

AGENDA

**COMMUNITY AFFAIRS COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT**

November 17, 2016 – 12:00 p.m.
1960 La Costa Avenue, Carlsbad, CA 92009

1. **Call to Order**
2. **Roll Call**
3. **Public Comment**
4. **New Business**
 - A. Review the 2017 Winter Newsletter draft text. (Pages 2-10)
5. **Information Items**

None.
6. **Director's Comments**
7. **General Manager's Comments**
8. **Adjournment**

MEMORANDUM

DATE: November 14, 2016
TO: Community Affairs Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Winter 2017 Newsletter Draft Text Review

RECOMMENDATION:

Staff requests that the Community Affairs Committee (CAC):

1. Review the draft text for the Winter 2017 Newsletter; and
2. Discuss and provide direction, as appropriate.

DISCUSSION:

During October 2016, Rising Tide Partners (RTP) presented a list of story ideas for the winter 2017 newsletter to the CAC and staff for comments. RTP and staff have completed the draft newsletter text. RTP and staff will present the proposed newsletter text at the CAC meeting.

Attached please find the draft text for the winter 2017 newsletter for your review. Please note, the draft text has been placed in the newsletter layout template. Majority of the photos will be updated to their corresponding article. Staff requests that the committee review the proposed newsletter text and provide comments as appropriate.

Attachment

th:PJB

<SPACE RESERVED FOR
IMAGE OR GRAPHICS.>

Downstream

Winter 2017 Newsletter

Facilities Overview

Gafner Water Treatment Facility

Pump Stations include Rancho Verde, Village Park (2), Encinitas Estates, Diana, Avocado, Batiquitos, Saxony, Leucadia, & La Costa

System Overview



3.7 million gallons of wastewater per day



5,000 manholes



18 miles of pressurized pipelines



425,000 gallons of recycled water per day (equivalent to 2,983 homes annual use)



200 miles of gravity fed pipeline



10 pump stations



62,000 people in 16 square miles



19 Employees



1 Recycled Water Treatment Plant

Semi-Annual Performance

692 million gallons of wastewater
 78 million gallons of recycled water
 5th Straight Year – No Lost Work Time

130 miles of pipeline cleaned
 60 miles of pipeline video inspected
 \$3.9 million contracted to SoCal businesses

Keeping the Pipes Clear and Free

The work of a Field Services operator with a wastewater treatment plant is a bit like exploratory surgery. Our team spends their workdays surveying our infrastructure under the streets one manhole at a time using specially mounted live cameras. These critical monitoring efforts let us wind our way through the sewer pipes hunting,

down obstructions and blockages that threaten to back up and overflow our system.

Last spring, our field services team discovered pool plaster built up in a section of our sewer lines. Since then we've found plaster in two other sections. In some cases, the hardened plaster

Continued from **Keeping the Pipes Clear**

blocked off up to 50% of the pipes which can cause a backup and spill.

These blockages are caused when a pool installer or subcontractor decides to pour leftover cement from a pool project into a sewer lateral in your yard or directly down a manhole. While it saves them a little money, it ends up costing us and potentially our customers a whole lot more.

Proper disposal involves dewatering the concrete slurry and taking the hardened concrete remnants to a landfill or recycling facility for reuse as aggregate. Contractors can rent proper disposal equipment for less than one thousand dollars. Fixing one blocked pipe costs us and ultimately our ratepayers thousands of dollars in man-hours, equipment, fuel, and materials.

Please help combat this problem and prevent potential spills or a backup into your home by ensuring your Pool Contractor properly disposes of their construction waste.

**<SPACE RESERVED FOR
IMAGE OR GRAPHICS.>**

From the Sinks to the Streets!

Laterals connect your home to our sewer system. Even though you're responsible for their care, we want to be sure you don't ever have a backup into your house. If your lateral is damaged we offer up to a 50% match up to \$3,000 for repairs through our Lateral Grants program. Apply now at www.lwwd.org under the Customers Tab !

**<SPACE RESERVED FOR
IMAGE OR GRAPHICS>**

"Simple individual actions help protect our beaches and surf breaks. Remind contractors to properly dispose of waste, only flush the 3P's, and inspect your lateral to help prevent potentially devastating sewage spills. Wastewater treatment plants are the last line of defense for the ocean, but they only work when they aren't blocked up with garbage."

- Leader of Local Environmental NGO

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IMAGE OR GRAPHICS>**

No Wipes Down the Pipes

We're excited to report that our Field Services team continues to see a significant reduction in the number of wet wipes in our system. However, we can't rest easy until we eliminate ALL wet wipes from the sewer system! They get caught up in the pumps, in screens and wet wells at our pump stations, and on roots, cracks, or other obstructions in our pipelines. They can also accumulate Fats, Oils, and Grease (FOG), and other debris that is improperly poured down the drain. Any of this could cause a spill. So if you like clean beaches, low and consistent rates, and clean neighborhoods, please remember to do your part and use a trashcan!



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IMAGE OR GRAPHICS>

Making New Water

In a previous edition of the Downstream Newsletter, we ran an article about the hot topic of water recycling. It covered our purple pipe system, and the potential for indirect and direct potable reuse (DPR). These are approaches to purifying wastewater and using it to enhance the local water supply. In 2010, the Department of Public Health was given a mandate to evaluate potential regulations for DPR by 2016. Wastewater agencies and regulators from around California are working to create a uniform regulatory structure and safety protocols that will let us purify new drinking water locally.

Below is a map to provide perspective on our current water supply and how DPR fits in this picture. In particular, it shows how wastewater and drinking water interact as part of the hydrologic cycle, where our water comes from, and how activities upstream effect all water quality. Water exists in a natural cycle; water reuse speeds up and adds certainty to that cycle.

Create/Insert Map Depicting SoCal Water Supply (layout dependent - may be here or on an additional page)

- Current water supplies (imported SWP, CA, and Desal)
- Cities (number) releasing secondary effluent into those water supplies
- Total volume of natural (rain, runoff, snowmelt) water in the rivers
- Total volume of secondary effluent water in the rivers
- Number of people who rely on this water supply for drinking water
- Total number of water related illnesses per year from these sources

Let No Waste go to Waste

As part of our commitment to recycling and reusing our resources, we send our wastewater to a local partner of ours, the Encina Wastewater Authority. Through an advanced process, they turn nutrient rich human waste into a fertilizer called PureGreen.

Many local golf courses and orchards use PureGreen as a natural alternative to chemical and organic fertilizers. To help ensure the integrity of this product, they have a pretreatment program in place that monitors the waste streams to ensure safety, however, we still need your help!

Only Flush the 3P's (Pee, Poop, and Paper)!

Here's What to do with the Rest.

Chemicals, Solvents, and Paint: Local dropoffs are listed at www.lwwd.org under Community Info -> Disposing Oils, Chemicals, and Medications.

Fats Oils and Grease (FOG): Pour hot grease into an empty metal can to cool and harden, then toss into your garbage.

Plastics: Latex gloves and food packages, applicators, Q-Tips, and other plastics and latex go in the garbage.

Construction Waste: Goes with the contractor in a dumpster, slurry dewatering unit, or dump truck.

Getting the Word Out

While a Town Crier may have been the cornerstone of public communication strategy in times past, our public outreach efforts are a bit more diverse.

Going Digital We use a variety of tools to keep you posted on what we're up to including our website, targeted local Facebook posts, door hangers, press releases, online maps, and road signs. Sign up for e-newsletters at the bottom right of www.lwwd.org.

Surfs Up! We host a live, ad free surf camera at the top right corner of www.lwwd.org where you can see conditions at and around Ponto Beach.

Grants Now Available Our Teacher Grant program has delivered grants to 28 teachers since 2008, and helped improve the educational experience in our local schools for over 6,000 kids. Apply now under the Community Info tab at www.lwwd.org.

Beyond the Books Tours of our Gafner Water Reclamation Facility are the cornerstone of our efforts to share the kind of jobs, work, and research opportunities available in the environmental protection, wastewater, and water fields. As a real live "STEAM" (Science, Technology, Engineering, Art and Math) powered facility, we believe that seeing what's possible beyond the classroom can inspire children to study and define their life's pursuit.

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IMAGE OR GRAPHICS.>

Constant Improvement

Our underground TV inspection and pressurized water cleaning efforts often reveal wear and tear at various points in our well established system. To ensure consistent operation and predictable rates, we're constantly inspecting, repairing, or replacing our pipes and pump stations.

Here are a few statistics and projects that we have completed over the past two years to prevent spills.

- **60 manholes re-lined**
- **8 emergency spot repairs**
- **3.3 miles of new pipeline**
- **1.1 miles of lined pipeline**
- **1 rehabilitated pump station**

Projects Under Way and Completed

Pipe Replacement

During routine camera inspections, we discovered defects in our pipeline at Cerro Street to Encinitas Blvd. In a 3 night operation we opened up the road, removed and replaced a 70' section of pipe, and didn't interrupt traffic!

Batiquitos Lagoon Solar Installation

We recently installed a small solar system that enabled us to switch our SDG&E rate at this pump station. This small investment and rate change saves \$3600 per month, and will pay for itself in 10 months!

Leucadia Force Main Replacement

An old iron pipeline transports wastewater west under La Costa Ave to the PCH. Our inspections revealed corrosion west of I-5 under La Costa Ave which, if not repaired, could result in a sewage spill. We anticipate starting work this winter.

Village Park Pump Station

Built in 1974, this pump station is at the end of its useful life, and needs safety improvements. We will be completely replacing it with a new pump station to improve operation, safety, and access. We plan to have it completed in August 2017.

Visit our website or Facebook for Construction Updates that might affect traffic.

Welcome to our New Employees!

New Team Members join our efforts to Protect the Pacific



Jennifer Gabelein, Administrative Specialist

Jennifer graduated from University of San Diego in 2011 where she studied Sociology, Leadership and Non-Profit Management. She volunteers with Young Life and Daybreak Church, and has helped build homes for families in Mexico. She loves people, our beaches, and the natural world. Jennifer enjoys working at LWD "because I have the opportunity to brighten people's day and help protect our local environment."



Curney Russell, Field Services Technician in Training

Curney came to LWD after serving as a Sergeant in the Marine Corps for 11 years. He completed 2 combat deployments to Iraq and 1 to Afghanistan. When he decided to transition to civilian life he wanted to work with a small organization that cares about its employees. Curney tells us he has found a community and brotherhood at LWD and the Field Services team similar to that in the Marine Corps. With their support he quickly learned our system and earned his first technical certification in 1/2 the required time. He is now preparing for the Water Treatment certification.

He strives to constantly learn, and is inspired to serve his community quietly, behind the scenes, and in a meaningful way. The most gratifying part of his work is one on one interaction with people in the neighborhoods he and the Field Services team work in, so please stop by and say hi!



Richard Duffey, Administrative Services Manager

Richard is a Certified Public Accountant with 40 years of government accounting experience, including 25 years of auditing governmental agencies, and worked as a partner in an Accounting firm for 30 years. He joined LWD as an employee in January 2016. Richard lives in Carlsbad with his family and enjoys scuba diving and surfing.

Richard is drawn to the professionalism and dedication of LWD's staff and its leadership. He appreciates the dedication to the community, attention to detail, comradery and that it is a well-run and highly effective organization.

Standout Achievements

We recognize the individuals who stand out for their professional achievements, as well as the collective efforts that make our team cohesive and effective. Over the past 6 months we have honored 5 people who push themselves for excellence every day, and we share the regional and statewide recognition given for the collective efforts of our 19 staff members.

Staff Awards



Gabriel Mendez

Associates Degree in Public Works Management Level II, Palomar College, and the LWD 5 year Service Award



Curney Russell

CWEA Collections System Maintenance Grade 1



Marvin Gonzalez

Certificate of Achievement in Wastewater Technology Education, Palomar College



Trisha Hill

LWD 15 year service award



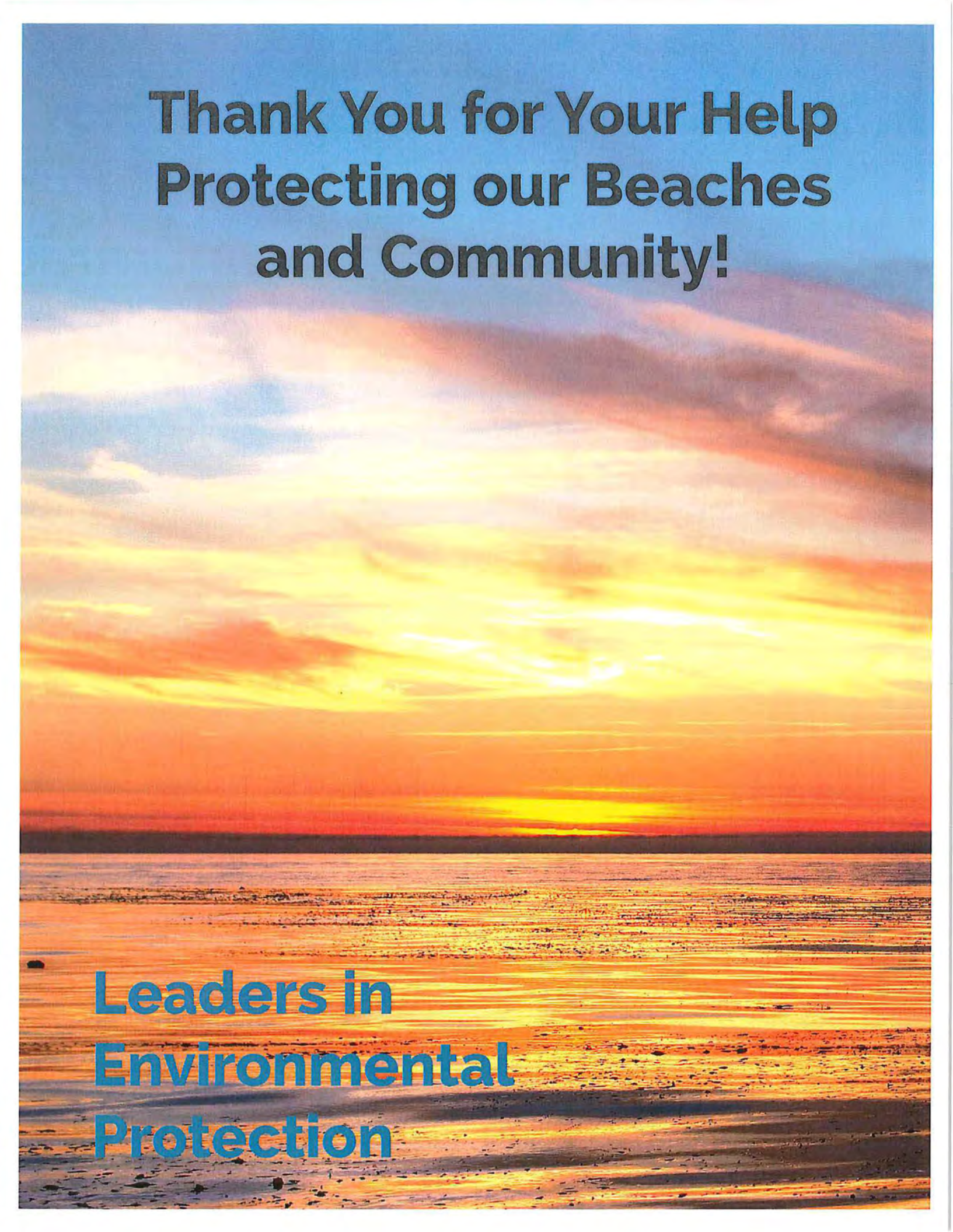
Mauricio Avalos

LWD 5 year service award

District Awards

- 5 years without a lost work injury
- 2 years of no driving accidents despite 8 vehicles and 12 people spending over 20,000 hours per year on the road
- 0 sewage spills for 12 months
- District Transparency Certificate of Excellence from the Special District Leadership Foundation
- As co-Founders of the North San Diego Water Reuse Coalition, this organization received
 - Commendation by the San Diego Grand Jury for collaboration and leadership
 - Finalist for the San Diego County Taxpayers Association Golden Watchdog award

We hope you enjoyed our semi-annual newsletter! Please follow us on our Facebook page [@LeucadiaWastewaterDistrict](#) or email us at info@lwwd.org for construction updates, or to send comments or questions.

A photograph of a sunset over a beach. The sky is filled with vibrant colors of orange, yellow, and red, with some clouds catching the light. The sun is low on the horizon, creating a bright glow. The beach in the foreground is dark and wet, reflecting the colors of the sky. The text is overlaid on the top half of the image.

**Thank You for Your Help
Protecting our Beaches
and Community!**

**Leaders in
Environmental
Protection**



1960 La Costa Avenue
Carlsbad, CA 92009

Downstream

Winter 2017 Newsletter



LEADERS IN
ENVIRONMENTAL
PROTECTION