

AGENDA

**COMMUNITY AFFAIRS COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT
Tuesday, December 4, 2018 – 1:30 p.m.
1960 La Costa Avenue, Carlsbad, CA 92009**

- 1. Call to Order**
- 2. Roll Call**
- 3. Public Comment**
- 4. New Business**
 - A. Discussion of the Winter 2019 Newsletter Proposed Article Topics and Production Schedule. (Pages 2-4)
 - B. Review of the Teacher Grant Applications. (Pages 5-18)
- 5. Information Items**

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

MEMORANDUM

DATE: November 29, 2018
TO: Community Affairs Committee (CAC)
FROM: Paul J. Bushee, General Manager 
SUBJECT: Winter 2019 Newsletter Topics/Ideas and Production Schedule

RECOMMENDATION:

1. Discuss and provide direction as appropriate.

DISCUSSION:

Tactical Goal: Services / Write, Design, Print & Mail Winter Newsletter

Developing LWD's winter newsletter is included as a goal under the "Services" strategic focus area of the Fiscal Year 2019 Tactics & Action Plan. As such, the development of the newsletter is an important part of LWD's Public Information Program. Staff has initiated discussions with Rising Tide Partners (RTP) for production of the 2019 winter newsletter and RTP, along with staff, has subsequently developed proposed article ideas and a production schedule for the CAC's review (attached).

Board members not participating on the CAC were asked for their input on the newsletter topics and no comments were received.

Staff is requesting that the CAC discuss the suggested story ideas; review the proposed production schedule; and provide direction prior to development of draft text. Once the story ideas and schedule are approved, RTP will provide draft text to the CAC in accordance with the approved production schedule.

th:PJB

Attachments

LWD's Winter 2019 Newsletter Topics/Ideas

1. Lead Articles

- Maintaining infrastructure – Smoke Testing

2. Main Articles

- LWD & Homeowners are both partners in environmental stewardship

3. Educational Opportunities / “Living Lab” at LWD & Tours

- School Tours
- Teacher Grants Winners & Projects
- Storm Water Pollution Prevention Program (SWPPP) Internships

4. CIP/Construction Updates

- New method for lining pipes
- Pipe lining program impactful stats

5. Field Maintenance

- Overview of CCTV & line cleaning
- Proper disposing of chemicals and medicines
- System over stats

6. Admin Updates

- FY19 Audit Results
- Owl Box Install

7. Call for More Local Photographers

- Showcase submissions, ask for more, use #LWDPhoto

8. Standout Achievements: Staff Awards, Professional Certs, District Awards

- 7 years without loss time injury accident
- Received District of Distinction (Platinum) by SDLF
- 5 Year Service Award – Hugo Gonzalez
- 5 Year Service Award – Rick Easton

LWD Newsletter Production Schedule – Winter 2018 Edition

Week of November 12th, 19th, & 26th

- Commence content development and ideas

Week of December 3rd

- Meet with CAC to discuss newsletter outline and content ideas.

Week of December 10th and 17th

- RTP will commence development of Draft 1 text copy.

Week of December 24th and December 31st

- RTP will submit Draft 1 text copy for staff review.
- LWD staff will provide text copy review, comments, and feedback.
- RTP will revise and submit Draft 2 text copy for CAC review.
- RTP will work with graphic designer to start draft layout and gather needed photo assets.

Week of January 14th

- Meet with CAC to discuss changes on Draft 2 copy.

Week of January 21st

- RTP will revise and submit copy and layout design for staff review.

Week of January 28th

- LWD staff will provide copy and layout review, comments, and feedback.

Week of February 4th

- RTP will make revisions and submit for CAC review.
- RTP will submit print/mail quotes for staff review.

Week of February 11th

- RTP will meet with LWD staff and Committee to get final comments and revisions.
- RTP will submit final layout for staff review. LWD will submit final newsletter layout to Board for review. RTP will make final revisions as needed.

Week of February 18th


- RTP will prepare final newsletter for printing and mailing and submit to printer.
- RTP will notify mailing house of approximate ship date.

Week of February 25th

- Newsletter is shipped to mailing house.
- Newsletter is delivered to residents and businesses.

MEMORANDUM

DATE: November 29, 2018
TO: Community Affairs Committee (CAC)
FROM: Paul J. Bushee, General Manager
SUBJECT: Review of Teacher Grant Applications



RECOMMENDATION:

Staff requests that the CAC recommend that the Board of Directors:

1. Award Four Teacher Grants totaling \$5,934.18; or
2. Discuss and provide direction, as appropriate.

BACKGROUND:**Tactical Goal: Services/ Teacher Grant Program Awards**

LWD's Teacher Grant Program was established during 2008. Over the years minor adjustments have been made to the program such as, updating the timeline of the program and increasing the dollar amount of the grant that teachers are eligible to receive. During the past two fiscal years, the District has noticed a decrease in the number of received teacher grant applications. As a result, at the August 2018 CAC meeting, the committee agreed with staff to update the Teacher Grant Program and its outreach efforts with a goal to receive more teacher grant applications during the fiscal year 2019 (FY19) school year. The Teacher Grant amount was increased to maximum amount of \$2,000 per grant and the budget was increased to \$6,000. In addition, staff outreach efforts were increased by the following tasks:

- ✓ Staff and RTP visited all schools to drop off Teacher Grant brochures and inform the schools about the program
- ✓ Staff and RTP provided a brief presentation of the program to Capri Elementary School
- ✓ Increased emails notifications and reminders to the schools and teachers
- ✓ Increased the numbered of Facebook posts about the Teacher Grant Program

DISCUSSION:

During early September 2018, staff provided the teacher grant information to nine elementary schools, one middle school, and one high school indicating that the submission deadline was October 25, 2018. Staff contacted all schools and teachers via email, as well as brief visits to the schools to drop off Teacher Grant brochures and schedule on site presentations. Staff also updated the LWD website that included a Teacher Grant Program page with a quick link to its home page. Rising Tide Partners (RTP), posted several Facebook posts about the program and LWD received several online discussions about the program.

As a result of these efforts, the District received the following four applications by the deadline:

Received Teacher Grant Applications:

Applicants	School	Amount Requested:	Project
June Honsberger	La Costa Canyon High School	\$2,000	Drought Tolerant Garden
Nancy Jois	Capri Elementary	\$1,100	Where does water come from?
Carrie Lancon	Capri Elementary	\$1,500	Capri Wave-Plastic Free Under the Sea
Jennifer Smith	El Camino Creek Elementary	\$1,334.18	Hydroponic Garden
TOTAL:		\$5,934.18	

Staff has reviewed all applications and each qualifies for a grant based on the program's criteria. Also, the total costs for all four grant requests is under the FY 19 budget of \$6,000. Staff is recommending that the grants be awarded to all four applicants. The applications are attached for your review.

Staff recommends that the CAC review the teacher grant applications and forward applications to the Board of Director's at the December 12, 2018 Board meeting for their approval.

th:PJB

Attachments



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Grant Application Form

During the 2018-2019 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 three grants up to \$2,000 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 mbrechbiel@lwwd.org or received by Thursday, October 25, 2018.

IDENTIFYING INFORMATION

Nancy Jois

Teacher's name	Kindergarten	Science	
Grade	Capri	Subject	Encinitas Union School District
School name	941 Capri Road Encinitas Ca 92024	District	
School address, including street, city and zip	Mrs. Carrie Lancon	760 944 4360	
Principal's name		School phone number	
Name of parent organization (i.e. PTA or school foundation)	Where Does Water Come From?	\$1100.00	
Project title	<i>Nancy Jois</i>	Grant amount requested	
Teacher's signature			

Please tell us how you heard about this program

- Posture/Flyer Web site Another Educator Newsletter Other

Representatives from your office came to our staff meeting.

To whom it may concern,

I am applying for a grant in the amount of \$1,100 to teach my kindergarten students about the water cycle and where water comes from to meet the Next Generation Science Standards for their grade. With these funds my class would participate in a project, learning about where water comes from and, specifically, how the water cycle functions in San Diego.

My class would be placed into 4 groups, each with a specific function. The first group would interview other students at our school about where they think water comes from. This would provide a baseline of understanding from which my students could extend their learning at various water locations within our community. The second group would be in charge of interviewing docents at the Leucadia Wastewater District (or Encina Wastewater Treatment Facility) about what they do with water at their facility. The third group would be in charge of interviewing a docent at the San Elijo Lagoon, learning how water gets to the lagoon and what happens to the water once it's there. The fourth group would be in charge of interviewing a representative from either the I Love a Clean San Diego or the Surfrider Foundation at Moonlight Beach to learn importance of keeping all waterways clean.

These interviews would occur on location at our school, the Wastewater District, the lagoon, and the beach. The interviews would be videotaped by a parent volunteer and then sent to Chakra Media for processing. The resulting video would then be used to teach other primary grades about the water cycle. The video could also be shown at the Dove Library in Carlsbad and used as part of District curriculum online (grades K-2). At the conclusion of this project not only would my class understand how the water cycle functions in San Diego but their video would aid other students, grades, schools, and our community in understanding San Diego's water cycle, through the eyes of children.

This project consists of 22 students, 1 teacher, 6 parent volunteers, and roughly 10 community members. We would use \$500 of the funds to provide transportation to and from the 3 locations outside our school (the water treatment facility, San Elijo Lagoon, and Moonlight Beach) and \$500 for processing of our video footage into a formal presentation, and \$100 for technical advice for creating water related questions. Our project would begin in January 2019 and filming would conclude by the end of February 28th 2019. Our footage would be sent out for processing by March 1st and be ready for presentation by March 18th.

As a result of this project my students will be able to: 1. Understand the water cycle and how the water cycle functions in San Diego, 2. Understand their role in the water cycle, 3. Understand the importance of clean water and that it is finite, 4. Understand that their knowledge can be used to teach others.

Budget:

\$500 for transportation

\$500 for video production

\$100 for Advisor, UC Davis Environmental Engineering graduate student

Gratis Advisor- Environmental Engineering Consultant Weston Solutions

Thank you for your time and consideration.



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IDENTIFYING INFORMATION

June Honsberger

Teacher's name

9-12th grade

Earth Science

Grade

Subject

La Costa Canyon High School

San Dieguito Union HS

School name

District

1 Maverick Way Carlsbad, CA 92009

School address, including street, city and zip

Reno Medina

760-436-6136

Principal's name

School phone number

La Costa Canyon Foundation

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

Drought Tolerant Gardens

\$2000

Project title

Grant amount requested

Teacher's signature

Please tell us how you heard about this program		email
<input type="checkbox"/> Posture/Flyer	<input type="checkbox"/> Web site	<input type="checkbox"/> Another Educator
<input type="checkbox"/> Newsletter	<input checked="" type="checkbox"/> Other	

Drought Tolerant Gardens

A. Description of Project:

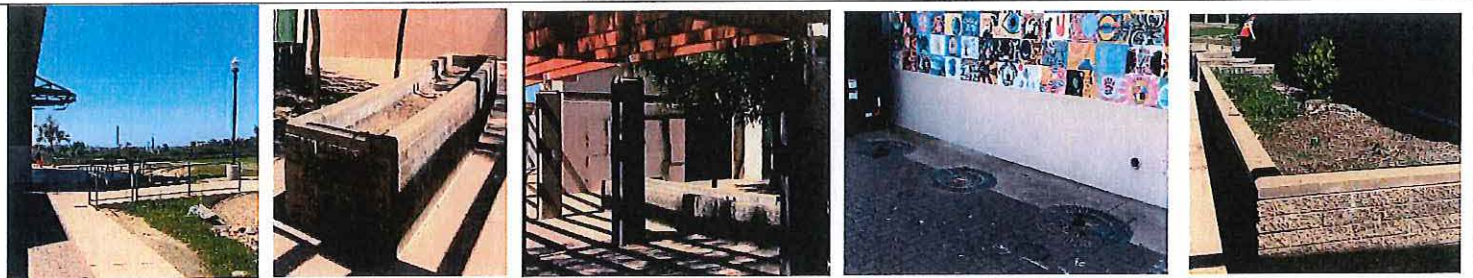
This water use project will have students re-design, plant and maintain new drought tolerant garden areas that will become the backdrop for our school's open air performances. The gardens will surround the theater and music buildings and they will create beautiful outdoor performance spaces. The project will be a joint endeavor between the earth science and theater production classes.

The earth science students will research low-water plants and trees to discover which varieties will grow in our arid climate. The science students will work in groups to design and choose plants for the different areas. They will then meet with the theater production students to share their designs and revise the plans as needed. Once the designs are finalized, the supplies will be ordered, and all of the classes will work together to install the new gardens.

After the gardens are installed the students will be responsible for maintaining the plants for the duration of the school year. Additionally, science students will investigate the benefits of providing a habitat for native wildlife through a variety of garden activities and experiments. They will keep detailed records of plant growth and use the data to make the connections between local climate, native plants and the water cycle.

This garden project will involve three classroom teachers and 120 high school science and theater students, grades 9-12. The project will be on going and will begin in December 2018. These hands on activities require garden tools, soil, compost, plants, trees, seeds, and mulch. Funds are needed to make this garden project a success. The grant would be used to purchase necessary supplies. Our parent foundation will provide the garden gloves and shovels needed for this project.

Below are 5 of the 10 different open air patio and stage areas that will be transformed by the drought tolerant gardens.



B. Learning Objectives

Students will understand the water cycle and the symbiotic relationship between local climate, native plants and wildlife. Students will study our arid climate in Southern California and how it affects the choices we make in our garden. Students will research and choose low-water plant varieties. Students will record and graph growth patterns in plant varieties to determine the characteristics of successful gardening.

C. Budget

Item	Quantity/vendor	Amount	Non-Consumables
Hose reel	3 @ 25.00- Home Depot	\$75	x
100' garden hose	3 @ 75.00 – Home Depot	\$225	x
Hose nozzle	5 @ 10.00 – Home Depot	\$50	x
Watering can	15 @ 15.00 – Home Depot	\$ 225	x
Water key	5 @ 12.00 – Home Depot	\$ 60	x
Wheel barrow	1 @ 90.00 – Home Depot	\$ 90	x
Garden Soil & Mulch	60 bags @ 5.00 – Home Depot	\$300	
Plants, Trees & Seeds	Sunshine Gardens/Andersons	\$970	
	Total	\$2000	



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IDENTIFYING INFORMATION

Jennifer Smith

Teacher's name

5

General Education (all subjects)

Grade

Subject

El Camino Creek Elementary

Encinitas

School name

District

7885 Paseo Aliso Carlsbad, CA 92009

School address, including street, city and zip

Jodi Greenberger

760-943-2051

Principal's name

School phone number

PTA

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

Hydroponics Garden

\$1,334.18

Project title

Grant amount requested

Teacher's signature

Please tell us how you heard about this program

Posture/Flyer Web site Another Educator Newsletter Other

October 24, 2018

Dear Mr. Brechbiel,

I am writing to request a grant to get three hydroponics systems up and running and producing food. I tried to get this going last year, but it was quickly clear that it was not as easy as I had hoped, and I need professional help. The hydroponics garden covers many standards in science and math. My goal is also for my students to get in touch with where their food comes from and to have a greater understanding on how important it is not to waste food and water.

There will be my 30 students actively involved, Barbara Larson from our community who is going to help us make this successful, and hopefully many staff members because we plan to offer the food to all of the teachers.

We will be using the three systems that our PTA purchased and growing lettuce to get us started, then later grow basil to make pesto, which will involve fractions. We may even try to sell the pesto packaged with some pasta, to raise money for future years' gardens. I'm hoping that if we are selected for the grant, the students will be able to write a proposal of what they think we should grow and why.

The location would be at three spots around our campus to also talk about why one might be growing better than another. The timeline will begin as soon as we have been notified if we have been selected.

The goals for my students are to gain an appreciation of where food comes from, getting more in touch with nature and how clean, healthy foods benefit the cells in their bodies, to learn how to grow food, and to learn many science and math standards through this real-life project.

Thank you for considering my request and please call or email if you have any questions.

ECC HYDROPONIC GROWING SUPPLIES

Item	Cost per unit	Quantity	Total	Link
Veg A and B nutrients	\$92	2	\$184	https://www.amazon.com/Heavy-16-VEG-Set-Gallon/dp/B00IAZZ8AE/ref=pd_cday0_hl_86_12?_encoding=UTF8&pd_rd_j=B00IAZZ8AE&pd_rd_r=2cb9c42e-d0c0-11e8-b42b-1db580407759&pd_rd_w=vGIZ&pd_rd_wg=U3NAk&pf_rd_j=desktop-dp-sims&pf_rd_m=ATVPDKIKX0DER&pf_rd_p=c34ea5a6ba4f-403e-9e98-07fb7b6cfe27&pf_rd_r=DBYKA410ASYBXCW044V&pf_rd_s=desktop-dp-sims&pf_rd_t=40701&psc=1&refRID=DBYKA410ASYBXCW044V
Ph up and down system cleaner	\$16	2	\$32	https://www.bwgs.com/Item/Details/12073
Conductivity and PH Monitor	\$43	1	\$43	https://www.bwgs.com/Item/Details/13489
grow plugs	\$200	1	\$200	
propagation tray no holes	\$23	2 bags	\$46	https://www.bwgs.com/Item/Details/8732
propagation tray with holes	\$1.50	1	1.5	https://www.bwgs.com/Item/Details/2528
Hydrocorn grow media	\$2.20	1	\$2.20	https://www.bwgs.com/Item/Details/14150
pelleted lettuce seeds	36	1	\$36.00	https://www.bwgs.com/Item/Details/10282
pelleted basil seeds	\$21.60	1	\$21.60	http://www.johnnyseeds.com/vegetables/lettuce/salanova-lettuce/salanova-green-butter-pelleted-lettuce-seed-3056JP.html#q=pelleted%2Bseeds&lang=en_US&start=1
SIMPLE GREEN	\$5.40	1	\$5.40	http://www.johnnyseeds.com/herbs/basil/genovese-basil/genovese-organic-pelleted-basil-seed-911GP.html#q=PELLETED%2BBASIL&lang=en_US&start=1
	\$12.48	1	\$12.48	https://www.amazon.com/Simple-Green-SMP11001-All-Purpose-Concentrate/dp/B01LT23KZO/ref=sr_1_5?ie=UTF8&qid=1539638761&sr=8-5&keywords=SIMPLE+GREEN

HOURS TO MAINTAIN (per crop about 10 weeks)	Total Hours per crop
system overview, plant seeds, transport to ME, bring back, train hydro kids	2
Edmodo or power school daily	1
System maintenance 1x per week	5
harvest and System clean	2
Total	10 hours

Probably can grow 3 to 4 crops per year
10 hours labor per crop
\$25 per hour
\$250 per crop



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IDENTIFYING INFORMATION

Carrie Lancon

Teacher's name Principal	
Grade Capri Elementary	Subject Encinitas Union School District
School name 941 Capri Rd. Encinitas, CA 92024	District
School address, including street, city and zip Carrie Lancon	760-944-4360
Principal's name PTA President-Jolene Aldredge	School phone number
Name of parent organization (i.e. PTA or school foundation) Capri Wave- Plastic Free Under the Sea	\$1500.00
Project title <i>Carrie Lancon - Principal</i>	Grant amount requested
Teacher's signature	

Please tell us how you heard about this program

Posture/Flyer Web site Another Educator Newsletter Other

Capri Creative Commons- Garden Classroom Component

At Capri School, we want to repurpose a tired, under-utilized garden space to create an outdoor garden classroom that will allow children to use their senses to wonder and question. We want our students to develop a sense of place and a curiosity about nature. The goal is to help children understand where their food comes from, to explore the relationship between health and the nutrition of fresh fruits and vegetables, to understand how we compost and repurpose recyclable items to avoid trash being dumped, scattered into gutters and ending up at our beaches.

We hope to begin by planting a variety of fruits and vegetables in our 16 existing beds. Through their own curiosity, and investigations lead by parent volunteers and classroom teachers, we want to help children see the "fruits" of their labor and take ownership for planting, nurturing, weeding, watering, harvesting and tasting their products. We want to have an H2O team that monitors water usage at Capri and plans for grey water collection to use to water potted plants and garden beds. The campus-wide "Bottle Cap Collection" drive, going on now, will take bottle caps and lids and we will have the students create an ocean mural completely made out of recycled bottle caps- see photo here:



All of this takes careful planning, resources, and a long-term vision to develop our beautiful resource into a sustainable *Garden to Table* program for our kinder-6th grade students. We plan to evaluate our progress with student and parent surveys that we send out electronically at the end of each quarter.

The Capri Garden Project will be run by Carrie Lancon, Capri Principal, along with a dedicated Parent Lead Volunteer, Mrs. Krista-Kendall Depp. Within our school, we have a committed PTA Board that will match funds that we generate from garden grants. We also have recruited more than 15 parent volunteers to assist with weekly garden lessons for grades K-3. The classes have already been divided into groups of six students and named the Broccoli, Lettuce, Carrot, and Bean Groups. The parent group has been affectionately named the "Mom

Squad". Our team of 4th-the bottle cap collection and our art teacher will spearhead the mural.

We at Capri are hopeful that our garden will move students to understand one of the most basic life systems- where food comes from and what we must do to maintain our natural resources. We are working hard to foster the natural curiosity that young children have while acknowledging that what matters to them-planting, growing and caring for the Earth is recognized, encouraged and supported.



CAPRI ELEMENTARY SCHOOL

941 Capri Road
Encinitas, CA 92024
(760) 944-4360 FAX (760) 944-4364
www.eusd.net

Proposed Draft Budget for Capri Garden Project:

1. 4x8 ft. plywood sheets= 10 sheets \$ 200
2. Tile adhesive= \$50
3. 10-gallon buckets= \$30
4. Miscellaneous screws, bolts and hinges for mobile mosaic- \$75.00
5. Paint-Behr outdoor in multiple colors for underneath bottle caps=
\$150.00
6. Safety goggles= \$50.00
7. Irrigation tubing for driplines: \$100.00
8. Child-sized watering cans=\$100.00
9. Organic Soil for raised beds= \$ 350.00
10. Variety of spades and shovels for garden use= \$100.00

Ballpark estimate from Home Depot or Lowes=\$1300-\$1500