

EcoCharger
Designed by Tan Run En



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Project Name: EcoCharger

Total Amount Requested: 550 for 2 chargers

(BOM List [here](#), Budget Request Form [here](#))

Topic: Energy & Water Efficiency

Project Team Information:

Staff Advisor

Name: Valerie Greene

Email: greenevalerie@fhda.edu

Project Team Lead

Name: Tan Run En

Email: tanrunen@gmail.com

Phone No: 669-246-1748

Project Team

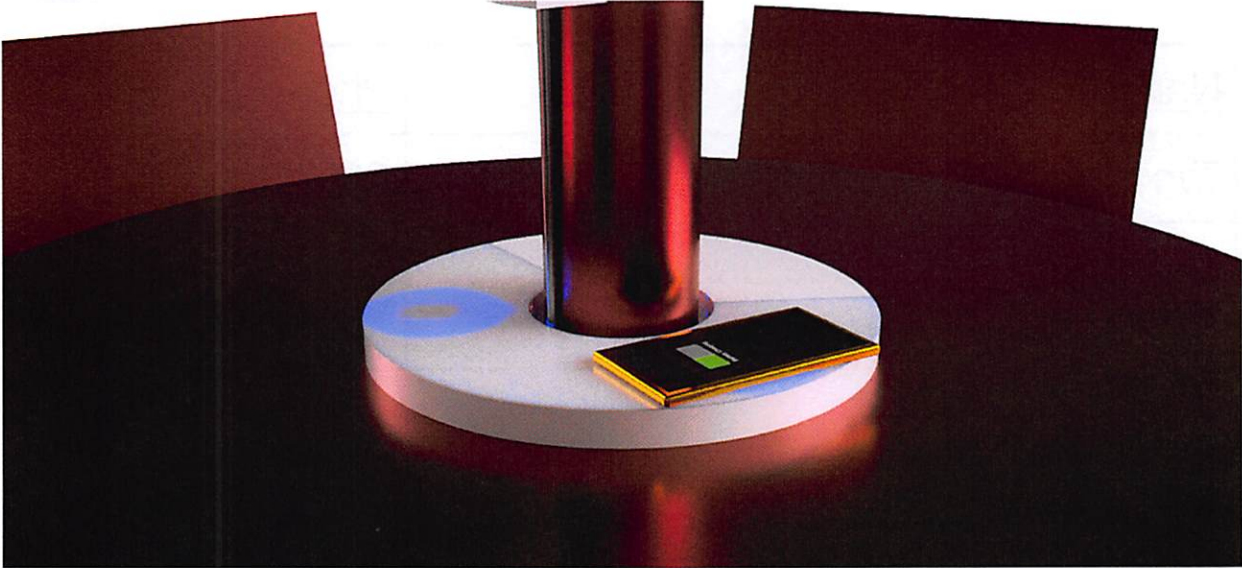
<u>Name</u>	<u>Email</u>	<u>Phone No</u>
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Project Specification



Project Description

Please provide a brief description of the project, the goals, and the desired outcome.
EcoCharger is a retrofittable device that attaches to the existing minimal gazebo in De Anza College campus. The solar charger will power several wireless chargers on the table which will allow students to charge their phone.



Please explain how will the project improve the sustainability of the De Anza College Campus. There is no need to run wires along the ground to power the chargers. It is completely off the grid which would be helpful in cases of several power outages that happened in De Anza recently.

Where will the project be located? Will special permission be required to enact the project on this site? If so, please explain and attach any written approval by appropriate campus officials at the end of the application. ***(If project requires installing any additional items to any part of the current facilities at De Anza please complete the Campus Facilities Recommendation section at the end of the application)***

The project can be installed in all gazebo across the campus. The one at the planetarium would be the best candidate as the sunlight there is not obstructed by anything. Other good candidates include the ones next to the cafeteria. Indeed this project requires installation of additional items to part of the current facilities in De Anza.



Other than the project team, who will be involved in the project? Please list other individuals, groups, or departments affiliated directly or indirectly by the project. Please attach letters of commitment or support at the end of the application. (For example, if your project team is working with a club or class, please include their role in your project)

One other organization that will be indirectly involved in this planned project would be KCI Makerspace at Foothill College. They are well equipped with 3D Printers, Laser Cutters, CNC and other tools which I've constantly used for personal projects. If this project has been given a green light, I will be using the equipment there for several sections of the project.

Please indicate how this project will involve, impact or empower De Anza College students. What role will students play in the project?

This isn't something that exists in most other colleges. The project shows the world and the media what makes De Anza College special: A college that encourages their students to be creative with their educational skills. High School students and outsiders who about this will boost enrollment De Anza College as they now see it as a well-rounded community that not only cares about grades but also values hands-on projects and activities.

Another thing is that it helps alleviate congestion in libraries and cafeteria by incentivizing students to study, eat, make friends and chill outside! It serves as an additional alternative space for students who want to settle and hang out in college while waiting for their class or activity to begin.

Have you applied for Eco Fund before? If so, for what project?

This is my first time applying for EcoFund.

TO BE COMPLETED BY STAFF ADVISOR:

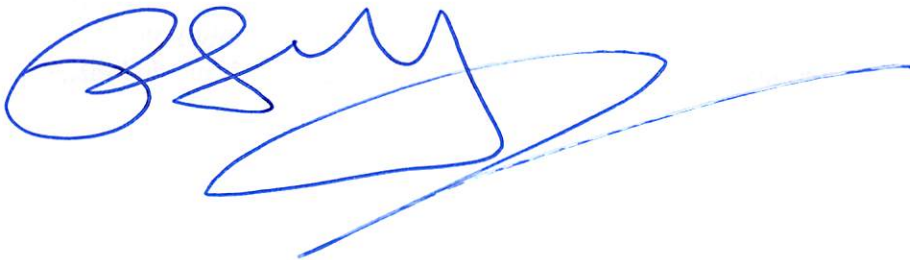
DASB believes that successful projects are created with the collaboration between students and mentors. As the advisor of this project, you are agreeing to mentor and guide this project. Please submit a written statement (1 page) describing your support of this project, and how you intend to support the project team.

My support for this project will be to act as a liaison between Tan Run En, Campus Facilities, and DASB. His original project has been submitted, approved, and funded by EcoFund and Facilities so my input will be more of an “as needed” role. He was my student this past summer in Intro to Environmental Science where we learned a lot about sustainability. This project is a significant contribution to the De Anza community and long-term sustainability of the campus. It promotes equity in our study body as students will be able to charge their devices in a location that is easy to find and meet at. I will work with him to navigate any further funding or equipment requests from DASB and how to implement long term maintenance if needed (after he transfers).

Valerie Greene, Professor of Environmental Science.

CAMPUS FACILITIES RECOMMENDATION

This space is for the Campus Facilities Director to voice concerns regarding the project and suggest changes in order for the project to continue.

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke extending to the right.

FINAL NOTE TO APPLICANTS: Thank you for applying to the EcoFund! We look forward to reading your project proposal. If you have any questions or run into any problems-- feel free to contact us at escommittee.dasb@gmail.com or come to our ES Committee Meetings Friday 3:30 - 5:30pm in the Senate Office, located in the Lower Level of the Campus Center