


AGENDA
COMMUNITY AFFAIRS COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT

November 19, 2010 – 9:30 A.M.
1960 La Costa Avenue, Carlsbad, CA

1. **Call to Order**
2. **Roll Call**
3. **Public Comment**
4. **Old Business**
None.
5. **New Business**
 - A. Review and discuss the draft text of the winter 2011 Newsletter. (Pages 1-6)
 - B. Review Teacher Grant Applications. (Pages 7-9)
6. **Information Items**
None.
7. **Director's Comments**
8. **General Manager's Comments**
9. **Adjournment**

MEMORANDUM

DATE: November 15, 2010
TO: Community Affairs Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Winter 2011 Newsletter Draft Text Review

RECOMMENDATION:

Staff requests that the Community Affairs Committee (CAC):

1. Review the and discuss the draft text of the Winter 2011 Newsletter.

DISCUSSION:

At the October 28th CAC meeting, the CAC reviewed the draft text of the winter 2011 Newsletter. The CAC directed KATZ and staff to rewrite the draft articles. Staff and KATZ have completed the revised articles and they are attached for your review.

Staff requests that the committee review the proposed articles and provide comments as appropriate.

Attachment

cal:PJB

Leucadia Wastewater District's Winter 2011 DownStream
REVISED DRAFT ARTICLES NOV. 10, 2010

A Dynamic Team

PHOTO (*service area map/Leo and his team in the field/graphic detailing field services' roles*)

Most people never think about sewage until problems occur in their homes. However, for a small group of wastewater professionals, it's a daily job in which they take great pride. Leucadia Wastewater District's Field Services team represents a growing number of environmental leaders whose sole task is to ensure the smooth operation of sewer facilities. They have each completed a rigorous training program and most have successfully passed strict certification exams. They are the first responders that routinely ensure more than 4 million gallons of wastewater a day are safely conveyed from homes and businesses to Encina Wastewater Authority's award-winning treatment facility. LWD is pleased to highlight them in this winter newsletter.

On the surface, the work performed by the field services staff appears straight forward. However, it is now more technically advanced. In addition to maintaining more than 200 miles of pipelines, more than 5,000 manholes, and 10 wastewater pump stations, LWD staff operates a fleet of specialized "vactor" trucks that clean sewer lines through a combination of water jetting and vacuuming action. Crews also use state-of-the-art TV cameras to annually inspect sewer lines for obstructions or damage. In addition, they operate a water recycling facility that provides treated water for La Costa Resort and Spa's southern golf course.

While still a labor-intensive job, LWD's wastewater professionals maintain highly technical computerized monitoring and reporting systems to ensure wastewater operations are operating correctly. If a problem does occur, a trained field services technician is available 24 hours a day to trouble-shoot, identify and initiate corrective action. Whether dealing with pumps, generators or computerized monitoring systems, our team of competent professionals is trained to maintain our modern facilities.

Customer service is a top priority at LWD. Each employee recognizes our responsibility to serve the public. As ambassadors in the field, our field services staff is always ready to answer questions or concerns. If our team is working in your area, we encourage you to meet our Field Services employees and seek assistance, if required. In the past, we have received numerous unsolicited thank you notes from local area residents, because our team has gone out of their way to assist the public. This shows our employees are committed District representatives dedicated to protecting public health and ensuring the safety of our environmental resources.

Cover Article Sidebar - Employee Spotlight

Leo Schempp

Field Services Manager

PHOTO *(will include a photo of Leo at the start of his career)*

This month Leucadia Wastewater District bids a fond farewell to Leo Schempp, LWD's Field Services Manager. After 12 years of outstanding service managing LWD's operations department, Leo has decided to retire. His departure marks the end of a successful wastewater career.

As Leo leaves the District, we proudly celebrate his many accomplishments not only at LWD but at other organizations where he previously served. Prior to his wastewater career, Leo served for 22 years in the U. S. Navy. "The fact that he began his naval career as an enlisted man and received promotions to his final rank of Lieutenant Commander is a remarkable accomplishment and a tribute to his dedication and commitment," said General Manager Paul Bushee.

During his time in the Navy, Leo also studied for and received his degree in Chemical Engineering from the University of New Mexico, which came in handy for his second career in the wastewater field. True to form, Leo began his wastewater career at the bottom – starting as an operator in training at the Encina Wastewater Authority in 1991. He quickly ascended the ranks of his new industry and served as a supervisor in his first stint at LWD from 1993 to 1995. Then as the Operations Manager for a large treatment plant in the City of Riverside before returning to LWD as the head of the Field Services Department.

Leo's many other pursuits within the industry include serving as a longtime faculty member at Palomar College where he teaches courses in wastewater technology and serving in various capacities with the California Water Environment Association. A number of LWD's current field service employees benefited from Leo's tutorship after taking his classes at Palomar inspired them to pursue wastewater careers.

His tenure at LWD is marked by a high degree of growth and success. During the last 10 years, LWD received recognition as California's Collection System of the Year an unprecedented four times. Leo's individual achievements include certification not only as a Grade 5 Wastewater Treatment Plant Operator but also as a Grade 4 Collection System Operator. Both certifications represent the highest level of achievement possible and are a tribute to his professional dedication.

Leo is remembered not only because of his outstanding service and professional dedication, but also for his positive interaction with LWD's Board, staff and customers. Leo will certainly be missed. Staff and Board Members wish him much happiness in his retirement and continued success in his future endeavors.

Lateral Grant Program Update

Tree roots are a leading cause of clogged drains and sewer spills. While our Field Services team routinely inspects the larger public sewer mains with a TV camera, we are not able to reliably check the entire condition of your private lateral. However, we are often able to see root intrusion or cracked pipes that occur near the junction of a lateral with our sewer main.

If during our inspection we notice a private lateral problem, we will send a "Root in Lateral" letter that notifies property owners of potential problems. If you receive this letter, we encourage you to contact a licensed plumber to investigate the problem and potentially avoid a larger, more expensive repair. While maintaining the sewer lateral is the property owner's responsibility, the District's Lateral Grant Program may help with expenses. LWD is one of the few organizations in Southern California that offers such a program.

Contact the District for an appointment to determine if the proposed work qualifies for the Lateral Grant Program. LWD must pre-approve and provide a visual inspection of all completed work. Customers may qualify for reimbursement of half the repair cost - up to a maximum \$3,000 reimbursement, if funds are available. Contact Leucadia Wastewater District at (760) 753-0155 or visit www.lwwd.org for Lateral Grant Program details.

Radiant Solar Savings

PHOTO – (LWD Solar Kiosk – may show someone viewing the information on the Kiosk)

The District completed its solar energy program's first year by saving more than \$18,000 in energy costs. "Since the installation of our solar panels, we've generated more than 127,000 kWh of electricity," said Project Manager Robin Morishita. This is enough power to operate seven homes for one year. The use of the solar panels eliminated more than 157,000 lbs. of carbon dioxide, which is equivalent to 16 cars emitting carbon dioxide annually.

Stop by our office and view the solar computer kiosk that provides hourly reports showing how much solar energy is captured and converted to electricity.

**Leucadia Wastewater District's Winter 2011 DownStream
REVISED DRAFT ARTICLES NOV. 10, 2010**

Lightning Strike Leads to Spill

LWD experienced an unusual lightning strike in October that led to a wastewater spill at the Baticuitos Pump Station on Highway 101 in Carlsbad. The lightning damaged the pump station's communications equipment and main computer causing the pumps to turn off. Unfortunately, more than 69,000 gallons of wastewater made its way into the Baticuitos Lagoon. Long-term environmental impacts of the spill are not anticipated since the lagoon flushes naturally. A team of experts evaluated the impacts of the lightning strike and they are working with LWD to prevent future system failures.

Speakers' Bureau Program

Interested in learning more about Leucadia Wastewater District? Call 760-753-0155 or email: info@lwwd.org to schedule a presentation for your organization.

Behind the Scenes at Encina

The Leucadia Wastewater District transports wastewater to the Encina Water Pollution Control Facilities in Carlsbad where it is treated to protect public health and the environment. Encina is a regional treatment facility that is owned by six public agencies including the Leucadia Wastewater District. Visit www.encinajpa.com for more information.

Efficient Energy Generation

PHOTO - (if space is available).

Many people are not aware that, in addition to operating a treatment plant, Encina Wastewater Authority operates a highly efficient electrical generation facility. There, they use the bio-methane generated from the wastewater treatment process as an energy source. Encina's power facility also captures waste heat off of the large electrical engines and utilizes it to heat other treatment processes, which further saves energy. Encina's power program saves the agency nearly \$3 million annually in electrical costs. It also provides an alternative "green" energy source that would otherwise require combusting thousands of pounds of fossil fuels.

The U.S. Environmental Protection Agency recently recognized Encina for its green energy program by awarding it membership in its prestigious Green Power Partnership Program Leadership Club. "We produced nearly eleven million kilowatt hours from onsite-generated bio-methane in 2009, which is roughly equivalent to providing the energy needs of nearly 600 homes per year" said Encina General Manager Kevin Hardy. "Our Green Power Partnership is proof that EWA is a model of excellence and innovation in the wastewater industry."

U.S. EPA indicates that the combined purchases of all its Green Power Partnership members total approximately 17 billion kWh of green power annually. This amount equates to the prevention of carbon dioxide emissions from more than 1.4 million average U.S. homes. The federal agency applauds its 1,200 members nationally who voluntarily use green power to reduce the risk of climate change.

Leucadia Wastewater District's Winter 2011 DownStream
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Construction News

Last September, LWD completed a \$2.6M project that replaced two pump stations and more than 7,000 feet of existing sewer lines throughout the City of Encinitas. Both the pump stations and pipelines served the community reliably for more than 30 years. The project occurred as part of upgrades scheduled in the District's Asset Management Master Program that identifies preventative maintenance requirements before system failures occur.

A Batiquitos Force Main Repair Project began in November along Coast Highway 101 north of La Costa Ave. This four-to-six month project, costing \$1.1M, replaces approximately 1,300 feet of metal pipe which failed in May 2010 after 31 years of service. While the metal pipe had an anticipated life of 50 years, replacement became a priority following the incident. The new polyvinylchloride (PVC) pipe should last a minimum of 50 years.

Please exercise caution and observe all traffic signs while driving, biking or walking in any of LWD's construction areas.

San Diego County Water Authority's Internship Program An Industry Success Story

PHOTO (*photos of previous and current interns*)

The Leucadia Wastewater District has joined the San Diego County Water Authority and other regional water/wastewater agencies, community colleges, and private-sector partners to develop a water and wastewater internship program. As the water and wastewater industry experiences an increased demand for qualified staff, this internship program provides students in the San Diego region with career opportunities and on-the-job experience.

More than eight interns have honed their wastewater industry skills at Leucadia Wastewater District since the internship program began. According to Field Services Manager Leo Schempp, "the program provides an excellent way for students to experience first-hand opportunities in the wastewater industry." LWD's current intern, Mario Delarosa is shown in the photo above.

Contact the San Diego County Water Authority at (858) 522-6660 for more information on the intern program.

Speakers' Bureau Program

Interested in learning more about Leucadia Wastewater District? Call 760-753-0155 or email: info@lwwd.org to schedule a presentation for your organization.

Teacher Grant Project

PHOTO (*photos of teachers in their classrooms with students if possible*)

**WILL ADD INFORMATION AFTER AWARDS ARE DETERMINED IN
DECEMBER.**

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MEMORANDUM

DATE: November 16, 2010
TO: Community Affairs Committee
FROM: Paul J. Bushee, General Manager
SUBJECT: Review Teacher Grant Application



RECOMMENDATION:

1. Review the grant application and provide direction on the grant award as appropriate.

DISCUSSION:

LWD's Teacher Grant Program was approved by the Board of Directors at its February 2009 meeting. At that meeting, the Board directed staff to set a deadline for the applications in sufficient time so that the award recipient(s) could utilize the funds prior to the end of the school year.

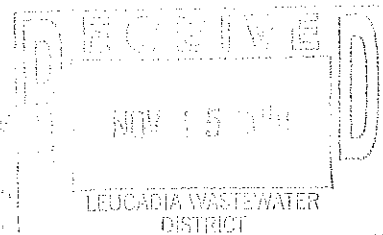
Staff contacted and notified nine elementary schools, one middle school, and one high school of the Teacher Grant program during September 2010. The deadline for submitting the grant application was October 30, 2009.

LWD received one application (attached). Staff requests that the CAC review the application and provide direction on the grant award as appropriate.

th:PJB



LEADERS IN ENVIRONMENTAL PROTECTION



Grant Application Form

During the 2010-2011 school year Leucadia Wastewater District will award grants to teachers in local elementary, middle, and/or high schools in LWD's service area. The District anticipates awarding up to five grants up to \$1,000 each.

Use this cover sheet as page one of your application. Identifying information is to be included on the cover sheet only. IN YOUR PROJECT NARRATIVE DO NOT INCLUDE YOUR NAME, THE NAME OF YOUR SCHOOL, OR THE NAME OF YOUR DISTRICT. Completed applications MUST BE emailed to thill@lwwd.org or received by Monday, November 15, 2010.

IDENTIFYING INFORMATION

Cher Lally-Deering

Teacher's name

Two

Grade

All subjects

Subject

Olivenhain Pioneer Elem.

School name

Encinitas Union

District

8000 Calle Acervo

School address, including street, city and zip

Erin English

Principal's name

760 943 2000

School phone number

OPE PTA

Name of parent organization (i.e. PTA or school foundation)

Poppin' For World

Project title

\$983.⁰⁰

Grant amount requested

Cher Lally-Deering

Teacher's signature

Please tell us how you heard about this program

- Posture/Flyer Web site Another Educator Newsletter Other

Grant Criteria

*Activity is to raise money for UNICEF (United Nations International Childrens Fund) for the purchase of water pumps for entire communities.

*The project is for elementary school students.

*Our activity is popping and selling popcorn through our student based company called "Poppin' for the World."

*We would purchase the PopMaxx 12-14oz. Popcorn Machine that is currently sale priced at \$983. The popcorn kernels are currently donated by the teacher in charge of the project.

Narrative Instructions

A. Description of the Project:

Students run a popcorn selling business Fridays, after school called, "Poppin' for the World." The money raised is sent to UNICEF that can purchase water pumps for whole communities for \$500 each.

Twenty-three second graders and their parents volunteer their time to pop, bag, and sell their product for a donation. Over 750 students, their parents, and staff members purchase our product.

Teacher donates the kernels to be popped. Parents spend hours volunteering time to help the students. We are in need of an Industrial size machine that can pop corn at a faster rate and produce more bags to sell. (Our current machine is 10 years old and worn out!)

Our project takes place during our "Marketplace Fridays" on our elementary school campus throughout the entire school year. We also sell our product during special school events.

B. Objectives:

Our objective is for students to value the importance of a Service Learning Project and let kids know that kids helping kids have access to clean water is making a difference in the world.

C. Budge:

The PopMaxx Popcorn Machine is currently on sale for \$983. No tax. Teacher will pay for shipping. The machine is a non-consumable and will be used for years.