*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:** Digital Computer Lab VAV Upgrades

**Total Amount Requested from SSC:** Up to $450,000

**Project Topic Area(s):** [x] Energy [x] Education [ ] Food & Waste

 [ ] Land [ ] Water [ ] Transportation

# Contact Information

Applicant Name: Bradley Klein

Unit/Department: Capital Programs

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**Project Team**

|  |  |  |
| --- | --- | --- |
| **Name** | **Department** | **Email** |
| Bradley Klein | Capital Programs | bradklei@illinois.edu |
| Doris Reeser | Capital Programs | dreeser@illinois.edu |
| Karl Helmink | Utilities | khelmink@illinois.edu |
| Name | Department/Organization | Email Address |

# Project Information

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

Save over $92,000 annually and reduce CO2 emissions by replacing the existing, inefficient constant volume HVAC system in the 1957, 1962 and 1965 portions of the building with a new, high efficiency Variable Air Volume (VAV) HVAC system. The project would add 90 VAV boxes/Air Terminal Units (ATUs) to improve controllability, enhance occupant comfort, and reduce energy consumption. The VAV upgrade will be part of a $6.5 Million AFMFA-funded Deferred Maintenance project to replace the aging air handing units and provide an automatic fire suppression system throughout the oldest parts of the building. This is the ideal time to make the conversion from the existing constant volume system to a new VAV system.

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

The project will be very noticeable to students and other users of DCL, as it will increase comfort, improve controllability, and reduce the noise associated with the existing constant volume air handling units (AHUs). Additionally, many of the spaces will receive new ceilings and lighting as part of the removal of the above-ceiling AHUs, which will help renew the appearance of this part of the building.

Please provide a brief summary of the project timeline:

The project is currently in planning. The construction of the project is anticipated to start in summer of 2020 and be completed by spring of 2021.

Additional comments

SSC participation in this project can be scaled up or down depending on the amount of funding available. The overall cost for the ATUs is $900,000. Our request is for 50% or $450,000, but any contribution would be welcome. Any Deferred Maintenance monies freed up by SSC contributions could be put towards energy efficient envelope improvements or other Deferred Maintenance items.