

SUSTAINABILITY INITIATIVES BY STUDENT ORGANIZATIONS FUNDING PROPOSAL

Part I - General Information

Name of Student Organization	Students for Sustainable Practice
Contact/Responsible Person	Amelia Meyer
Contact Office Head/Title	Head of Research
Contact Email Address	amezia@vt.edu
Contact Telephone Number	7038960193

Part II - Project Cost Information

Estimate Cost of this Proposal	7,000	See Part III.C
Estimated Savings –	N/A	See Part III.D
Net Cost of this Proposal	7,000	

Part III - Supporting Information

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

Since 2008, there have been over 4,867 bikes registered on campus with Virginia Tech Parking Services and the most recent Commuter Survey indicates that 14.7% of campus affiliates rely on a bicycle as a primary mode of transportation.

Virginia Tech has experienced a significant increase in the number of cyclists on campus in the past several years. This surge in bicycle use as a prominent mode of transportation can easily be seen with the increased of bikes parked around campus. According to the Bike Master Plan for Virginia Tech there is currently a deficit of 53 covered bike racks within Oak Lane. We are proposing adding a covered bike shelter to an existing bike rack. (see design, picture, and pricing quote in appendix) in front of the Oak Lane Community next to a bus stop and across the street from another bus stop. Located next to the Transfer House on 2475 Oak Lane. Rusting of bicycles from rain and snow is inevitable in the current set up for Oak Lane Residents. All other residencies on campus have access to a covered bike rack. This covered bike rack will promote active use of bicycles within the Oak Lane Community throughout the year and as a result reduce CO2 emissions and campus traffic. This plan was initiated by Students for Sustainable Practice, Renaissance, and the Alternative Transportation Office.

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

According to Climate Action Plan:

Policy Point #11 - Virginia Tech will improve transportation energy efficiency on campus through parking, fleet, and alternative transportation policies. Alternative transportation use will increase from the current level of 45%, to a goal of 54% in 2015, and 60% in 2020.

- An easy to reach, conveniently located covered bike rack near a highly populated residency on campus will serve to encourage and reinforce modes of alternative transit such as cycling, busing and multi-modal travel.

Policy Point # 3 - Virginia Tech will establish a target for reduction of campus GHG emissions to 80% below 1990 emissions level by 2050.

- A covered bike rack in Oak Lane will help to encourage more people to commute by bike. An increase in students engaging in sustainable transportation options reduces greenhouse gas emissions, such as carbon dioxide and nitrogen oxides from vehicular sources.

Policy Point #1 - Virginia Tech will be a Leader in Campus Sustainability. Sustainability is an integral part of the fabric of the university as it pursues enhanced economic stability and affordability, diversity and inclusion, environmental stewardship, expansion of knowledge, and education of future leaders.

- A covered bike rack would lead to saving money within students with cheaper gas bills. It will also lower road repair costs and demand for parking infrastructure on Virginia Tech campus.

According to Virginia Tech Parking & Transportation:

Bicycles – The bicycle component of this plan intends to improve or enhance amenities and designated routes to create a comprehensive and safe network serving the campus and the larger community of Blacksburg as well.

- Enhancing this bike rack with a covered shelter is improving biking amenities in order to positively promote biking and alternative transportation.

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

Cost of covered shelter (price quote attached) - \$7,000

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.

The covered bike shelter will enable the Oak Lane community to save on gas money. Will also lower the cost of wear & tear including potholes on public roads throughout Virginia Tech Campus as there could be less cars on campus as the proximity of this covered bike rack to two bus stops would increase the viability of multi-modal travel.

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


One-time

Ongoing

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

Funding is not available from another source for this proposal.

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Part IV- Requestors/Reviewers	
Prepared By (Name of Contact for Student Organization) Amelia Meyer	Date 11/6/16
Reviewed By Mackenzie Jarvis, Alternative Transportation Manager 	Date 11/8/16
Denny Cochrane	12/1/16
Reviewed By (Name of Office of Sustainability Representative)	Date



Date	Quote #
10-20-16	10.16.08
Your RCLF Contact:	
Jessica Wood	
Quote Valid for 60 days	

2807 MARY LINDA AVE., NE
 ROANOKE, VA 24012
 PHONE: 540-342-1548
 FAX: 540-342-1417
 WWW.RCLFSITEFURNISHINGS.COM



To: Amelia Meyer
 Virginia Tech 2017
 amezia@vt.edu

Thank you for allowing us to offer our quote for the above referenced project, subject to the specifications listed below.

Sales Rep	Project Name	Payment Terms	Lead-time
N/A	VT Bike Shelter & Bike Racks - Oak Lane Housing	Net 30	10-12 Weeks from all approvals/deposit

Ln. #	Qty.	Item #	Description	Unit Price	Ext. Price
1	4	BKS-1001-SM	RCLF Bike Shelter Anchoring: Surface Mount Material: Steel/Acrylic Finish: Polyester Powder Coat Color: Mineral Bronze	\$6,450.00	\$25,800.00
					Freight: \$375.00
					Tax: N/A
					Installation: N/A
					Total Amount: \$26,175.00

Please contact us with any questions, clarification, or further assistance you may need.
 Made in the USA

Sincerely,
 THOMAS WASICKI-DIRECTOR OF SALES

BKS-1001 "Bike Shelter"



Anchoring Methods

RCLF offers three different ways with which to incorporate your beautifully crafted piece into its surroundings

- Surface mount (-SM)
- In-ground mount (-IG)

Options

Inquire within for custom shelter options

Customization

RCLF takes pride in our ability to provide plaques, decals, and custom artwork to incorporate into almost any of our products. Whether you're looking to brand your furniture, or add a touch of personal design, RCLF has the ability to customize our furnishings to suit your personal flair. Inquire for more information.

Basic Information

Height: 104"

Length: 239"

Depth: 89"

Weight: 910 lbs

Materials

- Acrylic Panels
- Square Tubing

Construction

-Roof is constructed from 1/4" acrylic panels that attach to roof

-Roof attaches to tubing legs with gussets (4 typ.)

Powder Coat Finish Procedure

- 1. Metal substrate is shot-blasted to remove contaminants and create an optimal etched profile for powder adhesion.
2. Substrate is then washed with an alkaline rinse to further enhance coating effectiveness.
3. An industrial sealer is applied to the piece to inhibit rusting.
4. The piece is then coated with an epoxy powder coat primer and subsequently cured in our oven according to manufacturer's guidelines.
5. The metal returns to the powder booth for application of UV-resistant, polyester powder coat finish and is cured again in the oven. The furniture emerges with a beautiful and durable exterior that is capable of withstanding the rigors of demanding public spaces.

Warranty

- The Renaissance team warrants the quality of every site amenity that leaves our factory. If the product is installed according to our recommendations, we will guarantee the frame construction for the life of the item. All other components are guaranteed for three years after shipment.



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