural and working lands over time.

Position	Subject
Refer to ACE Committee	

AB 426 (Bauer-Kahan D) Toxic air contaminants.

Current Text: Amended: 3/17/2021 [html](#) [pdf](#)

Introduced: 2/4/2021

Last Amend: 3/17/2021

Status: 3/18/2021-Re-referred to Com. on NAT. RES.

Location: 2/12/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf.	Enrolled	Vetoed	Chaptered
1st House				2nd House				Conf. Conc.			

Summary: Current law authorizes local air pollution control districts and air quality management districts, in carrying out their responsibilities with respect to the attainment of state ambient air quality standards, to adopt and implement regulations that accomplish certain objectives. This bill would additionally authorize the districts to adopt and implement regulations to require data regarding air pollution within the district's jurisdiction from indirect and areawide sources of air pollution, including mobile sources drawn by those sources, to enable the calculation of health risks from toxic air contaminants. This bill would additionally authorize the districts to adopt and implement regulations to accomplish these objectives in carrying out their responsibilities with respect to the reduction of health risks from toxic air contaminants.

Position	Subject
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Refer to ACE
Committee

AB 649 (Bennett D) Department of Resources Recycling and Recovery: Office of Environmental Justice and Tribal Relations.

Current Text: Amended: 3/11/2021 [html](#) [pdf](#)

Introduced: 2/12/2021

Last Amend: 3/11/2021

Status: 3/15/2021-Re-referred to Com. on NAT. RES.

Location: 3/11/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: The California Integrated Waste Management Act of 1989 establishes in the California Environmental Protection Agency the Department of Resources Recycling and Recovery with specified powers and duties relating to waste management. This bill would establish the Office of Environmental Justice and Tribal Relations within the department. The bill would prescribe the duties of the office, including, among others, ensuring that the department's programs effectively address the needs of disadvantaged communities, low-income communities, California Native American tribes, and farmworkers.

Position

Refer to ACE
Committee

Subject

AB 1005 (Muratsuchi D) Scientific Review Panel on Toxic Air Contaminants.

Current Text: Introduced: 2/18/2021 [html](#) [pdf](#)

Introduced: 2/18/2021

Status: 2/19/2021-From printer. May be heard in committee March 21.

Location: 2/18/2021-A. PRINT

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law creates and establishes a 9-member Scientific Review Panel on Toxic Air Contaminants to advise the State Air Resources Board and the Department of Pesticide Regulation in their evaluation of the health effects toxicity of toxic air contaminants and pesticides and prescribes the manner in which the members shall be appointed. This bill would make nonsubstantive changes to these provisions.

Position

Refer to ACE
Committee

Subject

Spot Bills

AB 1027 (Seyarto R) Solid and organic waste.

Current Text: Introduced: 2/18/2021 [html](#) [pdf](#)

Introduced: 2/18/2021

Status: 2/19/2021-From printer. May be heard in committee March 21.

Location: 2/18/2021-A. PRINT

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law declares the policy goal of the state that not less than 75% of solid waste generated be source reduced, recycled, or composted by the year 2020, and annually thereafter. Existing law requires each jurisdiction to implement a solid waste recycling program appropriate for that jurisdiction designed to divert commercial solid waste from businesses subject to specified commercial solid waste recycling requirements. Current law also requires each jurisdiction to implement an organic waste recycling program appropriate for the jurisdiction and designed to specifically divert organic waste generated by businesses subject to specified organic waste recycling requirements. This bill would express the intent of the Legislature to enact subsequent legislation to provide relief from those solid waste recycling, composting, and source reduction requirements and organic waste recycling requirements, for no more than one year, to cities and municipalities struggling due to the impacts of COVID-19.

Position

Refer to ACE
Committee

Subject

AB 1086 (Aguilar-Curry D) Organic waste: implementation strategy.

Current Text: Introduced: 2/18/2021 [html](#) [pdf](#)

Introduced: 2/18/2021

Status: 3/4/2021-Referred to Com. on NAT. RES.

Location: 3/4/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the Natural Resources Agency, in coordination with specified state agencies, and in consultation with stakeholders and relevant permitting agencies, to prepare and submit to the Legislature, by January 1, 2023, a report that provides an implementation strategy to achieve the state’s organic waste, and related climate change and air quality, mandates, goals, and targets. The bill would authorize the Natural Resources Agency to, by July 1, 2022, contract with outside entities, including the California Council on Science and Technology and the University of California, to prepare the report. The bill would require the implementation strategy to include, among other things, recommendations on policy and funding support for the beneficial reuse of organic waste.

Position	Subject
Refer to ACE Committee	

AB 1261 (Burke D) State Air Resources Board: greenhouse gas emissions: incentive programs.

Current Text: Amended: 3/18/2021 [html](#) [pdf](#)

Introduced: 2/19/2021

Last Amend: 3/18/2021

Status: 3/22/2021-Re-referred to Com. on NAT. RES.

Location: 3/18/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the State Air Resources Board, on or before January 1, 2023, to establish specified processes to assist the state in achieving its greenhouse gas emissions reduction goals, including a process to identify any overlap among its incentive programs that share the same objectives and a process to define, collect, and evaluate data on the behavioral changes that result from each of its incentive programs. The bill would require the state board to use the information collected pursuant to these processes to refine the greenhouse gas emissions estimates for each of its incentive programs in its annual reports to the Legislature, its funding plans, and any long-term planning documents or reports.

Position	Subject
Refer to ACE Committee	

AB 1279 (Muratsuchi D) Clean Energy Job Creation Program.

Current Text: Introduced: 2/19/2021 [html](#) [pdf](#)

Introduced: 2/19/2021

Status: 2/22/2021-Read first time.

Location: 2/19/2021-A. PRINT

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: The California Clean Energy Jobs Act, an initiative approved by the voters as Proposition 39 at the November 6, 2012, statewide general election, made changes to corporate income taxes and, except as specified, provides for the transfer of \$550,000,000 annually from the General Fund to the Clean Energy Job Creation Fund for 5 fiscal years beginning with the 2013–14 fiscal year, to be expended for projects that create jobs improving energy efficiency and expanding clean energy generation. This bill would make nonsubstantive revisions to the statement of objectives in the act.

Position	Subject
Refer to ACE Committee	

AB 1296 (Kamlager D) South Coast Air Quality Management District: district board: membership.

Current Text: Introduced: 2/19/2021 [html](#) [pdf](#)

Introduced: 2/19/2021

Status: 3/4/2021-Referred to Com. on NAT. RES.

Location: 3/4/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law establishes the South Coast Air Quality Management District as the district with the responsibility for controlling air pollution from sources other than vehicular sources in the South Coast Air Basin. Current law establishes a district board consisting of 13 members to govern the south coast district. Current law requires one member of the district board to be appointed by the Senate

Committee on Rules and one member to be appointed by the Speaker of the Assembly. This bill would increase the number of members of the district board of the south coast district to 15 members by adding 2 environmental justice appointees, one appointed by the Senate Committee on Rules and one appointed by the Speaker of the Assembly.

Position
Refer to ACE
Committee

Subject

AB 1317 (Berman D) Clean energy.

Current Text: Introduced: 2/19/2021 [html](#) [pdf](#)

Introduced: 2/19/2021

Status: 2/22/2021-Read first time.

Location: 2/19/2021-A. PRINT

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law establishes as policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of retail sales of electricity to California end-use customers and 100% of electricity procured to serve all state agencies by December 31, 2045. This bill would state the intent of the Legislature to enact subsequent legislation to accelerate the state's progress toward having 100% of electricity provided by renewable or other zero-carbon sources while maintaining a reliable and resilient electricity grid.

Position
Refer to ACE
Committee

Subject
Spot Bills

AB 1325 (Burke D) Microgrids: Clean Community Microgrid Incentive Program.

Current Text: Introduced: 2/19/2021 [html](#) [pdf](#)

Introduced: 2/19/2021

Status: 3/4/2021-Referred to Com. on U. & E.

Location: 3/4/2021-A. U. & E.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the PUC to develop and implement a Clean Community Microgrid Incentive Program by 2022 to fund community microgrids that support the critical needs of vulnerable communities that utilize distributed energy resources for the generation of electricity. The bill would establish the budget for the program in an unspecified amount to be dispersed in successive phases to local public agencies for community microgrid development and would require that expenses incurred by a large electrical corporation to fund the program be allocated to all distribution customers of the large electrical corporation on a nonbypassable basis. The bill would require that a third-party administrator that is not a public utility administer the program.

Position
Refer to ACE
Committee

Subject
Spot Bills

AB 1371 (Friedman D) Waste management.

Current Text: Introduced: 2/19/2021 [html](#) [pdf](#)

Introduced: 2/19/2021

Status: 2/22/2021-Read first time.

Location: 2/19/2021-A. PRINT

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: The California Integrated Waste Management Act of 1989 authorizes the Department of Resources Recycling and Recovery to accept grants, gifts, and donations for the purposes of the act. This bill would make nonsubstantive changes to that provision.

Position
Refer to ACE
Committee

Subject
Spot Bills

AB 1559 (O'Donnell D) Energy: Innovative Renewable Energy for Buildings Act of 2021.

Current Text: Amended: 3/18/2021 [html](#) [pdf](#)

Introduced: 2/19/2021

Last Amend: 3/18/2021

Status: 3/22/2021-Re-referred to Com. on NAT. RES.

Location: 3/18/2021-A. NAT. RES.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law requires the State Energy Resources Conservation and Development Commission to administer the Alternative and Renewable Fuel and Vehicle Technology Program to provide financial assistance for the development and deployment of innovative technologies that transform California's fuel and vehicle types to help attain the state's climate change policies. This bill, the Innovative Renewable Energy for Buildings Act of 2021, would, until January 1, 2031, require the commission to establish and implement a program to provide financial incentives to producers for the production of renewable propane, renewable hydrogen, and renewable dimethyl ether meeting certain requirements and that is used as an energy source for buildings in the state.

Position
Refer to ACE
Committee

Subject
Spot Bills

SB 1 (Atkins D) Coastal resources: sea level rise.

Current Text: Introduced: 12/7/2020 [html](#) [pdf](#)

Introduced: 12/7/2020

Status: 3/22/2021-From committee: Do pass as amended and re-refer to Com. on E.Q. (Ayes 7. Noes 2.) (March 16).

Location: 3/16/2021-S. E.Q.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: The California Coastal Act of 1976 establishes the California Coastal Commission and provides for planning and regulation of development in the coastal zone, as defined. The act requires the commission, within 90 days after January 1, 1977, to adopt, after public hearing, procedures for the preparation, submission, approval, appeal, certification, and amendment of a local coastal program, including a common methodology for the preparation of, and the determination of the scope of, the local coastal programs, as provided. This bill would also include, as part of the procedures the commission is required to adopt, recommendations and guidelines for the identification, assessment, minimization, and mitigation of sea level rise within each local coastal program, as provided. The bill would delete the timeframe specified above by which the commission is required to adopt these procedures.

Position
Refer to ACE
Committee

Subject

SB 18 (Skinner D) Green hydrogen.

Current Text: Introduced: 12/7/2020 [html](#) [pdf](#)

Introduced: 12/7/2020

Status: 3/22/2021-From committee: Do pass as amended and re-refer to Com. on E.Q. (Ayes 12. Noes 0.) (March 15).

Location: 3/15/2021-S. E.Q.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the State Air Resources Board, by December 31, 2022, as a part of the scoping plan and the state's goal for carbon neutrality, to prepare a strategic plan for accelerating the production and use of green hydrogen, as defined, in California and an analysis of how curtailed power could be better utilized to help meet the state's greenhouse gas emissions reduction goals.

Position
Refer to ACE
Committee

Subject

SB 27 (Skinner D) Carbon sequestration: state goals: natural and working lands: registry of projects.

Current Text: Amended: 3/1/2021 [html](#) [pdf](#)

Introduced: 12/7/2020

Last Amend: 3/1/2021

Status: 3/16/2021-From committee: Do pass and re-refer to Com. on N.R. & W. (Ayes 5. Noes 0.) (March 15). Re-referred to Com. on N.R. & W.

Location: 3/15/2021-S. N.R. & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require, no later than July 1, 2022, the Natural Resources Agency, in coordination with the California Environmental Protection Agency, the State Air Resources Board, and the Department of Food and Agriculture, to establish carbon sequestration goals for natural and working

lands, as provided. The bill would require the state board, as part of its scoping plan, to establish specified carbon dioxide removal targets for 2030 and beyond.

Position
Refer to ACE
Committee

Subject

SB 83 (Allen D) California Infrastructure and Economic Development Bank: Sea Level Rise Revolving Loan Program.

Current Text: Introduced: 12/15/2020 [html](#) [pdf](#)

Introduced: 12/15/2020

Status: 3/16/2021-From committee: Do pass and re-refer to Com. on GOV. & F. (Ayes 9. Noes 0.) (March 16). Re-referred to Com. on GOV. & F.

Location: 3/16/2021-S. GOV. & F.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would create the Sea Level Rise Revolving Loan Program within the I-Bank to provide low-interest loans to local jurisdictions for the purchase of coastal properties in their jurisdictions identified as vulnerable coastal property. The bill would require the California Coastal Commission, before January 1, 2023, in consultation with the California Coastal Commission, the State Lands Commission, and any other applicable state, federal, and local entities with relevant jurisdiction and expertise, to determine criteria and guidelines for the identification of vulnerable coastal properties eligible for participation in the program. The bill would authorize specified local jurisdictions to apply for, and be awarded, a low-interest loan under the program if the local jurisdiction develops and submits to the bank a vulnerable coastal property plan.

Position
Refer to ACE
Committee

Subject

SB 372 (Leyva D) Medium- and heavy-duty fleet purchasing assistance program: zero-emission vehicles.

Current Text: Amended: 3/4/2021 [html](#) [pdf](#)

Introduced: 2/10/2021

Last Amend: 3/4/2021

Status: 3/18/2021-Re-referred to Coms. on E.Q., TRANS., and JUD. Set for hearing April 12. Referral to Com. on JUD. rescinded because of the limitations placed on committee hearings due to ongoing health and safety risks of the COVID-19 virus.

Location: 3/18/2021-S. E.Q.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Would require the California Pollution Control Financing Authority to establish a program to make financing tools and nonfinancial supports available to the operators of medium- and heavy-duty vehicle fleets to enable those operators to transition their fleets to zero-emission vehicles. The bill would require the authority to consult with various state agencies and stakeholders in the development and implementation of the program.

Position
Refer to ACE
Committee

Subject

SB 418 (Laird D) Sea level rise planning: database.

Current Text: Amended: 3/17/2021 [html](#) [pdf](#)

Introduced: 2/12/2021

Last Amend: 3/17/2021

Status: 3/17/2021-From committee with author's amendments. Read second time and amended. Re-referred to Com. on N.R. & W.

Location: 2/25/2021-S. N.R. & W.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
1st House				2nd House							

Summary: Current law requires the Natural Resources Agency, in collaboration with the Ocean Protection Council, to create, update biannually, and post on an internet website a Planning for Sea Level Rise Database describing steps being taken throughout the state to prepare for, and adapt to, sea level rise. Current law further requires that various public agencies and private entities provide to the agency, on a biannual basis, sea level rise planning information, as defined, that is under the control or jurisdiction of the public agencies or private entities, and requires the agency to determine the information necessary for inclusion in the database, as prescribed. Current law repeals these provisions on January 1, 2023. This bill would extend the sunset date for the above provisions until January 1, 2028.

Position
Refer to ACE
Committee

Subject

SB 759

(Hueso D) Short-lived climate pollutants: methane: organic waste: landfills.

Current Text: Introduced: 2/19/2021 [html](#) [pdf](#)

Introduced: 2/19/2021

Status: 3/3/2021-Referred to Com. on RLS.

Location: 2/19/2021-S. RLS.

Desk	Policy	Fiscal	Floor	Desk	Policy	Fiscal	Floor	Conf. Conc.	Enrolled	Vetoed	Chaptered
	1st House				2nd House						

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 and to achieve a reduction in the statewide emissions of methane by 40%, hydrofluorocarbon gases by 40%, and anthropogenic black carbon by 50% below 2013 levels by 2030, as provided. Current law requires the methane emissions reduction goals to include specified targets to reduce the landfill disposal of organics. This bill would make a nonsubstantive change to that latter provision.

Position
Refer to ACE
Committee

Subject
Spot Bills

Total Measures: 24
Total Tracking Forms: 24

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

March 25, 2021 (8:30 – 10:30 am)

Zoom Link – See Meeting Appointment



1

Legislative Update



2

Legislative Update

- Legislative 2021 Bill Cycle (refer to updated ACE Bill Report)
- Water/Energy Bond Ask Subgroup
- Governor’s Budget (Climate Catalyst Revolving Loan Fund)



3

Priority Issues/ Action Items



4

1. COVID-19

- CWEA Webinar – Mar 24th
- CWEA-CASA Webinar – April 21st
- CASA website for resources: <https://casaweb.org/covid-19/>
- Wastewater-based epidemiology (WBE) efforts →
 - CDC managing national database (SWRCB to submit data) – National Wastewater Surveillance System DCIPHER
 - Survey sent this week (from Greg Kester, two-week turn around) on behalf of the Water Quality Monitoring Council to understand who is participating in surveillance, labs used, and other details



5

2. Per and Poly-fluoroalkyl Substances (PFAS)

- Quick facts:
 - Background levels are in ppb range
 - Notification levels: PFOS at 6.5, PFOA at 5.1 ppt, PFBS at 500 ppt
 - Response levels for PFOS/PFOA: 40/10 ppt (from 70 ppt)
- SWRCB Order (66 samples received as of 3/11/21)
 - Quarterly sampling of influent, effluent (if ≥1 mgd)
 - Quarterly sampling of biosolids if ≥5 mgd or annual if 1-5 mgd
 - GW monitoring programs to do one-time sample
 - Check Geotracker data!
- Region 2 response in partnership with SFEI (Phase 1 sampling to inform Phase 2)

Preliminary PFAS biosolids results are below EPA soil screening levels at CA POTWs.

	Drinking Water		Groundwater	Soil	CA POTW Biosolids (mg/kg)*
	CA Notification Level (ng/L)	CA Response Level (ng/L)	EPA Screening Level (ng/L)	Human Health Screening Levels (mg/kg)	
PFOA	5.1	10	40	1.26 (EPA) 0.2 – 35 (13 States)	ND – 0.025
PFOS	6.5	40	40	1.26 (EPA) 0.041 – 1.8 (13 States)	ND – 0.194
PFBS	500	5,000	Not established	1,300 (EPA) 80 – 1,800 (9 States)	ND – 0.084

6

2. Per and Poly-fluoroalkyl Substances (PFAS)

- Other efforts underway
 - Next Summit Partners Meeting – early April
 - National Coalition of Receivers – fact sheet revisions and engaging new congress
- EPA PFOS/PFOA Problem Formulation
 - Recognizes receivers, importance of source control
 - EPA Risk Assessment Process (adopted by end 2021)
 1. Deterministic screening model
 2. Probabilistic model (full risk assessment)
- EPA to distribute 4 awards Sept 2021
\$1.498 M each to teams investigating pollutants in biosolids



7

3. Criteria Pollutants & Toxics Reporting and Air Toxics “Hot Spots” Program Updates

- AB 617: Criteria Air Pollutant and Toxic Air Contaminant Reporting (CTR)

Was requiring all WWTPs to report full Hot Spots compound list (>500 compounds).

 - Implements statewide annual reporting of criteria air pollutant and toxic air contaminant emissions data from facilities. It establishes new policies to improve emissions inventory data (critical to understanding sources contributing to adverse health risks or other impacts at the local, regional, and statewide level).
- AB 2588: Air Toxics "Hot Spots" Program (Hot Spots Program)

Expands Hot Spots compound list to ~1,000 compounds (including 60 PFAS compounds for WWTPs).

 - Establishes a statewide program for the inventory of air toxics emissions from individual facilities, as well as requirements for risk assessment and public notification of potential health risks.

8

3. Criteria Pollutants & Toxics Reporting and Air Toxics “Hot Spots” Program Updates

- Waste Sector has been moved to its own phase (3B)
- Intent is for all WWTPs to report business as usual through 2028, including those large WWTPs that trigger original applicability thresholds
- In the meantime, the wastewater sector has until 2028 to perform a “two-step process” (collaborating with CARB and air districts) to determine shortlist of compounds to quantify/report in 2029 forward.
- Two-step process:
 1. GC/MS Scan for determining detectable compounds
 2. Quantification Process (once quantification methods have been approved by CAPCOA and Scientific Review Panel) - mimic 1990 Pooled Emissions Estimation Program (PEEP)



9

3. Criteria Pollutants & Toxics Reporting and Air Toxics “Hot Spots” Program Updates

- Informal 15-Day Changes – comments submitted
- CARB to address specific text changes for formal draft
 - Clarifying BAU reporting for all WWTPs through 2028
 - Extension period for unforeseen circumstances
- Formal 15-Day Changes draft to be released **March 29th**
- Meeting with CARB staff end of next week
- May have one more comment period
- Once formal draft is submitted to OAL, CASA to draft outline of wastewater sector’s formal approach to the two-step process and identify participating agencies



10

4. SB 1383: Organic Waste Methane Emissions Reduction

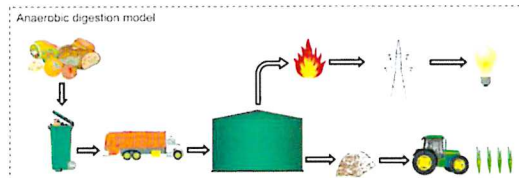
- 40% methane reduction by 2030 (relative to 2013 levels)
- Organic waste diversion from landfills (includes biosolids, digestate, and sludges)
 - 50% by 2020 (relative to 2014 levels)
 - 75% by 2025 (relative to 2014 levels)
- Implementation
 - State to enforce on jurisdictions Jan 1, 2022
 - Local jurisdictions to start enforcement Jan 1, 2024
 - Compliance by Jan 1, 2025



11

4. SB 1383: Organic Waste Methane Emissions Reduction

- Final Statement of Reasons was released
- Items to address...
 - Determine what equates compliance
 - Understand how to handle County Ordinances
 - Determine if there will be flexibility with enforcement
 - Understand procurement of products
 - Transfer of Emission Reduction Credits (offsets) from landfills to projects that divert/process organic waste



12

5. SB 100 Joint Agency Report

- 100% Clean Energy Act of 2018
- Renewable and zero-carbon resources to supply 100% of electric retail sales to end-use customers by 2045
- CEC, CPUC, and CARB drafted joint agency report to Legislature identifying pathways to achieve mandate
- SB 100 is achievable with existing technologies. HOWEVER...existing technologies that meet zero-emissions criteria (biomethane), but have 'other barriers to development,' were excluded.
 - Inadequate cost and supply data for modeling
 - Inadequate supply potential for power sector

Sent copy of letter to:

Jared Blumenfeld, CalEPA
 Anil Prabhu, CARB
 Mark de Bie, CalRecycle
 Wade Crowfoot, CNRA
 Tim Olsen, CEC
 David Hochschild, CPUC
 Jamie Ormond, CPUC
 Karen Ross, CDFA
 Amrith Guneseckara, CDFA
 Max Gomberg, SWRCB



13

5. SB 100 Report Comments Submitted

- CASA submitted comments December 18th recommending:
 - Inclusion of biogas/biomethane in SB 100 PATHWAYS
 - State level interagency coordination on utilization of biogas/biomethane supporting goals/mandates
 - Utilizing cost and supply information already compiled
 - Support for the Draft Report's recommendation supporting research and innovation in clean energy technologies, including biogas/biomethane produced by POTW anaerobic digesters.
- New Draft released, no changes
- Next Steps – follow-up meetings beginning with CPUC



14

6. CPUC Self-Generation Incentive Program

- CASA responded Mar 22nd to **questions** from Commissioner
- The Commission asked if it should revise SGIP renewable generation technology requirements to:
 1. **Remove directed biofuels as an eligible fuel?**
 2. **Remove internal combustion engines from the list of eligible technologies?**
 3. Exclude crops grown solely for energy production (commonly referred to as “purpose-grown crops”) as eligible feedstocks for renewable fuels?
 4. Limit eligible sources of renewable hydrogen to “green electrolytic hydrogen”?
 5. Define green electrolytic hydrogen as hydrogen produced at the project site, or delivered to the project site by vehicle or dedicated pipeline, that was produced through electrolysis using:
 - 100% renewable electricity, as defined by the RPS, with the addition of large hydro;
 - 100% renewable electricity from a RPS purchase program that provides bundled renewable energy credits to the electricity purchaser; and
 - excluding hydrogen gas manufactured by any other method?
 6. Direct SGIP Program Administrators to issue a single 30-day warning when renewable fuel use documentation is not provided as required, followed by issuance of an infraction and initiation of procedures of the SGIP handbook if the required information is not provided within 30 days of issuance of the warning?

15



7. CARB Advanced Clean Vehicle Regulations

Advanced Clean Truck Rule

- Requires manufacturers increase electric vehicles sales thru 2045
- Requires large entities report vehicle 2019/2020 activity by April 1, 2021:
 - >\$50 M in revenue from related subsidiaries, subdivisions, or branches, and has at least one vehicle
 - Owns 50 or more vehicles
 - Dispatches 50 or more vehicles into or throughout California
 - Is a government agency (federal, state, local, and municipalities)!

Next Steps...

- OAL approved March
- Report activity data April 1, 2021!
- Reported information will be used as basis for Clean Fleet Rule development
 - Mileage
 - Hours of operation
 - Remote assets
 - Specialty vehicles and needs

Working with ACWA, CMUA, SCPPA, CSDA and SoCalGas

16



7. CARB Advanced Clean Vehicle Regulations

Advanced Clean Fleet Rule

- Zero-emission fleets by 2045
- Government entities viewed as early adopters
- Convert public fleets by 2035 (purchase agreement by 2027)

- Goal to adopt regulation by end of 2021 (may extend), implement by 2024

Next Steps...

- Workshops held 3/2 and 3/4
- Comments due 3/31!

CASA Advanced Clean Vehicle Subgroup to review comment letter

- Draft regulation to come - 45-day comment period
- Ideas conceptualized
 - Prevent loopholes for fleets (exploring green contracting)
 - Establish ZEV fleet standard
 - Promote innovative transportation technologies



17

8. BAAQMD New BACT for Large Emergency Diesel Engines

- Issued December 22, 2020 and applies to:
 - Large diesel emergency engines ≥ 1000 bhp
 - Applications deemed complete since January 1, 2020

EPA Tier 4 Emission Standards

Pollutant	BACT Limit
POC	0.14 g/bhp-hr
NO _x	0.5 g/bhp-hr
SO ₂	CARB Diesel Fuel (15 ppm sulfur)
CO	2.6 g/bhp-hr
PM-10	0.02 g/bhp-hr

BACWA submitted letter on retroactive application...

BAAQMD Rule 2-1-409 states "regulations or standards in force on the date the application is declared by the APCO to be complete"

"Achieved-in-Practice"?

Caterpillar says no!
SCAQMD says no!

Collecting data:
Hours of Operation
Example failures during emergency

- Webinar March 29th



18

9. SWRCB/RWQCB: Biosolids role in Healthy Soils Initiative & NWL Climate Change Plan

- **Healthy Soils Initiative**
 - Biosolids help achieve every goal of the Action Plan
 - Climate Action Reserve – Soil Enrichment Protocol includes biosolids

- **Natural & Working Lands Climate Change Implementation Plan**
 - Enhance resilience & potential carbon sequestration through management & restoration (30 x 30)
 - Advance statewide objectives for renewable energy & fuels, agricultural markets, soil health, etc.

- **President Biden’s Initiative for Climate Resilience in Agriculture**
 - CASA has offered to assist in development and implementation (30 x 30)



19

10. Carbon Sequestration Meta-Analysis

- **Request for Biosolids Soil Carbon Systematic Article Reviews and Data Extraction**
- Virginia Tech researchers funded to quantify carbon sequestration potential from land-applied biosolids from analysis of existing data
- Systematic review of published and unpublished data (13,000+ abstracts)
- Seeking assistance with Full-text Review (2 people per Review) – focused on Materials and Methods section and checking for soil organic carbon/matter data
- No funds available to compensate for time, offering authorship
- If you, a PhD student, postdoctoral researcher, or someone who would like to help, please reach out to Mike Badzmierowski, Greg Evanylo, and Lee Daniels!

- If you have non-published data regarding biosolids land-application and changes in soil organic carbon/matter concentrations and stocks, consider sending it to be included in the grey literature search
- Data (with consent of authors) to be added to an open-access repository.
- Promote biosolids research, identification of research gaps, and inform and harmonize future collection methods



20

Discussion/ Informational Items

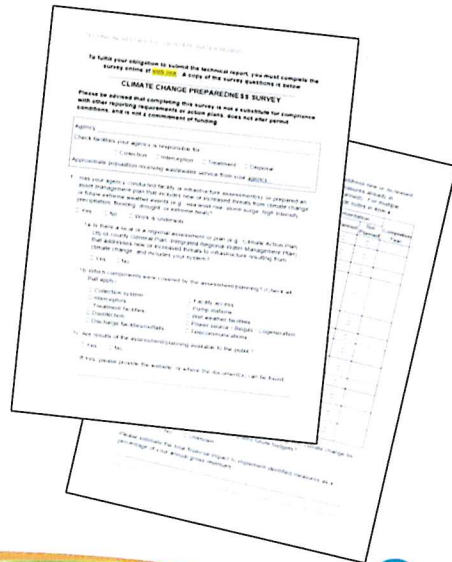
21



1. SWRCB Climate Change Preparedness Survey

- State Water Board to:
 - Send NPDES and WDR permit holders to be surveyed in 2021
 - 45-day response
 - Webinar after formal distribution

- Actions:
 - Climate Change Preparedness Survey Subgroup
 - Consider developing guidance for responding to survey consistently
 - Annual Board climate change update held Mar 16th
 - Meeting with SWRCB staff Mar 30th



22



1. SWRCB Climate Change Response Update – March 16th

- Updates from Max Gomberg, Karen Mogus, Chris Hyun
- Ways to protect and reduce risk – recognized cross-sectoral efforts are needed
- Priority Areas (with near- and long-term actions)
 - **Drinking Water:** SAFER (Safe and Affordable Funding for Equity and Resilience) & small system drought resilience program
 - **Wastewater and Co-digestion:** initiative (recognized DACs and air quality issues to address, as well as carbon sequestration)
 - **Sea Level Rise:** infrastructure and vulnerable communities (consider [Principles for State Action](#) - 1 ft SLR by 2030 and 7.6 ft by 2100)
 - **Harmful Algal Blooms:** increasing in frequency and severity



23

1. SWRCB Climate Change Response Update – March 16th

- **Wastewater and Co-Digestion**
 - Reduce landfill methane using existing digestion capacity and produce biogas and biosolids ([for c-sequestration and supporting healthy soils](#))
 - Environmental Justice Leaders to meet on implementation of co-digestion
 - Need clear permitting requirements – survey to be delivered later this year
 - Helping support inclusion of biosolids in the healthy soils initiative
- CARB-funded model to be built by UC-Merced for Natural and Working Lands – assessing c-sequestration and water benefits (30 x 30 x '30)



24

1. SWRCB Climate Change Response Update – March 16th

- **Recycled Water:** reporting, implementing Water Resilience Portfolio actions
- **Stormwater:** Strategy to Optimize Resource Management of Stormwater (STORMS), stormwater permits
- **Sea Level Rise:** OPC initiated a Statewide SLR Leadership Team (executive committee and working group, met in October for first time)
- **Forestry and Fire Protection / Emergency Management:** developing report with DWR on ways to support smaller systems during drought and water shortage; worked with EPA on tool development
- **Safe & Affordable DW:** GGRF projects to benefit communities through resilience and GHG reductions, job creation, etc.
- **Water Rights** – staff report on climate change and water rights (comments due March 31st)



25

1. Adaptation: Other efforts

- Coastal Commission planning for sea level rise – met with staff to discuss:
 - Need for better coordination on a project/permit basis – avoid duplication those efforts
 - Need for better coordination at state agency level between CCC and SWRCB on requirements for performing vulnerability assessments
 - Certainty of which projections (and documents) agencies rely upon in their planning (i.e., the 2018 OPC Sea Level Rise Guidance, [Principles for State Action](#))
- Draft SSS WDR Released and consists of System Resiliency Actions - Water Regulatory Workgroup Reviewing



26

2. BAAQMD Climate Pollutants Regulation 13



Rule development suspended due to COVID-19 & lack of data

Rule	Next Workshop	Board Presentation	Notes
13-1: Significant Methane Releases	TBD	TBD	Tabled indefinitely to focus on source-specific rules.
13-2: Organic Waste Handling	TBD	TBD	Draft is focused on organic material handling: Material Recovery Facilities, Transfer Facilities, Chip & Grind Facilities.
13-3: Composting Operations	TBD	TBD	Draft language in development, not released.
13-4: Sewage Treatment & Anaerobic Digestion	TBD	TBD	BACWA requested involvement to provide input on draft language. Draft rule to consider biogas produced/collected, minimizing other pollutants, flare requirements, record keeping, reporting requirements, etc. BAAQMD is working with BACWA to collect baseline information to inform rule development and reviewing an unsolicited proposal.
13-5: Hydrogen Plants	-	Q3 2020?	Focus on hydrogen production at petroleum refineries.
8-34: Solid Waste	-	-	Focus on methane from landfills – BAAQMD to align with

27

2. BAAQMD Climate Pollutants Regulation 13



- BAAQMD realized it needed more data, before drafting regulations!
 - Organic Recovery Technical Working Group (TWG) met **Feb 11** to summarize Draft BMPs at Organic Material Handling and Compost Facilities
- BACWA to develop baseline understanding of current BMPs for POTWs via survey, specifically:
 - Anaerobic digesters and ancillary equipment
 - Other treatment processes (i.e., lagoons)
- BAAQMD may incorporate BMPs as part of standard permit conditions vs further regulate



28

3. Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS)

■ **Salt Management**

- Phase 1: Prioritization & Optimization Study (P&O Study)
 - Late 2020 to early 2021
 - 30- to 35-year study
- Notice to Comply released

■ **Nutrient (Nitrate) Management**

- Nitrate Management Orders went out to POTWs within 6 priority basins (those that land apply biosolids)
- Only applicable if in Priority 1 or 2 Groundwater Basin
- Early Action Plans have been released for review



30

4. Rules to limit NO_x: SCAQMD Rule 1118.1

■ SCAQMD – Rule 1118.1

- Technology Assessments Status – SCAQMD staff to work with stakeholders on impacts of food waste diversion and beneficial use alternatives to flaring



31



5. Soil Enrichment Protocol (SEP)

- Climate Action Reserve (Reserve).
- Published September 2020.
- Provides guidance to **account for, report, and verify** GHG emission reduction associated with soil enrichment projects.
- Produce **carbon offset credits**, referred to as Climate Reserve Tonnes (CRTs).
- **Soil enrichment projects** are defined as the adoption of sustainable agricultural land management practices intended to increase soil carbon sequestration and/or decrease net GHG emissions, via changes to:
 - Fertilizer application
 - Soil amendment application
 - Water management/irrigation
 - Tillage/residue management
 - Crop planting and harvesting
 - Fossil fuel usage
 - Grazing practices

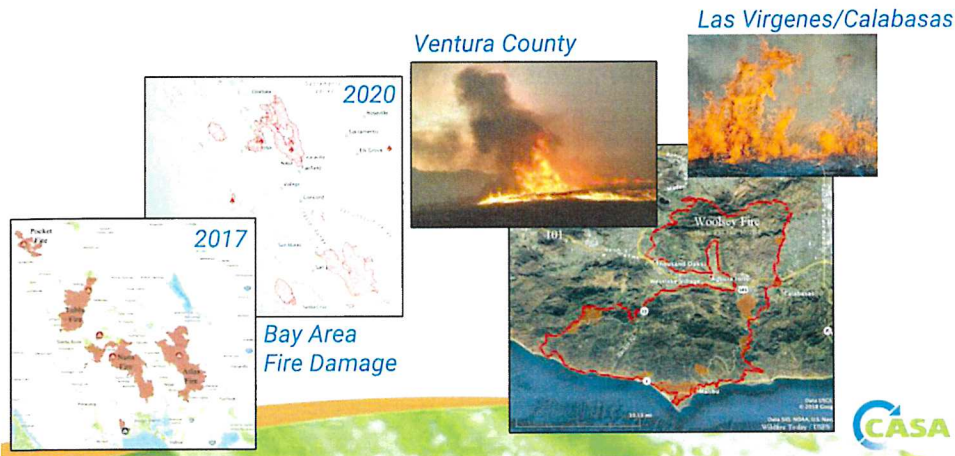


*Presentation to step through the calculation process to take **April 8** – please email Sarah if you'd like to attend*



6. Biosolids and Fire Reclamation Efforts

- Site secured in Las Virgenes/Calabasas (Phase 1) for Class B cake, Class A compost, and Class A dried pellets for land application + control site
 - Finalizing data analysis from Dec 2019 rain sample, to continue through spring 2021
 - Formal report to come in 2021
- Looking for a site in Bay Area (Phase 2) and back to Colorado (Phase 3)



7. U.S. Forest Services Wood Innovation Grant



- Two-year grant from Sierra-NV Conservancy & Governor’s Office of Planning & Research (completed Dec 2019)
- Collaboration with U-CO and UC-Merced unit (owned by Phoenix Energy)
- Investigate viability of replacing GAC with biochar (from gasification of dead trees) for pre- and post-treatment odor control
 - Year 1: Perfect activation of biochar (bench to full scale)
 - Year 2: Agency testing (Delta Diablo, LACSD)
- University of CO has written report summarizing additional needs to develop a marketable product – Greg Kester finished reviewing report last year
- Finding: Biochar did not perform as well as GAC, but recommendations for improving its performance are provided
- Report anticipated to be complete by end of March 2021, Forest Service to review



34

8. Biogas/Biomethane Management

- EPA Renewable Fuel Standard RIN
 - Recent communication with new lead Kurt Gustafson, highly understaffed
 - To discuss proposed apportionment of RIN values for sludge-based biogas (D3) vs food waste-based biogas (D5)



35

Upcoming Conferences/Events

- **WEF ABBA (Association of Biosolids & Byproducts Associations)**
March 29th, Teleconference
- **CASA/CWEA COVID-19 in Wastewater**
April 21st, Webinar
- **CWEA Partnering for Impact Workshop**
May 5th, Virtual
- **WEF Residuals & Biosolids Conference**
May 11th-14th, Virtual



36

Upcoming Meeting

- April 22nd

Thanks for Joining!



37



**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: _____

Other meeting attendees: _____

Meeting relevance to District: _____

Frequency of Meeting: _____

Estimated Costs of Travel (if applicable): _____

Date submitted to Board Secretary: _____

Board approval obtained on Date: _____

Board packets are uploaded 7 days before the Board Meeting. Please submit your request to the Board Secretary, no later than 2:00 p.m. on the second or fourth Tuesday of the month.

4/1/2021

BOARD AGENDA ITEM REQUESTS

Agenda Item 8B

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

Las Gallinas sewage agency completes recycling system

SAN RAFAEL

By Matthew Pera

mpera@marinij.com

The Las Gallinas Valley Sanitary District completed construction this week on an expansion of its water recycling system, increasing the district's recycled water production capacity nearly fourfold.

"This is a remarkable achievement in bringing a more drought tolerant water supply to Marin County," said Crystal Yezman, the district's board president.

The expanded system allows the district to treat roughly 5.4 million gallons of recycled water per day at its headquarters at 300 Smith Ranch Road in San Rafael. That's up from the district's previous capacity of 1.4 million daily gallons.

The district sells the majority of its recycled water to the Marin Municipal and North Marin water districts, which then sell the water to customers for irrigation, car washes, commercial laundries and toilet flushing.

A second recycled water system at the sanitary district's headquarters, which was owned and operated by Marin Municipal Water District, was demolished during the project.

"It was getting near the end of its useful life," said Mike Prinz, the Las Gallinas general manager. "It was an older technology."

The completion of the recycled water system marks the end of the first construction phase in the district's \$64 million treatment plant renovation plan.

The district has already spent about \$40 million on the project, which began in 2019, according to Prinz. The first construction phase also included an

expansion of the district's secondary water treatment plant, which has increased the system's capacity from 8 million to 18 million gallons per day. The increased capacity has reduced the volume of primary treated water that gets blended with the secondary treated water during discharges, which improves overall water quality.

The district has also completed

RECYCLING » PAGE 4



Construction manager Tom Gorman walks by newly-installed pumps at the Las Gallinas Valley Sanitary District sewage treatment plant on Friday. The equipment is part of the first phase of a more than \$60 million renovation project at the plant.

ALAN DEP — MARIN INDEPENDENT JOURNAL

Recycling

FROM PAGE 3

upgrades to its electrical system. Workers added a new backup power generator, installed a new utility transformer and buried overhead PG& E lines at the district's plant. A new effluent pump station and new aeration basins have been built.

"The completion of phase one of this major project is really cause for celebration," Yezman said. "We're proud of achieving this milestone, and we're looking forward to continuing our hard work to bring the rest of the treatment plant upgrade project to completion."

The remainder of the project is expected to wrap up next year. It includes raising a portion of the road that runs around the treatment plant so it is above sea level rise elevation, building two new clarifying ponds for secondary treated water and upgrading

the treatment plant control system. Grading, fencing, landscaping and paving work are also planned.

The cost of the project has gone up since 2017, when an engineer's estimate pegged the price tag at \$36 million. The district sold \$41 million in bonds that year to pay for the project. But when construction bids came in higher than anticipated, the district sought out a new estimate, which came in at \$49 million. In 2018, the district took out a \$12 million loan to make up the difference.

The cost has now risen to an estimated \$64 million, a price that reflects consultant fees and almost \$5 million in changes to the construction contract with Myers & Sons Construction of Sacramento, Prinz said. The district is paying for the remainder of the cost with its revenues, he said.

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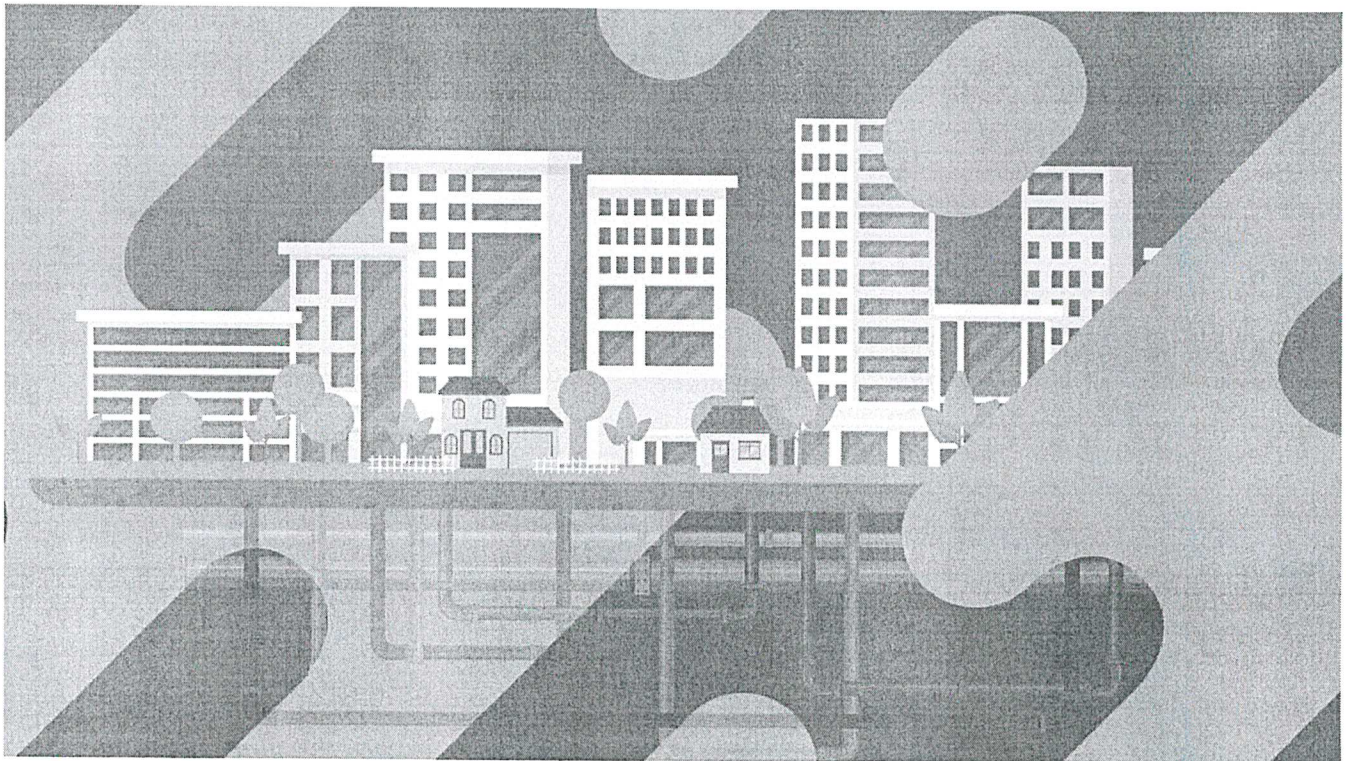
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03-16-21 | WORLD CHANGING IDEAS

This tech recycles toilet water in Silicon Valley high-rises

Even the poop gets a second life.



[Image: Epic CleanTec]



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BY ADELE PETERS

4 MINUTE READ

Within a few weeks, when someone flushes a toilet in one of San Francisco's new high-rises, the water won't drain into the local sewer system. Instead, it will flow into a recently installed machine in the basement, designed to treat the water on-site. After the machine is turned on next month, recycled water will travel back up special pipes so it can be used for the next flush. The solid waste—that is, poop—is treated separately and becomes a product to add to garden soil.

"We're taking wastewater, which we actually don't see as waste at all, and we're showing people that wastewater really just consists of water, it consists of energy, it consists of nutrients, and it consists of organic matter," says Aaron Tartakovsky, CEO of Epic CleanTec, the startup that makes and manages the recycling tech. "All of those things we can pull out of the wastewater and repurpose."

[Photo: Epic CleanTec]

In 2015, San Francisco became the first city in the U.S. to require large new buildings to install and run water reuse systems to capture dirty water from pipes and rainwater and use it for flushing and irrigation. (The requirement applies to 250,000-square-foot-plus buildings that received permits after late 2016. There are 24 buildings that meet those requirements currently under construction; so far the law has only affected one completed building.) Though it was permitted before 2016, the 1,070-foot-tall Salesforce headquarters also has a reuse system designed to save as much as 30,000 gallons of freshwater a day, or 7.8 million gallons in a year. Several companies provide this type of technology, but Epic CleanTec is unusual in that it also makes use of solid waste.

The company's technology was created as part of the Bill and Melinda Gates Foundation's Reinvent the Toilet Challenge, which asked engineers to create a safe, cheap toilet that could be used by the billions of people around the world who don't have access to plumbing. Tartakovsky and his father, a building engineer, learned about the tech and realized that it could also be useful in places such as California that struggle with drought.

[Image: Epic CleanTec]

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The company was founded in 2015, at the same time that San Francisco was deciding to mandate more water recycling. “We were in the height of the drought, and our elected officials and the leaders of the utility basically said, ‘Why are we using freshwater from our national parks, from Hetch Hetchy [in Yosemite National Park], to flush our toilets when we can be manufacturing water on-site?’” Tartakovsky says.

The system uses a screen to separate solids and liquids, and then the water is treated to high-quality standards. By law, the water can only be used for nonpotable purposes such as flushing or in cooling towers. But it’s actually clean enough, Tartakovsky says, that it could eventually be used in laundry machines or even for drinking water if the regulations later change. That may happen. In Southern California, Orange County already puts purified wastewater back into groundwater supplies, where it makes its way back into drinking water. California is in another drought now, and as climate change goes on, the amount of rain and snow that the state can rely on will continue to shrink.

The technology treats solid waste by using a powerful chemical reaction. “We’re sterilizing all of the pathogens in the waste; we’re neutralizing all the odor,” he says. “And we’re basically ending up with a sterile product that is full of carbon and full of potassium, so we can do sort of amazing soil blends. . . . We joke that we’re producing soil by San Franciscans for San Francisco,” he says. Right now, the treated waste is trucked to the company’s own demonstration garden, but it could eventually be used in city parks or by farms to reduce the use of fertilizer.

[Photo: Epic CleanTec]

The whole system is designed to use less energy than some competitive technology, cost less, and fit in tight urban spaces. And while it’s particularly useful in cities such as San Francisco that are focused on reducing water use, it could be useful anywhere, especially as aging urban infrastructure strains to keep working. “We’re sort of at this interesting inflection point, globally, where we know the global population is growing,” Tartakovsky says. “We know that most people are moving into cities. And we have an opportunity now to fundamentally rethink how cities are going to design their water and wastewater infrastructure moving forward.”

While the company is focused on California, it’s also planning to launch a philanthropic arm that will address sanitation challenges in other parts of the United States and abroad. “We see an opportunity to supplement the broader water and wastewater industry with a more distributed model,” he says. “Rather than a continued focus on the rehabilitation and expansion of centralized systems, distributed models can save utilities money on their necessary capital expenditures and their ongoing operational spending. But perhaps most importantly, these distributed approaches can quickly bring much-needed solutions to underserved and underinvested communities throughout our nation.”

ABOUT THE AUTHOR

Adele Peters is a staff writer at Fast Company who focuses on solutions to some of the world's largest problems, from climate change to homelessness. Previously, she worked with GOOD, BioLite, and the Sustainable Products and Solutions program at UC Berkeley, and contributed to the second edition of the bestselling book "Worldchanging: A User's Guide for the 21st Century." More practices here.
