



Central Marin Sanitation Agency

INFORMATIONAL ITEMS

For the Board of Commissioners Regular Meeting
of February 13, 2018

- I-1** Copy of two checks to CMSA dated January 4, 2018 from State of California
Re: FEMA Disaster Recovery Fund -- Reimbursement for Hillside Slope Stabilization
- I-2** Letter dated January 5, 2018 from James E. Dunbar, Lystek Organic Materials
Recovery Center
Re: Lystek OMRC Facility Update
- I-3** Letter with attachment dated January 16, 2018 from Bruce Heid, IEDA
Re: Annual Meeting
- I-4** Letter dated January 18, 2018 from Ron Brown, Marin County Civil Grand Jury
*Re: Reminder of your obligation to complete your response to the 2016-17 Grand
Jury Report Entitled: "Marin Retirement HealthCare Benefits: The Money Still Isn't
There" published date May 10, 2017*
- I-5** Email to Marin County Civil Grand Jury, dated January 29, 2018
Re: Response to letter dated January 18, 2018 (above)
- I-6** Letter dated January 23, 2018 to Vince Christian, California Regional Water Quality
Control Board, San Francisco Bay Region
Re: Monthly Self-Monitoring Report (SMR) – December 2017
- I-7** Letter dated January 31, 2018 to Vince Christian, California Regional Water Quality
Control Board, San Francisco Bay Region
Re: 2017 Self-Monitoring Program Annual Report
- I-8** Memo dated January 30, 2018 to San Francisco Regional Water Board
*Re: 2017 Lateral Replacement and Capital Improvement Program Report for
CMSA's Satellite Collection Agencies*



STATE OF CALIFORNIA

WARRANT NUMBER

09-199694

FUND NO. 0890 FUND NAME FEDERAL TRUST FUND
 THE TREASURER OF THE STATE WILL PAY OUT OF THE

90-1342/1211

TO: CENTRAL MARIN SANITATION AGENCY

ISSUE DATE
 MO. DAY YR.
 01:08:2018

DOLLARS	CENTS
\$ *****44131	00

Betty T. Yee
BETTY T. YEE
 CALIFORNIA STATE CONTROLLER

⑆121113423⑆ 091996947⑈

REMITTANCE ADVICE

VENDOR-ID

PAGE 1

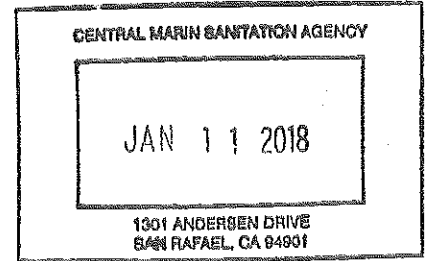
STATE OF CALIFORNIA
 DC

STD. 404C (REV. 4-95)

0041-91004-00

THE ENCLOSED WARRANT IS IN PAYMENT OF THE INVOICES SHOWN BELOW

DEPARTMENT NAME	ORG. CODE	INVOICE DATE	INVOICE NUMBER	INVOICE AMOUNT	RP
OFFICE OF EMERGENCY SERVICES	0690	01/04/18	4308 REIMBURSE	44131.00	
DEPARTMENT ADDRESS		CLAIM SCHED. NO.			
3650 SCHRIEVER AVE. MATHER CA 95655-4203		LA70424			
VENDOR					
CENTRAL MARIN SANITATION AGENCY ATTN: JASON DOW 1301 ANDERSEN DRIVE SAN RAFAEL CA 94901					
PYMT INQUIRIES: (916)845-8340					
FEDERAL TAX ID NO. OR SSAN	RP TYPE	TAX YR	TOTAL REPORTED TO IRS	TOTAL PAYMENT	
			.00	44131.00	

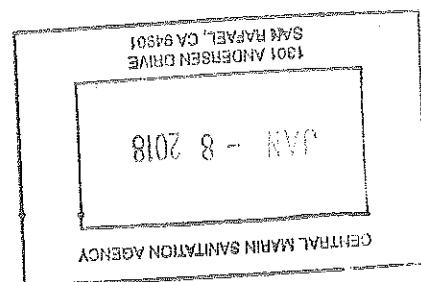




Lystek Organic Materials Recovery Center
 1014 Chadbourne Road
 Fairfield, Ca 94534-9700
 Phone: 707-419-0084

January 5, 2018

Jason Dow
 General Manager
 Central Marin Sanitation Agency
 1301 Andersen Drive
 San Rafael, CA 94901



Subject: LYSTEK OMRC FACILITY UPDATE

Dear Jason Dow:

Lystek International is proud to be a service provider to the Central Marin Sanitation Agency (CMSA) for the acceptance, treatment, and beneficial use of biosolids material.

I want to take this opportunity to update you on our first complete year (2017) activities and accomplishments at the Lystek OMRC facility in Fairfield.

- Lystek began receiving and processing biosolids in August 2016 and have been successfully receiving material since that date
- Delivery of biosolids in 2017 was active with six Bay Area wastewater plants participating in our growth; these agencies included: Central Marin Sanitation Agency (CMSA), Fairfield-Suisun Sewer District (FSSD), City of Santa Rosa, East Bay MUD, San Francisco PUC, and City of Petaluma
- Lystek received and processed over 35,000 wet tons in 2017, with our highest annualized run-rate of over 50,000 for December
- Lystek was successful in initiating a first-of-its-kind liquid biofertilizer (LysteGro) land application program in Solano County. In 2017, we supported agricultural crop lands in excess of 2,600 acres and over 8,500,000 gallons of high-nutrient fertilizer was land applied



Nothing wasted. Everything to gain.
www.lystek.com

- In 2017, Lystek was honored to be finalist in local and state-wide technology recognition programs: Solano County's "Innovator of the Year" and CASA's "Innovation and Sustainability" category.
- In late 2017, Lystek started a full-scale research project (in partnership with FSSD) to improve anaerobic digester performance and generate greater quantities of renewable biogas. As this program expands and moves into 2018, we will be providing regular updates on our progress.

Interest in the Lystek thermal hydrolysis process (THP) continues strong in California, across North America and internationally. In 2018, we expect to successfully commission two new facilities in Canada and our second facility in the United States (in St. Cloud, MN). We expect our growth program to continue in a measured pattern over the next years.

As we have said in the past, we are pleased that CMSA is one of our first customers. Your participation with Lystek is very much appreciated and your continued support allows us to offer quality service to the wastewater community across the San Francisco Bay Area.

If you have any questions or need additional information, please contact me at jdunbar@lystek.com or 707-419-0084.

Sincerely,



James E. Dunbar, P.E.
General Manager
California Operations

**IEDA**

2200 Powell Street, Suite 1000, Emeryville, California 94608

January 16, 2018

TO: THE IEDA BOARD OF DIRECTOR NOMINEE ADDRESSED

RE: ANNUAL MEETING

IEDA's regular annual meeting will be held on **Thursday, February 15, 2018, at 2:00P.M.**, in IEDA's offices at 2200 Powell Street, Suite 1000, Emeryville, California.

The purpose of the meeting is to elect Directors for the ensuing year; to approve all acts and proceedings of the Board of Directors, the Executive Committee and the officers of the Corporation since the last annual meeting on February 23, 2017; and to consider such other business as may come before the meeting.

Enclosed is a list of nominees for the Board of Directors. As you will note, the list includes a broad cross section of the employers we represent.

As a nominee for the Board of Directors, we encourage your attendance. Kindly RSVP to Cindy Oilar at coilar@ieda.com or 510-653-6765 x3.

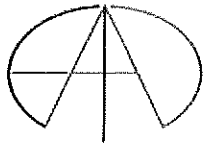
Very truly yours,

Bruce Heid
President

BH:cmo

Enclosure: Nominee List

P.S. IEDA's By-Laws (Article XII) provide for a Board of Directors meeting to be held immediately following the Annual Meeting.



Board of Directors Nominees

for

IEDA's February 15, 2018 Annual Meeting

<u>Nominee</u>	<u>Title</u>	<u>Company</u>
William Albanese	President	Central Concrete Supply Co., Inc.
Roger Bailey	General Manager	Central Contra Costa Sanitary District
Jim Backman	Chief Operating Officer	Consolidated Engineering Laboratories
Alan Biller	President & Sr. Consultant	Alan Biller and Associates
Jan Breitzman	Distribution Center Mgr.	CNH America, LLC
Jason Dow	General Manager	Central Marin Sanitation District
Keith E. Fleming	Chairman of the Board	IEDA
Gary Guittard	President	Guittard Chocolate Company
Bruce Heid	President	IEDA
TJ Koewler	VP, Northwest	Darling Ingredients, Inc.
Fred Lipman	President	Lipman Insurance Administrators, Inc.
Jeff Maltbie	City Manager	City of San Carlos
Glenn Metola	Chief Executive Officer	The Arc San Francisco
Justin Mullins	HR Director, Operations	Del Monte Foods, Inc.
Susan S. Muranishi	County Administrator	County of Alameda
Robin Petravic	President	Heath Ceramics, Inc.
Christine Stoner-Mertz	President & CEO	Lincoln Child Center
Jim Triplett	Sr. VP Operations, West	AMPORTS-APS West Coast, Inc.
Joseph Villarreal	Executive Director	Housing Auth of County of Contra Costa
George Vukasin, Jr.	President & CEO	Peerless Coffee

(Note: Strike through indicated withdrawal from the Board and Blue Bold indicates new nominee/s)

JD 1/29/18

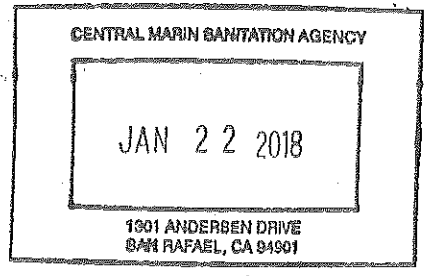
MARIN COUNTY CIVIL GRAND JURY

3501 Civic Center Drive, Room 275
San Rafael, California 94903
(415) 473-6132 • grandjury@marincounty.org



January 18, 2018

Mr. Jason Dow, General Manager
Central Marin Sanitation Agency
1301 Andersen Drive
San Rafael, CA 94901



Dear Mr. Dow,

Re: Reminder of your obligation to complete your response to the 2016-17 Grand Jury Report Entitled: "Marin Retirement HealthCare Benefits: The Money Still Isn't There" published date May 10, 2017.

Central Marin Sanitation Agency's response to recommendations No.1 "Each agency should adopt a formal, written policy for contributions to its OPEB plan." and No.2 "Each agency's standard practice should be to consistently satisfy its formal written OPEB contribution policy." in the 2016-2017 Grand Jury Report indicated an intent to take action:

R1. Beginning in 2010, CMSA has made contributions into a special trust established by CalPERS, called the California Employers Retiree Benefit Trust (CERBT). CMSA's contributions to the CERBT are equivalent to the net Annual Required Contribution (ARC) as determined in the Agency's GASB 45 Valuation Reports. CMSA does not have a policy to fund the ARC; however, its funding has been integrated into the Agency's annual budget since 2010, which is approved by the Board of Commissioners. By the end of calendar year 2017, the CMSA Board will either adopt an OPEB funding policy or amend an existing financial policy to state that the annual ARC will be fully funded.

R2. CMSA's practice has been to fully fund the GASB 45 ARC, and as of June 30, 2017, the CMSA CERBT account balance was \$2,274,471. With that amount, CMSA's future retiree medical benefit expenses are approximately 50.4% funded. After the OPEB funding policy is adopted by the CMSA Board of Commissioners, staff will ensure the GASB 75 Annual Dedicated Contribution (ADC) amount will be incorporated into the Agency's budget each fiscal year.

We are not aware that action was in fact taken. As specified by California Penal Code § 933.05, we are following up on your required timeframe for response.

We would appreciate your letting me know by February 18, 2018 of the current status of and time estimate for the implementation of your action in response to this Grand Jury recommendation.

Should you have any questions please contact me at grandjury@marincounty.org

Sincerely,

Ron Brown

Ron Brown, Foreperson
Marin County Civil Grand Jury

Jason Dow

From: Jason Dow
Sent: Monday, January 29, 2018 3:35 PM
To: 'GrandJury'
Subject: FW: CMSA Responses - Marin GJ Budget Squeeze and OPEB Reports
Attachments: Revised Financial Policy #550 - Annual Budget.docx

Hi Ron,

I received your 1/18/18 letter checking on the status of CMSA implementing two responses to the Grand Jury's "Marin Retirement Health Care Benefits" Report.

In December, CMSA's Board approved revisions to the Agency's Annual Budget Financial Policy (attached) that directs staff to include OPEB funding in the annual expenditure budget per the most recent GASB 75 report. Going forward, CMSA staff will include that annual OPEB funding amount in the Agency's fiscal year budget that is presented to the Board for adoption in June.

Please call if you have any questions: 415-459-1455, ext 145.

Thanks,
Jason

From: Jason Dow
Sent: Wednesday, September 20, 2017 3:53 PM
To: 'GrandJury'
Subject: CMSA Responses - Marin GJ Budget Squeeze and OPEB Reports

Hi Ron,

Here are CMSA's responses to the 2016/17 Grand Jury's Budget Squeeze and Retiree Health Care Benefit Reports. I will mail hard copies to you and Judge Simmons per the instructions on each report's cover letters.

I look forward to giving you and the Grand Jury the presentation and tour on October 20.

Thanks,
Jason
Central Marin Sanitation



CENTRAL MARIN SANITATION AGENCY

Jason R. Dow P.E.
General Manager

1301 Andersen Drive, San Rafael, CA 94901-5339

Phone (415) 459-1455

Fax (415) 459-3971

www.cmsa.us

January 23, 2018

California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Attention: Vince Christian

Subject: Monthly Self-Monitoring Report (SMR) – December 2017

The December 2017 monthly self-monitoring report for the Central Marin Sanitation Agency (CMSA) treatment plant has been submitted using the eSMR /California Integrated Water Quality System (CIWQS). This SMR conforms to CMSA's NPDES Permit, Order #R2-2012-051. There are no reportable NPDES Permit violations for this reporting period. The CMSA treatment facility did not exceed the maximum secondary capacity of 30 MGD, resulting in 0 blend events in December.

The CMSA Quality Assurance Report dated December 2017 for all regulatory daily, weekly, and monthly quality control calibrations and checks conducted during the month has been uploaded with December's monitoring reports for your review.

If there are any questions please contact me at (415) 459-1455, extension 101. Quality assurance data are available for all test results cited in this report. Values reported are measured values and are each subject to analytical variability. CMSA reserves the right to question data in an enforcement proceeding.

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations (40 CFR 122.22(d)).


Loren C. Finton
Treatment Plant Manager



CENTRAL MARIN SANITATION AGENCY

Jason R. Dow P.E.
General Manager

1301 Andersen Drive, San Rafael, CA 94901-5339

Phone (415) 459-1455

Fax (415) 459-3971

www.cmsa.us

January 31, 2018

California Regional Water
Quality Control Board
San Francisco Bay Region
1515 Clay St., Suite 1400
Oakland, CA 94612
Attention: Vince Christian

Subject: 2017 Self-Monitoring Program Annual Report

Dear Vince,

Central Marin Sanitation Agency (CMSA) plant performance in 2017 was excellent. Total Suspended Solids (TSS) in the final effluent averaged 5.1 mg/L and the Carbonaceous Biochemical Oxygen Demand (CBOD) averaged 7.1 mg/L. Both are well under the NPDES requirements of 30 mg/L and 25 mg/L, respectively. Average Percent Removal for TSS was 97% and CBOD 95%, well above our 85% limit. Mercury in the final effluent averaged 0.0049 ug/L, substantially below the 0.066 ug/L Average Monthly Effluent Limit (AMEL) included in the November 8, 2017 Mercury and PCBs Watershed Permit; CMSA has always had one of the lowest mercury levels among secondary treatment plants in the Bay Area.

In accordance with the Agency's NPDES Permit requirement that CMSA submit a report showing a summary of the Blend Events that have occurred during the monitoring period, this data is presented in the table below.

CMSA Blending Activity				
Start of Blend Event	End of Blend Event	Duration	Volume	Rainfall
		Days	MG	In
Jan 3, 2017 - 14:15	Jan 5, 2017 - 11:10	1.87	24.89	2.64*
Jan 7, 2017 - 08:45	Jan 13, 2017 - 13:25	6.19	138.39	4.46*
Jan 18, 2017 - 15:35	Jan 24, 2017 - 11:40	5.84	85.73	7.66*
Feb 2, 2017 - 10:25	Feb 4, 2017 - 21:55	2.48	24.85	0.76
Feb 5, 2017 - 18:55	Feb 10, 2017 - 23:20	5.18	168.27	7.08
Feb 17, 2017 - 10:10	Feb 18, 2017 - 19:20	1.38	17.97	0.98
Feb 19, 2017 - 18:30	Feb 19, 2017 - 23:30	0.21	0.8	.27*
Feb 20, 2017 - 02:15	Feb 22, 2017 - 13:45	2.48	76.54	3.26
Mar 21, 2017 - 10:10	Mar 21, 2017 - 12:35	0.1	0.43	1.1*
Mar 24, 2017 - 10:20	Mar 24, 2017 - 23:25	0.55	7.45	0.17
Apr 6, 2017 - 22:55	Apr 8, 2017 - 17:35	1.78	19.02	1.04

* Agency rain gauge out-of-service, data obtained from San Rafael Ca. weather recording station.

Only one (1) NPDES violation occurred in 2017. The monthly average Biochemical Oxygen removal rate was 82% for February 2017 which is below the NPDES Permit limit of 85%. Although CMSA did not exceed its average monthly effluent limit for Mercury during the year, it did exceed its average annual effluent limit mass of 0.11 kg/yr. CMSA's total Mercury annual loading was 0.14kg/yr. Included within this report is CMSA's Annual Mercury Loading Report for 2017. Per the Mercury and PCB Permit (Order R2-2017-0041), compliance with the average annual effluent limit is determined annually based on the sum of all the individual discharger's mercury mass emissions.

As required in the December 7, 2010 letter from the Regional Water Board, CMSA began submitting facility monitoring data and reports (SMR) to the statewide eSMR/CIWQS system in June 2011. Tabular and graphical summaries of the monitoring data for the previous year and an annual compliance summary table of treatment plant performance are no longer required as specified in our NPDES permit Order No. R2-2012-0051 if we have submitted the year's monitoring results to CIWQS in electronic reporting format by EDF/CDF upload. Our laboratory certification is enclosed, and we are also enclosing a sample report for the analyses we receive from our outside certified contract laboratory.

Participation for the required Mercury reporting specified in the Mercury and PCB Watershed Permit is enclosed. PCB quarterly data by USEPA Method 1668c were reported for Quarter 1 in the February eSMR, Quarter 2 in the April eSMR, Quarter 3 in the August eSMR, and Quarter 4 in the October SMR on the CIWQS system. These reports are also included as attachments.

The NPDES Permit requires that CMSA submit in this annual report an update to document progress made on source control and pollutant minimization measures. CMSA's annual Pretreatment Report and annual Pollution Prevention Report will discuss pollutant minimization and source control programs. Both reports are due on February 28, 2018.

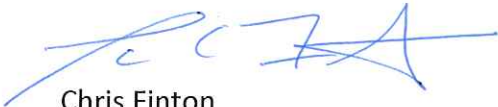
CMSA is an Associate Member of Bay Area Clean Water Agency's (BACWA), which has signed a Memorandum of Understanding with the RWQCB for TMDL and SSO development. Support for ambient receiving water monitoring through the RMP, and support for TMDL and SSO development through BACWA and the Water Quality Attainment Strategy are achieved through membership dues. We are including a copy of the January 16, 2018 letter from BACWA that was sent to Bruce Wolfe, Bill Johnson, and Richard Looker at the RWQCB. The letters describe our NPDES permit requirements for completion of the risk reduction requirements for mercury and PCB-related risks to humans, ambient water quality monitoring, TMDL/SSO support, implementation of copper and cyanide action plans, and Nutrient Watershed Permit requirements. The December 2017 SFEI letter that was sent from David Williams, BACWA Executive Director, that indicates CMSA's RMP support is attached.

In CMSA's 2009 Annual SMR, we informed the RWB that CMSA and the satellite collection system agencies' managers began routinely meeting in 2008 to explore regional solutions to I/I reduction, and would begin preparing annual reports that detail the capital improvement work initiated or completed by each collection system agency for the prior year. The 2012 NPDES permit requires that we report on each satellite collection agency's capital work and private sewer lateral programs. The annual reports include the linear feet of private sewer laterals that

have been replaced by each district. The 2017 Lateral Replacement and Capital Improvement Program Report for CMSA's Satellite Collection Agencies is attached.

The Review, Evaluation, and Status Reports on our Wastewater Facilities, Operations and Maintenance Manual, and Contingency Plan are enclosed. In our current permit that was adopted on June 13, 2012, and became effective August 1, 2012, these reports are required to be submitted with the annual report.

Sincerely,



Chris Finton
Treatment Plant Manager

Attachments:

- CDPH Laboratory Certification
- CMSA Annual Mercury Spreadsheet
- BACWA Ambient Water Quality Monitoring Letter
- SFEI RMP Support Letter
- 2017 Lateral Replacement and Capital Improvement Program Report for CMSA's Satellite Collection Agencies
- 2017 CMSA Wastewater Facilities Review and Evaluation, and Status Reports
- 2017 CMSA Operations and Maintenance Manual Review and Status Report
- 2017 CMSA Contingency Plan Review and Status Report



January 30, 2018

To: San Francisco Regional Water Board

From: Central Marin Sanitation Agency

Subject: **2017 Lateral Replacement and Capital Improvement Program Report for CMSA's Satellite Collection Agencies**

Central Marin Sanitation Agency's (CMSA) 2012 NPDES Permit, No.CA0038628, requires the Agency to report on its satellite collection agencies' private sewer lateral programs and capital improvement activities that reduce infiltration and inflow to the sanitary sewer gravity collection system. Overtime, replacing or rehabilitation sewer laterals and gravity sewer pipelines will reduce peak wet weather influent flows to and wastewater blending at CMSA's regional wastewater treatment plant. Five satellite collection agencies collect wastewater that is transported to the CMSA facility for treatment and disposal.

The satellite collection agencies are the San Rafael Sanitation District (SRSD), Ross Valley Sanitary District (RVSD), Sanitary District #2 of Marin County (SD2), San Quentin State Prison (SQSP), and the County of Marin's San Quentin Village Sewer Maintenance District (SQVSMD), with the first three agencies being members of the CMSA Joint Powers Agreement (JPA). The City of Larkspur is also a JPA member agency, but its wastewater collection system was annexed into RVSD in 1993. CMSA contracts with the Count of Marin to operate and maintain the SQVSMD's collection system.

Each year, CMSA requests and receives the lateral and CIP information from SRSD, RVSD, and SD2, and integrates that new information into an updated version of this report. CMSA is not aware of any lateral replacement or gravity collection system capital work at the SQSP and SCVSMD in 2017. A summary of the satellite collection agencies' lateral and CIP program activities for the past several fiscal years, FY11/12 through FY16/17, is presented below. SD2's Public Works Director and Senior Engineer separated from the district in the fall of 2017, and due to these events, the district was not able to provide the FY 16/17 information for this report by its February 1, 2018 due date.

Private Lateral Replacement Programs

CMSA's NPDES permit states: *"The Discharger shall report any trends in the number and length of private sewer laterals replaced or repaired, and significant changes to existing private sewer lateral programs by its tributary collection system agencies in the Discharger's service area."*

The private lateral programs for each JPA satellite collection agency are summarized below and includes information on district replaced laterals, property owner replaced laterals, and other programs specific to each individual district.

Sanitary District No. 2 of Marin County has an ongoing practice (since 2001) of replacing or rehabilitating the entire length or the lower section of private sewer laterals as part of the District's sewer main improvement projects. This practice has upgraded well over 10% of private laterals since implementation and, as laid out in the District's current Sewer System Master Plan, after another 30 years will have upgraded the entire public and private sewer system. The District chose the sub-basin by sub-basin approach because of its comprehensive inflow/infiltration (I/I) reduction and much lower overall cost as opposed to a piecemeal approach. Approximately 26,600 linear feet of private laterals have been replaced by SD#2 since 2001.

In addition to the CIP lateral replacements, the District employs a lateral video inspection trigger on home remodels at a certain cost threshold, and has worked with local realtors to encourage video inspections of laterals at a property's point of sale. The last seven calendar years' lateral replacement work performed by private property owners is presented in the table below.

Table 1 – SD2 Private Property Lateral Replacement

Year	Private Laterals Replaced	Linear Feet
2010	9	450
2011	18	900
2012	31	1,550
2013	52	2,600
2014	49	2,450
2015	44	2,200
2016	45	2,250
Total	248	12,400

San Rafael Sanitation District began implementing an 80-Year CIP Sewer Replacement Program in FY 2006/07 that included the replacement of the private lower laterals when a district sewer main is replaced or rehabilitated. Since the program's inception, the district has replaced approximately 47,755 linear feet of private lower lateral piping.

Over the past several years, SRSD has observed a noticeable increase in the number of laterals replaced by private property owners. SRSD has a policy requiring residential and commercial property major remodels to televise and submit the video of its sewer lateral, which may result in repair or replacement of the pipeline. The table on the following page shows the number and linear feet of laterals replaced by private property owners over the past five fiscal years.

Table 2 – SRSD Private Property Lateral Replacement

Year	Private Laterals Replaced	Linear Feet
2009	19	950
2010	8	400
2011	23	1,150
2012	28	1,400
2013	70	3,500
2014	86	4,300
2015	93	4,400
2016	104	5,190
2017	133	8,330
Total	461	29,620

Ross Valley Sanitary District replaces private property lower laterals when replacing or rehabilitating a district owned sewer pipeline as part of the construction project, similar to the SRSD program. RVSD provides low interest lateral replacement loans to homeowners, has a lateral grant replacement program, and an Ordinance for the testing, inspection, and maintenance of private laterals. Table 3 shows the number and linear feet of laterals replaced in RVSD’s service area through its multiple programs.

Table 3 – RVSD Lateral Replacement footage

Fiscal Year	Private Laterals Replaced	Linear Feet
Pre - 2011	178	13,535
FY 11/12	103	7,693
FY 12/13	34	2,426
FY 13/14	111	6,464
FY 14/15	307	22,332
FY 15/16	618	45,716
FY 16/17	622	45,500
Total	1,973	143,666

In summary, over the past several years, the CMSA JPA satellite collection agencies have replaced approximately 259,841 linear feet, or **49.21 miles**, of lateral piping.

Capital Improvement Programs

CMSA’s NPDES permit states: *“The discharger shall request information from all tributary collection system agencies regarding existing and future capital improvement activities intended to reduce I/I. The Discharger shall annually report the information it receives. If, based on this*

information, the Discharger concludes that a tributary collection system agency is not making adequate improvements to reduce the need to blend, the Discharger shall note this conclusion in its annual report and work with that agency to encourage performance improvement. The Discharger shall describe its efforts to encourage improvement in its reports.”

Each JPA satellite collection agency has a multi-year capital improvement program that contains collection and transmission system repair and replacement projects. A summary of each agency's capital activities over the past several years is attached.

Attachments

- 1) Sanitary District #2 CIP Projects (not including FY 16/17)
- 2) San Rafael Sanitary District CIP Projects
- 3) Ross Valley Sanitary District CIP Projects