

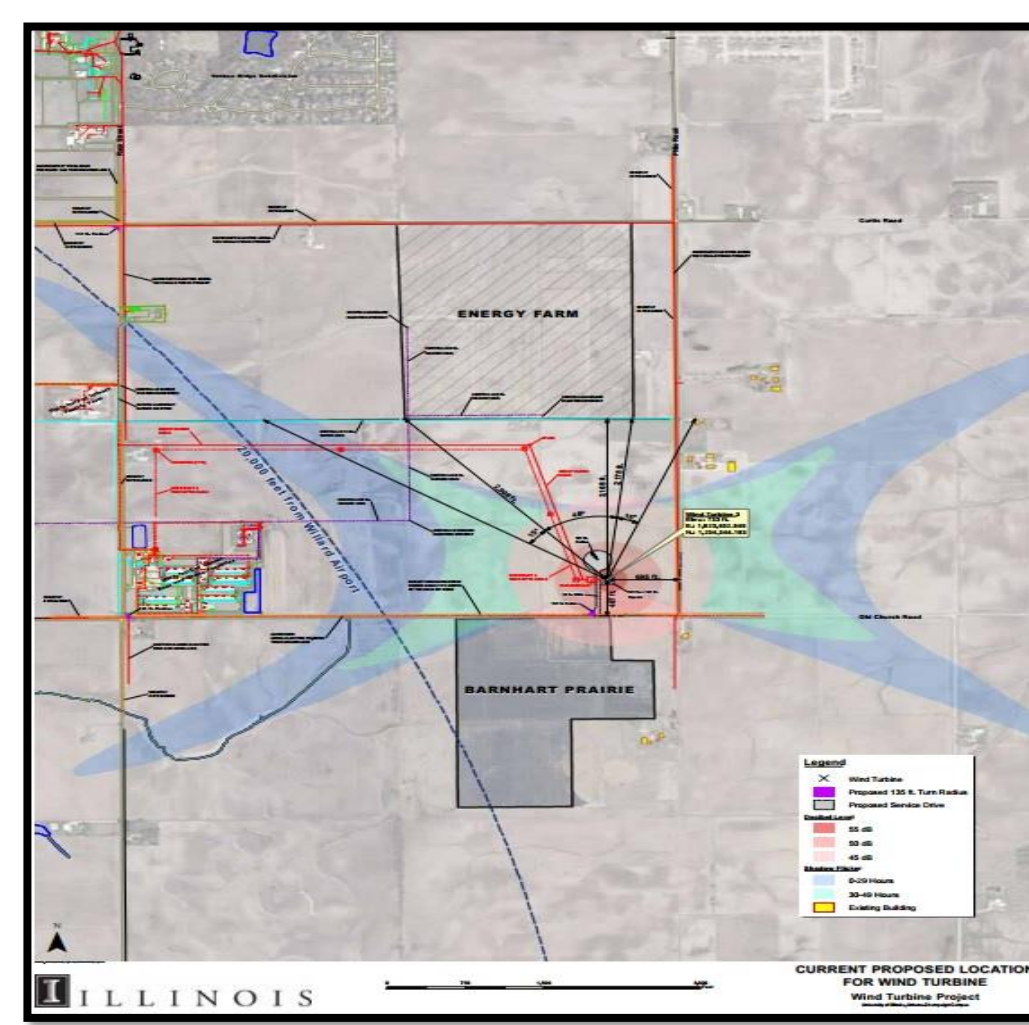
BIOENERGY

Sarthak Prasad

M.S. Degree Candidate, sprasad9@Illinois.edu

Sustainability Intern, Institute for Sustainability, Energy, and Environment (iSEE)

- iSEE's goal is to find real-world, lasting solutions to earth's most pressing sustainability, energy, and environmental needs.
- Worked under the supervision of the Director of Sustainability, Facilities & Services, University of Illinois at Urbana-Champaign.
- The Illinois Climate Action Plan (iCAP) outlines a path for the University of Illinois at Urbana-Champaign to achieve carbon neutrality as soon as possible.
- Trained to work on the iCAP Portal.
- Entered the details about the Wind Turbine Generator project on-campus on the Illinois Climate Action Plan (iCAP) Portal.



Source: (from left to right) 2015 iCAP, iCAP Portal, Wind Turbine Generator Project

iCAP Portal User Manual

- Developed iCAP Portal's User Manual for the new Sustainability Working Advisory Teams (SWATeams) and sustainability advocates working on the portal.
- Updated the iSEE representatives biweekly and discussed the progress of the project.

Collaboration with MSTE

- Collaborated with Mathematics, Science, Technology, and Education (MSTE) to make the iCAP Portal more user-friendly.
- Recommended improvements to the iCAP Portal structure to facilitate student, faculty, and community engagement in sustainability initiatives for the University of Illinois at Urbana-Champaign.
- Determined the level of authority and access to the iCAP Portal for new students joining iSEE as SWATeams clerks.

Connection to Curriculum

- Concepts learned in Science courses like Advanced Bioenergy Systems, Advanced Bioenergy Topics, Seminar Energy & Sustainability Engineering, and Theory Energy & Sustainability Engineering helped understanding of projects.
- Business concepts, like time management, prioritizing project variables etc., learned from Project Management and Marketing Management also helped during this internship.



Principal Outcomes

- Created a detailed project history for the Wind Turbine Project on-campus on the iCAP Portal.
- Developed a User Manual to use the iCAP Portal.
- Changed and finalized the "Status" option on the iCAP Portal.
- Recommended improvements to make the iCAP Portal more user-friendly.
- Implemented the "iCAP Advocate" user access role.
- Provided opinion on the level of authority over the portal to the new student employees.



Lessons / Take-Aways

- Expanded my professional network.
- Experienced inter-departmental collaborations.
- Introduced to the procedures that have to be followed to get approval for any project.
- Gained an appreciation for multidisciplinary nature of the sustainability projects.

