

## GREEN FUND PROJECT OVERVIEWS

### **June 2008 – Green Fund approved by trustees**

### **March 2009 - 9 projects approved, totaling \$73,598 in grants**

- Purchase of 20 additional trash/recycling containers - \$12,250
  - Will help reduce landfill waste and related costs
  - Will increase recycling efforts and funding received
  - Will reduce SRU's carbon footprint and improve the appearance of campus grounds
- Electric meters for Spotts World Culture Building, Eisenberg Classroom Building - \$15,000
  - Will help us document energy usage patterns, analyze energy conservation opportunities, and help evaluate how successful energy retrofit projects have been.
- Campus Clean-Up Day, March 28 - \$350
  - Clean Up Day, planned just before the annual Kaleidoscope arts festival, and will improve the appearance of the campus, increase awareness of volunteers regarding how much litter accumulates on campus.
  - Volunteers divide the litter into recyclables, compostable items, and trash – reducing our landfill waste.
- An "I Ride the Bus" project - \$20,000
  - 50% matching grant to upgrade the S.G.A. shuttle bus service, adding a computer GPS tracking system allowing riders to use cell phones to track where a bus is and its estimated time of arrival. The system also automatically counts riders.
  - Makes riding the bus easier, increasing ridership and thus reducing the carbon footprint compared to individuals driving personal vehicles.
- Expansion of the Green Bike Initiative Student Outreach, Cycling Infrastructure and Practical Art project - \$5,748
  - Included the purchase of 10 bike racks and the creation of 5 bike racks by SRU students, who used recycled material as campus sculptures.
  - Supports sustainable transportation and education.
- Power Shift 2009 Conference attendance support - \$650
  - Supported 9 students attending a sustainability conference, repaying \$650 of the total cost of \$1,800.
- Renovations to Harmony House - \$8,600
- Purchase of a recycling baler - \$5,500
- Construction of an SRU Disc Golf Course - \$5,000

### **January 2010 – 5 projects approved, totaling \$19,500 in grants**

- Occupancy sensors for classrooms and electric meters - \$11,600
- Biofuels processor - \$6,900
  - Processor converts used cooking oil from Weisnfluh and Boozel Dining Halls to create biofuel that is mixed with diesel fuel for use in the campus grounds equipment such as tractors and lawnmowers.
  - CO2 emissions are reduced by 17.32 pounds for every gallon of "biodiesel" used, and could save up to \$1,200 per year in fuel costs.

- Sustainability Across the Curriculum Program - \$4,150
  - Funded faculty participation in an Association for the Advancement of Sustainability in Higher Education workshop aimed at teaching how to build sustainability components into classes.
- Sustainability Educational Programming for Students - \$3,085
  - Funded local/regional speakers on topics such as energy efficiency, green building design, and green community development
- Campus screening of the documentary “Food Inc.” - \$521
  - Included airing the film which drew 300 attendees, plus a panel discussion on the advantages of buying locally grown food involving local organic farmers, restaurateurs, students and faculty.

**May 2010 – 5 projects approved, totaling \$29,286**

- Physical Therapy Building Electric Meter Project - \$9,390
  - Will help us document energy usage patterns, analyze energy conservation opportunities at the PT building and help evaluate how successful energy retrofit projects have been.
- Lighting Control System at N. Kerr Thompson Stadium
  - Will help reduce lighting energy use, saving approximately \$600/year (at \$14.91 per hour that the lighting system is used), and reducing our carbon footprint.
- Swope Music Hall Electric Meter Project - \$4,170
  - Will help us document energy usage patterns, analyze energy conservation opportunities at the Swope Music Hall and help evaluate how successful energy retrofit projects have been.
- Purchase of Second Cardboard Recycling Baler - \$8,135
  - Reduces landfill waste and generates income for baled recycled cardboard, rather than paying to have it hauled away.
- Purchase of Solar-Powered Tire Pressure Monitoring and Inflation Station at Macoskey Center - \$1,801
  - Helps educate the public about the importance of monitoring and maintaining proper tire pressure to improve vehicle fuel mileage.
  - Demonstrates use of renewable energy system.

**April 2011 – 9 projects approved, totaling \$34,622 in grants**

- “Greener Campus” tree-planting project - \$5,214
- Wind-powered Lake Aeration System - \$2,814
  - Uses renewable wind energy to oxygenate a retention pond on campus to inhibit the growth of harmful algae.
  - Educates people about the importance of good water quality.
- Water Bottle Filling Stations at the ARC, Advanced Science & Technology Hall, and Spotts World Culture Building - \$4,000
  - Reduces the number of plastic bottles and cans used/disposed of on campus, reducing SRU’s carbon footprint and protecting the environment.
- “Green Chemistry Symposium” - \$1,004
  - Supported a workshop on enhancing awareness of green chemistry capabilities in developing safer solvents and increasing energy efficiency.

- Four Electric Meter Projects - \$20,690
  - Will help us document energy usage patterns, analyze energy conservation opportunities at Caruth Rizza Hall, Art Building I, Old Main, and Patterson Hall, and help evaluate how successful energy retrofit projects have been.

**April 2012 – 4 projects approved, totaling \$39,590**

- Energy dashboard Displays at Residence Halls A through F - \$20,000
  - Will aid in educating students on how their behavior can affect energy usage and related environmental emissions.
  - Will save an estimated \$1.5 million over the next ten years, reducing SRU's carbon footprint and making the campus community more environmentally conscious.
- Electric Meter installations at the University Union, Maltby, and East/West Gym buildings - \$13,200
  - Will help us document energy usage patterns, analyze energy conservation opportunities at each building, and help evaluate how successful energy retrofit projects have been.
- "Harnessing Human Energy" Project - \$13,500
  - Funds the conversion of 13 elliptical machines at the ARC with technology that allows for the carbon-free generation of electricity produced from the kinetic energy of those using the machines.
  - Includes educational material developed to inform users as to how much carbon-free electricity is being generated and the environmental implications of their contributions.
- "2012 Campus Conversation on Climate Change and Regional Policy: An Exercise in Deliberative Democracy" - \$1,690
  - Designed to include approximately 150 participants in "conversation" groups, similar to focus groups, in which the awareness and understanding of climate change is raised and fosters a sense of commitment to civic engagement and public policy.
- Green Roof Bus Structure
  - Demonstrates the use and benefits of green roofs by constructing a bus shelter with educational signage and a green roof in a prominent location on campus.
- "Green Dorm Room" project for Residence Life - \$1,479
  - Will make incoming students aware of SRU's dedication to sustainability by displaying a model dorm room that promotes eco-friendly products and behaviors. This project furthers the integration of sustainability into the first year experience.
- "Residence Hall Bottle Filling Stations" - \$10,475
  - The goal of this project is to decrease the number of water bottles that are utilized by on-campus students through making filling stations available and conveniently located. The number of bottles saved will be measured via the built in counter.
- "Green Fund Benches" - \$3,668
  - The goal of this project is to replace the existing lumber on the benches with plastic lumber while still using the original frame. This will cut down on materials that are disposed of as well as introduce a more sustainable solution as a replacement.
- "Old Main/McKay/Morrow Field House Bottle Filling Stations" - \$3,000
  - Will help measure the effectiveness of utilizing water bottle filling stations and to determine the impact on campus recycling.

**Nov. 2012 – Two projects totaling \$3,531**

- Residence Hall Terracycling - \$1,050

- This program will use signage above each recycling bin (located on each floor of all Residence Halls) that informs Residence Hall students about the TerraCycle program and what “new” products can now be recycled by returning them directly to participating manufacturers. The program and its benefits will be further explained on the SRU Sustainability website and through staffing a table during Earth Week.
- Attendance for the Advancement of Sustainability in Higher Education Conference
  - To attend the Association for the Advancement of Sustainability in Higher Education conference, hosted in Nashville, Tennessee, October 6-9, 2013. Themed “Resiliency & Adaptation,” this conference will allow the project director to establish connections between the Professional Writing classroom and campus sustainability efforts.

**April 2013 – Two grants**

- Energy dashboards for North and Rhoads residence halls.

**November 2013 – Two grants totaling \$2,200**

- Green Bike Repairs - \$1,000
  - The project goal is to return existing Green Bike Initiative bicycles to clean working order by April 2014. The project goal meets the Green Fund’s vision and mission statement because it will, by encouraging bike riding, directly benefit students and their wellbeing, and will reduce environmental pollution caused by students driving & parking cars on campus.
- Dero Fixit Bike Station - \$1,200
  - The goal of the Fixit Bike Repair Station is to provide a place where students, faculty, staff and visitors can repair their bicycles on campus. This project promotes the Green Fund’s vision statement by encouraging individuals to ride bicycles to and on campus; therefore promoting a sustainable environment by decreasing automobile use and carbon dioxide emissions. In addition. The repair station also works to improve social equity by providing the repair station to all students who are interested.