Funding Sustainable Design in Capital Projects

**PROJECT INFORMATION**

Please indicate all themes that apply to this project:

- ☒ Energy  ☒ Water  ☐ Purchasing  ☐ Waste  ☐ Food  ☐ Land Use  ☐ Transportation  ☒ Climate Action  ☐ Social  ☐ Community Wellbeing

**Project Title:**
*If submitting more than one project, please fill out a separate form for each project:

Funding Sustainable Design in Capital Projects

**Project Main Purpose and Anticipated Outcomes:**

*Please list all primary objectives that you want this project to achieve, and the expected outcomes of this work:*

Research funding models used at other schools/campuses to supplement capital project budgets for funding Sustainable design (most likely to get value engineered out).

**Project Background/ Context:**

*Please describe pertinent project background information. This may include any challenges or opportunities that led to this project request:*

Often capital projects go over budget and require certain green building features to be "value engineered" out. This project would investigate options for separate funding streams that could supplement a project’s budget and allow those features to be included. For example, the solar array on Lincoln Hall was made possible by a gift from a private donor. PSU commits all new construction or major renovation to be LEED Gold certified, but often additional green building features can help a building achieve platinum certification through LEED, and provide examples of more innovative building features to the community.

**Contribution to Sustainability at PSU:**

*Please summarize how the project supports PSU’s sustainability goals, your department’s sustainability goals and/or operational plans:*

PSU’s buildings account for a large portion of our campus’s environmental impacts. Goals within our Climate Action Plan and Salmon Safe certification recommendations call for resource conservation measures that will need to be included in future building projects; we want to ensure those elements are funded despite budgetary limits.

**Outline of Project Details:**

*Please describe the core task and activities that are required in order to complete the project. Common tasks may include a literature or case study review, data collection, interviews, partial or complete designs, or development of recommendations, etc:*

Review of funding models at other universities with similar sustainability focus and/or commitment to building to LEED Gold or higher. Case studies of additional funding for innovative and standard green building features, perhaps including funding models for Living Building Challenge buildings. Research of available grants, partnerships, mechanisms to engage donors, etc. Could include interviews with staff from other universities and projects managers.

**Required Deliverables:**

*All Living Lab projects require an executive summary, a report, project photos, and a final presentation. Please indicate if any additional project specific deliverables are required for this project (e.g. prototypes, a demonstration, conceptual designs, full build, video, application, installations, etc):*

**Ideal Project Start and Completion Date:**

*Please indicate the optimal timeline for the initiation and completion of the project, including any relevant time constraints. If this project is time sensitive, please specify:*

Would like to have recommendations available for next capital project

**Special Considerations:**

*Please list any special factors that student(s) and/or faculty will need to take into account (e.g. specialized equipment, liability considerations, access restrictions, etc.)*

**Potential Information Sources:**

*Please specify any documents, literature, contacts or other sources that you think can be used to inform the students’ work (for documents, please provide links or attachments):*

**Desired Student Qualifications:**

*Please describe experience, background and skillset that students should have in order to successfully complete the project. This will be used to match suitable students with your project (e.g. relevant coursework, area of study/major, technical skills, or software experience):*

Business School students, knowledge of green building practices and architecture