


AGENDA

**COMMUNITY AFFAIRS COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT
Wednesday, March 29, 2017 – 8:30 A.M.
1960 La Costa Avenue, Carlsbad, CA 92009**

- 1. Call to Order**
- 2. Roll Call**
- 3. Public Comment**
- 4. New Business**
 - A. Review of Teacher Grant Applications. (Pages 2-7)
 - B. Update on Open House. (Verbal)
- 5. Information Items**
 - A. Spring 2017 Newsletter Feedback. (Verbal)
- 6. Directors' Comments**
- 7. General Manager's Comments**
- 8. Adjournment**

MEMORANDUM

DATE: March 23, 2017
TO: Community Affairs Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Review of Teacher Grant Applications

RECOMMENDATION:

Staff requests that the CAC recommend that Board of Directors:

1. Award two Teacher Grant totaling \$2,000; or
2. Discuss and provide direction, as appropriate.

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

During November 2016, staff provided the teacher grant information to nine elementary schools, one middle school, and one high school indicating that the submission deadline was March 2, 2017. The District received the following two applications by the deadline:

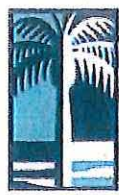
Received Teach Grant Applications:

Applicants	School	Amount Requested:	Project
Curtis Fillmore	La Costa Canyon High School	\$1,000	Functional Food Production Garden
Jennifer Smith	El Camino Creek	\$1,000	Rain Garden Educational Pathway

The applications have been attached for your review. The FY 17 budget includes \$5,000, which is intended to fund up to five \$1,000 teacher grant applications. Staff recommends that the CAC review the teacher grant applications and forward the qualified applications to the Board of Director's at the April 12, 2017 meeting for their approval.

jg:PJB

Attachments



LEUCADIA
WASTEWATER
DISTRICT

LEADERS IN
ENVIRONMENTAL
PROTECTION

Grant Application Form

During the 2016-2017 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 jgabelin@lwwd.org or received by Thursday, March 2, 2017.

IDENTIFYING INFORMATION

Curtis Fillmore
Teacher's name

9-12
Grade

Special Education
Subject

La Costa Canyon HS
School name

Union San Dieguito High School
District

1 Maverick Way, Carlsbad, CA 92009
School address, including street, city and zip


Bryan Marcus
Principal's name

760-436-6136
School phone number

La Costa Canyon High School Foundation
Name of parent organization (i.e. PTA or school foundation)

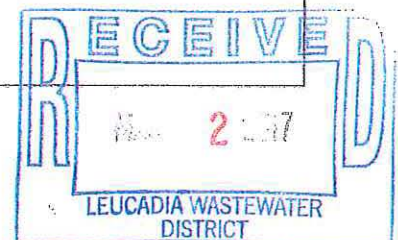
Functional Food Production Garden
Project title

1,000
Grant amount requested


Teacher's signature

Please tell us how you heard about this program

☐ Posture/Flyer ☐ Web site ☐ Another Educator ☐ Newsletter ☐ Other



Functional Food Production Garden

A. Description of Project:

La Costa Canyon High School- Functional Life Skills classroom is hoping to enrich the experience our students with special needs through education around food production, and food sourcing. The garden will be located in the backyard space of the Special Education classroom, which is adjacent to the culinary arts program. The two programs will join forces to aide in food production that will utilize local organic spices and various produce for food preparation in the culinary arts classes. The project will allow students to experience nature and build connections between local climate, the water cycle, food producing plants , and all the while mentoring students with special needs. We plan to incorporate lessons that focus on designing, planting, and maintaining gardens through the Science department and student run clubs on campus. These plans and hands on experiences require garden tools, soil & compost, produce seeds, water tools, and mulch. Funds are needed to make this garden project a success. The grant would be used to purchase necessary supplies. Our dream is to develop a safe, welcoming, and functional garden space for students with and without special needs can enjoy. This garden project will involve two classroom teachers, over 140 high school science and culinary art students, grades 9-12. The project will be ongoing, continues project that aims to begin in April 2017. Each general class will be responsible for one rotation of checking in on the garden per week and the special needs will also monitor the garden on a daily basis throughout the duration of the school year.

B. Learning Objectives

Students will investigate plant life cycles, flowering, seed production and understand the water cycle. Students will demonstrate the responsibility of caring for plants and watering cycles necessary to maintain healthy growth.

C. Budget

Item	Quantity/vendor	Amount	Non-Consumables
Wheelbarrow	2 @ 50.00- Home Depot	\$100	x
Hose reel	1 @ 50.00- Home Depot	\$50	x
50' hose & nozzle	2 @ 25.00 – Home Depot	\$50	x
Garden Soil & Compost	30 @ 5.00 – Home Depot	\$150	x
Watering cans	10 @ 5.00 – Home Depot	\$ 50	x
Plants, Trees & Seeds	Sunshine Gardens/Andersons	\$600	
	Total	\$1000	



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IDENTIFYING INFORMATION

Jennifer Smith
Teacher's name

5 Multiple Subjects
Grade Subject

El Camino Creek 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

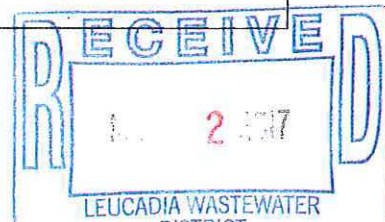
SWPPP, PTA (fund disbursement)
Name of parent organization (i.e. PTA or school foundation)

Rain Garden Educational Pathway \$1,000
Project title Grant amount requested

Jennifer Smith
Teacher's signature

Please tell us how you heard about this program

☐ Posture/Flyer ☐ Web site ☐ Another Educator ☐ Newsletter ☐ Other



A. DESCRIPTION OF PROJECT

1. Summary:

Our school club "hires" students to study stormwater pollution on their school campus and to develop and present structural and educational recommendations in accordance with industry standards. Our 5th and 6th grade interns meet one time per week for the entire school year learning about their local watershed, observing drains on campus, collecting and testing stormwater samples and designing best management solutions to mitigate observed problems. During rain events, the 2016-2017 students have noted a large amount of debris flowing from a hillside into a stormwater drain in their teacher's parking lot and they have devised a solution which, in part, requires funding.

- a. Phase I: Eagle Scout Pathway and Fencing Construction (Completed)
- b. Phase II: Implement BMP – Curb Cuts & Grading (LWWD Grant Proposal)
- c. Phase III: Landscape & Build Path Bridge (Funds and Volunteer Services secured)

2. Number of those involved:

Our Stormwater Club has 23 students who are involved in Phases I, II and III. Our Green Team has 30 students volunteering in Phase III along with other community members. Our 700+/- student body will benefit from the educational pathway as they learn first-hand about the benefits of bioswales, rain gardens and how to prevent ocean water pollution by utilizing natural resources. We will have specific curriculum for use by our Garden Science, Lab Science and for our Eco-Literacy Ambassadors (Green Team) to further explore the subject of stormwater.

3. Describe the Project:

The students have devised a plan to slow the flow of stormwater with curb cuts by redirecting the overflow to permeable areas to allow for natural filtration, thereby avoiding excessive run-off of stormwater that may be carrying pollutants out to the ocean. The proposed funds from this grant application will be used to professionally hire a contractor to provide the cement work in accordance with District standards and to assist in the removal of dirt for grading purposes to properly construct the bioswale.

4. In-kind Resources/Matching Funds:

- a. Eagle Scout funded Phase I
- b. PTA will fund Phase III

5. Location/Timeline:

- a. School Parking Lot/ Ideally prior to end of school year, June 2017

B. OBJECTIVES

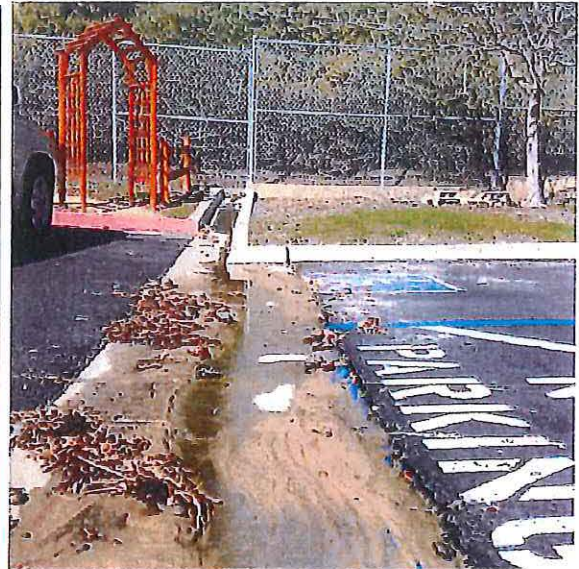
- a. Our goals for this project are two part: First, to physically implement a structural best management practice that our students have devised for the betterment of our school environment so they will experience first-hand the real-world positive impact of seeing a project through from its inception to completion. Second, our goal is for this project to be a springboard to educate students about the higher altitude issues stemming from epidemic ocean pollution on a global scale.

C. BUDGET

PHASE II IMPLEMENTATION OF CURB CUTS

Concrete Work via District Sub-Contractor	\$700
Grading and Dirt Removal for Bioswale	\$300
Total	\$1,000

Location Photos:



Proposed BMP: Curb Cuts East & West



Thank you and we appreciate your support of our environmental youth leaders!