

Archived Projects: 2010-2014

2010 Projects

Energy Competition Project

Students engaged two metered residence halls in an energy conservation competition. Students were informed about the competition and worked to be extra conscious in turning off lights, devices, and appliances when not in use.

Approval date: November 16th, 2010

Approved budget: \$1,500

2011 Projects

Sustainable Landscape Maintenance Project

The Sustainable Landscape Maintenance Project designated several campus lawn and rock mulch areas as sustainable landscape maintenance areas, which are maintained using the best organic, non-toxic practices available.

Approval date: January 19th, 2011

Approved budget: \$26,952

SSLUG Garden

This project funds student intern pay and the operational costs of the SSLUG garden on south campus.

Approval date: February 14th, 2011

Approved budget: \$14,500

Water Bottle Refill Stations



Net Impact, a student organization that promotes sustainable business practices, installed four water bottle refill stations on campus, and distributed reusable water bottles around campus. Recent research suggests that retrofitting the drinking fountains reduces waste, saves water, and helps the university meet its campus sustainability goals of reducing its carbon footprint and becoming carbon neutral by 2020.

Approval date: February 14th, 2011
Approved budget: \$6,185.36

NAU Recycling



Student organizers worked closely with building managers, administrators, capital assets, and students to implement a campus-wide recycling project.

Approval date: February 14th, 2011
Approved budget: \$20,125.79

WACBAT Interns

The Green Fund provided funding for four Weatherization and Community Building Action Team (WACBAT) student interns.

Approval date: August 29th, 2011
Approved budget: \$12,800

Velo Composting



Velo Composting uses bicycles to collect and transport organic matter for composting in campus gardens. This project collaborates with SSLUG, the student organization that manages the garden behind the SBS West building. VeloComposting reduces waste and carbon emissions, builds soil for sustainable food production, and actively engages students in community and sustainable work.

Approval date: February 17th, 2012

Approved budget: \$7,273.11

NORESCO Energy Conservation Through Behavior Change (ECTBC)



NORESCO ECTBC and the Human Behavior Energy Audit (HBEA) is an exploratory field research process that identifies and assesses current levels of energy-related human characteristics. Using a combination of organizational archival data, HBEA interviews, focus groups, and survey results, the audit identifies specific behaviors that have a significant impact on the environment and/or the organization's energy costs, and that presents the greatest opportunity for change.

Approval date: November 18th, 2011

Approved budget: \$32,000

Bike Powered Charging Station

Students designed, constructed, and installed a bicycle-powered charging station to demonstrate the capabilities of a human-powered renewable energy system. The system generates electricity when a student pedals the bicycle, which allows the student to charge an electronic device with a charger provided at the station. This provides students with an opportunity to understand and compare the amount of energy required to power an electronic device like a cell phone with the amount of energy they are able to produce pedaling a bicycle.

Approval date: November 18th, 2011

Approved budget: \$2,900

Free Compliments



Student ambassadors in the Office of Sustainability gave out “Free Compliments” on campus. This project helps increase awareness about sustainability initiatives and builds support for future sustainability efforts

Approval date: November 18th, 2011
Approved budget: \$460

2012 Projects

Local FARE Composting Program

Local FARE (Fostering Agricultural Research and Enterprise) researched large-scale composting at Northern Arizona University with the goal of developing an informed plan for continued implementation of complete and comprehensive composting of food waste on campus.

Approval date: February 17th, 2012
Approved budget: \$8,363

Dyson Airblades

Students in Reilly Hall’s freshman learning community Eco House proposed the installation of Dyson Airblade hand dryers in order to reduce the hall’s environmental impact and use fewer paper towels.

Approval date: March 23rd, 2012
Approved budget: \$11,850

Dry-Erase Markers

Funded by the Green Fund, the Auspen Dry-Erase Marker Project is an endeavor to place re-useable dry-erase markers in our classrooms and labs. As it stands now, Franke College of Business and Adel Mathematics have participated in this trial-run to test the feasibility of the markers. Both departments expressed an overall positive outlook on their experiences and are considering the switch from their stock of single-use dry-erase markers to the Auspen re-usable ones. We hope to get more colleges involved moving forward!

Approval date: October 19th, 2012

Approved budget: \$500

Bicycle Hub

The NAU Bike Hub is a welcoming work-space that provides free service, the free use of tools and space, and a small supply of affordable spare parts and accessories to NAU students. The space acts as a vector for connecting bicycle-related activities and groups on campus, such as the common student cyclist, the NAU Cycling Club and Team, Tri-Jacks, the Yellow Bike Program, NAU Outdoors' bicycle related courses, and Velo-Composting. By connecting these people and organizations, cycling as a form of transportation, health, and recreation will be more highly promoted on campus.

Approval date: November 15th, 2012

Approved budget: \$19,250

Hotel & Restaurant Management Net-Impact Re-Fill Stations #2



Proposal submitted by Net Impact requesting funding for three new water bottle re-fill stations within the HRM building and the Wettaw building.

Approval date: October 19th, 2012

Approved budget: \$6,626

Hotel & Restaurant Management WindowFarm



Student proposal requesting funds to purchase a WindowFarm food growing unit for a class within the Hotel and Restaurant Management building to help promote sustainable practices and utilizing local food sources within the field of HRM.

Approval date: October 19th, 2012

Approved budget: \$2,536

2013 Projects

Wind Turbine

The project was for materials to build a wind turbine on campus which can be found outside of the Hotel and Restaurant Management building.

Approval date: April 15th, 2013

Approved budget: \$61,037

Biomass Feasibility

This project is a study that will examine the costs and benefits of establishing a biomass energy facility designed to meet some or all of the south campus energy requirements. Biomass energy production involves woody waste to generate energy by either burning the material directly or burning gas derived from the material.

Approval date: April 15th, 2013

Approved budget: \$10,000

SSLUG Rainwater Harvest Cistern

AQWQ (Action Group for Water Advocacy), a student organization that promotes water conservation on campus, designed a rainwater catchment system to provide irrigation to the SSLUG garden (located behind the SBS West building).

Approval date: November 22nd, 2013
Approved budget: \$4,619.24

2014 Projects

Solar Hot Air Heaters



Property surplus is outfitted with six solar powered hot air heaters. This technology supplements the traditional natural gas system within the building. This project lowers our CO₂ emissions by 3 tons a year and tests a renewable heating option for the campus.

Approval date: November 25th, 2014
Approved budget: \$10,352

Eco-Reps



The Housing and Residence Life program have paid Eco-Reps providing peer-to-peer education on how to live more sustainable in NAU residential communities. Eco-Reps serve as public role models and resources for their community. They assist students in becoming aware of their everyday lifestyle choices and increasing their understanding of the effects an individual can have on the environment, specifically in their residence.

Approval date: March 5th, 2014

Approved budget: \$24,085

Greening SI

The supplemental instruction program is reducing the amount of copies used by SI leaders each semester by providing projectors and examples of paperless activities that will allow the SI leaders to share information with students digitally during their SI sessions.

Approval date: March 5th, 2014

Approved budget: \$8,689

International Pavilion



The Global Peace and Tolerance garden is a branch of the International Pavilion project at campus heights. This project collaborates with the Center for International Education and Facility Services to create a communal space for students of all nationalities to share ideas and cross cultural barriers. The project works to engage students in the community, encourage sustainable practices, and promotes intercultural understanding. The garden will contain educational signage to inform visitors of the importance of sustainability on a global scale. This project is aligned with NAU's carbon neutrality goals due to its sustainable infrastructure and watering system.

Approval date: December 17th, 2014

Approved budget: \$157,705

Weigh Scales

The Green NAU Energy Initiative installed on-board, front-load scales to be fitted on four City of Flagstaff trucks to enable NAU to quantify solid waste and recycling generated on campus. Being able to quantify solid waste and recycling will help the campus greatly improve our ability to design better waste reduction programs.

Approval date: April 2nd, 2014

Approved budget: \$78,771

Oil Refinery



Facility Service's Transportation purchased containers and pumps to implement a recycling motor oil program. With the help of the Green Fund, they purchased the needed infrastructure to begin recycling most of their viscosity grades of oil. This project requires less oil to be extracted, transported, and thrown away.

Approval date: February 5th, 2014
Approved budget: \$3,500

Centralized Irrigation Project

This project funds the installation of a centralized irrigation control system. This new technology is used to conserve water used for campus landscaping by monitoring content of soil to prevent overwatering. The use of this irrigation system makes landscaping maintenance on campus more water efficient by using approximately 30% less water.

Approval date: December 12th, 2014
Approved budget: \$53,626