

## FINANCE NEWS

The Agency completed all required financial reporting for FY 11-12 and, as of December 31, 2012, the Agency has received 49% of our FY revenues, and operating expenditures were at 47%. Capital Expenditures were at 43% of budget.

### AUDITED FINANCIAL STATEMENTS

At the November 2012 Board Meeting, the CMSA Board accepted the Agency's audited financial statements with the Independent Auditor's Report for FY 11-12. The Agency's independent auditor, Chavan and Associates, stated that the Agency's financial statements were presented fairly and were in accordance with generally accepted accounting principles.

The purpose of the financial audit is to obtain reasonable assurances about whether the general purpose financial statements are free of material misstatement. Additionally, during the course of the audit, Chavan and Associates did not identify any deficiencies or material weaknesses with respect to the Agency's financial operations.

### COMPREHENSIVE AND POPULAR ANNUAL FINANCIAL REPORTS

The audited financial reports are the basis for the Agency's Comprehensive Annual Financial Report (CAFR) and Popular Annual Financial Report (PAFR). For the past ten years the Agency has prepared a CAFR to summarize and explain the Agency's initiatives, accomplishments, and financial activities during the fiscal year. For the past two years the Agency has prepared a PAFR — a condensed version of the CAFR specifically intended to be easily understandable to the general public and other interested parties who do not have a background in public finance. Both reports are submitted to the Government Finance Officers Association (GFOA) for evaluation by an independent panel of finance officers who determine if the reports' format and content meet GFOA guidelines for quality public sector reporting. CMSA is proud to have received the **Certificate of Achievement for Excellence in Financial Reporting** from the Government Finance Officers Association (GFOA) for the past ten consecutive years, and equally proud to have received the **Award for Outstanding Achievement in Popular Annual Financial Reporting** for the last two years. ♦

Both the CAFR and PAFR are available online at [www.cmsa.us](http://www.cmsa.us).

## Congratulations To CMSA Staff Members!

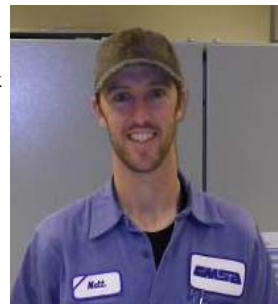


Operations Supervisor, Jean St. Louis

Congratulations to long-time operations department staff member **Jean St. Louis** who was promoted to Operations Supervisor in January 2013. Jean has worked the

demanding operations shift schedules and attained the Grade V operator certification—the highest certification level for California wastewater treatment plant operators.

Congratulations also go to Operators **Nick Gaunt** and **Matt Weekly** for successfully completing their new employee probationary period on December 12, 2012.



Operator, Matt Weekly

Nick was recently recognized by the California Water Environment Association



Operator, Nick Gaunt

Redwood Empire Section as the **2012 Murray McKinney Award** recipient. Both Nick and Matt were recently promoted to Grade I Operators. ♦



## CENTRAL MARIN SANITATION AGENCY

### What's Happening Now...

#### Winter/Spring 2013

#### CMSA COMMISSIONERS

**John Dupar**  
President (SD2)

**Kathy Hartzell**  
Vice Chair (Larkspur)

**Albert Boro**  
Secretary (SRSD)

**Frank Egger**  
Commissioner (SD1)

**Patrick Guasco**  
Commissioner (SD1)

**Barbara Heller**  
Commissioner (SRSD)

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#### A NACWA Platinum Peak Performance Agency

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#### Food-to-Energy (F2E) Program Almost Complete

The Marin Sanitary Service (MSS) and CMSA have made significant progress over the past several months on the Central Marin Food-to-Energy (F2E) program. Late last year, Patty Garbarino, President of MSS, and CMSA's manager updated the town and city councils in the CMSA service area on the program's status and upcoming activities. The council members were very positive about the program, knowing that the benefits include reduction of greenhouse gas emissions, diversion of food waste from the Redwood Landfill, production of renewable energy to power CMSA, and ultimately, the potential of exporting electricity to the utility grid and sale of renewable energy and greenhouse gas reduction credits.

The facility has been permitted by CalRecycle's Local Enforcement Agency, and construction has been completed. All that remains before the F2E facility can become operational is staff equipment training, development of a Standard Operating Procedure, CMSA Board approval of a revised Fee Ordinance, and a food waste disposal agreement with MSS. ♦



Aerial view of the new FOG/Food-to-Energy Facility



Replacement membrane cover inflated and ready for startup.

#### Digester Ready to Start Soon

Digester No. 1 replacement cover has been installed and tested. Stabilization could take up to 90 days, and the last few startup tasks for the FOG/Food-To-Energy station will be completed during that time. Once Digester No. 1 is in stable operation, Digester No. 2 can be taken offline for cleaning and any needed repairs or improvements.

Once the startup of Digester No. 1 and the FOG/F2E station are complete, CMSA will be able to begin receiving FOG for mixing into the digester. Food waste receiving will follow later this year, once Marin Sanitary System's processing facility is constructed and operational. ♦



Central Marin Sanitation Agency is a proud member of the Marin County Green Business Program

## AGENCY PROJECTS

### Primary Clarifier Improvements on Track



Primary Clarifier No. 1 with new sludge handlers being installed.

The Primary Clarifier Improvement program includes blasting and recoating metal equipment in the primary clarifiers and upgrading the old sludge collection equipment with new non-ferrous equipment that is less susceptible to corrosion.

The program has been going well, with Primary Clarifiers No. 1 and 3 being largely completed. By the end of last year, all the metal equipment in both clarifiers had been blasted and recoated, and the sludge collector flights, chains, and drive sprockets in both clarifiers had been replaced. The sludge collector drive mechanism for Primary No. 1 was also replaced. Replacing the influent sluice gates for Primary No. 1 had to be deferred due to the onset of wet weather. The gate replacement will be performed this spring, with the next phase of the Primary Clarifier Improvement program. Which clarifier will be next will depend on a condition assessment to be performed after this year's wet weather season. ♦

### New Chlorine Analyzers Installed



Chlorine analyzers are utilized to monitor disinfection dosing, residual, and demand rates at various locations after the secondary treatment process.

In 2010, the manufacturer notified CMSA that they would no longer produce parts for the equipment. In 2011, a replacement analyzer was identified

and they agreed to allow CMSA to beta test their unit for a six month trial period which resulted in a favorable review. Funds were then included in the FY13 capital budget to replace two analyzers per year over the next three fiscal budget cycles. The first two new units were recently purchased and installed as shown in the photo. ♦

### Reclaimed Water Improvement to be Completed by April



The reclaimed water system provides disinfected reclaimed effluent for

use throughout the plant to dilute and supply chemicals, provide cooling for the cogeneration engine, and for landscape irrigation. This project consists of replacing the existing equipment based on recent condition assessments. Carollo Engineers designed the plans and specifications for the project, and the Agency initiated pre-purchases of the new equipment to speed the project along. The contract was bid and awarded to Bartley Pumps, Inc. of Santa Rosa. Demolition work started in January and the whole project is scheduled to wrap up by the end of April. ♦

### Sodium Hypochlorite Bulk Tank Replacement

The fifth and final Sodium Hypochlorite tank was replaced in November of 2012. The Agency has five 6000 gallon bulk storage tanks used to store swimming pool strength Sodium Hypochlorite "bleach"



Sodium Hypochlorite Tank #4

for disinfecting treated wastewater. Sodium Hypochlorite is an extremely corrosive solution. As part of our annual preventive maintenance cycle, each storage tank and appurtenances are inspected for general material degradation. As each tank reaches the end of its lifecycle it is removed from service and replaced. ♦

### Headworks Ferric Pump Replaced



Originally Installed Ferric Chloride Pump

Ferric Chloride is added to high wet weather flows to aid with solids settling in the primary clarifiers. There are two 12,000 gallon ferric chloride tanks and two chemical feed pumps on the Headworks building. Staff recently replaced one of the original diaphragm pumps with a new gear style pump that has a smaller footprint, is more energy efficient, and allows for remote flow based control. ♦



New Style Ferric Chloride Pump

### Aeration Basin Diffuser Membrane Replacement Project on 5-Year Plan



Aeration Basin #1 Diffusers

Aeration tanks are the main workhorses in Activated Sludge Treatment Plants. The diffusers (white pipes shown above) release air into these tanks, which is utilized by microorganisms while eating dissolved organic material in the wastewater, producing a high-quality effluent. A rubber membrane encapsulates these diffusers to protect them from water intrusion and assist with air disbursement. Membranes tend to stretch over a period of time, reducing their operational performance. Agency staff has developed a five year preventive maintenance program to replace the membranes. ♦

## ENVIRONMENTAL SERVICES

### NPDES TESTING

The CMSA lab testing was in compliance with NPDES permit requirements, with 90-100% survival in all of our recent bioassays. With continued compliance through 2012, the Agency received the 8-year **National Association of Clean Water Agencies' (NACWA) Platinum Peak Performance Award.**

### PEAK FLOW BLENDING

With substantial rainfall so far this season, laboratory staff are on call seven days a week. Blending notifications are now posted on the Agency website.

### PUBLIC OUTREACH ACTIVITIES

The Wastewater Treatment Agencies of Marin County won the **CWEA Redwood Empire Section's Public Education Program of the Year award for 2012.** CMSA's award-winning program continues all year long at such events as EcoFair Marin, Farmer's Markets, and the Marin County Senior Information Fair. The pollution prevention program continued with presentations at Ross Elementary School and Marin Home School who enjoyed the very popular **Go With The Flow** juggling show.

### ENVIRONMENTAL COMPLIANCE/ INDUSTRIAL WASTE PROGRAM

Environmental Services staff have wrapped up inspections in the Las Gallinas Service Area, and all industrial inspections and FOG inspections have been completed for 2012.