

Grant Proposal Name: **Rain Harvesting**

Stage / Phase	Description
<i>Milestone 1: Grant Proposal</i>	
Semester & Year Idea Paper Submitted	Spring 2025
Idea Paper Author(s), Major(s), expected graduation year & Semester	Denisse Hernandez-Garcia, Forestry Major, Spring 2025
Date Idea Paper Voted on By Committee <i>(Date aligns to Committee Mtg Minutes)</i>	
Approved for Development (Yes / No)	

Email Address of submitter:

dmh704@humboldt.edu

Campus Role and Major/Department:

Student, Forestry Major, Spring 2025

Sponsoring Department:

n/a

Brief Summary:

The Eco Rain Initiative Project aims to install a sustainable rainwater collection system on campus to conserve water and reduce reliance on municipal sources. The project will utilize rooftop collection points, secure storage tanks, and an innovative biochar filtration system to ensure water quality for landscape irrigation and cleaning purposes. With an estimated total cost of \$10,000, the project is designed to reduce campus water consumption by 20% over two years, aligning directly with university sustainability goals. By incorporating biochar filtration — an eco-friendly, natural purification method — this project introduces a novel solution that combines research with practical application. Additionally, the project will provide valuable educational opportunities for students through hands-on involvement in system design, installation, and maintenance, ensuring long-term engagement and environmental awareness on campus.

How did you hear about SHIFT Grants?:

class presentation

Proposed Budget:

\$10,000  SHIFT budget template_spring 2025 - Denisse Hernandez-Garcia

Complete Grant Proposal:

 Eco Rain Initiative - Denisse Hernandez-Garcia

Extra Information:

This proposal is part of the Water Resources Club, future members along with our club advisor will help oversee this project

STAFF FEEDBACK: