

Project Application

Green Fund Mission Statement: “The NAU Green Fund promotes student participation in and provides funding for projects that reduce NAU’s negative impact on the environment and create a culture of sustainability on-campus.”

Requirements for Funding:

- The project must be implemented on campus.
- The person submitting the project must be a NAU student, faculty, or staff member.
- Projects must provide all necessary documents, letters of support, and authorizations prior to submission.
- The Green Fund distributes funding on a **reimbursement basis**. Project teams should partner with an administrative office to provide upfront funding for the project. Once the project has been successfully completed, the Green Fund will reimburse the administrative partner.
- All project applications should be submitted to greenfund@nau.edu for review.

Disclaimer: All applications will go through a comprehensive vetting process. We highly recommend meeting with a Green Fund Committee member prior to submitting the application. The Green Fund Committee member will assist you with every step of writing your project application. If your project is approved, you may be asked to provide more detailed information regarding specific deliverables. The Green Fund is not responsible for acquiring the necessary permits, permissions, or approvals for a project, although we are happy to assist with this process if needed. Additionally, the Green Fund does not provide any ongoing maintenance costs. A sponsoring department must take responsibility for operations and management.

Review Process: Upon project application submission, the Green Fund will review your project within two weeks. At this time, the Green Fund will provide comments on the project. Incomplete applications will not be reviewed until all components are submitted. **Note:** The Green Fund Committee only meets during the academic year. All projects submitted outside of the regular academic year will be reviewed at the start of the next academic session.

Contact Information

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Sponsoring Department: **Landscape and Outdoor Services
Department**

Project name: **Compost - BLUELINE Grizzly
Screen**

NAU Department/Unit for funding reimbursements (Attach letter of commitment from
departmental

representative): **Landscape and Outdoor Services
Department**

Project Overview

Executive Summary Please provide a brief overview of your proposal. Please address how this project will support the goals of the Green Fund (student involvement, creating a culture of sustainability, and lessening NAU's impact):

NAU's composting facility processes over 4000 cubic yards/year of compost. This material is acquired from both dining halls on campus, yard trimmings from the grounds department, and yard trimmings from the city of Flagstaff. These materials are processed with manure and wood chips in order to produce high quality, usable compost. This program has achieved all of this without any specialized composting equipment, and much of its success is owed to Howard Coldwell's passion and hard work. All of the materials composted would otherwise be put in a landfill.

This project involves the purchase of a BLUELINE GRIZZLY screen to be used to screen out large pieces of material before composting. This screen would replace the current screen that is falling apart and needs to be welded every few weeks. Screening is a necessary part of the compost process as the material would otherwise not breakdown within a reasonable time frame. The new

screen includes two different screening sizes to improve the operation of the composting process, contributing to the production of better quality compost.

Please answer the following questions detailing the components of your project:

1. Does your project require space or construction on campus? If so, where? Please review the "Space Committee Document" located on our webpage and follow the steps to begin requesting a location.

a. No

2. Have you obtained all necessary approvals for this project? Please attach all letters of support to this

application. Letters of support should include confirmation from the sponsoring department that the sponsoring department will cover all upfront expenses and work with the Green Fund Business Manager to acquire reimbursement after project completion. If any ongoing operations and maintenance is required of your project, provide a letter of support from the entity that will be covering those costs and/or services.

a. Yes, letter of support attached

3. Will this project provide funding for student wages?

a. No

4. Please list all additional sources of funding you have pursued. Include departments, grants, ASNAU,

Graduate Student Government, etc.

a. N/A

5. Have any of the Green Fund Committee members been involved in this project?

a. If Yes, please identify all committee members:

i. James Owen
Murphy

Project Specifics

Please address the following questions. One or more of these questions may not apply to your particular application. Answer as many questions as are applicable to your project.

Relationship to NAU Climate Action Plan (CAP)

1. How does your project align with one of the seven CAP categories (Energy, Water, Transportation, Waste Minimization, Sustainable Landscaping, Environmental Justice, Communication)?
 - a. This project aligns with Waste Minimization and Sustainable Landscaping. This project supports the diversion of waste from landfills while providing sustainable sourced soil for the NAU Grounds/ Landscape and Outdoor Services Department and all other outside purchasers.

Community

2. Is there a public outreach plan? How will faculty, staff, and students learn about this?
 - a. The new screen can be incorporated into the existing marketing material for compost.
3. Are you working with other groups on or off campus? If so, describe your partnership.
 - a. Other than the screen manufacturer, no.

Project Parameters

4. What are the environmental costs and benefits associated with your project?
 - a. According to [EPA's WARM](#) model, the net carbon emissions from composting one wet

short ton

of mixed organics and applying it to agricultural soil is -0.14 MTCO₂e. By composting approximately 175 short tons of compost per year, the compost operation stores an estimated 23.8 MTCO₂. This project will support the continuation of these emission reductions and landfill diversion.

The EPA's WARM model includes the GHG emissions associated with collection, transportation, and mechanical turning of compost (as well as other non-CO₂ emissions associated). The environmental aspects not included in the estimated net carbon emissions listed above would be in the manufacturing of the screen, the emissions of equipment used during construction/installation, and the end of life of the equipment.

5. Provide an economic cost/benefit analysis for your project. Focus on identifying specific cost savings.

a. The compost program reduces the school's expenses on both landscaping costs and tipping fees.

6. Is this a one-time expense or will you require future funding?

a. For Green Fund, this is a one time expense. The Grounds/ Landscape and Outdoor Services

Department has agreed to cover the operational expenses of this project.

7. When your project members no longer attend NAU, who will be responsible for running the project?

a. Once the screen has been purchased, the Grounds/ Landscape and Outdoor Services Department

will oversee operation and maintenance costs.

8. How will you monitor the impact of your project after implementation?

a. The best source of data for this project is in sales revenue as this is already accurately tracked.

Additionally, I will get feedback from those that will use this screen regularly to see

how it is performing.

Project Budget

Please include a thorough breakdown of all project costs, **as well as a 5% line item for contingency.**

Composting Screen Project

Item Price Quantity Total

One 3-4 YD 8" minus fixed bar BLUELINE Dynamic Dampening Rock Grizzly \$13,025.00 1
\$13,025.00

One 2" minus Shift Deck Dynamic Dampening Deck Reducer \$4,150.00 1 \$4,150.00

One 3/4" high wear screen overlay frame \$3,650.00 1 \$3,650.00

Delivery \$400.00 1 \$400.00

Tax (9.35%) \$1,947.14

5% contingency \$1,158.61

Total Compost Screen Cost \$24,330.75

Project Timeline

The timeline should include significant implementation dates for your project. Please add information such as shipping time and consider any holidays or breaks.

Composting Screen

Project

Action Parties Involved Month/Year

Purchase Screen Landscape and Outdoor Services March 2019

Ship + Receive Screen Landscape and Outdoor Services April 2019

Reimburse Grounds Green Fund April 2019

Project Checklist

Please ensure you have completed all of the following items before submitting your application:

Meet with a Green Fund Committee member Obtain all necessary letters of support (sponsoring department, ongoing maintenance, etc.) Project Overview Project Specifics Project Budget Project Timeline Complete Project Checklist

Thank you for your submission. We deeply appreciate your commitment to sustainability at NAU, and we look forward to working with you.