**iCAP Energy February Meeting Minutes**

**Date:** February 6, 2025

**Key Agenda:** Team updates, solar rooftop projects, energy efficiency funding, occupant engagement, and infrastructure improvements.

**Attendees:**

* Adrika Vats
* Tim Mies
* Amber Perfetti
* Michael James Larson
* Paul Foote
* Karl J Helmink
* Miriam Rose Keep
* Roman Makhnenko
* Anthony Thomas
* Andrew J Stumpf

**Key Topics Discussed**

1. **Team Updates & New Members**

* Introduced new team members who joined the group after onboarding sessions.

1. **Solar Rooftop Project**
   * Reviewed solar feasibility for the Krannert Art Museum, identified as a strong candidate due to recent roof renovations.
   * Preliminary estimates suggest a 130 kW array could offset nearly half of the building’s annual electricity consumption.
   * Discussion on funding sources, including campus funds and potential federal incentives.
2. **Energy Efficiency and Funding Opportunities**
   * Identified a new Energy Efficiency Revolving Loan Fund from the Illinois Climate Bank as a potential financing option.
   * Discussed existing campus funding mechanisms and strategies for securing additional resources.
3. **Building Energy Efficiency & Occupant Engagement**
   * Reviewed pilot program for engaging building occupants in energy conservation efforts.
   * Selected six campus buildings for initial outreach, focusing on temperature regulation, lighting efficiency, and lab energy use.
   * Explored using surveys and QR codes to collect occupant feedback efficiently.
4. **Infrastructure & Mechanical System Modernization**
   * Discussed a proposal to increase funding for energy performance contracting and revolving loan programs to modernize outdated campus infrastructure.
   * Identified stakeholders to engage for securing funding and administrative approval.
5. **Engineering Open House & Outreach**
   * Explored the possibility of showcasing campus energy and sustainability projects at the upcoming Engineering Open House in April.
   * Discussed collaboration opportunities with other sustainability-focused campus groups.
6. **Fume Hood & Lab Energy Optimization**
   * Identified multiple underutilized or continuously running fume hoods and lab equipment consuming excessive energy.
   * Planned site visits to assess opportunities for decommissioning or optimizing ventilation systems.
7. **Composting & Waste Reduction Initiatives**

* Discussed ongoing composting efforts in select buildings and the need to expand programs.
* Explored collaboration with student organizations and other campus departments to increase waste diversion.
* Miriam will follow up with Roman in a separate discussion

**Action Items & Next Steps**

1. **Solar Rooftop Project**
   * Finalize cost estimates and funding proposals for the Krannert Art Museum installation.
   * Assess additional campus buildings for rooftop solar feasibility.
2. **Building Efficiency & Occupant Engagement**
   * Begin outreach to selected buildings and collect feedback on energy-saving practices.
   * Develop a QR code-based survey for broader student engagement.
3. **Energy Efficiency Funding**
   * Investigate eligibility and application process for the Illinois Climate Bank loan fund.
   * Continue discussions with campus administration on increasing funds for energy efficiency projects.
4. **Engineering Open House Planning**
   * Determine feasibility of showcasing energy initiatives and finalize participation details.
5. **Lab Energy & Fume Hood Optimization**
   * Coordinate with facility managers to reduce unnecessary energy use in labs.