

iCAP 2020 Review Discussion

iCAP Working Group
July 8, 2020

Agenda

- New member – Qu Kim
- Status update
- Sustainability Council feedback
- Overview of comments
- Updates to iCAP objectives
- Clarification of key items
- Preview of new iCAP design
- Status of SWATeam recommendations



Status Update

- Published for comment from June 6 to June 26
 - Presented to CRAWG on June 19
 - Shared with iWG extended teams
- Presented to Sustainability Council on June 15
- iSEE intern developing designed document
- Need to finalize the content, and lock it in by July 31
- Will go to print in August
- Will be formally adopted and approved in October



Sustainability Council feedback

- Overall very positive feedback
- Incorporate covid-19 and future pandemics
- Work with students to include a letter of support
- iSEE will assist with improving transparency of investments and progress toward divestment

Overview of comments received

- 23 comments received through the online form
 - The majority were very positive
 - There were some questions we are addressing in the document
- 20 emails received directly
 - Some expressed appreciation for the iCAP
 - Some were simple questions we are answering via email
 - Some included items that we are addressing in the document
- Edited file will be shared with iWG around 7/15
- Key issues for further discussion were identified



Updates

- F&S Energy Topics
- #7.2 Sustainable Events Program
 - IUB engagement item
- #8.2 Coordinated Rainwater Management
- #2.2.2 Reduce Building-level Energy
 - Units w/F&S
- #6.5 Sustainability at Career Fairs



7.2 Union engagement

- Illini Union revised the objective
 - #7.2 [Illini Union] Develop a Sustainable Events Program by FY23. The Illini Union and Illini Union Board commit to 80% of their events qualifying by FY24.



Updates – continued

- F&S Energy Topics
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Key issues for further clarification

- Around the table discussion
- #2.3.3 Convert to Hot-water Heating
- #8.3 Environmental Justice Plan
- Divestment
- Covid-19 – incorporation

2.3.3 Hot water heating

- David's comments

- Concerned about the sustainability of hot water electric heating systems

- Do these systems utilize Abbott steam and condense it to hot water? If these systems do not utilize Abbott steam, and they become the status quo for heating campus buildings, this would make the main byproduct of Abbott co-gen obsolete. This would waste tremendous amounts of energy.
 - Do hot water heating systems expend more power than heating systems which utilize steam? I can imagine hot water systems require Abbott steam to be condensed, and power would be required to re-heat the hot water to meet building heat demands. This sounds to me like it could end up using more energy than steam heating systems.
 - Where will the electricity to power these hot water systems come from? Will they all use power from the campus grid? Will buildings with rooftop solar be able to provide some energy toward the electric heating system?
 - If hot water heating becomes the status quo, would it be more energy efficient for Abbott to produce hot water instead of steam? Is there a way to replace the steam infrastructure (i.e. turbines and pipelines) with hot water counterparts?
 - Is hot water heating truly the most energy efficient building heat option? Are there any alternatives being considered?

- F&S concerns

- \$600,000 per building and about 175 buildings



8.3 Environmental Justice

- Expanding to explain our campus efforts for addressing food insecurity
- Add section on sustainable transportation, energy, and waste in this section
- Connect with the Vice-Chancellor for Equity and Inclusion – for review and input
- Are there student groups that could be brought in to help with this?

Key issues for further clarification – continued

- Around the table discussion
- #2.3.3 Convert to Hot-water Heating
- #8.3 Environmental Justice Plan
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- Covid-19 – incorporation

Incorporating COVID-19

- Sustainability Council feedback was positive, and one key item they asked us to address was to incorporate more references to Covid-19 and how to plan for future pandemics
- iSEE is reviewing full document for ways to incorporate covid-19 more
- Some iWG members are on the covid-response team(s). What are your recommendations?
- Are there other people we should also reach out to? And can you connect us, so they can respond quickly?
- iSEE newsletter article as a resource



Preview of new iCAP design



SWATeam Recommendations Status Updates

- [Edu005 Sustainability Scholars Program](#) - Returned
- [Edu004 Sustainability Unit in ENG100](#) - Submitted
- [Edu003 Sustainability Career Fair](#) - Transmitted
- [Edu002 Internship Coordinator](#) - Submitted
- [Edu001 Environmental Leadership Program](#) - Successful
- [Res001 Champaign County Multi-Jurisdictional Hazard Mitigation Plan](#) - Submitted
- [LW001 Data Repository](#) - Submitted
- [ZW001 Student Sustainability Ambassador Program](#) - Successful
- [Energy004 Energy Conservation Funding](#) - Submitted
- [Energy003 Energy Master Plan](#) - Submitted
- [Energy002 Building Envelope](#) - Transmitted
- [Energy001 Anaerobic Digester Feasibility Study](#) - Submitted
- [Trans013 UI Ride Survey](#) - Successful
- [Trans012 Carpool Survey](#) - Submitted

