



## Clean Energy Grant Application

# EVERGREEN

THE EVERGREEN STATE COLLEGE

Please read the grant application guidelines prior to submitting your proposal. We will not consider incomplete applications. Completed applications should be e-mailed to the coordinator at [cleanenergy@evergreen.edu](mailto:cleanenergy@evergreen.edu) before the deadline. For questions regarding the application process, contact the coordinator.

<b>Project Title</b>	Indoor Compost	
<b>Project Lead</b>	Name:	Patrick Suther/Irene Hinkle
	E-mail:	
	Phone number:	
<b>Student, Staff, Faculty, or Student Group:</b> <i>(staff and faculty please name department)</i>	Office of Sustainability	
<i>Students only</i>	Class standing:	Senior
	Faculty or Staff sponsor:	Irene Hinkle/ Scott Morgan
<b>Campus Location</b>	Facilities/ Office of Sustainability	
<b>Date</b>	3/12/12	

<b>Abstract</b>	There have been numerous studies of the campus waste practices. A common thread with these studies is a higher need for composting and accessibility.
	The purpose of this project is to create indoor composting throughout the campus so that it is accessible to all students, staff, and faculty. The current need for the project is to put together three vermicompost systems. Vermicompost is the process using worms to break down food waste and bedding material. The end product of this process is a highly nutrient substance called vermicast.

### CEC Vote: (for office use only)

<b>Proposed Motion</b>	
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<b>Moved:</b>		<b>Second:</b>		
<b>Yes:</b>	<b>No:</b>	<b>Abstain:</b>	<b>Absent:</b>	<b>Recusal:</b>

Please respond to the following sections below. We ask that you present your proposal to the Clean Energy Committee to answer further questions about your project. If your project is funded we require you to publicize your work, and provide the committee with documentation, and a final report.

- If you require more space, please submit any additional documentation with your application.

**Areas affected by proposed project:** The committee reserves the right to have grant proposal reviewed by an authorized representative from affected areas prior to full review. Please refer to the grant guidelines to see if your project requires authorizations. Contact [cleanenergy@evergreen.edu](mailto:cleanenergy@evergreen.edu) if you have any questions. Be sure to give yourself enough time to communicate with staff and faculty before the deadline. When you receive authorization, type the name of the representative below. Authorization will be verified.

Affected Area		Approval Required	Approval Received
Faculty / Staff Sponsor		Always	<input type="checkbox"/>
Director of Facilities		<input type="checkbox"/>	<input type="checkbox"/>
Environmental Health & Safety Officer		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Campus Land Use Committee		<input type="checkbox"/>	<input type="checkbox"/>
Academic Budget Dean		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Student Activities Advisor		<input type="checkbox"/>	<input type="checkbox"/>
Science Operations Manager / Organic Farm Manager		<input type="checkbox"/>	<input type="checkbox"/>
Residential and Dining Services		<input type="checkbox"/>	<input type="checkbox"/>

**Timeline**

- Provide an estimated timeline listing the length of time from start to finish and detailing the length of time that each component will take.

<b>1. Design</b>	N/A	<b>4. Research / Construction</b>	1 week after procurement
<b>2. Approval</b>	N/A	<b>5. Present / Report</b>	2 weeks after construction
<b>3. Procurement</b>	2 weeks after funding	<b>6. Follow-up</b>	6 weeks- follow up on rese

**Detailed Project Description**

Please include:

- Project goals
- Definition of sustainability and the relationship of the project to this definition
- Longevity and/or permanence of the project results on campus
- Location, including any concerns that may arise from the chosen site
- Previous experience directing projects of this nature
- If applicable, comparisons to similar projects at other campuses

<b>Description</b>	<p>The goal of this project is to pilot a functional indoor composting system for students, staff, and faculty to utilize and construct a demo vermicompost 3-stage bin for peer-ed progression. This pilot system set-up will be mainly for educational purposes. The reason for this is to dispel common misconceptions about indoor composting that relate to smell and sanitation. In addition to the demonstration 3-stage bin we will also construct two permanent compost worm bins that will be fully functional after installation.</p> <p>"The definition of sustainability means to use methods, systems, and materials that won't deplete resources or harm natural cycles." (Rosenbaum 1993)</p> <p>In this proposal we limit the amount of compostable material exported from the campus while at the same time utilize that material to generate new vermicompost to enrich the campus biome and potentially to grow products at local farms and gardens.</p> <p>The people behind this project have 15 years of experience in creating and implementing indoor composting systems.</p>
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**Campus Connections (Please select all that apply):**

	Research	Implementation	Education
Renewable Energy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Resource Conservation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sustainability Strategies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Impact on Campus Sustainability Goals:**

**Energy, Environmental, Social and Economic Impact**

- How does your project align with the Climate Action Plan or the goal of zero waste and carbon neutrality by 2020?
- How is your project consistent with the mission of the Clean Energy Committee?

<b>Impact on Campus Sustainability</b>	<p>The proposed project aligns with the Climate Action Plan on a couple levels. First, the project will limit the amount of material that ends up in the landfill generated from food waste.</p> <p>Another level is that amount of carbon used during the transportation of the food waste to the compost facility. Lastly, the education portion of this project will help the general public gain a richer understanding of the compost and waste process that occurs at The Evergreen State College.</p>
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**Outreach and Education:**

The Clean Energy Committee strives to fund projects that will be highly visible and have a positive impact in the lives of the Evergreen students responsible for the clean energy initiative. Approved proposals will be required to publicize their project in press releases and/or presentations, including mention of sponsorship by the Clean Energy Committee. It is also expected that you will present your work at the Synergy Conference, the Science Carnival, or another public presentation approved by the committee. With that focus, please address the following:

- visibility of the project to students and the greater evergreen community
- role that students will play in the project
- opportunities for involvement in classroom curriculum
- media outreach opportunities
- any additional information on methods the project will use to educate and engage students and the public about clean energy technologies and resource conservation.

<b>Outreach and Education</b>	<p>This project is based around the idea of educating the campus population about indoor composting abilities. The initial set up will be transportable for demonstration purposes so as to maximize the amount of people that can learn about this process. The plan is for the first set up to also include plexiglass or clear plastic so people can visibly see the worms working. Because the set up can be transported easily there is great potential for curricular enhancement and student involvement with the purpose to launch a peer educated system.</p>
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**Budget and Fundraising**

Please include:

- A detailed budget for the full project costs, including initial costs and life-cycle operation and maintenance costs.
- Detail both the specific budget items and the total funding amount being requested, and include support documentation.
- If the Clean Energy Committee does not fund the full requested amount, will the project be able to move forward?
- List any grants or other sources of funding that have been obtained or applied for. If these funds are limited to a certain component of the project, please specify
- NOTE: Preference will be given to those projects that seek additional funding from other sources. This priority is given to encourage cost sharing and to allow the funds available to support a greater number of sustainability projects on campus.

<b>Budget</b>	<p>The vermifarm is a product that has multiple tray levels for the worms to work on material and is great for people to see the process occur throughout the weeks.</p> <p>Flat plastic tubs are for setting up educational demonstrations that can be seen from multiple sides.</p> <p>The trays, wooden probes, safety goggles, latex gloves and magnifying glasses are for showing small groups of people the worms and material in great detail and to understand vermicompost as an integrated life cycle system.</p> <p>The book "Worms Eat My Garbage" has added teaching material that can be used by the presenter made available for check out in the library</p> <p>The cost of maintenance can include bedding for the worms, cleaning material for the worm container if it needs to be emptied, and a persons time for monitoring the bin.</p> <p>The funds for this request is phase one of the larger campus wide plan described on page one of application</p>
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**Cost Summary Including Tax**

Goods and Services	
Equipment	\$365.00
Labor and Maintenance	
<b>TOTAL PROJECT COST ESTIMATE</b>	<b>\$365.00</b>