

Approved SCGF Projects

2014-2015 Academic Year Projects

Fall Grants

Electric Truck for the Farm

Project Leaders: Courtney Heverly and Shannon Baillie

To complete the demonstration project Olwen Solar Garage begun in Fall 2012, it is proposed that SCGF fund an electric truck. The vehicle will plug into the solar garage and be powered by the solar panels on the rooftop. The building was built by students in the REED program as a demonstration of sustainable transportation. Unfortunately, the garage's purpose has not been fulfilled due to the lack of an electric vehicle. With the purchase of an electric farm truck, not only will Cerridwen Farm's mission of minimizing fossil fuel inputs be realized, but so too will the original intent for building Olwen Solar Garage. The truck will be used primarily by Cerridwen Farm for farm tasks now done by hand. Daily farm chores, transportation to and from farmer's markets, and harvesting will be greatly assisted by a farm truck. Using solar power to fuel a farm truck showcases the ability of the sun to both grow healthy food and enable sustainable transportation!

Cost: \$16,901

Rolling Grants

Building Community Appreciation

Project Leaders: Nicole Harman and Courtney Heverly

The goal of this project is to show appreciation to the Poultney Artist Guild and Fire Department for their involvement in the hay-bale rendition of GMC's eagle mascot. To show appreciation, the students propose purchasing pumpkins from the farm and using them to make personal pumpkin pies for all individuals involved. The students also propose purchasing paint supplies in order to paint a large sign that says "We love Poultney" that will be placed in the front of Ames in the middle of the circle.

Cost: \$240

Soil Test for North Lawn

Project Leader: Emma Robinson

The student plans to test the soil in front of North for lead, in order to assess whether or not it is feasible grounds for planting edible plants. The plants would be trees or shrubs arranged to demonstrate that lawns can be edible and multi-purpose.

Cost: \$45

Three Bin Waste Stations

Project Leaders: Daniela Arias, Alexandra Reedy, and Eric Wade

This project aims to build 28 three-bin waste stations comprised of the streams recycling, composting, and landfill. The color-coded units would be installed on every floor in every residence hall on campus as a way of helping the Sustainability 2020 metric of diverting 99%

recyclable and compostable material from the landfill stream. The students believe that the ease of having all waste streams side-by-side will increase rates of recycling and composting. The money would be used to purchase supplies to supplement the majority recycled supplies and pay for the student labor required to build the bins. Three students will be hired by a committee that involves the sustainability director.

Cost: \$2,489.01

New Compost Transportation System

Project Leader: Nicole Harman

In an effort to increase the efficiency and safety of nightly compost movement from the dining hall to the farm, the student proposes purchase of small rectangular totes and bus carts to replace the large toter on wheels that is currently used. The toter on wheels consolidates too much compost in one container, resulting in a heavy load that is difficult to move. The new system will be a more modular approach.

Cost: \$350.80

Outdoor Three-stream Waste Receptacles

Project Leaders: Meesuka Morelus and Jennifer Timmons

To support the current effort to streamline waste diversion efforts with indoor receptacles, the students propose a similar three-stream approach in outdoor receptacles. In order to accomplish this, the students would like to design three triangular wooden openings that when combined equal a circle. These openings would be placed on the top of all outdoor receptacles. Every opening would be painted a different color to correspond with the color-coding of the indoor bins and every opening would also be labeled appropriately: compost, recycling, or landfill. They will be designed and constructed using the REED shop.

Cost: \$60

Thanks & Giving

Project Leaders: Carl Diethelm and Simon James

The students propose supporting the forthcoming Thanks & Giving event by purchasing meal tickets to the GMC dining hall and compostable silverware. The meal tickets would be given out to participants throughout the day and the remainder would be given to the Poultney Food shelf so that families in need could participate. The dinner and corresponding contra dance are the culminating event of the day of service and to make the event successful, high attendance is needed. The compostable silverware would be used for the lunch event held at St. Rafael's Church.

Cost: \$1,080

Sustainability 2020 Pledge Wall

Project Leaders: Marjuk Ahmad and Swe Zaw Oo

In an effort to support Sustainability 2020, the students propose designing and installing a pledge wall in the CoffeeHouse. The wall would feature weekly challenges that students could personally respond to, thus increasing personal engagement with the strategic plan. The project is intended to boost overall involvement with the plan by giving people an opportunity to actively contribute beyond what they do in the classroom.

Cost: \$200

Model UN

Project Leaders: Bianca Z., Salima M., Antoine L., and Robert H.

The students propose funding for the Model UN team to attend the conference in New York City where they will be modeling United Nations delegates. The effort is a great example of social sustainability that helps foster students' confidence, as well as their diplomatic skills. Students will be tasked with developing model policy.

Cost: \$1,577.31

Intentional Endowments Conference

Lead Students: Chelsea Caldwell and Simon James

The students propose attendance at the Intentional Endowments Conference at Mt Holyoke College where they will learn about how to increase positive investing of endowments. Strategies will include divestment screens and ESG screens.

Cost: \$100

Organic Soil Research Experiment

Lead Student: Christopher Stephanson

The student proposes purchase of equipment, such as a furnace, capable of flaring soil in a close chamber so that the organic content can be analyzed. This equipment is critically important for organic soils research being carried out by a team lead by Bill Landesman. The research is exploring the best strategies for greenhouse gas sequestration across different organic farming techniques.

Cost: \$890

Bat Habitat

Lead Student: Joshua Klavens

The student proposes planting dozens of trees near the Poultney River to establish more bat habitat. Bats are becoming increasingly threatened in Vermont and safe, desirable habitat is needed to ensure their success. The trees would be purchased with the help of the Native Plant nursery on campus.

Cost: \$755

Improving Music Facilities on Campus

Lead Students: Sarah Wallen & Ivana Zivovic

The campus is in need of a better equipped area for the various bands to practice in without disrupting other adjacent activities. A suitable area has been located in Dunton basement, but some renovation is needed to make the place adequate. This money would help pay for renovation.

Cost: \$144.59

Consulting for Compost Facility Design

Lead Student: Carl Diethelm

The student proposes a modest consulting fee for Cody Gaylord, an adjunct faculty member who is willing look at engineering designs for the new compost facility and use them to estimate a cost to construct the facility. The project is directly in line with Sustainability 2020 waste diversion goals.

Cost: \$200

2013-2014 Academic Year Projects

Fall Grants

Timber Frame Bike Shelter

Project Leader: Adam Zais and Taylor Herman

Goal: In the fall of 2013, students Adam Zais '14 and Taylor Herman '14 proposed and received a \$10,000 SCGF grant to fund the construction of a timber frame bike shelter as part of their delicate balance project. The shelter was built in order to promote carbon-neutral transportation around campus and the wider Poultney community, especially during times of inclement weather (such as rain and snow). The actual construction of the bike shelter was incorporated into an intensive class run through the REED program in order to provide students with hands-on experience in building simple post and beam structures. Furthermore, all materials for the bike shelter were locally sourced!

Cost: \$10,000

Conservation Boardwalk

Project Leader: Katie Getts, Emily Hawkins and Jonathan Bissell

Goal: Over the span of just four years, a portion of GMC's natural areas was heavily degraded due to increased traffic between the lower parking lot and the Poultney River. GMC students Katie Getts '14, Emily Hawkins '14 and Jonathan Bissell '13 developed the idea to construct a conservation boardwalk to protect one of GMC's most prized and invaluable possessions – its natural areas. The boardwalk was proposed in connection with a delicate balance project to promote community awareness of increasing ecological degradation on the main trail that leads to the Poultney River, while also keeping human impact to a smaller and more secure area. The boardwalk is intended to prevent further soil compaction and vegetation degradation. It will also improve walking safety and repair prior damage from a heavy slate truck that was driven down the path in previous years. The students were awarded a \$3,325 grant and the boardwalk was constructed with the help of GMC students during the last two weeks of the 2014 spring semester.

Cost: \$3,325

Student Wellness Program

Project Leader: Connor Magnuson

Goal: This program offers wellbeing activities and information about stress reduction and emotional well-being through mediums such as food as medicine, herbal healing, gender talks, energy healing, yoga, lifestyle training, and others. Three students carry-out the activities, as well as coordinate with multiple clubs on campus that contribute to health and wellbeing. The money goes toward paying for three student positions for a semester, informational sessions, and containers, packaging, teas, salves, and oils.

Cost: \$7,026.70

Rolling Grants

AASHE Conference Registration

Project Leader: Nicole Harman, Jensen Morgan and Connor Magnuson

Goal: In October of 2013, SCGF funded three GMC students to attend and present at the Association for the Advancement of Sustainability in Higher Education (AASHE) Conference in Nashville, Tennessee. Students Nicole Harman '16, Connor Magnuson '14, and Jensen Morgan '13 were each awarded \$100 by SCGF to share the wonderful work they are doing at Green Mountain College with the wider sustainability community. Nicole Harman displayed a poster on "Reducing Carbon Footprints From the Very First Step: Sustainability Orientation at Green Mountain College." Connor Magnuson, along with REED professor Lucas Brown enlightened attendees with knowledge on the Olwen Solar Garage through a presentation titled, "A Design-Build Block Semester: Student Engagement Through the Creation of a Solar Garage." Finally, Jensen Morgan and professor Matt Mayberry shed light on GMC's Sustainability

2020 plan through a presentation titled, "A Holistic Approach to Culture Change on Campus: A New Model of Liberal Arts Education."

Cost: \$300

Energy Audit of Two Editor's Inn

Project Leader: Mary Perotti

Goal: In the fall of 2013, Mary Perotti '13 headed a SCGF grant to perform an energy audit on GMC's Two Editors Inn. The Two Editors Inn is one of GMC's valued historic buildings, yet the high heating bills and fuel usage during the winter concerned the College as it progresses toward its goal of achieving authentic sustainability by 2020. Perotti called upon Weatherization Works, along with the help of a GMC class intensive, to conduct the audit, and the results were astonishing! The audit indicated that the poorly insulated attic and exposed dirt floors were costing the College and the climate unnecessary expenses and carbon dioxide emissions. In the spring of 2013, GMC's Campus Sustainability Council (CSC) approved funds to weatherize the building, saving the college more than \$2000 on energy bills and 10,467 pounds of carbon dioxide emissions annually.

Cost: \$100

Do it in the Dark Flameless Candles

Project Leader: Courtney Heverly

Goal: Do it in the Dark is an annual competition held at GMC to promote energy awareness and conservation amongst GMC students and the wider community. In the fall of 2013, student Courtney Heverly proposed a SCGF grant to fund over 100 flameless LED candles to be used in the dining hall to kick start the competition. Heverly was awarded \$157.97 to purchase the candles in order to promote energy conservation for the community at whole. These candles will be reused in upcoming years as the competition continues to promote energy savings across campus on an annual basis!

Cost: \$224 approved budget (\$157.97 used)

Speaker on Urban Permaculture

Project Leader: Jensen Morgan and Connor Magnuson

Goal: In late October of 2013, seniors Jensen Morgan '13 and Connor Magnuson '14 arranged for a visit by organizer and permaculturalist Jan Spencer of Eugene, Oregon. Spencer is a community organizer and influential permaculturalist who pushes for deep changes to the culture and economy of the Pacific Northwest. Morgan and Magnuson were awarded a \$1000 SCGF grant that allowed Spencer to host a workshop and lecture for the GMC community in early November. The workshop Reclaiming Suburbia Through Permaculture was hosted in the Gorge on the afternoon of November 6, 2013 and was followed by a presentation titled, "Transforming Where We Live – Our Homes, Culture and Economy" later that evening.

Cost: \$1,000

Farm Parade Heads

Project Leader: Nicole Harman

Goal: In the spring of 2013, senior Annie Parham '13 constructed 10 paper mache farm heads to host a parade during GMC's annual Earth Week festivities. Nicole Harman '16 soon recognized the community value of these farm heads and proposed a SCGF grant for \$450 to purchase the heads for use by the school at community celebrations throughout the year. These paper mache heads were put to use again during GMC's Earth Week celebration in 2014 when former SCGF director Kristen Friedel '14 organized a farm parade of students, professors and faculty that extended from Ames Circle to the annual Poultney

Earth Fair. President Paul Fonteyn marched proudly down Main Street wearing the carrot head and Poultney community members were thrilled to view the spectacular display of one of Vermont's most prized values – local food systems at work! Keep your eye out for these eye-catching heads around the GMC community at a variety of collective events throughout the year!

Cost: \$450

Killington Reusable Cups

Project Leader: Emily Burt

Goal: SCGF's annual budget is always open for use by GMC's resort and hospitality students who spend most of their time on the Killington campus. In the fall of 2013, student Emily Burt took advantage of this opportunity wholeheartedly. Burt recognized the need for reusable cups for student use on the branch campus as she witnessed many students carrying around disposable cups for beverages between the dining hall and classes. After investigating the available resources around the wider GMC community, Burt organized the transfer of excess orientation mugs from GMC's main campus to the Killington campus. Burt was awarded a \$120 SCGF grant in order to make this happen and has since made an impact of reducing the amount of waste that is sent off to landfills from GMC's Killington students.

Cost: \$120

Thanks and Giving Community Meals

Project Leader: Shannon Bailee

Goal: Every year around Thanksgiving, GMC community members get together and put their energy to good use through various acts of community service throughout Poultney. Student Shannon Bailee, along with many others who helped to plan the 2013 Thanks and Giving event, sparked the idea to also host meals for community members out of the GMC dining hall. After much collaboration with the Thanks and Giving committee, Chartwells and SCGF, Bailee was awarded a \$276.38 grant to fund 75 free meals for community members throughout Poultney. What better way of saying "thanks" than sharing a delicious and local meal with the friendly faces of those we appreciate most in Poultney?

Cost: \$303.75 approved budget (276.38 used)

White Tailed Deer Study

Project Leader: Libby Davis

Goal: Conducting research is a vital part of promoting the three pillars of sustainability. At the end of the 2013 fall semester, student Libby Davis '14 submitted a SCGF proposal to fund primary student research that would evaluate the phylogenetic relationships across White-tailed deer populations in Vermont. With a \$2000 SCGF grant, Davis collected 44 tongue-tissue samples across the state of Vermont and performed DNA electrophoresis and sequencing in an effort to gauge the genetic diversity of the deer population throughout the state. Davis found that VT's deer herd is much healthier now, with a higher overall level of gene variation and less susceptibility to winterkill and over-grazed habitats. Results of the study were presented at the North East Fish and Wildlife Conference in mid-April and to the GMC community in early May.

Cost: \$200 approved budget (276.38 used)

Biomass Education Headphones

Project Leader: Oluwadamilola Onakomaiya aka Dami

Goal: GMC's biomass is one of the most attention-grabbing facets of the campus. Yet for many years, the information presented in guided tours was flushed out by the loud sounds that accompany this energy-

wise technology. Student Oluwadamilola Onakomaiya (aka Dami) '17 proposed that the biomass be accompanied by wireless headphones to help visitors better understand the value of GMC's biomass at work. Dami was awarded a \$1518.15 SCGF grant to purchase 10 receivers and headsets and 2 microphones to promote the educational value of the student-implemented biomass on campus. As it turns out, there's much more to learn about the biomass other than the riveting sounds of circulating woodchips and running steam pumps!

Cost: \$1518.15

Model UN Conference

Project Leader: Allan Michel Jales Coutino, Lian Karuki and Denise Castro

Goal: The Green Mountain College delegation attended National Model United Nations from 13 to 18 of April. Thanks to many GMC departments, the administration, and SCGF, the students had enough funds to participate in this international conference and represent the best of our community. In the spring of 2014, GMC students represented the country of Togo in West Africa. Students participated in different committees within the UN, addressing the most pressing issues of today, including climate change, the conflict in Syria, and women's rights. For the first time in the history of NMUN club at GMC, our delegation was awarded the "Distinguished Delegation" award, which is second highest nomination in the conference. In addition, student Salima Mahamoudou received the "Outstanding Position Paper Award" in UNEP (United Nations Environment Program), and student Bianca Zanella was selected to participate in the conference as a rapporteur.

Cost: \$877.50

Natural Areas Crew Position

Project Leader: Josh Jones

Goal: Invasive plants such as garlic mustard and glossy buckthorn tend to overtake GMC's natural areas during the warm summer months, bringing much detriment to the surrounding native flora in the area. After hearing word that one of the Natural Areas Crew positions would be eliminated in the summer of 2014 due to department budget cuts, student Josh Jones '14 welcomed the responsibility of ensuring that the crew continue its integral work. GMC's Natural Areas Crew maintains the native plant communities in the campus natural areas as well as those at the Lewis Deane Nature Preserve by continually pulling out invasive herbaceous plants and shrubs that can quickly change the nature of a plant community's ecosystem. Jones proposed a SCGF grant to fund one natural areas crew position to continue pushing forth with the invasive plant management initiatives on campus and effectively secured \$1,201.38 for GMC's biology department to continue enforcing its invasive plant management protocol.

Cost: \$1,201.38

Ecofeminism Speaker

Project Leader: Rosemary Shobbrook and Johnny Cabrera

Goal: As part of a delicate balance project, students Rosemary Shobbrook and Johnny Cabrera organized for Tatiana Abatamarco, a professor at Paul Smith's College, GMC alumna and former philosophy student, to give a lecture on ecofeminism titled "Women's Sense of Farming: An Ecofeminist Ethnography." Abatamarco hosted an interested and lively audience and provoked rich discussions. The presentation was considered to be a success in increasing GMC's social capital while also promoting diversity and inclusion to all people within the community. SCGF generously awarded Shobbrook and Cabrera \$200 to host Abatamarco, through which an enriching discussion of ecofeminism prevailed.

Cost: \$200

Three Bin Waste System

Project Leader: Eric Wade and Tygre Wright DeMaria

Goal: In late spring 2014, students Eric Wade and Tygre Wright DeMaria headed a grant to create a pilot three bin waste system on campus. This system offers an all-in-one trash, recycling and composting kiosk for students with the intention of increasing the waste diversion rate in resident halls. The system was created with almost all recycled materials, costing \$150 to build completely. The pilot system is currently being tested, and if waste diversion rates do increase at the test site there is great potential for these three-bin waste systems to be made for all residence hall floors on campus.

Cost: \$150

2012-2013 Academic Year Projects

Fall Grants

Cree Weatherization Completion

Project Leader: Katie Emerson

Goal: Previous weatherization of the Cree attic was not completed, and it still needs to be properly sealed. This project requires Bill Morrissey of Weatherization Works to come back and finish the weatherization of Cree Hall.

Cost: \$5,900

Local Food Sourcing Position

Project Leaders: Harrison Rhodes, Mary Perotti, and Michael Sharry

Goal: The creation of a local food sourcing position in the dining hall greatly reflects the sustainability mission of the college. Position duties will include sourcing local food that can be purchased, helping draft and implement the new meat purchasing policy that is being written, working with students in the certified kitchen to process more local food, and implementing a diet dashboard to track sourcing and consumption in the dining hall.

Cost: \$10,000

Mind Mixer Online Town Hall Meeting Forum

Project Leaders: Nathaniel Steinrueck, Abe Broccolo, Connor Magnuson, Jensen Morgan, Zak Killian

Goal: A MindMixer account for Green Mountain College and the greater Poultney community will significantly improve community engagement collaboration. Community members are directly involved in discourse regarding issues on education, enterprise, politics, etc. Issues gaining the most attention will be featured at the top of the site and community members propose and vote on solutions. This form of social media will be used to generate rich dialogue and encourage positive change in the greater Poultney community.

Cost: \$3,000

Campus Bike Trailers

Project Leaders: Nick McEachern, Nick Rushford, and Jon Klos

Goal: Two trailers will be outfitted to accommodate the transportation of groceries, building materials, canoes, kayaks, or anything else members of the GMC community need transported around the area. Another trailer will be converted into a food and beverage vending cart. These bicycles and trailers will be available to all students, faculty, and staff to rent for free from the GMC Bike and Ski Shop.

Cost: \$3,500

2011-2012 Academic Year Projects

A total of 14 projects were funded during the 2011-2012 academic year. Rolling grant funding totaled \$7,474.13 and fall grant funding totaled \$22,074 for a grand total of almost \$30,000. As of August 2012, 12 of 14 projects have been implemented.

Fall Grants

Eco-Reps Renewal

Project Leader: Nate Steinrueck

Goal: The student body voted for SCGF to fund the salaries of the eco-representatives for another year, and we were thrilled to do so. The eco-reps work on campus to promote sustainability, and more can be learned about their activities by visiting the sustainability office.

Cost: \$8,024

Electric Truck

Project Leaders: Garth Lindquist and Colin Tress

Goal: An electric truck will be purchased to provide an alternative clean energy mode of transportation and contribute to the college's mission of carbon neutrality. The truck may be used for hauling and transportation needs by the farm, REED program and individual students within a range of 35 miles.

Cost: \$6,550

Energy Retrofit of Cree Hall

Project Leader: Jake Robinson

Goal: The attic of Cree Hall was retrofitted and weatherized to make the building more energy efficient and thermally stable. The weatherization of Cree Hall will provide an example for the future retrofitting of additional campus buildings.

Cost: \$7,500

Rolling Grants

Bio-Char Oven

Project Leader: Bich Nguyen

Goal: A two-layer bio-char oven was designed and built to research whether or not carbon in bio-char makes soil more fertile. The project is an excellent cooperative between the chemistry department, Cerridwen Farm, and the biomass facility.

Cost: \$641

Farm Fencing

Project Leader: Benjamin Dube

Goal: The fencing on Cerridwen Farm was modified with gates and a hay culvert to increase the efficiency of the college's growing animal husbandry program and extend the grazing season.

Cost: \$1,200

Mycology Symposium

Project Leader: SJ Kwiatkowska

Goal: SCGF partly funded a four-day symposium on the understudied topic of mycology, or the study of mushrooms and fungi. Several professors and mycologists were guest speakers, and students and faculty alike learned more about the fascinating and ecologically crucial field of mycology.

Cost: \$250

Recycling Bicycle and Trailer

Project Leader: Meiko Lunetta

Goal: A three wheeled bicycle with a trailer was created by local bike shop owner Tim Johnson. This bicycle and trailer increased the efficiency of the recycling crew by enabling the transport of more recycling in fewer trips.

Cost: \$300

REED 3D Printer

Project Leader: Daniel Riley

Goal: A 3D printer will allow Renewable Energy and Ecological Design students to see miniature built replicas of their designs, thus enabling students to see whether or not their designs would actually be feasible in a real-life environment. The addition of this printer will aid the program as it transitions from a certificate to a full major.

Cost: \$1,999

2010-2011 Academic Year Projects

In 2010 nearly \$50,000 of funding was approved for campus sustainability projects which have now been implemented.

Fall Grants

Thermal Efficiency Audit

Project Leader: Garnet Morgan

Goal: A report on thermal energy efficiency was conducted to prioritize specific weatherization efforts in the dormitories.

Cost: \$10,000

Building Dashboard

Project Leader: Amanda Elder

Goal: This project was jointly funded by the school and SCGF to provide an interactive metering system of electricity and heat on campus. This enables the school to prioritize future energy efficiency projects on campus.

Cost: \$10,000

Chartwells Freezer

Project Leader: Rebecca Teller & Lisa Wilson

Goal: Increase the amount of local food served in the dining hall through increased storage capacity.

Cost: \$20,000

Eco-Reps

Project Leader: Kyla Jaquish

Goal: Create a new Eco-Rep program to pay students for work in each residence hall to raise awareness about sustainability initiatives. The grant will fund the program for two semesters.

Cost: \$7,780

Bridge for the Deane Nature Preserve

Project Leader: Emily Provonsha

Goal: Work with the Yestermorrow Design Build School to design and build a bridge to increase accessibility to the Deane Nature Preserve.

Cost: \$15,000

Rolling Grants

Outdoor Classroom Landscaping

Project Leader: Ashley Staron

Goal: Planting native species around the outdoor classroom.

Cost: \$3,000

Tiny Theater Memberships

Project Leader: Jose Galvez

Goal: Provide 100 free student memberships to the Tiny Theater. This initiative supports local business and reduces students carbon footprint associated with travelling for entertainment.

Cost: \$1,000

Community Compost Buckets

Project Leader: Deborah Deluca

Goal: Provide compost buckets to local businesses. This compost will be used by the Poultney High School Community Garden.

Cost: \$93

Light Bulb Swap

Project Leader: Diane Mulvihill

Goal: Purchase 500 CFL bulbs to give away to students, faculty and staff to replace regular incandescent bulbs.

Cost: \$735

Hub Cookbooks

Project Leader: Cassidy Callahan

Goal: Compile recipes that are easy to cook in a dorm hub and feature local ingredients. Print, bind and make available in all residence hall hubs.

Cost: \$400

Red Bird Mission Trip

Project Leader: Katie Emerson

Goal: Enable eleven students and many community members to spend spring break repairing houses in an impoverished area of Kentucky which is heavily affected by the coal mining industry and mountain top removal.

Cost: \$1,000

Bike Shop

Project Leader: John Debay

Goal: Open a student-run bike shop for repairs and maintenance of student bikes and to encourage more ridership on campus.

Cost: \$965

Spring 2009 Projects

Native Flora on Campus

Project Leaders:

Emily Provonsha, Mara Smith

Goal:

A variety of native grasses, wildflowers, and shrubs will be planted in four locations across campus. Possible plant varieties include Hyssop, Blue Cohosh, American Ginseng, New England Aster, Mountain Cranberry, Marigold and more.

From the Proposal:

"As an educational tool, the gardens will show the importance of preserving our region's flora. They will raise awareness of biodiversity, the interconnectedness of flora and fauna and the intrinsic value of our land. The project will also increase biodiversity and reduce the College's carbon footprint.

Tree Canopy Restoration

Project Leaders:

Evan Miller, Kadie DellaCamera

Goal:

Plant 30 more native trees on campus to restore tree biodiversity and a healthy canopy.

From the Proposal:

"These trees will be excellent educational tools for biology and garden design classes, as well as the general public, as they will show that native plants can be both beautiful and functional."

Earth Tub Restoration

Project Leaders:

Ben Jankowski, Ronnie Black

Goal:

Repair/ restore the two composting Earth Tubs and improve the functionality of Green Mountain College's compost program for the future.

From the Proposal:

"The Tubs themselves are in a location highly visible to GMC students, and returning them into a state of full repair would be a verification of an initiative already invested in by the college."

Ecolabeling Initiative

Project Leaders:

Megan Dupille, Gregor Burriss, Nikki Pfeiffer, Jennilee Smarro

Goal:

Initiate an ecolabeling campaign by installing black aluminum poster frames at locations across campus. Labels may include information regarding gallons of water used per student per day, gallons of water used by school on average per day, water saving tips and more. Past SCGF projects may also be labeled.

From the Proposal:

"We believe it's important to spread awareness of the products we use most often and on a daily basis so that we can become more conscious of how we influence the world around us."

Energy Efficiency in the Library

Project Leader:

Mara Smith

Goal:

Replace all of the 32 watt T8 bulbs in the Griswold Library with a more efficient 28 watt lamp

From the Proposal:

"This project coincides with the environmental mission of Green Mountain College. By reducing our energy consumption, we are asserting ourselves as a more sustainable institution taking the necessary strides toward a carbon neutral campus."

Green Bike Program

Project Leaders:

Ian Sutherland, Amanda Matznick, Rebecca Slutzky

Goal:

Install a "Green Bikes" bike rack with one dozen recycled bikes available for check-out by students, faculty, and staff members with a valid Green Mountain ID. Each bike will have an individual key lock. On checkout, the student or staff member will provide identification and sign a liability waiver form.

From the Proposal:

"According to a small campus poll, the vast majority of students use their cars to drive within a twenty minute radius of campus: a distance easily accessible by bicycle. By creating a green bike program, GMC is creating a way for students to replace automobile use with human powered bicycle transportation."

Low Flow Showerhead Project

Project Leaders:

Ben Jankowski, Ronnie Black

Goal:

Replace the current 2.5 gallon per minute showerheads in residence hall showers with high efficiency 1.5 gallon per minute maximum showerheads

From the Proposal:

"These new showerheads will use 40% less water per minute than the current system. This will reduce the overall consumption water and oil used to heat water in residence hall showers. High efficiency showers will promote further investigation into other sustainable practices, such as low flush toilets and low flow sinks.

Cerridwen Farm Tree Project

Project Leader:

Irene Holak

Goal:

Purchase specific fruit bearing plants and trees that are well-suited for the Vermont's environment. Plant in locations approved by the land use committee. Possible varieties include apple and pear trees, blueberry bushes, and strawberry and raspberry plants.

From the Proposal:

"Trees and plants sequester carbon, provide shade, absorb water, and contribute to aesthetics and food. By providing more edible and fruit bearing trees, these ecoservices will be enhanced. Habitat is provided as well as food for a greater number of animal species around campus."

Fall 2009 Projects

Voting for the fall of 2009 Student Campus Greening Fund grants ended December 11. Fifteen projects were funded totaling close to \$50,000.

Indoor Compost Buckets

Project Leader: Michael Middleman

Goal: Install compost buckets in the hub of each dormitory building on the Green Mountain College campus. The project includes a trial phase and an implementation phase.

[SCGF Proposal](#)

Earth Tub Repair & Upgrade

Project Leader: Michelle Erhard

Goal: Repair and restore two Earth Tub composters already owned by the College, and improve the functionality of GMC's composting program for the future.

[SCGF Proposal](#)

Green Bikes Shelter

Project Leader: Kevin Rockey & Tim Johnson

Goal: Construct a shelter over the green bikes rack near the library. Green bikes are available for use by GMC community members.

[SCGF Proposal](#)

Native Gardens Planting

Project Leader: Emily Provonsha

Goal: Plant a variety of native grasses, shrubs and wildflowers in existing native garden beds. Sites include the medicinal garden near Ackley Hall, the garden outside Waldron Athletic Center and a garden on the western side of Pollock Hall.

[SCGF Proposal](#)

Indoor Recycling Bins

Project Leader: Jaid Cherkis

Goal: Purchase 20 more recycling bins to be placed at locations across campus. These will supplement bins purchased last year through the SCGF.

[SCGF Proposal](#)

Building Dashboard

Project Leader: Amanda Elder

Goal: Install live energy streaming modules on the new biomass facility and two residence halls. The proposal also includes installation of an interactive display kiosk. Building dashboard technology allows

GMC community members to access data regarding energy consumption on campus, providing a “strong incentive to reduce usage.”

[SCGF Proposal](#)

Mycelium Buffer Mats

Project Leader: Clifford Dornbush

Goal: Create mycelium mats near the pig pasture on Cerridwen Farm. Mushrooms filter the possible high levels of E. coli, mercury and other pathogens that pollute water and soil.

[SCGF Proposal](#)

Outdoor Classroom

Project Leader: Ashley Staron

Goal: Create an amphitheater-style outdoor classroom on the GMC campus. The classroom will be constructed out of local slate, marble and natural vegetation during Earth Week 2010 with help from student and community volunteers.

[SCGF Proposal](#)

Mobile Solar Electrical Generation System

Project Leader: Cody Carrier

Goal: Construction of a mobile solar trailer that includes four 120 watt solar panels. The trailer would serve as a educational resource and allow for the completion of campus projects without the use of grid-tied energy systems.

[SCGF Proposal](#)

Thermal Efficiency Audit

Project Leader: Garnet Morgan

Goal: Hire an energy services firm to conduct a thermal efficiency audit of the campus. This would “result in a prioritized list of future weatherization projects to increase our buildings’ thermal efficiency.”

[SCGF Proposal](#)

Dorm Watt Meters

Project Leader: Carley Williams

Goal: Order at least ten watt meters for use by members of the GMC community. These devices would allow students to study individual energy use on campus.

[SCGF Proposal](#)

Wind Turbine Repair

Project Leader: Kyla Jacquish

Goal: Hire a contractor to install a grounding system, rectifier, and perform an annual inspection on GMC’s wind turbine.

[SCGF Proposal](#)

Green Bikes Manager

Project Leader: Tom Wheeler

Goal: Fund one work study position for the next two years to make sure GMC’s green bicycles are properly maintained.

SCGF Proposal

Thermal Imaging Camera

Project Leader: Jake Robinson

Goal: Purchase a thermal imaging camera to “identify minor variations in temperature, which signal electrical, moisture, and heat-loss problems in a structure.” This camera would be a diagnostic tool for weatherization projects on campus and in the community.

SCGF Proposal