Amount Requested

$13,000

Proposal Summary

The goal of this proposal is to buy an industrial size glass pulverizer so that UAF can use recycled glass in different applications. Applications such as traction control during the winter, concrete aggregate and fill.

Goal of glass crusher:
1) Use for sanding roads during winter to reduce purchases gravel
2) Use for landscaping and horticulture department (eco sand)
3) Use for art department and research
4) Other produces such as jewelry, fish tank

Technical Advisors and Collaborators

Darrin “Bear” Edson- Facilities Services Operations Division

Budget Detail

10,000 for Glass Pulverizer
3,000 for Shipping

Budget Justification

A new glass pulverizer can be purchased in Seattle and shipped to Fairbanks. This is the current market price of such a product.

Project Value

Glass recycling just started in December with UAF collecting over 9000 pounds. The monthly quantity of glass may increase. It is hard to predict the anticipated amount because additional recycling collection sites are currently being put in at schools, private sites owned by Alaska waste and FNSB transfer stations. Additionally, K&K Recycling Inc is providing at a minimal cost, dumpster and pick up from businesses such as Design Alaska. UAF will most probably see great fluctuations as the community wide program expands. With this crusher UAF would have capabilities in-house to turn this glass into products to be used at the University.

Glass could be turned into:

- Aggregate for use in concrete
- Fill material
- Traction control
- Decorative landscaping
- Horticulture

Implementation Plan

Once funding is secured, I will work with Facilities Services to insure that equipment is purchased and time-line is developed for using materials. I will also help identify list of interested users of ground class and monitoring success of program.
Qualifications & Experience

I work at the Office of Sustainability as a student worker and am the project leader for this project. I am on the Chancellors list and active in two student organizations; SIFE and SWEET. With support from Facilities Services this proposal can be implemented in a timely fashion.

Group/Department

Sustainability Area

Waste Management

Supporting Documentation (if provided) follows: