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Respondent

8 Andrew Stumpf

317:39
Time to complete

1. Below please include a brief project summary and your requested changes. *

The proposed project will involve the design, construction, and installation of an innovative geothermal system to heat and cool part office space at the Energy Farm. I received a revised cost estimate from F&S over the Summer that was significantly higher than first cost estimate. They could not provide this revised estimate until the work on the project started.

2. Project Name: *

Geothermal exchange for greenhouses at UIUC Woody Perennial Polyculture Research Site now known as "Geothermal exchange for greenhouses at UIUC Energy Farm"

3. Type of Scope Change: *

- Project Direction
- Budget
- Timeline
- Project Advisor/Financial contact
- Project Lead

4. Please provide a detailed description of the requested budget change, increase, decrease or returned funds. *

The project requests an additional \$81,000 to cover cost increase. There has been a significant escalation in construction costs (e.g., pipe fitting and electrical work) since the project started.

5. Please upload your updated Supplemental Budget and Timeline spreadsheet here
Fill out the detailed expenditures Excel sheet, and submit it below.

<https://studentengagement.illinois.edu/student-sustainability/ssc/docs/SSC-Supplemental-Budget-Timeline.xlsx> *

 [SSC-Supplemental-Budget-Timeline Andrew Stumpf.xlsx](#)

6. Additional comments (Optional) *

It is unfortunate F&S could not provide an updated cost estimate before the project started. Without additional funding, this project cannot move ahead. My Institute, separately, purchased energy sensors and paid for their installation (cost totaling ~\$10,000) so that baseline data from the current energy system could be collected. This information is required to apply for energy rebates/tax credits from Ameren Illinois and the IRS, and to obtain a reimbursement from F&S Revolving Loan Fund. Tim Mies (Farm Manager) is seeking permission from ACES to apply to the Revolving Loan Fund. The caveat is the geothermal system needs to be running before the project can apply to these programs. Also, I don't know if SSC could be reimbursed from these programs. This has not been done before, and the decision would be made by the Campus Administration.