

SUSTAINABILITY INITIATIVES BY STUDENT ORGANIZATIONS FUNDING PROPOSAL

Part I - General Information

Name of Student Organization	Environmental Coalition
Contact/Responsible Person	Nadia Doutcheva
Contact Office Held/Title	Secretary
Contact Email Address	nldoutch@vt.edu
Contact Telephone Number	2023554146

Part II - Project Cost Information

Estimate Cost of this Proposal	\$2800	See Part III.C
Estimated Savings –	TBD	See Part III.D
Net Cost of this Proposal	\$2800	

Part III - Supporting Information

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

Virginia Tech has a large student and faculty biking population. As the bicycling community continues to grow, it is imperative to offer a wide array of bicycling infrastructure and resources. Providing basic resources to facilitate bike repairs is essential in encouraging them to continually choose to bike. There are currently three Dero Fix-It stations on campus, which have been a huge success in the past, and funded with an RFP such as this one. This is a proposal to add two more Dero Fix-It Stations to campus in order to provide more convenient locations for a wider variety of students/faculty.

The first is in the “agricultural quad” outside of Hutcheson Hall, near the existing bike racks. Many students only have classes in those buildings and do not often go to other places on campus, and there is also a lot of faculty and staff that work exclusively there, so a Fix-it station there would be beneficial for them.

Additionally, on the academic side of campus, the western side of campus does not have a fix it station at all. The only one on the academic side is near Randolph. I would be beneficial to have a Fix it Station by Pamplin Hall to accommodate faculty, staff, and students in Pamplin, Robeson, Hahn, and Williams Halls, as well as students who catch the bus from Burruss Hall and transport their bike that way.

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

As addressed in Statement 11 in the Virginia Tech Climate Action Commitment Resolution, the university is trying to increase its use of alternative transportation. Through the fix it stations, students will feel more encouraged to actively commute using their bicycles. Also, having the repair stations will promote biking safely which will cut down on accidents involving bikes. Due to the fact that more people will be using bicycles, this will reduce Virginia Tech’s carbon footprint while also decreasing congestion and parking problems.

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

The model best suited for the stations at Virginia Tech is the Fix-It Station by Dero. See attached pamphlet.

One station costs \$900 and, accounting for shipping and installation of \$500, the subtotal is \$1400. For two, the total will be \$2800.

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 no direct savings to the university but one could account for the costs of having fewer cars on the roads and in parking lots as well as fewer accidents involving bicycles caused by poor bike maintenance.

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.)

No, there is not funding available from another source.



Includes most commonly used tools for simple bike maintenance

Hanger and pump pack inside main body for easy, inexpensive shipping

Pump holster can be mounted on either side or back of Fixit

Pump hose is reinforced for maximum protection

Universal pump head accommodates all valve stem types

DERO **FIXIT**

- Repair stand holds nearly any bike
- Includes easy to use air pump
- Basic tools to make minor adjustments

You are riding home from work when you notice your bike needs some adjusting. The bike shop is closed and out of your way, so now what? Fixit to the rescue!

The Fixit includes all the tools necessary to perform basic repairs and maintenance, from changing a flat to adjusting brakes and derailleurs. The tools and air pump are securely attached to the stand with stainless steel cables and tamper-proof fasteners. Hanging the bike from the hanger arms allows the pedals and wheels to spin freely while making adjustments. For help with repairs use the Quick Read (QR) code on the front of the Fixit to view detailed instructions on your smart phone.

DERO BIKE RACKS

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Part IV- Requestors/Reviewers	
Nadia Doutcheva	11/09/2015
Prepared By (Name of Contact for Student Organization)	Date
Mackenzie Jarvis	11/09/2015
Reviewed By (Name of Appropriate University Official)	Date
Denny Cochrane	11/20/2015
Reviewed By (Name of Office of Energy and Sustainability Representative)	Date