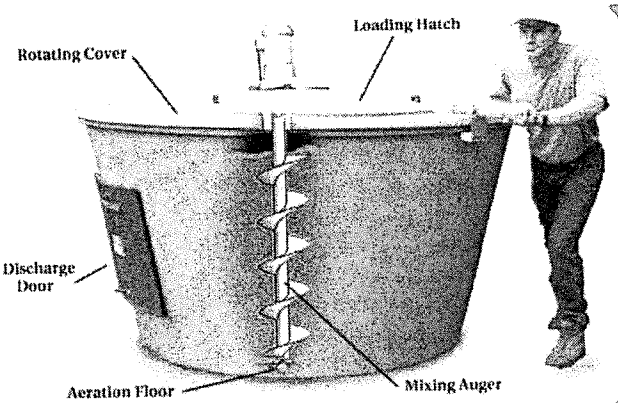
THE EARTH TUB



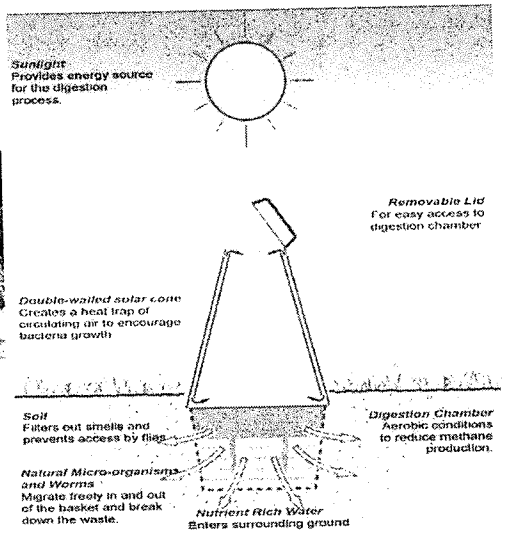
The Earth Tub
$9975.00

12'x12' space
gravel or concrete pad
* outdoor *
maintenance checks

THE GREEN CONE

The Green Cone
(Solar Digester)
$139.00 - $150.00

internal
"under"ground
* outdoor *



Over 90% of the waste material in your Green Cone will be absorbed as water by the soil.

Channel Islands
CALIFORNIA STATE UNIVERSITY

STARS

(ER) Curriculum Credit 6: Sustainability-Focused Courses

STARS Information:

- **Credit Rationale:** This credit recognizes institutions that offer academic courses focused on sustainability.
- **Environmental Benefits:** Sustainability-focused courses provide valuable grounding in the concepts and principles of sustainability. These courses educate students about how different dimensions of sustainability relate to and support each other in theory and practice. In addition, these courses help equip students with the skills to weave together disparate components of sustainability in addressing complex issues.
- **Scoring:** Institutions earn the maximum of 10 points for this credit if sustainability-focused courses comprise 10 percent or more of all courses offered. Incremental points are available based on the percentage of course offerings that are sustainability-focused.

GOING GREEN

CSU Channel Islands Summary:

The following have been identified as sustainability-focused courses offered at California State University Channel Islands:

- ANTHROPOLOGY 104 Introduction to Anthropology
- ANTHROPOLOGY 345 Human Evolution and Diversity
- ANTHROPOLOGY 332 Human Ecology
- BIOLOGY 313 Conservation Biology
- BIOLOGY 335 The Biosphere
- BIOLOGY 342 The Zoo
- BIOLOGY 345 Science and Public Policy
- BIOLOGY 493 Service Learning at the Zoo
- BUSINESS 342 The Zoo
- BUSINESS 493 Service Learning at the Zoo
- CHEMISTRY 101 Chemistry and the Environment
- CHEMISTRY 301 Environmental Chemistry: Atmosphere and Climate

Channel Islands
CALIFORNIA STATE UNIVERSITY

STARS

(ER) Curriculum Credit 7: Sustainability-Related Courses

STARS Information:

- **Credit Rationale:** This credit recognizes institutions that offer academic courses related to sustainability.
- **Environmental Benefits:** Sustainability-related courses help build knowledge about a component of sustainability or introduce students to sustainability concepts during part of the course. They may compliment sustainability-focused courses by providing students with in-depth knowledge of a particular aspect or dimension of sustainability (such as the natural environment) or by providing a focus area (such as renewable energy) for a student's sustainability studies, or they may broaden students' understanding of sustainability from within different disciplines.
- **Scoring:** Institutions earn the maximum of 10 points for this credit if sustainability-related courses comprise 30 percent or more of all courses offered. Incremental points are available based on the percentage of course offerings that are sustainability-related.

GOING GREEN

CSU Channel Islands Summary:

The following have been identified as sustainability-related courses at California State University Channel Islands:

- ANTHROPOLOGY 102 Cultural Anthropology
- ANTHROPOLOGY 310 Civilizations of Ancient Landscape: World Archaeology
- ANTHROPOLOGY 444 Values and Valuables
- ANTHROPOLOGY 332 Human Ecology
- ART 100 Understanding Fine Arts Processes
- ART 101 What is Art?
- ART 331 Art, Society, and Mass Media
- ART 435 Postmodern Visual Culture
- ART 451 Diversity in the Visual Arts
- ART 489 Arts Seminar
- ART 490 Special Topics in Art
- ART 499 Arts Capstone Project

- COMMUNICATION 443 Environmental Communication
- COMMUNICATION 450 Environmental Conflict Resolution
- COMMUNICATION 490 Special Topics
- COMMUNICATION 492 Internship
- COMMUNICATION 494 Independent Study
- COMMUNICATION 499 Capstone
- ECONOMICS 362 Environmental Economics
- ECONOMICS 448 Globalization and Development
- EDUCATION SINGLE SUBJECT 542 Teaching Science in High Schools
- EDUCATION SINGLE SUBJECT 532 Teaching Science in Middle Schools
- ENGLISH 105 Composition and Rhetoric II
- ENGLISH 107 Advanced Composition and Rhetoric
- ENGLISH 342 Environmental History
- ENGLISH 465 Creative Writing Project
- ENGLISH 490 Special Topics
- ENGLISH 494 Independent Study/Senior Research
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 329 Environmental Law and Policy
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 332 Human Ecology
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 340 Politics and the Environment
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 341 The National Park
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 351 Field Methods: Monitoring and Assessment
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 410 Environmental Impact Assessment
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 440 Population Studies
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 443 Environmental Communication
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 450 Environmental Conflict Resolution
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 482 Issues in Environmental Planning and Resource Management
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 491 Capstone Preparation
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 492 Service Learning / Internship
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 493 Service Learning at the Zoo
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 494 Independent Research
- ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT 499 Capstone
- GEOLOGY 121 Physical Geology
- GEOLOGY 122 Historical Geology
- GEOLOGY 300 Foundations of Earth Science
- GEOLOGY 310 California Geology
- GEOLOGY 321 Environmental Geology
- GEOLOGY 322 Sedimentology, Stratigraphy, Groundwater Hydrology
- HISTORY 332 Narratives of Southern California

Green Mountain Technologies, Inc.
The Organic Recycling Company

THE EARTH TUB™ FREQUENTLY ASKED QUESTIONS

What is the Earth Tub ™? - The Earth Tub™ is a small scale, in-vessel composting system for recycling organic waste materials at the site where they are generated. Complete with a bio-filter for odor processing and control, this system provides a neighborhood friendly efficient composting technology. The Earth Tub™ has been developed specifically to meet the composting needs of universities/schools, restaurants/cafeterias, commercial food processors, hospitals, multi-unit residential dwellings, camps and other institutional organic waste generators.

What is unique about the Earth Tub ™? - The Earth Tub offers the sophistication of large in-vessel composting systems to the small institutional generator at an affordable price.

What are the key features of the Earth Tub™?

- Modular and expandable design allows flexibility in application
- Bio-filter processes odors and accelerates the compost process
- High rate composting reduces volume and stabilizes material quickly
- Powered auger is thoroughly effective for mixing and shredding most foods
- Insulated design allows for operation under winter conditions
- Durable, heavy duty plastic construction (double walled rotomolded polyethylene)
- Finished potting soil mixes can be blended within the Earth Tub by adding peat moss etc to compost

How much organic waste must an institution generate to use the Earth Tub™? - For on-site composting, the Earth Tub™ is capable of processing as little as 40 lbs (20 kg) per day or as much as 500 lbs (250 kg) per day. The modular design of the system allows it to be adapted to a wide variety of applications and configurations.

How long will it take to fill the Earth Tub™? – Assuming a 5-6 day per week operation, it will take 13 weeks to fill an Earth Tub at 40 pounds per day, 5 weeks to fill at 50 pounds per day, and 3.5 weeks to fill at 150 pounds per day. Each unit has a total of 3200 lbs (1500 kg) biomass capacity when full. This data was collected at University of North Carolina, Charlotte installation.

What if your organic waste stream increases? - Expansion capability is one of the key features of the Earth Tub System™. By virtue of its modular design, the system is ideally suited to incremental capacity increases. This system is a perfect application for gradually introducing composting to the institutional organic waste generators.

What are acceptable Materials for Composting?- The system is designed to process Kitchen prep waste and plate scrapings. Green garden waste and manures will easily compost in the system. Meats, cheese, and other fatty foods should be kept below 10% of total waste input. Avoid adding large pieces of meat, fats or oils to the system.

How cold can it be and still maintain compost temperatures in the Earth Tub? – The Earth Tub has been installed in some very cold locations. It may need supplemental heat if the temperature remains below 10F for more than 7 days. The aeration system should be shut down during cold weather.

Do I need two Earth Tubs to compost? – If you are composting less than 50 pounds of food per day, a single Earth Tub will provide continuous composting by adding food on one side and removing compost from the opposite side when the unit is full.

East Coast Office
51 Stimpson Hill Rd Box 560
Whitingham, VT 05361
Tel 800.610.7291 Fax 802.368.7313

www.gmt-organic.com

West Coast Office
5350 McDonald Ave.
Bainbridge Island, WA 98110

National parks service SMMNRA
Thousand Oaks, CA

EARTH TUB™ DESCRIPTION OF OPERATIONS

Below is a summary of the 4 basic steps to the Operation of the Earth Tub.

1. An organic "recipe" (i.e., a mixture of food waste and wood chips) is loaded into the Earth Tub™ through the loading hatch in the lid.
2. The operator turns on the internal auger mixer, which thoroughly mixes and shreds the material as the operator rotates the lid.
3. Once the active composting cycle is complete (approximately 3-4 weeks), the auger discharges the compost through a side door of the vessel. In order to remove all the compost, shoveling will be required.
4. This compost can be used directly as mulch or can be cured (stand in a pile) for 30 days before being used as a soil amendment. Screening will make the finished product even finer!

1. Food Scrap Loading - The first step is to make sure that the kitchen waste is collected for composting with as little contamination from plastics, etc. as possible. Hard foods such as pineapples, stale loaves of bread, etc., should be chopped up prior to disposing in the Earth Tub™. Because food scraps are wet, a dry bulking agent such as wood shavings must be added to create a balanced compost recipe.

2. Mixing and Shredding
Once the new material has been added, you are ready to begin mixing. The powered auger system has been designed to take the work out of turning over your compost pile. The mixing process is accomplished by slowly turning the powered auger/lid assembly in a counter-clockwise direction for one complete rotation, then moving the auger to the center and rotating clockwise. A complete mix should take approximately 10 minutes, and should be performed at least two times per week.

3. The Active Composting "Baking" Phase
Thermophilic composting at temperatures above 115 F occurs rapidly in the insulated Tub. The food waste becomes soft or "baked" at this temperature and is easily shredded by the notched auger. Continue adding material until the tub is full to the top of the auger screw. When the Earth Tub™ has been loaded to its capacity, no additional food waste should be added for approximately 14 days. During this time, the operator should mix the material at least once per week.

4. Unloading and Curing the Compost
Once the compost has finished active composting, it is ready to be unloaded. The Earth Tub™ should not be completely emptied, a small amount of compost remains and serves as a bulking agent and microbial starter for the next cycle. Here is a list of the steps for unloading the Earth Tub.

- Place a tarp or low wheelbarrow on the ground below the outside of the two discharge doors.
- Turn on the auger and push the compost out of the side doors. This will remove about ½ of the compost. Shoveling will be required to completely empty the Earth Tub.
- The compost could be used directly as thin mulch on the surface of the soil.
- To cure the compost, it should be placed outside in a pile for approximately 30 days.
- The compost can be screened to produce a finer compost product and remove any course-bulking agent.

Earth Tub

Description
Earth Tub Videos
Frequently Asked Questions
Description of Operations
Articles
Documentation
Price Calculator
Product Support
Request More Info

Frequently Asked Questions

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Further Details

Earth Tub Sites around the World

Earth Tub Description of Operations

Earth Tub at Baldwin-Wallace College in Ohio

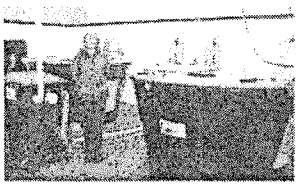
Earth Tub Price Calculator

Green Mountain Technologies Earth Tub Site

Earth Tub FAQ, Installation requirements, Quick Operating guide, Site list

Monks and Nuns Compost with Earth Tub using Solar Power

Master Composters took a field trip to Deer Park Monastery. The monastery, located on 400 acres in Escondido, not only uses solar panels for energy but also composts. With the use of an Earth Tub the monastery composts its leftover food scraps for their organic gardens. Master Composters received a tour of the grounds and was also invited to share lunch with the monks and nuns. For more information about Deer Park Monastery visit www.deerparkmonastery.org
Posted from Solana Center for Environmental Innovation



The University of Washington's educational analysis of compost and compost quality generated through on-site in-vessel food waste composting. Read the Report

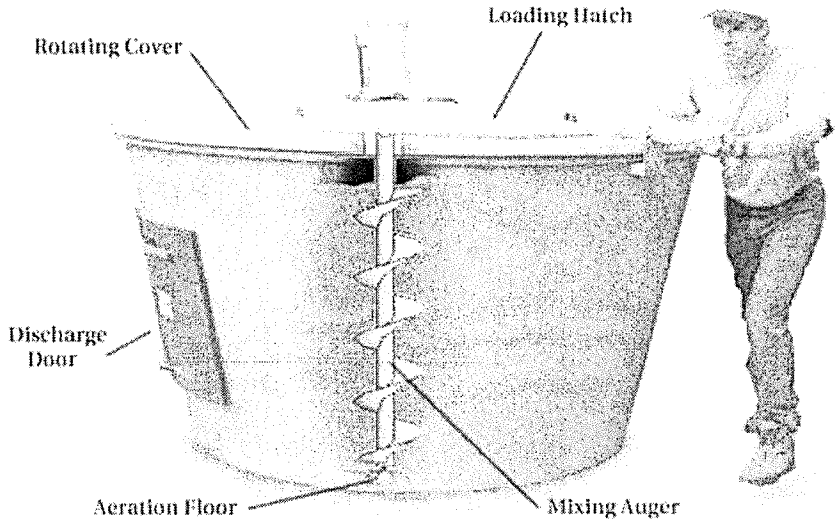
Working Together to bring you the best Technology for Permaculture and sustainability.

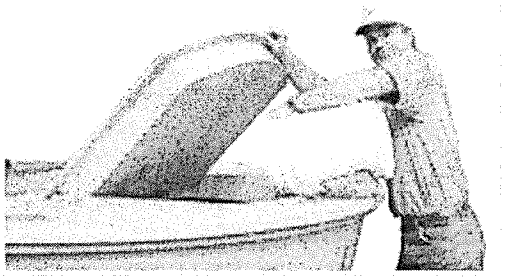
GREEN MOUNTAIN TECHNOLOGIES

Green Mountain Technologies is committed to delivering technology that keeps valuable organic nutrients where they belong- in our soils, and out of our rivers.

Compostec

Compostec represents Earth Tub from Green Mountain Technologies, for Ontario, Quebec and the Maritimes.





Specifications

Top Loading
Tub Vessel Height 48" Overall Height 68"
Overall Diameter 90"
Foam InsulationR-12
Shipping Weight 450 lbs
Volume 3 cubic yards
Mixing Auger 12" Diameter Stainless Steel
Auger Motor 3 Ph 2 hp 230/460V
Aeration Blower 80 CFM 100 watt
Power Usage~1080 KWH per year
Liquid Drain1" drain on biofilter
Processing Capacity 40-200 ppd*
** Pounds per day of biomass per Earth Tub.*

PRICE CALCULATOR

The Earth Tub Step by Step Instructions

(Green Mountain Technologies and University of Montana)

Green Mountain Technologies, Inc.

The Organic Recycling Company

Various Earth Tub Users

Earth Tub

KINGS BAY COMPANY
,

DEPARTMENT OF THE ENVIRONMENT/STANTEC INTERN
Belize City,

PT. AUSTINDO MITRA SARNA
Cilandak South Jakarata,

MONTEGO BAY
Montego Bay,

ST BARTS
St. Barts,

ABERDEEN FORWARD, LTD.
Dyce, Aberdeen AB21 7HG

MERCEDES-BENZ US INTERNATIONAL, INC.
Vance, AL 35490

TRI COUNTY SOLID WASTE
Fayetteville, AR 72017

WEST CAMPUS TECHNICAL CENTER
Fayetteville, AR 72701

LA CABANA
Oranjestad, Aruba

BERKELEY WORMS
Berkeley, CA 94720

ATHENIAN SCHOOL
Danville, CA 94506

DAVIS FOOD COOP
Davis, CA 95616

DEER PARK MONASTERY
Escondido, CA 92026

CHABOT-LAS POSITAS COMMUNITY COLLEGE
Hayward, CA 94545

THE VINEYARD INN
Kenwood , CA 95452

OUTDOOR EDUCATION PROGRAM, SMOE
La Honda, CA

UNIVERSITY OF CALIFORNIA SANTA CRUZ
Mountain View, CA

ROCHE PALO ALTO LLC
Palo Alto, CA 94304

HEARST SCHOOL
Pleasanton, CA 94566

CITY COLLEGE OF SAN FRANCISCO
San Francisco, CA

SAN FRANCISCO CITY COLLEGE
San Fransico, CA 94112

SAN LUIS OBISBO COUNTY
San Luis Obisbo, CA 93401

CIWMB
San Luis Obispo, CA 93401

CALIFORNIA GRAY BEARS
Santa Cruz, CA 95065

FOOD FOR THOUGHT
Sebastopol, CA

MOORE RECYCLING ASSOCIATES
Sonoma, CA 95476

CITY OF THOUSAND OAKS PUBLIC WORKS DEPT.
Thousand Oaks, CA 91362

NATIONAL PARK SERVICE, SANTA MONICA MNTS., NRA
Thousand Oaks, CA

IRELAND PRISON SERVICE
Harristown, Castlerea, CO Roscommon
Ireland

BOULDER COUNTY SHERIFFS JAIL
Boulder, CO 80301

COLORADO COLLEGE
Colorado Springs, CO 80905

FORT LEWIS COLLEGE
Durango, CO 81301

RAINBOW TRAIL LUTHERAN CAMP
Hillside, CO

KEYSTONE RESORT
Keystone, CO

PITKIN COUNTY
Snowmass, CO 81615

VAIL ASSOCIATES
Vail, CO

EAGLE SPRINGS GOLF CLUB
Wolcott, CO

CAMP JEWELL,YMCA/Donated Tubs to City of Middletown
Colebrook, CT

HENRY ABBOTT REGIONAL TECHNICAL HIGH SCHOOL
Danbury, CT 06811

FLANDERS ELEMENTARY SCHOOL
East Lyme, CT

GREENS FARM ACADEMY
Greens Farm, CT 06838

CT DEP RECYCLING
Hartford, CT

SOUTH EAST ELEMENTARY SCHOOL
Mansfield, CT

WESLYAN UNIVERSITY
Middletown, CT 06459

ST. GABRIEL SCHOOL
Milford, CT

CONNECTICUT COLLEGE
New London, CT 06320

MARTIN KELLOGG MIDDLE SCHOOL
Newington, CT

GREENCONE IRELAND, LTD
Rathfarnham, Dublin 14

SUMTER COUNTY
Bushnell, FL 33513

SKIP'S GARDEN, INC.
Ponce Inlet, FL

NEW COLLEGE OF SOUTH FLORIDA UNIVERSITY
Sarasota, FL

UNIVERSITY OF GEORGIA
Athens, GA

COUNTY OF KAUAI
Lihue, HI 96766

IOWA STATE UNIVERSITY
Ames, IA

MOSCOW FOOD CO-OP
Moscow, ID 83843

HYATT REGENCY McCORMICK
Chicago, IL

WESTERN ILLINOIS UNIVERSITY
Macomb, IL 61455

USDA-ARS/PEORIA
Peoria, IL 61615

YOUTH SERVICES OF ALLEN COUNTY
Fort Wayne, IN 46802

SISTERS OF ST. FRANCIS
Oldenburg, IN

VALPORAISO UNIVERSITY
Valporaiso, IN

ORTWEIN CONSTRUCTION
West Harrison, IN 47060

ROWE CAMP AND CONFERENCE CENTER
Rowe, MA

EARTH SHELL
Annapolis Junction, MD

USDA-ARS-BARC
Beltsville, MD

BOWDOIN COLLEGE
Brunswick, ME 04011

AM, SKI. CO
Carabasett, ME 04947

HARRASEEKET INN
Freeport, ME 04032

WOODS END RESEARCH LABORATORY, INC.
Mt. Vernon, ME 04352

MINNESOTA CORRECTIONAL FACILITY
St. Cloud, MN 56304-2424

UNIVERSITY OF MONTANA
Missoula, MT 59812

UNIVERSITY OF NORTH CAROLINA ASHVILLE
Ashville, NC

UNIVERSITY OF NORTH CAROLINA CHARLOTTE
Charlotte, NC 28223

CRYSTAL STEFANI
Durham, NC 27705

MOUNTAIN VIEW CORRECTIONAL INSTITUTE
Spruce Pine, NC 28777

APPALACHIAN MOUNTAIN CLUB
Gorham, NH 03581

ROCKYWORLD-DEEPHAVEN CAMPS, INC.
Holderness, NH 03245

SOUTH MEADOW SCHOOL
Peterborough, NH 03458

RAINBOW ENVIRONMENTAL PRODUCTS
Fairfield, NJ

TOWN OF ANNAPOLIS ROYAL
Annapolis Royal, NS

VILLAGE OF BELLPORT
Bellport, NY

COLUMBIA UNIVERSITY
Bronx, NY

YMCA CAMP CHINGACHGOOK
Kattskill Bay, NY 12844

BATTERY PARKS CITY PARKS CONSERVANCY
New York, NY 10280

THE VINEGAR FACTORY
New York City, NY

HURCO-JOMCO ASSOCIATES,LLC
Orchard Park, NY

OPEN ROAD
Queen, NY 11432

UNION COLLEGE
Schenectady, NY 12308

STATEN ISLAND ZOO
Staten Island, NY 10310

ROCKLAND COMMUNITY COLLEGE
Suffern, NY

RENSSALAER POLYTECH INSTITUTE
Troy, NY

YOUNGSTOWN STATE UNIVERSITY
Youngstown, OH 44555

HONDA OF CANADA MANUFACTURING
Alliston, ON

TOWNSHIP OF BURPEE AND MILLS
Evanson, ON

BANDON DUNES
Bandon, OR

CLACKAMAS COUNTY RECYCLING PARTNERSHIP
Clackamas, OR 97015

OREGON STATE UNIVERSITY
Corvallis, OR 97331

BREITENBUSH HOT SPRINGS
Detroit, OR 97342

CITY OF EUGENE
Eugene, OR

LANE COMMUNITY COLLEGE
Eugene, OR

NEWBERG SCHOOL DISTRICT/Physical Plant - Scott Wood
Newberg, OR 97132

OREGON ZOO
Portland, OR 97221

CREST CENTER
Wilsonville, OR 97070

UPENN
Philadelphia, PA 19104

UNIVERSITY OF SOUTH CAROLINA
Columbia, SC

WINTHROP UNIVERSITY
Rock Hill, SC 29733

XANTERRA PARKS & RESORTS, SD
Keystone, SD 57751

SASKATCHEWAN PROPERTY MANAGEMENT
Regina, SK

PARROT-CAY
Providenciales, Turks and Caicos Island BWI

DISCOVERY GREEN CONSERVANCY
Houston, TX 77010

RICE UNIVERSITY
Houston, TX

TEXAS A&M UNIVERSITY
Kleberg Center, TX

ZION LODGE
Springdale, UT 84767

JOHNS MANVILLE
Edinburg, VA

WASHINGTON AND LEE UNIVERSITY
Lexington, VA 24450

OAK GROVE SCHOOL
Brattleboro, VT 05301

GREEN MOUNTAIN COLLEGE
Poultney, VT 05764

STATE OF VERMONT AGENCY OF NATURAL RESOURCES
Waterbury, VT

ISLAND WOOD
Bainbridge Island, WA 98110

CRESTWOOD ELEMENTARY
Covington, WA 98042

NORTH CASCADES LEARNING CENTER
Diablo Lake, WA 98283

RIDGE GARDEN
Edgewood, WA 98372

BASTYR UNIVERSITY
Kenmore, WA 98028-4966

WA DEPT OF ECOLOGY
Lacey, WA 98503

SLEEPING LADY
Leavenworth, WA 98826

THURSTON COUNTY SOLID WASTE
Olympia, WA 98502

BERNIE & BOYS MARKET
White Center, WA 98168

WILLOWS LODGE
Woodenville, WA 98072

NORTHLAND COLLEGE
Ashland, WI 54806

COMMUNITY ACTION COALITION
Madison, WI 53704

WILLY STREET CO-OP
Madison, WI

JACKSON LAKE LODGE
Moran, WY 83013

http://www.csuci.edu/ira/index.htm

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year
DEADLINE: Fall and Academic Year 3/31/11
Spring 2012 deadline is 10/31/11

Applications must first be sent to the appropriate program chair. Chairs will then recommend and route them to the Dean's Office for review and authorization. The Dean's Office will then forward them to the IRA Committee for consideration.

Activity Title:
Project Sponsor/Staff (Name/Phone):
Activity/Event Date(s): Fall 2011
Date Funding Needed By: Fall 2011
***Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2011 and for Spring Requests early January 2012.*

Please check if any of the following apply to your IRA:

- ☒ Equipment Purchase
- ☒ Event
- ☐ IT Requirements
- ☐ International Travel
- ☐ Space/OPC Requirements
- ☐ Infrastructure/Remodel
- ☐ Other _____
- ☐ Field Trip
- ☒ Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter
- ☐ Risk Management Consultation
- ☐ Late Submission

Previously Funded: ☐YES ☒NO Yes, Request # _____

Does your proposal require IRB (Institutional Review Board) approval: ☐Yes ☒No

Assessment submitted for previously Funded Activity: ☐YES ☒NO

Academic Program or Center Name and Budget Code: 767

Date of Submission: Wednesday, March 30, 2011

Amount Requested: Scenario 1 = $1,200; or Scenario 2 = $1,000; or Scenario 3 = $2,200 (Should match item 2. E. on page 4)

Estimated Number of Students Participating: 20 (expected to grow over the course of the 2011-2012 academic year)

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year

Requirements and Signatures

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.

This activity would be considered the first composting project in the history of California State University Channel Islands. One of the four strategic initiatives as part of the 2008-2013 CSU Channel Islands Strategic Plan is Environmental Sustainability; this project will be the first student-involved, campus-wide effort in working toward becoming more environmentally sustainable. The campus has done/made great efforts in providing compostable plates, cups, and utensils in the Student Union, Freudian Sip, and Islands Café, but nothing has been done to divert green waste from entering the trash bins that are provided throughout campus. Having the right type of waste bins and on-campus composter(s) is necessary for ensuring we are disposing of our green waste properly. Not only will this composting program divert a substantial amount of green waste from entering a landfill, it will greatly reduce the amount of trash that is being picked up by University maintenance staff. It is hoped that this composting project will be as successful as, if not more than, the University's current recycling program.

A non-scientific assessment was conducted during the spring 2011 semester to measure the amount of coffee grounds (located within kitchens or break rooms on campus) being thrown away each day. It was concluded that an estimated 25 pounds (at least) of coffee grinds per day are being thrown away in trash receptacles. This is equal to 125 pounds per week, and 500 pounds per month. If we can divert this coffee ground waste into our composting system along with other compostable food scraps thrown away by the campus community, we would greatly decrease the amount of "trash" being collected throughout campus. Signage will also be used near or on the compost bins to make the process clear for those who might not understand how composting works, or how the campus would benefit from composting.

Since this effort will be campus-wide, it will affect and require participation from all departments and entities on campus. This project will greatly encourage the participation from faculty, staff, and students. This project will lead to a greater (campus) bond between students of different majors, and faculty and staff from different departments on campus. There will also be educational opportunities for lecturers and students who will be able to conduct research from this composting project. It was originally decided that one of the options for this project would be to include an outside vendor, but considering environmental sustainability is of high importance to our campus, including an outside vendor for the distribution of this compost would not be beneficial in promoting sustainability.

In order to ensure student participation is ongoing, composting curriculum will be integrated into the courses listed above in question number 2. The way composting is taught in each class will be up to the individual instructors discretion. The higher the course number (ESRM 499 Capstone, for example), the more involved and intense the education and student involvement will be. In classes such as ESRM 100 where community service hours are required, the upkeep of composting would be beneficial to these students.

The most obvious way to assess if this program is attaining its goals, is to check on the chosen composting project as often as possible (2-3 times per month) and ensure it is properly taken care of as well as speak with instructors who include composting in their curriculum. The CSU Channel Islands Green Generation Club President, currently Cameron Demeranville, will take on this responsibility as part of his presidential duties. Each president thereafter will also assume this responsibility so long as the Green Cones or composters remain intact and the Green Generation Club is a recognized club on campus. In addition, general members of the Green Generation Club will be welcomed to assist in volunteering for and/or monitoring the project. Instructors would also be encouraged to partake in the monitoring of the chosen scenario to ensure educational goals are being attained.

The educational goals will be measured and assessed based on the reports the Green Generation Club gathers from monitoring the project and speaking with instructors.

4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)

Scenario 1: The Green Cone
Green Cone Solar Digester = $139.00 - $150.00 x1
Appx. Total Cost of Scenario 2 = $150 x appx. 8 Green Cones = $1,200
*This scenario (along with the materials purchased with the Greenovation Fund grant) will benefit the entire campus community, and the on-campus community garden and future ESRM greenhouse. These Green Cones can be placed within the parameters of the community garden to provide sufficient nutrients for the edible plants and herbs. Depending on how large the community garden is, several Green Cones would need to be purchased.

Scenario 2: Vermicomposting and/or Classic Composting
Indoor/outdoor vermicomposting/classic composting composters = $70-$100 x1
Red Wiggler Worms = $25 x1lb
Appx. Total Cost of Scenario 3 = $100 x 8 composters + $200 worms = $1,000
*This scenario (also along with the materials purchased with the Greenovation Fund grant) will also benefit the entire campus community, and the on-campus community garden and future ESRM greenhouse. The indoor/outdoor vermicomposting/classic composting composters will be placed in the most heavily trafficked areas on campus to ensure that those places on campus that produce the largest amounts of green waste will be provided with a green waste receptacle. It will also allow for students to learn the difference between trash and green waste with the use of educational signage.

E. Equipment Rental — Not Applicable

F. Equipment Purchase — Scenario 1 = $1,200; Scenario 2 = $800; Scenario 3 = $2,000

G. Contracts/Independent Contractors — Not Applicable

H. Honorarium — Not Applicable

I. OPC Chargeback — Not Applicable

J. Copier Chargeback — Not Applicable

K. Other (Please Specify) —

TOTAL Expenses — Scenario 1 = $1,200; Scenario 2 = $1,000; Scenario 3 = $2,200

2. Revenue

A. Course Fees — Not Applicable

B. Ticket Sales — Not Applicable

C. Out of Pocket Student Fees (exclusive of course fees) — Not Applicable

D. Additional Sources of funding (Please specify And indicate source) — Not Applicable

Total Revenue — Not Applicable

E. **Total Requested from IRA** or Scenario 3 = $2,200 — Scenario 1 = $1,200; or Scenario 2 = $1,000;

Instructionally Related Activities Funds (IRA)
2011-2012 Academic Year

Budget Request & Program Set-Up

Date: 6/27/11

To: Budget Office

From: Mary Devins

Subject: IRA Proposal #427 Campus Composting Project

IRA Approved Campus contact: Linda O'Hirok
Faculty Support Coordinator: Mary Devins

Program Set-Up	
Name of Program (limit to 30 characters)	Campus Composting Project

IRA Funding Source				
Account	**Fund**	**Dept**	**Program**	**Monetary Amount**
660003	TK910	767	90368	$2200

Fiscal Year for Budgeting and Spending:	2011-2012

***** Program codes will become inactive at the end of the Budgeted/Spending Fiscal Year *****

Mary Devins 6/27/11
IRA Committee Representative **Date**

Tracy Cole 7/27/11
Budget Department **Date**

Applications for Approval Signed by University President or Representative Provost/Dean.
Please return copy of completed/signed form to Mary Devins, Academic Affairs.

Budget Office Use

Program Set-Up:	CFS Chartfield	✓	Notification	✓	Hyperion Set-Up	✓
Budget Set-Up:	Budget Journal Entry		Journal Entry #		Completed Date	