



STUDENT SUSTAINABILITY COMMITTEE

Semesterly Report

Thank you for your commitment to green initiatives at the University of Illinois. One of the ongoing requirements listed in the terms of the funding agreement for your project is the submission of semesterly reports with key information about your project. In addition to this form, please provide additional financial documentation and/or progress photos if available.

Please be as accurate as possible in describing the project (including possible setbacks or challenges in meeting the initial goals of the project). Not fully meeting your project's goals will not disqualify you from making future funding requests as long as your reports are as complete and accurate as possible. If you have any questions, please contact the Student Sustainability Committee, at sustainability-committee@illinois.edu.

Project Name: Control the Flow

Date of Report Submission: 1/20/2022

Project Purpose:

This project looks to redesign the Energy Farm waterway so that water flow can be channeled to the Embarras River in a more direct and environmentally sound path. Benefits from this improvement will be higher quality research fields for student and faculty projects that currently have to contend with unknowns for how heavy rains might impact or damage their efforts. In addition, erosion and nutrient runoff will be decreased.

Detailed Accounting of Expenditures to Date:

January 2022 : Purchase order was issued in Oct 2021 to the contractor DIGS and their subcontractor started the reshaping work in November 2021. Due to rains that prevented the work from for a period in November and then frozen ground.

September 2021: No funds have been expended to date. In the Spring of 2021, DIGS, our engineering firm for this project worked with ABE456 to create a student/corporate learning opportunity at no cost to this project.

Project Progress to Date:

In the Spring of 2021, Dr. Rabin Bhattarai's ABE456 class worked through the practical design considerations for engineering applications in surface water control. The class projects are attached as part of this report. Summer 2021 to date has been spent in finalizing the design and soliciting bids for the work. In September 2021, procurement steps will be taken to start on construction as soon as a purchase order can be extended to the best vendor.

UPDATE Jan 2022 : The contractor responsible for the reshaping of the waterway, Fenter Machinery, started in mid November 2021. Due to rains that delayed the work in early December, and the frozen ground condition in January, the contractor has been idled until weather conditions allow for good soil movement.

Student Involvement and Outreach to Date:

Please see student reports attached created as part of this project. Once the construction has begun, students will be invited out to observe the installation and assist in the evaluation of the final product.

Marketing and Promotion Efforts to Date:

As the most visible portion of this project will commence this fall, marketing / promotion efforts have not started yet.

Additional Comments:

**UPDATE JAN 2022 :
Photos of waterway reshaping.**



Video : https://mediaspace.illinois.edu/media/t/1_2mfencuw



1st day of call meeting with DIGS to go over class objectives.

