

AGENDA

**COMMUNITY AFFAIRS COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT**

Thursday, August 10, 2017 – 9 a.m.
1960 La Costa Avenue, Carlsbad, CA 92009

1. **Call to Order**
2. **Roll Call**
3. **Public Comment**
4. **New Business**
 - A. Review the Summer 2017 Newsletter draft text. (Pages 2-10)
5. **Information Items**
 - A. Facebook Update. (verbal)
6. **Directors' Comments**
7. **General Manager's Comments**
8. **Adjournment**

MEMORANDUM

DATE: August 7, 2017
TO: Community Affairs Committee
FROM: Paul J. Bushee, General Manager *RQE for PJB*
SUBJECT: Summer 2017 Newsletter Draft Text Review

RECOMMENDATION:

Staff requests that the Community Affairs Committee (CAC):

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

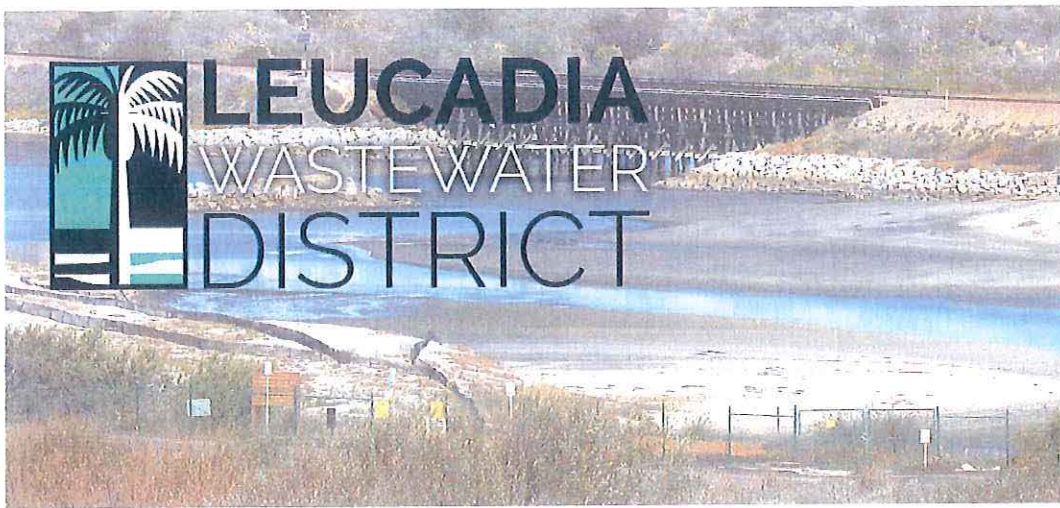
DISCUSSION:

During June 2017, Rising Tide Partners (RTP) presented a list of story ideas for the summer 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 summer 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



LWD Leadership
 Judy Hanson, President
 Elaine Sullivan, Vice President
 Allan H. Juliussen, Director
 David Kulchin, Director
 Donald Omsted, Director
 Paul J. Bushee, General Manager

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Summer 2017 Newsletter

LWD Open House - Saturday, September 23, 2017

Over the past year, we've been working to create more channels of communication with the most important people to us – our ratepayers! Our public outreach efforts have been directed at ensuring you know what's happening with the District and how it might impact your daily routine, as well as delivering updates on our work and staff's professional development. At the end of the day, seeing is believing, so we're excited to take our outreach efforts to a more personal level and invite YOU and your family to come out for some food and fun, learning about the ways Leucadia Wastewater District and some incredible

local organizations work to protect our watershed – from our neighborhoods, to our lagoons, to our beaches. We're excited to host some of our fellow wastewater agencies, non-profit organizations, and local businesses at 1960 La Costa Avenue, Carlsbad, CA on Saturday, September 23rd from 10 am – 2 pm. We'll have a fun filled day for you and your family including tours, equipment demonstrations, food, raffle prizes and giveaways. You'll get to see a demonstration of our pipe cleaning technologies, and learn about what we think is the best job around – protecting our neighborhoods and beaches from sewage spills!

Featured Booths



Special Thanks to Our Amazing Event Sponsors!

Opus Bank • Starbucks • Palomar Water • Wildcoast • Olivenhain Municipal Water District
 Encina Wastewater Authority • I Love a Clean San Diego • Shell/Circle K • San Diego Coastkeeper
 Bataquitos Lagoon Foundation • Southern Engineering • Base9 Consulting



LWD's Open House!

1960 La Costa Avenue
 Carlsbad, CA 92009
 Saturday, September 23rd
 10:00 AM - 2:00 PM

Teacher Grants

A mainstay of our public outreach efforts continues to be helping our teachers help local kids. Two local teachers received grants this spring to help enhance their educational plans.



El Camino Elementary School students learn about capturing and reusing rainwater.

Functional Food Production Garden

Curtis Fillmore – La Costa Canyon High School

Students of La Costa Canyon High School came together to build an on campus garden, educating students about food production and sourcing. In collaboration with the culinary arts program, these efforts provide hands on education about sourcing local and organic spices and foods, the fundamental aspects of composting and gardening, and mentor students with special needs.

Rain Garden Educational Pathway

Jenny Smith – El Camino Creek Elementary

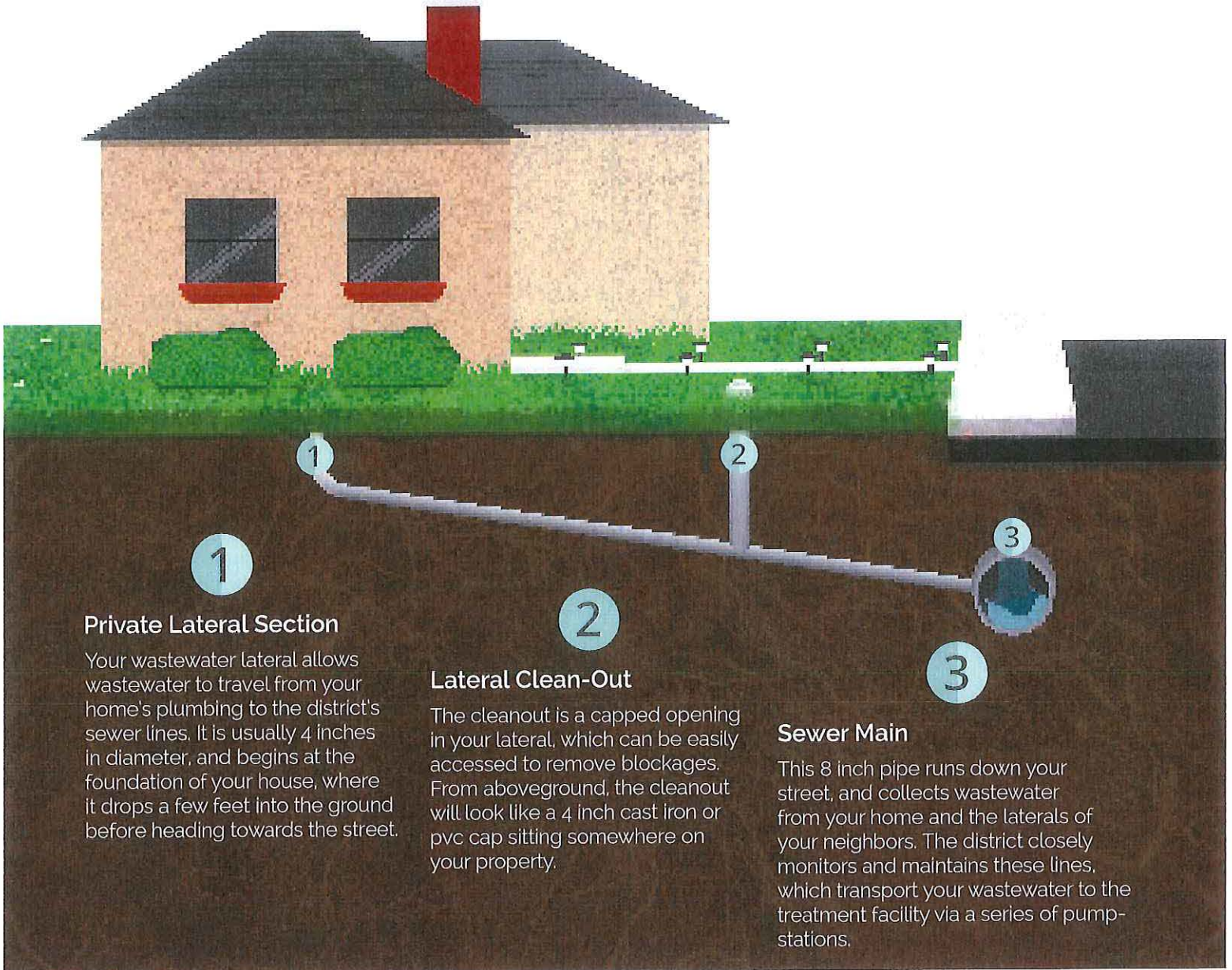
With a plan to clean up their watershed, over 20 students at El Camino Creek Elementary applied to win a grant to help redirect water and stop debris from flowing off a hillside and plugging up parking lot drains. This project will help educate the 700+ students from El Camino Creek about how to prevent ocean water pollution by utilizing natural resources.

Additional Space for Graphics

Lateral Grant Program

Beneath your house is a pipe that delivers your wastewater to our sewer main, it's called a lateral line. Below is a graphic detailing the key parts of a lateral line.

Homeowners are responsible for maintaining and repairing their lateral up to the point where it connects to the sewer main. To help lower the cost of maintenance, LWD offers a grant program that will reimburse 50% of the repair cost, up to a maximum of \$3,000. For more information on our Lateral Grant Program, please visit lwwd.org under the Customers tab.



Sewer Service Fees & Two New Ordinances

We're excited to announce that as part of our fiscal year 2018 Budget our rates will remain the same at \$28.64 per month for a single-family home. We're particularly proud of this as it is a reflection of careful management of our assets and financial resources. Our ratepayers are the ones who benefit the most, as our service area continues to have one of the lowest sewer rates in San Diego County!

The District recently revised two important ordinances that impact fees we may charge customers. Any new homes or businesses need to pay a one-time capacity fee when connecting to our sewer system. We recently reviewed the Equivalent Dwelling Unit (EDU) factor and capacity fee schedule to ensure compliance with current laws. No changes were made to the capacity fee per EDU rate. The second ordinance updated the District's administrative citation process and added fines for illegal dumping into the sewer system.

Fines for Illegal Dumping

From November through June, we had 3 incidents where pool installers disposed of their wet concrete and pool plaster down their customer's cleanouts. Our Field Service Technicians found the hardened concrete in our sewer lines and removed it. Each time we find and remove obstructions like this, it costs the District about \$4,000 in labor materials and equipment use, not to mention the potential for large regulatory fines to LWD if there was ever a sewage spill.

As of July 2017, we will begin assessing the following fines to anyone found to have illegally dumped waste into the sewer system.



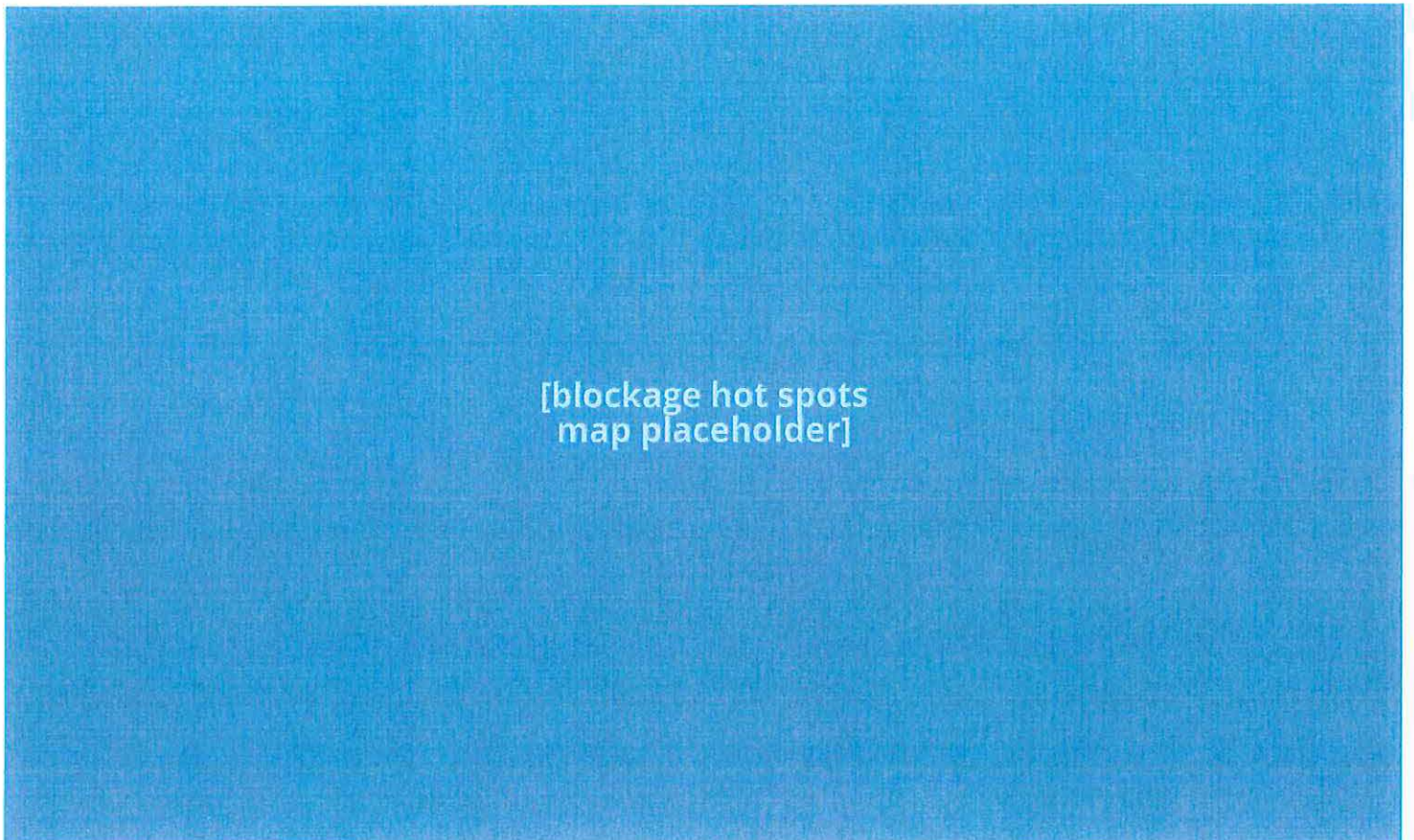
Hardened pool plaster removed from LWD sewer pipes.



Only You Can Prevent Sewer Blockages

Our Field Services team continues an impressive volume of monitoring and cleaning work throughout our sewer pipelines. However, in the course of this work, we've found some recurring problems that could have quickly escalated into sewage spills.

In addition to pool construction waste, the major offenders continue to be wet wipes flushed down toilets, rags, other debris, and buildups of FOG (fats, oils and grease) dumped down kitchen drains. The map below shows "hot spots" for grease buildup, pump stations that are regularly clogged with wipes and rags, and pool plaster locations.



Infrastructure Improvements

Capital improvement projects are an integral component of ensuring the safety and integrity of our sewage system. Below is a recap of recently completed projects.

L1 Force Main and CIPP Lining

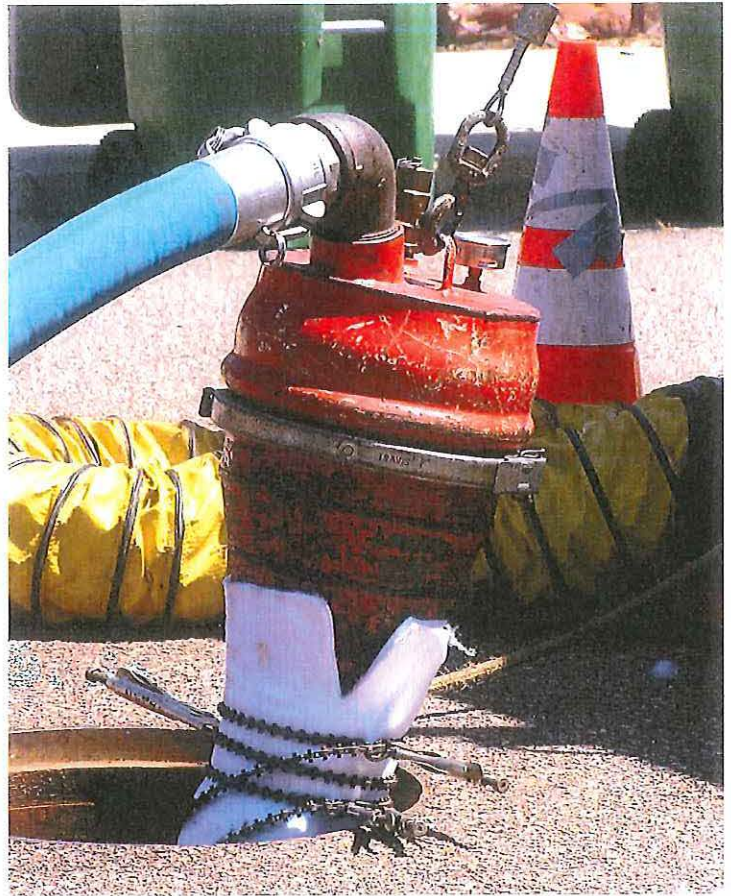
One of our larger infrastructure projects this year has been the Leucadia Force Main Project. Ongoing inspections by our project team uncovered multiple sections of concrete pipe that showed signs of weakening, and ductile iron pipe that had started to corrode.

This project started with a Cured in Place Pipe (CIPP) lining in February and March between Seabreeze Court and the I-5 South onramp in an old and deteriorating concrete pipe. CIPP liners are a “trenchless” technology that allows us to repair pipes by adding a PVC coating to the interior wall without requiring expensive, long, and invasive construction projects.

After the completion of the CIPP lining, the Leucadia Force Main (L1 pipeline) was dug up and moved back from the north side of La Costa Avenue to the south side. We relocated it further away from the Batiquitos Lagoon to help mitigate against bluff retreat. We project that these new PVC pipelines will last at least 50 years, and potentially longer.

Village Park 5 Pump Station

Another significant project completed this spring was the replacement of the Village Park 5 (VP5) pump station. Originally constructed in 1974, it is located in the City of Encinitas on the west side of Encinitas Boulevard, just south of Willow-spring Drive. In 2014 we completed a pump station assessment and VP5 was scheduled for replacement due to its age, the fact that spare parts are no longer available, and to provide a safer working environment for staff. The new VP5 is now a submersible pump station and is easier to maintain and operate, and it's more energy efficient.



Maintenance staff insert a CIPP (Cured-In-Place Pipe) nozzle into a storm drain to line it with a resin-saturated felt tube.

Saving Money From the Sun

In order to save money and reduce emissions, we have purchased and installed over 400 solar panels on our administrative and operation buildings and pump stations. In addition to enabling us to generate some of our electricity from the sun, this investment allows us to change and reduce our SDG&E rate structure. The District is currently completing a project to separate the administrative and operations electrical meters from the pumping facilities, qualifying the District for lower electrical rates. A new rate schedule means potential savings of nearly \$35,000 per year and is projected to pay for itself in under 3 years.

Reducing electricity rates and utilizing renewable energy is good for our ratepayers and good for the planet. It will help lower our operating costs, so we can continue to offer one of the lowest sewer rates in San Diego County!








Recycled Water

We are one of ten water and wastewater agencies collaborating to increase the amount of recycled water produced and distributed in North San Diego County. As a group, we're working at the regional, state and federal level to provide the following benefits to North County. The Coalition has received \$4.95 million to develop integrated










wastewater reuse projects from Del Mar to Oceanside and east to Escondido. By working together, these agencies are demonstrating a commitment to provide a reliable, drought proof source of water for the region and reduce discharge of wastewater into the ocean. The coalition includes the following agencies:

North San Diego Water Reuse Coalition Members



-  Produce 72 MGD of recycled water
-  Improve 9 treatment plants
-  Create 7 potable reuse plants
-  Create 7,000 jobs
-  Construct 90 miles of recycled water pipeline

LWD's System Overview

-  3.9 million gallons of wastewater per day
-  5,000 manholes
-  18 miles of pressurized pipelines
-  214,000 gallons of recycled water per day
-  200 miles of gravity fed pipeline
-  10 pump stations
-  62,000 people in 16 square miles
-  19 Employees
-  1 Water Treatment Plant

Facilities Overview

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

Semi-Annual Performance

2134 days of no lost work
706 million gallons treated
38.7 million gallons recycled
137.6 Miles of Pipe Cleaned
39.6 miles of pipe inspected

Standout Achievements: Staff Awards and Professional Certifications

A highly professional organization attracts the best and the brightest in its field. We're fortunate to celebrate these individuals, and the collective achievements of the people who make LWD run as well as it does. We'd like to share some of the impressive achievements of our staff from the Winter and Spring of 2017.



Rick Easton won the California Water Environment Association Operator of the Year, at both the San Diego Chapter and State level



Hugo Gonzalez earned the California Water Environment Association's Collections System Maintenance Grade 2 Certification



Curney Russel earned the California State Water Resources Control Board's Treatment Operator T1 Certification



The District won the California Association of Sanitation Agency's Small Agency Public Outreach and Education Project of the Year Award.



The District won a Certificate of Award for Outstanding Financial Reporting from the California Society of Municipal Finance Officers (8th year).



The District was recertified as a District of Distinction by the California Special Districts Association



No vehicle accidents for three years



One year without a sewer spill



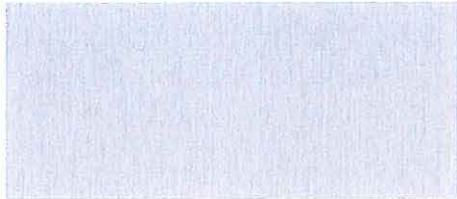
The District won the California Water Environment Association's San Diego Local section **2016 Community Engagement & Outreach Project of the Year Award**



1960 La Costa Avenue
Carlsbad, CA 92009

Downstream

Summer 2017 Newsletter



**Leaders in
Environmental
Protection**