



PRESIDENT'S STUDENT SUSTAINABILITY AWARDS SUBMISSION FORM

Instructions: Download, edit, and save this document to complete the form. The form must be fully completed to qualify. Attach the completed form to your submission email (to **jburlton6@mtsac.edu**). Be sure to also attach your 250-word essay and the work itself as a digital file (pdf, docx, images, video, etc as long as they are not too large)—web links to the work are acceptable in the email as well.

NOTE: Individuals and Groups may submit to multiple categories but each submission requires a separate email including a submission form, 250-word essay, and the submission work as an attachment or links.

Category of Submission (choose one):

Innovative Idea

What semester in 2016 did you complete this work (choose one):

Fall

Did you complete this for a class? If yes, please list the course name and instructor:

No

Submission Contact Information:

Are you submitting as an **Individual** or as a **Group/Club**? Club – E.A.G.L.E.

Environmental Action Group for a Livable Earth

- If you are submitting as an **Individual**, fill out the following information:

Name: _____

Student ID: _____

Mt. SAC Email: _____

Phone Number: _____

- If you are submitting as a **Group/Club**, fill out the following information:

Name of contact student: Rene Jimenez

Student ID of contact student: A02778035

Mt. SAC Email of contact student: rjim11@gmail.com

Phone number of contact student: 714-365-1097



PRESIDENT'S STUDENT SUSTAINABILITY AWARDS SUBMISSION FORM

Names of all students in the Group/Club making submission (below):

Rene Jimenez - President, Pricilla Rodriguez – Vice President, Cindy Dice – ICC Representative, Luis Preciado -
Treasurer, Abby Laher - Secretary

The Cleaner Campus Initiative

The Cleaner Campus Initiative will engage the Mt. SAC community and strengthen the recycling process at Mt. SAC. Empowering our students to create and organize workshops grants creative ownership which can lead to further research and understanding. Workshops that the environmental student ambassadors facilitate can range from good recycling habits and living sustainably to current environmental issues. The goal of the Cleaner Campus is not only to educate but to also help reduce Mt. San Antonio College's carbon footprint. The second facet of the Cleaner Campus Initiative is to address the recycling process at Mt. SAC.

The CCI will involve using thin, light weight recycling bins all throughout campus while incorporating an efficient collection system. The plastics, metals and other recyclable material collected will be transferred to a nearby recycling center. The heavy duty recycling cans we currently use tend to be few and far between. The unfortunate sight of a recycling can filled with trash because the trash can next to it is full will hopefully be a thing of the past at Mt. SAC. The Environmental Ambassadors will be tasked with collecting and transporting the material (with support by a facilities employee if necessary) along with creating workshops and events that support a more sustainable campus.

Plastic has been taken for granted for far too long now. The convenience of the material is difficult to argue, yes. However, the ever-growing garbage patches in our oceans and seas should be a constant reminder that we only have one planet. The biological accumulation of toxins derived from the use of plastic, like BPA is something that we need to start realizing now instead of decades down the line. The harmful effects it has on our bodies and the environment it's dumped in should no longer be ignored. Student involvement, a plan, and raising awareness can lead to a cleaner campus and healthier environment.



CLEANER CAMPUS INITIATIVE

**“The best preparation for tomorrow is
doing your best today.”**

-H. Jackson Brown Jr.

Renovating Our
Recycling Process

Table of Contents

Short project Description

Goals and Objectives

Project Need Information

Budget Information

Budget Breakdown

Engagement Information

Impact Information

Metric Information

Project Time Line

Replicability & Scalability

Project Lead: Rene Jimenez

Email: rjim11@gmail.com

Cell number: (714) 365-1097

Project Title: Cleaner Campus Initiative

Short Project Description

The Cleaner Campus Initiative is a project that will renovate the recycling process at Mt. San Antonio College. The project begins by having a temporary storage unit on campus to store the recyclable material until it is transferred to a local recycle center. The campus will use recycle bins (a light, mobile wire frame bin similar to those which are currently being used by UCLA) all throughout campus. Student staff along with supervision from designated facilities personnel will collect the recyclable material, separate, and transport to a local recycling center four miles away. These students will be called Environmental Ambassadors that will function as the main labor force and instruction team. The instruction facet of this initiative will be intended for instructing other students about recycling and maintaining a healthy and clean environment.

Project Category

(A) Waste & Recycling

Goals and Objectives

The goal of the Cleaner Campus Initiative is to strengthen the recycling process on campus and inform the Mt. SAC community on maintaining a clean and healthy environment.

The objectives for the Cleaner Campus Initiative are to renovate the recycling process on campus while informing the student population on the environment and recycling information. At least three workshops on these subjects will take place throughout the spring semester. The marketing and promotion of the program and related events will concurrently be posted throughout campus while the bin displays will have information on recycling.

Project Need Information

Mt. SAC is currently one of the leading colleges in sustainable practices. Dr. Scroggins the President and C.E.O. of the college has signed the American College and University Presidents' Climate Commitment (ACUPCC). By signing this he has agreed to try to reduce Mt. SAC's total carbon footprint.

The campus is currently undergoing multiple projects, which will help reduce our carbon footprint and create a more sustainable environment. The Cleaner Campus Initiative would replace the traditional recycle process at Mt. SAC, which is one factor on campus that is not being readily addressed. The environmental club E.A.G.L.E. on campus is one of the leading organizations that have addressed the concern about our traditional recycling process. Having more recycle bins on campus and an increase in student involvement will lead to a cleaner, more informed college campus. Empowering our students to organize workshops and maintain the environment can also provide our students the experience they need for future employment in the environmental and recycling field.

Budget Information

Amount requested: \$9,724

This total is comprised in Figure 1 and Figure 2. Mt. San Antonio College will then cover the cost of the storage unit and then after one year of operation, Associated Students will be asked to assist in balancing the budget for the Cleaner Campus Initiative. Funding for the Environmental Ambassadors after year 1 can be sought through CalWORKs, workstudy or SSEED (student equity program that improves completion rates, teaches job readiness skills and develops leadership skills for students with little to no work experience and high economic need).

In figure 1, the total amount of consumables needed is listed. The part numbers shown are from the website uline.com and will be the primary provider of all consumables.

In figure 2, the Environmental Ambassador's total expense is listed.

In figure 3, two options are listed for the storage unit on campus. The prices provided are the rental fees from Mobilemini office rentals. If the grant is approved, the campus can proceed with the rentals or purchasing of the storage unit if the college sees fit.

Budget Breakdown

Consumables			Fig. 1
ITEM	PN	QTY	Price
Recycle Bins	H-2628	40	\$840
Trash Liners 55 gal	S-2055	15 (100 per box)	\$750
Aprons	S-10485	5 (100 per box)	\$75
Gloves	S- 16849	3 (3 pairs per box)	\$39
Trash Pickers	H- 1863	5	\$100
			Total: \$1,804

Environmental Ambassadors			Fig. 2
STAFF	Weekly hours	Number of weeks per semester	Hourly Rate
Student Worker 1	15 hrs	16+ 3	\$11 per hour
Student Worker 2	15 hrs	16+ 3	\$11 per hour
Student Worker 3	15 hrs	16+ 3	\$11 per hour
3 (15 x 16 x \$11)		+3 weeks of preparation	Total \$7,920

Base of Operations				Fig. 3
Storage Unit	Initial Fees	Monthly Fee	# of Months	Total
Option A 8' x 40' feet	1,002.89	\$449.41	12	\$6,395.81
			\$5,392.92	
Option B 8' x 20' feet	\$834.95	\$353.22	12	\$5,073.59
			\$4,238.64	

Engagement Information

The Environmental Ambassadors (student staff) will maintain the recycling Center and will coordinate the collection of recyclable material throughout campus. Workshops on the environment and recycling will be the secondary function of the Environmental Ambassador's job description. Student clubs and organizations will be able to volunteer and assist in campus wide clean ups and events.

The recycling bin displays will have practical recycling information and information on the environment. Marketing the Cleaner Campus Initiative will be another part of the student staff's responsibilities and will be an effective way to get the word out about recycling.

Impact Information

The benefits of this project to the overall community will be measured in terms of recycled material and environmental workshops held. The impact of the Cleaner Campus Initiative can be observed through three categories; environmental, economic, and social impacts.

Environmental: Having a cleaner campus will be the first obvious sign of improvement once the CCI is underway. The primary function of the Environmental Ambassadors will be to collect, separate, and transport the material to a local Replanet (recycling facility). The Sustainability Committee will assist in the creation of the instructional guidelines for the environmental workshops, facilitated by the Environmental Ambassadors. According to Mt.SAC's greenhouse gases Emissions inventory summary, solid waste makes up 15.7% of greenhouse gas. By informing the Mt.SAC community about our carbon footprint, we can directly lower our figure by having our students minimize their waste and focus on making recycling a priority.

Economic: Record keeping of recycled material collected will allow the program to keep a collection of data for future coordinating and funding use. By weighing the material, it will better enable us to gauge and increase future recycling efforts. All proceeds will go into the joint fund account to balance the program budget.

Social Impact: The Environmental Ambassadors secondary function will be to organize workshops and inform the Mt. SAC community about the environment and recycling information. Every recycle bin will have a backboard attached to the back of the bin to function as a display. These displays will have practical recycling information and environmental conditions.

Metric Information

The Cleaner Campus Initiative's progress and success will be measured by a few metrics. The total tonnage of targeted waste streams will be measured before the program begins and then after one year of continuous recycling within the program. Comparisons of both figures will determine the ultimate success of the program. Another metric will be the total number of workshops held and the number of students attended. Environmental Ambassadors will be tasked with creating, facilitating and promoting the workshops throughout the semester. Partnerships with student clubs and the CCI can lead to campus clean ups and community events.

Project Time Line

1. Anticipated Project Start Date: February 6th
2. Anticipated Project Completion Date: 12 months
3. Project Timeline Details:

Milestones: Implementation Phase, Begin training staff, logistics check, Finish training staff, Ribbon cutting

Milestone- Implementation Phase

Upon grant approval, the implementation phase will include a final check on storage unit site. The director of facilities will make the determination on a suitable site based on recommendations from the facilities committee. Once site is selected, the mobile unit will be bought and ordered. Logistics will be ordered along with storage unit. During this time the Sustainability Committee will assist in the creation of the Environmental Ambassador's job descriptions and workshops.

Milestone- Begin training staff February 6th 2017

While waiting for the delivery of the storage unit, the student staff will get trained based on guidelines recommended by the recycler specialist and the sustainability committee. The sustainability committee is comprised of faculty, staff and students that are an advisory committee to the president/CEO of the college. The student staff will be known as Environmental Ambassadors and will have two functions. The first is to operate as the primary labor force for the CCI, while its secondary role will be to instruct students in recycling and environmental issues. Design of the displays and promotional material will also take place during this time.

Milestone- logistics check

During the training sessions, logistics tracking will take place concurrently as the trainings proceed. The logistics include: consumables such as gloves, bags, aprons, and trash picker uppers.

Milestone- Finish training staff

The three weeks during Winter intercession will be intended for training the staff in safety, recycling procedures and environmental information. Upon completion of the required workshops the staff will begin preparing for the ribbon cutting ceremony.

Milestone- Ribbon cutting

The storage unit will function as the base of operations for the Cleaner Campus Initiative and will play a key role in the ribbon cutting. The student staff will be the ones to cut the ribbon, announcing a clear first step towards a cleaner campus.

Replicability & Scalability

1. Presence of Project on Campus
 - D. Greater than one year
2. Long Term Strategy Plan

The replicability and scalability of this project is fairly simple and feasible. The student lead or designated staff will track all available project data. The project data includes; total amount of recyclable material collected, staff hours required to operate and net income. The PepsiCo grant will only cover the 2017 spring semester. Additional funding for the 2017 fall semester student staff can be acquired through CalWORKs, workstudy, SSEED or by the General Unrestricted fund at Mt. SAC.

Based off project results from spring 17' to the fall of 17', Associated Students and Mt. SAC will be asked to fund the project for the following year. According to the Associated Students Financial Directive, departments and programs are allowed to request funds beginning the second week of February. The initial request will be made in February 2018 based on data collected during 2017, the pilot year of the program.

The amount requested from departments and programs varies from \$500 to \$6,000. Based off project results, funding would be requested for consumables and any other unforeseen expenses.

The expense for the temporary storage can be covered through the college in monthly payments or through initially purchasing the unit. After meeting with the Director of Facilities, he prefers to purchase the unit, so monthly expenses for the storage unit are unlikely and will improve the potential of this being a long-term initiative.