*Please submit this completed application and any relevant supporting documentation by the deadline listed on the SSC website to* *Sustainability-Committee@Illinois.edu**.The Working Group Chairs will be in contact with you regarding any questions about the application. If you have any questions about the application process, please contact the SSC at* *Sustainability-Committee@Illinois.edu**.*

# General Information

**Project Name:** No Flush Urinals

**Total Amount Requested from SSC:** 4500 USD

**Project Topic Area(s):** ☐Energy ☐Education ☐Food & Waste

 ☐Land ☒Water ☐Transportation

# Contact Information

Applicant Name: Connor Daly

Unit/Department: Energy Systems/Department of Nuclear, Plasma and Radiological Engineering

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**Project Team**

|  |  |  |
| --- | --- | --- |
| **Name** | **Department** | **Email** |
| Alexander Pradana | Energy Systems/Department of Nuclear, Plasma and Radiological Engineering | pradana2@illinois.edu |
| Name | Department/Organization | Email Address |
| Name | Department/Organization | Email Address |
| Name | Department/Organization | Email Address |

# Project Information

Please provide a brief background of the project, the goals, and the desired outcomes:

Nearly 70% of the world is covered by water, but only 0.007 % of it is fresh and accessible for 7.5 billion world population. Unfortunately, humans have proved to be inefficient in using water, including in flushing water in urinal, which can use as much as 3 gallons every flush. The No-Flush Urinal Project is meant to help water conservation. The plan is to install 9 no-flush urinals, in a designated building. By doing that, the university can save at least 1,490,400 gallons per year (9 x 100 users x 3 times/day x 3 gallon x 184 work days).

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

Urinals are used everyday. This project will get the students to indirectly participate for water conservation.

Please provide a brief summary of the project timeline:

Noember 1st – Receive Funding

November 8th – Order all necessary parts.

November 15th – Receive parts

November 18th-23rd – Install Urinals

Additional comments

The project will reduce water consumption by 1,490,400 gallons per year. The project will also save $2,494.08 per year by reducing water useage and reducing maintenance costs due to blockages and flooding. The urinals will pay for themselves in 1.8 years. We hope to start with these 9 urinals in Engineering Hall then, after successful intallation and operation, we hope to install more urinals across campus.

Our sponsor for this project is Rizwan Uddin, rizswan@illinois.edu, NPRE