



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:

Name of Student Organization	Hokie Bike Hub
Contact/Responsible Person	Annabelle Palmer
Contact Office Held/Title	Hokie Bike Hub Intern
Contact Email Address	Ampalmer22@vt.edu
Contact Telephone Number	540-686-0025

Part II- Project Cost Information

Estimated Cost of this Proposal	<input type="text" value="\$13,000.00"/>	See III.C. below
Estimated Savings -	<input type="text" value="Undetermined"/>	See III.D. below
Net Cost of this Proposal =	<input type="text" value="\$13,000.00"/>	

Part III- Supporting Information

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

This initiative plans to replace two benches by Cochrane Hall with a 10-loop bicycle rack. According to the Virginia Tech Department of Alternative Transportation's 2019 bike census, the Cochrane Hall bike rack has 100% utilization plus bikes locked to nearby benches and 100%+ utilization at nearby racks. These benches often have bicycles locked to them, damaging the benches, and making them unusable when obstructed by bikes. Removing these two specific benches should not disrupt the ability to enjoy the outside area because there are at least 4 other benches nearby available for use, plus other benches around in the courtyard and around the Dining Hall. Adding bike racks fills the demand for student bicyclists attending the dining and residence halls, while also helping to maintain the outside appeal and appearance of the courtyard.

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

The courtyard between Cochrane, West Ambler Johnston, and West End is frequently used by students due to its proximity to two residence halls and a dining hall. Increasing bike infrastructure encourages students to bike as a form of transportation. Increasing bike infrastructure also normalizes bicycle culture, encouraging more students to utilize bicycles as an alternative form of transportation around campus. More students on bikes can help to decrease carbon emissions, as fewer people would be driving. Ultimately, helping Virginia Tech to reach its sustainability goals. This sustainable initiative towards bikes correlates with the following Climate Action Policies: Policy Point 1, Policy Point 3, and Policy Point 11. Increased bike usage on campus improves transportation energy efficiency on campus by reducing carbon and energy spent via vehicular commuting (Policy 3 & 11). Sustainability initiatives to increase bicycle traffic also helps Virginia Tech meet its goal to be a leader in campus sustainability (policy 1).

C. What is the cost of your proposal? Please describe in adequate detail the basis for your cost estimate. The requested costs are based off a price quote for Renaissance Site Furnishings for the bike 5-loop bicycle rack and bicycle shelter:

- One 8-Loop Bicycle Rack: \$1,000
 - Concrete Pad: \$2,000
 - Bike Shelter: \$8,000
 - Landscaping: \$500
 - Contingency (~10%): \$1,500
- Total: \$13,000

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.
There is not enough information to quantify any cost savings from adding a new bike rack. However, this project is relatively low cost and has the potential to contribute to sustainability initiatives as well as increase access to bicycling on campus. It also might decrease the money spent building and maintaining parking on campus.

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

One-time

Ongoing

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

Funding is not currently available from another source.

Attachment # 2

STUDENT ORGANIZATION SUSTAINABILITY INITIATIVE PROPOSAL FORM (Continued)

Part IV- Requestors/Reviewers

Prepared By Annabelle Palmer

Date 11/9/2020

Reviewed By (Name of Appropriate University Official) Nick Quint

Date 11/16/2020

Denny Cochrane

Reviewed By (Name of Office of Sustainability Representative)

Date 11/30/20