

Sustainable Toilets at TRAC

UIS Green Project Letter of Intent- Step 1

Project Name:

Sustainable Toilets at TRAC- replacing battery powered flushing

Contact Information:

Project Team

<i>Name</i>	<i>UIS Student/Faculty/Staff & Department (or Office)</i>	<i>UIS Email</i>	<i>Phone #</i>
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Organization/Affiliation:

Project Information:

Please provide a brief description of the project. What are the goals and the desired outcomes of the project?

This project seeks to replace as many of the battery flush toilets at TRAC as possible. If needed, the toilet bowls can be replaced and therefore reduce water waste. This will help reduce the amount of batteries bought and then thrown out after they are dead. Furthermore, it will save water which is crucial as water is a shared resource for all humans.

Therefore, the goal of the project is to make toilets at TRAC more sustainable.

Please describe why this project matters to you and how it relates to sustainability.

This project will promote sustainability as anyone using the bathrooms at TRAC will be involved. They will become conscious of their actions and through education will help make better decisions. Furthermore, through shifting away from batteries this will benefit the environment in the long-term as the batteries won't need to be tossed out after they are dead. Battery flush systems also often flush multiple items per user. In addition, TRAC is a high-flow area meaning that many people use the facility.

Where will the project be located?

TRAC Restrooms

Please provide a brief summary of how students will be involved in or affected by the project:

Students will be impacted by the project as they will be able to consciously chose to conserve water. Furthermore, they won't need to worry about choosing a stall that won't flush or encountering gross areas that occur due to dead batteries.

Please provide a brief summary of the project timeline (Most approved projects are proposed in the Fall and implemented in the Spring)

When this project is approved the parts will need to be ordered. Then the parts will need to be installed. This can be done whenever it is possible to do so.

Please provide a brief itemized breakdown of the funds needed.

There are 17 toilets in the regular bathrooms, 9 in the general locker rooms, 2 family restrooms and 11 in the team locker rooms. The cost for 1 low flush handle is about \$60 (this cost can be estimated more accurately with the help of Charles Coderko as these have been installed across campus before). This cost estimate is assuming that the toilet bowls do not need to be replaced.

Another part of funding that will need to be considered is paying for labor. As of now, it seems that campus recreation may not be able to cover this. Therefore, there needs to be a discussion about how labor will be covered.

Number of Toilets converted	1	17 (regular bathroom)	26 (regular bathroom and general locker room)	37
Cost	\$60	\$1,020	\$1,560	\$2,220

Do you have any suggestions for how we could measure the success of this project?

The success of this project can be measured by comparing the money used to buy batteries each year compared to after investing in this change. Furthermore, water will be conserved as the dual flush handle saves water as well as preventing excessive flushing from batteries.

Additional comments:

Any additional comments/relevant information about the project proposal