



Vice President for Campus Planning, Infrastructure, and Facilities
230 Sterrett Dr., Suite 112 (0127)
Blacksburg, Virginia 24061

STUDENT ORGANIZATION SUSTAINABILITY INITIATIVE PROPOSAL FORM

Part I- General Information:

Table with 2 columns: Label (Name of Student Organization, Contact/Responsible Person, Contact Office Held/Title, Contact Email Address, Contact Telephone Number) and Value (UAP 3354: Environmental Policy & Planning, Trevor Celata, celatatl@vt.edu, 571-379-6297)

Part II- Project Cost Information

Table with 3 columns: Label (Estimated Cost of this Proposal, Estimated Savings -, Net Cost of this Proposal =), Value (\$2,000, Estimate not available, \$2,000), and Reference (See III.C. below, See III.D. below)

Part III- Supporting Information

A. Please describe your sustainability initiative and attach supporting documentation.

This proposal would see the implementation of an additional community bike repair station, much like the one currently installed outside of Randolph Hall. These stations include a multitude of small tools and an air pump that allow cyclists to tighten a loose nut or pump up an inconvenient flat tire. Upon installation, the new repair stations would encourage an increase in bicycling while relieving stress on public transit and roadways during peak hours. The location of this station would be outside of McCommas Hall.

- https://www.theparkcatalog.com/bike-repair-stand
https://www.fox19.com/2020/03/11/new-bike-repair-stations-northern-kentucky/
https://dcist.com/story/16/04/22/there-are-now-eight-free-bike-repai/

B. How does this initiative help to achieve the goals of the Virginia Tech Climate Action Commitment Resolution and Sustainability Plan?

This proposal would help Virginia Tech satisfy their goal of improving transportation energy efficiency by reducing the number of personal vehicles making daily commutes to campus and reducing passenger loads on Blacksburg Transit.

C. What is the cost of your proposal? Please describe in adequate detail the basis for your cost estimate.

The Dero Fix-It Station, paired with Dero's Air Kit 4 bike pump, costs \$1,699 shipped. Adding a 10% contingency and rounding up puts the total at an estimated \$2,000.

D. Will your proposal produce cost savings for the University? If so, how much? Please describe in adequate detail the basis for your savings estimate.

A total cost savings estimate would be difficult to calculate as the desired results would not produce explicit monetary savings. Most monetary savings would fall onto commuters that adopt cycling as a means of daily transportation rather than a personal vehicle.

E. Is this funding request for a One-Time need or an Ongoing need (please check one)?

One-time

Ongoing

F. Is funding available for this request from another source? If yes, describe the funding (source, amount, etc.)

No

Attachment # 2

**STUDENT ORGANIZATION SUSTAINABILITY INITIATIVE PROPOSAL FORM
(Continued)**

Part IV- Requestors/Reviewers

Trevor Celata

11/20/20

Prepared By (Name of Contact for Student Organization)

Date

Reviewed By Nick Quint

Date 1/26/2021

Reviewed By (Name of Office of Sustainability Representative)

Denny Cochrane

Date 1/26/21