**Live Green Loan Fund – Project Proposal**

**Project Background:**

The Bergstrom Facilityis a 92,000 sq. ft. indoor practice field, built in 2004. Bergstrom is used by Iowa State University athletics, university student intramural sports programs and private clubs leasing space at the facility.

Within the Bergstrom facility is a 2,250 sq. ft. building entryway that contains plumbing facilities and equipment that serve the facility as a whole. Currently there are no physical separation features between this entrance lobby and the remaining larger training area; thus placing the facility, as a whole, on one climate control system and setting. As it is vital to maintain the plumbing functionality and integrity, it is necessary to provide adequate climate control (namely heating) to ensure this.

With the facility currently being operated as one large open area of 92,000 sq. ft., in order to ensure adequate and required climate conditions for plumbing facilities and equipment in the entrance lobby, the entire facility must be maintained at the same climate conditions regardless of full facility usage.

Establishing separate spaces of the entrance lobby and the training area provides a significant opportunity to minimize climate control costs during times of limited or non-use, within the large playing field area, while still maintaining appropriate climate conditions at the entrance vestibule to ensure equipment and systems functionality.

**Project Description; Project # LG0006 Bergstrom Indoor Practice Facility:**

This project consists of creating two separate spaces within the Bergstrom Indoor Practice Facility through the installation of a door/wall system at the facility’s entrance lobby. This would result in creating two functional areas whose indoor comfort environments can be maintained independently and on an as-needed basis.

In addition to the incorporation of a separation system, careful consideration and research is being completed with energy efficiency consultants to ensure that the doors of this system, as well as the installation hardware and design configurations achieve the highest level of energy conservation feasible within the project scope.

An anticipated timeline for this project is as follows:

* Upon Approval – order doors and schedule installation
* July 1 – project completed

**Project Contact:** Mike Andresen 515-294-2983 or Allison Schmitt 515-294-5350

**Project Return on Investment:**

Total project costs are estimated at $30,000. A $30,000 loan is requested. Expected annual savings equals $6,000/year with a payback period of 5 years. The savings will come from reduced heating and climate control costs resulting from the reduction of a 92,000 sq. ft. environmentally-constant space to one of 2, 250 sq. ft.

**Project Outcomes:**

In addition to the annual budget savings for ISU and Iowa taxpayers, this project serves as a demonstration that can be disseminated throughout Iowa State University existing buildings utilizing large area activity spaces.

Because Iowa State University is a leading international, comprehensive institution of higher education with a wide range of dynamic and diverse programs and initiatives, the utilization of large, multi-functional spaces is imperative. Whether to have spaces such as this is non-negotiable; however, how they are managed is. This project provides a great showcasing opportunity to illustrate how considerable energy conservation opportunities and operational savings

**Live Green Loan Fund – Project Profile**

**Bergstrom Indoor Practice Facility**

**Applicant**

Name/Contact Info: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Name/Location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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can be achieved through very simple means for campus departments and facilities that are managing large area activity spaces. As well as highlighting a thoughtful approach to conservation and operational savings, this project is a testament to ensuring the most efficient and effective use of a very important value-added commodity at Iowa State University – space.

**Confirmation of Due Diligence:**

Technical and financial viability is considered satisfactory for the scope of this project.

Required signatures for project administrative approval have been received (see attached application signature page).

**Funding Recommendation by Live Green Loan Fund Committee:**

$30,000

**Recommended Action by Live Green Loan Fund Committee:**

Project approval by President and signature of attached Funding Agreement.

**On Behalf of the Live Green Loan Fund Committee**

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Director of Sustainability Date