

SOPHIE HAHN

Berkeley City Council, District 5
2180 Milvia Street, 5th Floor
Berkeley, CA 94704
Phone: (510) 981-7150
Email: shahn@cityofberkeley.info

CONSENT CALENDAR

May 30, 2017

To: Honorable Mayor and Members of the City Council
From: Councilmember Sophie Hahn

Subject: Budget Referral: Empowerment Works for NorCal Community Resilience
Project's Designing for Resilient Communities Initiative

RECOMMENDATION

That the Berkeley City Council refer to the FY 2018/2019 budget process \$11,000 to Empowerment Works for NorCal Community Resilience Project's Designing for Resilient Communities Initiative.

BACKGROUND

The Designing for Resilient Communities Initiative is a collaboration between Engineers for a Sustainable World (ESW) and the NorCal Community Resilience Network (NCCRN or "The Network"). The Initiative aims to leverage connections with community groups to co-create low-carbon solutions-based design projects. ESW will work with community groups to design appropriate solutions to the community groups' design challenges, such as rainwater catchment systems, composting toilets and pollinator plants. The Network will help to organize work parties, which will include lunch and kids' activities, where students, the collaborating organizations, and other members of the Berkeley community will come together to build and implement ESW's designs. These intergenerational work parties will also foster a sense of community and build relationships between students on campus and the Berkeley community at large, as people come together to work towards a shared goal. This project has already received \$5,000 from the UC Berkeley Community Partnership Fund Advisory Board, and includes partnership with Berkeley Youth Alternatives (BYA).

FINANCIAL IMPLICATIONS

\$11,000 from the General Fund if approved

ENVIRONMENTAL IMPLICATIONS

Consistent with environmental goals

ATTACHMENTS

1. Grant Acceptance email from UC Berkeley Community Partnership Fund Advisory Board
2. Proposal for Designing for Resilience Communities
3. Berkeley Youth Alternatives Info

CONTACT PERSON:

Councilmember Sophie Hahn 510 981 7150

----- Forwarded message -----

From: **Calpartnershipfund Departmental** <calpartnershipfund@berkeley.edu>
Date: Wed, May 10, 2017 at 4:26 PM
Subject: CCPF Application Status: Designing Resilient Communities
To: susan@norcalresilience.org, KELLY MAGGIE JIANG <keljia@berkeley.edu>
Cc: horvath@ce.berkeley.edu

Dear Susan and Kelly,

On behalf of Chancellor Dirks and the Advisory Board of the UC Berkeley Chancellor's Community Partnership Fund, I am pleased to inform you that your proposal, **Designing Resilient Communities** has been awarded a one-year grant in the amount of **\$5,000**.

We will send a follow-up email soon with more information about accepting the funds, signatures needed on our Terms and Conditions document, and any requests from the Board.

Thank you for your dedication to strengthening campus-community partnerships in Berkeley.

- Jen Loy on behalf of Ruben Lizardo

Ruben Lizardo
Chair, Chancellor's Community Partnership Fund Advisory Board
Director, Local Government and Community Relations
University of California, Berkeley

Government and Community Relations
Chancellor's Community Partnership Fund
chancellor.berkeley.edu/gcr/local-community/ccpf



CHANCELLOR'S COMMUNITY PARTNERSHIP FUND
UNIVERSITY OF CALIFORNIA, BERKELEY

2130 Center Street #200, Berkeley, CA 94720-4208
Tel.: 510/643-5299 Fax.: 510/643-0281 E-mail: calpartnershipfund@berkeley.edu

2017-2018 Grant Application Packet

APPLICATION DEADLINE: March 13, 2017 no later than 5:00pm
Incomplete applications will not be reviewed.

Checklist:

A complete application will consist of the following documents:

- Grant Application (this document)**
- 2017-2018 Budget Worksheet**
- Partnership Agreement Letters** from all community and UC partners confirming their participation in the project or program. These letters should include: 1) confirmation that the individual or organization listed has agreed to participate as a project partner; and, 2) a summary of their planned participation and role.
- Financial Documentation:**
 - a. **Please include the primary community partner's IRS 501(c)(3) designation letter.** If the lead organization is not registered as a non-profit and/or has not attained 501(c)(3) tax-exempt status by the application due date, then a fiscal sponsor must be designated. A letter from the fiscal sponsor confirming their willingness to act as the project's fiscal sponsor must be included in the grant application.
 - b. **Please also include ONE of the following:** the primary community partner's or fiscal sponsor's organizational budget, balance sheet, or Form 990 for the current and past fiscal year (or indicate via check box on page 3 that requested information is available on Guidestar.org).

Optional Materials:

- No more than three, one-page letters of support from community members and/or other stakeholders not listed as partners may be submitted.
- No more than three pages of illustrations, maps, plans, project timelines and/or other relevant materials may also be included in the application packet.

Submission Guidelines

All applications and supporting materials should be submitted electronically (as attachments) and emailed to calpartnershipfund@berkeley.edu. All materials must be **received no later than 5:00pm on March 13, 2017.**

Naming your application:

Please use the following naming guidelines:

- If sending one PDF containing all documents, it should be named: PartnershipName_CCPF_FullApp
- If sending individual documents, enumerate them to match the order of the checklist above: PartnershipName1_CCPFFullApp; PartnershipName2_CCPFBudget; PartnershipName3_CCPFLetterOrgName; etc.
- Feel free to abbreviate your Partnership Name.

2017-2018 Grant Application Form

Note: Click inside the boxes to input information. They will expand as you type. To use automatic checkboxes, double-click the checkbox and select “checked” in the default value list that will pop-up on your screen and click “OK.”

I. Project Information

Project/Program Title:	Designing for Resilient Communities
Applicant/Primary Community Partner:	NorCal Community Resilience Network
Primary University Partner:	Engineers for a Sustainable World
Total Project/Program Budget:	\$26,140
Amount Requested from Chancellor’s Community Partnership Fund:	\$16,485

Please indicate program or project type (check one):

- Community Service Program
 Neighborhood Improvement Project

Fund Theme applicable to your project (check one):

- Arts and Culture
 Community Safety
 Economic Development
 Education*
 Environmental Stewardship

**Note: Applicants for education grants must demonstrate how program activities align with and further the 2020 Vision for Berkeley’s Children and Youth.*

Project Summary: Provide a brief description of your project. This information will be used to produce informational materials about the Chancellor’s Community Partnership Fund. Limit summaries to **150 words or less**.

The Designing for Resilient Communities Initiative is a collaboration between Engineers for a Sustainable World and the NorCal Community Resilience Network (NCCRN or “The Network”). The Initiative aims to leverage connections with community groups to co-create low-carbon solutions-based design projects. ESW will work with community groups to design appropriate solutions to the community groups’ design challenges, such as rainwater catchment systems, composting toilets and pollinator plants. The Network will help to organize work parties, which will include lunch and kids’ activities, where students, the collaborating organizations, and other members of the Berkeley community will come together to build and implement ESW’s designs. These intergenerational work parties will also foster a sense of community and build relationships between students on campus and the Berkeley community at large, as people come together to work towards a shared goal.

II. Partner Information**Applicant/Primary Community Partner Information**

The **primary community partner** will be responsible for implementing the proposed project and fulfilling the terms of the grant.

Name of Community Organization	NorCal Community Resilience Network
Date Founded	June 2013
Tax ID #	31-1796801
Mailing Address	1211 Cornell Ave, Berkeley, CA 94706
Telephone Number	415-806-8955
Website URL	www.norcalresilience.org
Contact Person's Name and Title	Susan Silber, Executive Director
Contact Person's E-Mail Address	susan@norcalresilience.org
Contact Person's Telephone Number	415-806-8955

Primary University Partner Information

Please provide the following information for the primary University partner.

Name of Organization, Department, or Staff Unit at UC Berkeley	Engineers for a Sustainable World
Mailing Address	2230 Haste St., #302, Berkeley, CA 94704
Telephone Number	425-658-9497
Fax Number	
Website URL	https://callink.berkeley.edu/organization/esw
Contact Person's Name and Title	Kelly Jiang
Contact Person's E-Mail Address	keljia@berkeley.edu
Contact Person's Telephone Number	425-658-9497

If the **primary University partner** is a student or student group, please include the name and contact information for the **Faculty/Staff Advisor** below.

Faculty/Staff Advisor	Arpad Horvath
Title, Department/Unit	Professor in the Engineering and Project Management Program and in the Energy, Civil Infrastructure and Climate Program in the Department of Civil and Environmental Engineering
E-Mail Address	Horvath@ce.berkeley.edu
Telephone Number	510-642-7300

Additional Partner Information

Please provide the following information for all active community and university partners. You may copy and paste additional tables onto another page if necessary. Student and student

group partners should also provide contact information for their respective faculty and/or staff advisors.

Identification and collaboration with potential partners should take place early in the application process. UC Berkeley's Office of Local Government and Community Relations can provide assistance connecting interested applicants with potential partners. Strong, meaningful partnerships are a key element of funded projects.

Name of Organization, Department, or Staff Unit	Berkeley Youth Alternatives
Mailing Address	1255 Allston Way, Berkeley, CA 94706
Telephone Number	510-845-9010
Fax Number	
Website URL	http://www.byaonline.org/
Contact Person's Name and Title	Rachel Munzig
Contact Person's E-Mail Address	rmunzig@bayonline.org
Contact Person's Telephone Number	805-794-6130

Name of Organization, Department, or Staff Unit	Gill Tract Community Farm
Mailing Address	San Pablo Ave, Albany, CA 94706
Telephone Number	(510) 292-3418
Fax Number	
Website URL	http://ucgilltractfarm.wixsite.com/gilltract
Contact Person's Name and Title	Jon Hoffman
Contact Person's E-Mail Address	Jon2223@yahoo.com
Contact Person's Telephone Number	

Name of Organization, Department, or Staff Unit	Ashby Garden
Mailing Address	1927 Oregon Street, Berkeley, CA 94703
Telephone Number	510-332-9456
Fax Number	
Website URL	http://ashbycommunitygarden.webs.com/
Contact Person's Name and Title	Bonnie Borucki,
Contact Person's E-Mail Address	Bcb@bborucki.com
Contact Person's Telephone Number	510-332-9456

III. Project Description

Each applicant is required to submit a project description that includes the following three components: A) an issue statement; B) a project implementation plan, and C) a partnership summary. Project descriptions that fail to include all three components will not be considered for funding.

The total word count for the three-part Project Description should not exceed 1500 words. Below each text box we have provided an area for you to keep track of your word count. Please combine sections A+B+C and provide a total word count at the end of the Project Description section.

A. The Issue Statement and Berkeley Beneficiaries*

- Briefly explain the significant problem or need that your project or program addresses and describe how your project will benefit your target population in Berkeley.
- Based on your issue/need statement, describe your target population and the geographic area that your project will serve. Specify the demographics of this community, including race/ethnicity, age and socio-economic status. Include how many Berkeley residents you plan to serve.

*Please note: If your program also serves non-Berkeley residents, you must clarify how Partnership Fund support will be solely dedicated to *Berkeley residents*.

The Designing for Resilient Communities Initiative (DRCI) addresses several urgent and timely needs in Berkeley and beyond:

- The new presidential administration and its disdain for environmental policies at the federal levels adds a new sense of urgency to supporting community-based solutions to build localized, self-sufficient homes and communities.
- Despite record rainfall this season, the drought is still not over. Our collaboration will help to organize work parties to build decentralized water systems like rain water catchment and composting toilets that will make Berkeley more resilient during the next drought.
- Many UC Berkeley students are food insecure – 26 percent of undergraduates across UC campuses report at least somewhat often skipping meals to save money; furthermore, an estimated one in four children in California is food insecure. This collaboration will help augment the existing efforts of community gardens, such as Ashby Garden, the Gill Tract, and others, who are working to provide at-risk and underserved communities with fresh produce and healthier food options.
- Carbon sequestration in soil also has the potential to have a huge impact on climate change, but carbon farming and permaculture soil solutions are often overshadowed by renewable energy as a climate change solution. Given the City of Berkeley's new urban farming initiative and enthusiasm for urban agriculture, we are excited to help to showcase organizations and businesses promoting carbon farming and no-till farming, including the urban gardens mentioned earlier which are also working to improve food security in the broader Berkeley community.

Furthermore, in the face of the new federal administration, it is more important than ever to build strong social ties between community members. This collaboration will help to organize work parties, which will build community by bringing together students, community members, and neighbors to work on community gardens, helping to build a more resilient future for us all.

The projects worked on through this initiative will serve as a model for sustainable and resilient living and are meant to be replicated. The projects and work parties will be open to the general public, so that anyone is interested in learning about urban agriculture and innovative ways to get involved in our community can get involved. Grassroots projects, such as the Ashby Garden in South Berkeley, are often volunteer-run and chronically underfunded, and would greatly benefit from the support they would receive from this initiative.

This project aims to benefit UC Berkeley students as well as general Berkeley citizens. UC Berkeley students involved in the design and building process for these projects will gain design and engineering skills. Students don't often have the opportunity to participate in service opportunities in communities, other than through the Berkeley Project, and students especially don't have opportunities to engage deeply in sustained community engagement projects. This initiative will allow students to collaborate closely with a community-based organization over an extended period of time, building students' community organizing skills.

This initiative will also benefit underserved Berkeley youth through a partnership with Berkeley Youth Alternatives, allowing the youth to participate in community-building projects. The community members served by this initiative come from a diverse set of socioeconomic and ethnic backgrounds, and the neighborhoods served include South Berkeley, through Ashby Garden, as well as North Berkeley through the Gill Tract. There will be 6 work parties, each serving roughly 25 residents, for a total of 150 residents served. The projects will help augment the work of local urban gardens, which will then serve thousands.

Issue Statement word count: 592

B. The Project Implementation Plan

The Fund strongly encourages well-organized, results-oriented projects and programs. Please explain the following:

- How you plan to implement your project and describe the outcomes you expect to accomplish.
- How you deliver the desired community outcomes.
- The program strategies you will employ and why.
- If your project or program partners with UC students, please describe intended learning outcomes they will achieve through their participation.
- Include a timeline and key milestones as appropriate.
- When possible, include the measurements you will use to evaluate whether the project or program has been successful in achieving its objective(s).

Over the summer, a student intern will be hired to set up the collaboration with community groups, and work with the community groups to identify design challenges. Throughout the school year, Engineers for a Sustainable World (ESW) will work with community groups to design appropriate solutions to the community groups' design challenges, such as building

rainwater catchment systems, composting toilets and aquaponics systems. Then, the NorCal Network will co-organize work parties with the partnership organizations, which will include a lunch and kids' activities, where students and other members of the Berkeley community will come together to build and implement ESW's designs. We expect to work on 3 design projects throughout the school year.

The desired community outcomes are increased collaboration and connection between community organizations and UC Berkeley students, as well as the design projects that will be built during the work parties to increase resilience, whether it be through rainwater catchment or food security. UC Berkeley students will work on designing the projects, gaining technical engineering skills during the process. Then, they will collaborate with community groups and community members to build the projects, thus enriching collaboration between the UC campus and off-campus community groups.

The main strategies of this initiative are real-world design challenges and work parties. Having a real-world design challenge makes learning come alive and provides students with hands-on learning experiences that simply cannot be replicated in the classroom, while also allowing students to create a meaningful product. The work parties are a fun opportunity for students and Berkeley residents to get out in the community and work together while building a sense of community.

Through ESW, UC Berkeley students will gain technical engineering and design skills while working on real-world solutions for community organizations, thus also increasing their connection to the local community. Furthermore, students will learn about the intersection between social and environmental issues and how community organizing and community-oriented projects can work to solve both social and environmental issues at the same time. Students will gain an understanding of community resilience and local community organizations.

The timeline is as follows:

June-August

- Network works with student intern over the summertime; meet with community partners and co-create project materials

Fall semester

- Plan and implement fall work parties. Students meet community organizations, get a sense for their needs,
- Students begin working on the design projects

January-February

- Students continue to meet with the community organizations and work on designs.
- Network and community partners co-organize work parties

March / April

- Students finish designs
- Designs are implemented and built through three work parties

The measurements used to evaluate the success of the project will be (1) the successful implementation of a design to solve the community organizations' challenges, (2) the number of students and members of the general public engaged in work parties, and (3) a survey conducted at the end of the fall and spring to evaluate the work party with participants.

Project Implementation plan word count: 487

C. The Partnership Summary

One of the main goals of the Fund is to establish and strengthen collaborative partnerships between the university and community. Use the following prompts to answer the question: What is each partner's role?

- Identify your project or program's partners and describe the extent of coordination and collaboration amongst the partners.
- What is the capacity of each partner to successfully implement this plan? You can list the partners responsible for implementing the plan and describe the staff/student/etc.'s experience.
- If your project or program partners with Berkeley students or UC Berkeley students, please describe intended learning outcomes they will achieve through their participation.
- How will this partnership between the Community Partner(s) and the University Partner(s) be sustained after the year-long grant? And what other benefits can be derived from the partnership?

The main university partner is Engineers for a Sustainable World (ESW), and the main community partner is NorCal Community Resilience Network (NCCRN). Other community partners include Ashby Garden, the Gill Tract Community Farm and Berkeley Youth Alternatives. NCCRN is responsible for facilitating these collaborations, planning the work parties, and ensuring community involvement with the projects. Engineers for a Sustainable World will be designing the projects, and will be having its project members attend the work parties.

NCCRN's mission is to support community-based, permaculture-inspired solutions to climate change; and a central tenet of this is organizing work parties to bring the community together (they have organized work parties with both the Gill Tract and Ashby Garden in the past year). They have a growing network of 30+ community organizations in Northern California (including the three listed in this project). Its staff is well-equipped institutionally to carry out this project.

ESW at UC Berkeley was founded in 2014 and has worked on a wide variety of sustainability-related engineering projects, ranging from algae biofuels to rainwater catchment to solar charging stations. They have over 60 active members on 10 project teams who are actively working on engineering projects, and are growing quickly. Thus, working on community projects is definitely within the means of ESW, and would serve to better integrate the undergraduate

student community into the Berkeley community as a whole.

Through this collaboration, UC Berkeley students will gain on hands-on engineering and design skills, as well as a better understanding of community organizing, community resilience, and challenges that small-scale community organizations face. Students will learn how to apply engineering and community organizing skills in a real-life situation and how those can be used to solve social and environmental issues at the same time.

ESW and NCCRN have already been working together this spring – ESW members attended a work party organized by NCCRN at the PLACE for Sustainable Living in February, and NCCRN staff gave two lectures about permaculture and community resilience at a DeCal class about engineering for sustainable communities organized by ESW this semester. Thus, this collaboration is likely to continue after the year-long grant ends, and ESW and NCCRN will be looking to other funding sources to continue the collaboration and build more design projects for other community organizations as well. Other benefits to this project, other than increasing collaboration and the water savings and environmental benefits from the projects, include serving as a model for other ESW partnerships with community organizations.

Partnership summary word count: 421

Total Word Count for Project Description (sections A, B and C above). This is not to exceed 1500 words in total length. Longer submissions will not be read in full by the Board:

Total Project Description (A,B,C) word count: 1500

IV. Budget Narrative

Please expand on the budget line items from the 2017-2018 Budget Worksheet. Please remember that the person(s) reviewing your budget may not be familiar with your project or program. Use this narrative as an opportunity to justify and explain the costs outlined in your budget worksheet. Expenses might include as personnel, supplies and materials, fiscal sponsorship fee if applicable, etc.

Please limit your budget narrative to 500 words.

The budget for the Designing for Resilient Communities Initiative consists of the following:

Personnel:

- Project management for Primary community partner (NorCal Community Resilience Network): \$6,000

The NorCal Network will serve as the primary project manager, coordinating the work parties, project partners and intern.

- Project management for each community partner (Ashby Garden, Gill Tract, Berkeley Youth Alternatives): \$3,000

The community projects will each co-coordinate their work parties and support the students with their design projects.

- Student Intern: \$2500
The UC Berkeley student intern will support the coordination of the project in collaboration with the NorCal Network – from coordinating work parties to supporting the ESW design teams and their projects.

Materials and Supplies:

- Materials for each project: \$1,000 x 3 = \$3,000
Each project team will have a \$1,000 budget for their project. The NorCal Network will support extra fundraising for each project, if needed.
- Lunch for each work party: \$200 x 6 = \$1200
There will be a \$200 lunch budget for each work party. The NorCal Network will supplement the funding, to pay for non-Berkeley residents.

Total narrative budget word count (limit to 500 words):176

Tax Exempt Status of the Primary Community Partner (or Applicant)

Funds will be distributed **only** to tax exempt organizations qualifying under Internal Revenue Code section 501(c)(3). An applicant that is not a 501(c)(3) organization must designate one to serve as fiscal sponsor. The IRS determination letter issued to the applicant or fiscal sponsor **and** a letter from the fiscal sponsor confirming its willingness to serve in that role (as appropriate) must be attached to the application. Please indicate whether:

- The primary community partner/applicant is a 501(c)(3) organization.
- xx The primary community partner/applicant is not a 501(c)(3) organization and will provide fiscal sponsor information.

Fiscal Sponsor Information (if applicable)

Name of Fiscal Sponsor	Empowerment Works
Tax ID #	31-1796801
Mailing Address	1793 Northwood Ct. Oakland, CA 94611
Telephone Number	310-392-6909
Fax Number	
Website URL	www.empowermentworks.org
Contact Person's Name and Title	Melanie St. James
Contact Person's E-Mail Address	Melanie@empowermentworks.org
Contact Person's Telephone Number	310-392-6909

Financial Documentation

Please indicate which *ONE* of the following forms you are submitting for the current and past fiscal year for the applicant or fiscal agent.

Submitting for:

xx Applicant/Primary Community Partner Fiscal Sponsor

Select one of the following:

xx Organizational budget

Balance Sheet

Form 990

Information available at Guidestar.org

Signature

Please input your name, title and date in the following section.

By submitting this application and the supporting application materials, you are agreeing that: you are an authorized representative of the organization(s) identified on the Grant Application Form and that the information you have included in this document and other supporting application materials is to the best of your knowledge true and accurate.

Name: Susan Silber

Title: Executive Director

Organization: NorCal Community Resilience Network

Date: March 13, 2017

Last Revised 2/3/17



Berkeley Youth Alternatives
1255 Allston Way
Berkeley, California 94706

Dear Chancellor's Community Partnership Fund:

I am pleased to submit this Partnership Agreement between the Berkeley Youth Alternatives and the Designing for Resilience project.

About Us: We are a community based organization whose is to provide a secure and nurturing environment for all the children, youth, and families of our community. We desire to promote, to their fullest potential, the freedom to develop individual skills and visions of the world. Our mission is to help children, youth, and their families address issues and problems via Prevention by reaching youth before their problems become crises, and via Intervention through the provision of support services to youth entangled in the juvenile justice system. BYA helps to build capacity within individuals to reach their innate potential.

Berkeley Youth Alternatives has agreed to participate in the Designing for Resilience Project. Our participation will consist of:

FALL WORK PARTY: We will support the planning and implementation of a fall work party, in collaboration with the NorCal Community Resilience Network and Engineers for a Sustainable World. We will invite the general public to participate, with activities including fall plantings, a discussion and a healthy lunch. We will also host a special introduction/discussion from UC Berkeley students about the work that they will be doing with us, during lunch.

SUPPORT FOR ESW DESIGN PROJECT: During the work party and afterwards we will be communicating with the students on the Gill Tract Community Farm design team about their project. They will start to design and implement a project based on our needs in the fall. Our current needs include a composting toilet, chicken coop and outdoor shade structure.

SPRING WORK PARTY: During the spring we will support the planning and implementation of a spring work party, at which time we will work with the students to implement their design they have been working on since the fall.

We understand that we will be received funds to both support the work parties (\$1,000) and for the project (roughly \$1200).

Berkeley Youth Alternatives is very excited to be participating in this project. It is very aligned with our commitment to maintain the 1/2 acre Bancroft Community Garden and the 1/6 acre BYA Community Orchard. The Bancroft garden is also the home of a community garden with plots available to Berkeley residents, so it would be great to introduce this garden to other residents during the work parties. Youth learn sustainable agriculture practices, produce handling and distribution, and nutrition education.

Sincerely,