

TRANSPORTATION

The Transportation SWATeam is a team of faculty, staff, and students who work to advance the 2015 Illinois Climate Action Plan (iCAP) transportation objectives. The team forms recommendations to reduce the 10% of campus emissions that are attributable to transportation. We address air travel emissions, fleet emissions, single-occupancy vehicle usage, renewable fuels, and active transportation. We are excited for what is to come this year and look forward to tackling new challenges!

OBJECTIVES

4.1. Reduce air travel emissions from a new FY14 baseline by 25% by FY20, 50% by FY25, and 100% by FY30.



Status:
In progress

- Began conversations regarding the feasibility of an internal carbon tax, incentivizing individuals and units to use virtual conferencing options instead of traveling by air.

Next Steps:

- Integrate emissions tracking within the Travel and Expense Management (TEM) system.
- Educate the campus community about air travel alternatives, and improve infrastructure supporting online conferences and virtual meetings.

4.4. Reduce percentage of staff trips made using single-occupancy vehicles from 65% to 55% by FY20, 50% by FY25, and 45% by FY30.



Status:
In progress

- Secured support from iSEE to promote and release a Campus Mode Share Survey for students, faculty, and staff to be completed in Fall 2018.
- Continued efforts to familiarize faculty and staff with MTD, including Certified Green Office Program incentives.

Next Steps:

- Create a new pricing scheme for parking in which greater discounts will be given for parking further away from campus, car-pooling, and a joint purchase of a bike parking permit.
- Provide a frequent shuttle service from peripheral parking locations to main campus locations.
- Create incentive mechanisms to encourage more sustainable travel modes based on the results of the mode split survey.

4.2. Reduce emissions from the campus fleet by 20% by FY20.



Status:
Complete!

- Conducted a feasibility analysis for replacement of departmental vehicles with electric vehicles.
- Installed electric vehicle (EV) charging stations at the Illini Union and the North Campus Parking Deck.
- Received green certification for the Facilities & Services vehicle fleet.

Next Steps:

- Discourage idling of vehicles by installing GPS idling tracker equipment.
- Promote sharing of vehicles on campus via online information platforms and vehicle delivery service.
- Identify opportunities to expand EV charging on campus.

4.5. Implement the Campus Bike Plan on the schedule noted in that plan.



Status:
In progress

- COMPLETE:** Campus recognized as a Bronze-level Bicycle Friendly University by the League of American Bicyclists.
- COMPLETE:** Funding secured for a "Bike at Illinois" website, for development in the winter and spring months this fiscal year.
- COMPLETE:** Significantly increased bike parking capacity.
- COMPLETE:** Secure Memorandum of Understanding between cities of Champaign and Urbana, the University, and third-party dockless bike sharing provider.
- Implement new parking pricing schemes based on discounts for parking at farther locations, employee carpooling, and joint purchase of bike parking permits.
- Review the results of the campus bike census and the upcoming multimodal survey to develop future recommendations.

4.3. Conduct a detailed study by the end of FY17 to develop scenarios for complete conversion of the campus fleet to renewable fuels.



Status:
In progress

Next Steps:

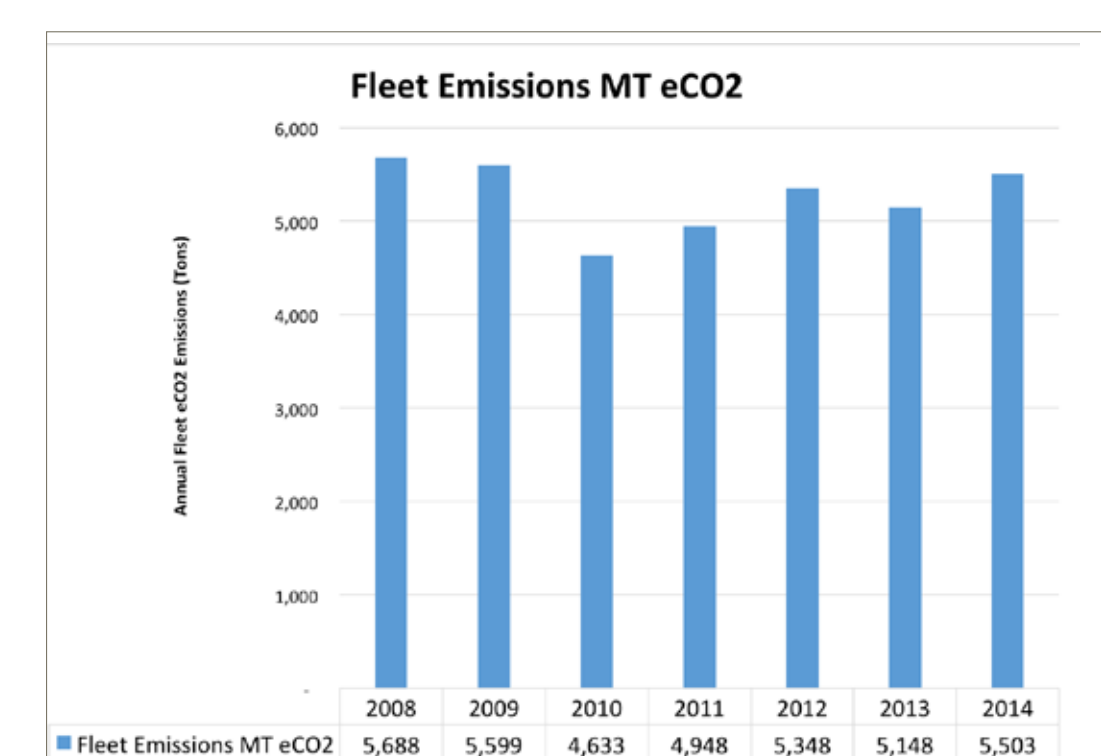
- Create a task force with faculty chair and campus representatives to consider fuel alternatives such as sustainably produced biodiesel, compressed natural gas (CNG) from organic waste, and electricity from zero-carbon sources such as solar and wind.
- Propose conservative/moderate/aggressive strategies for greenhouse gas emission reduction and consider their financial and environmental impact.

4.6. Appropriately staff sustainable transportation efforts.

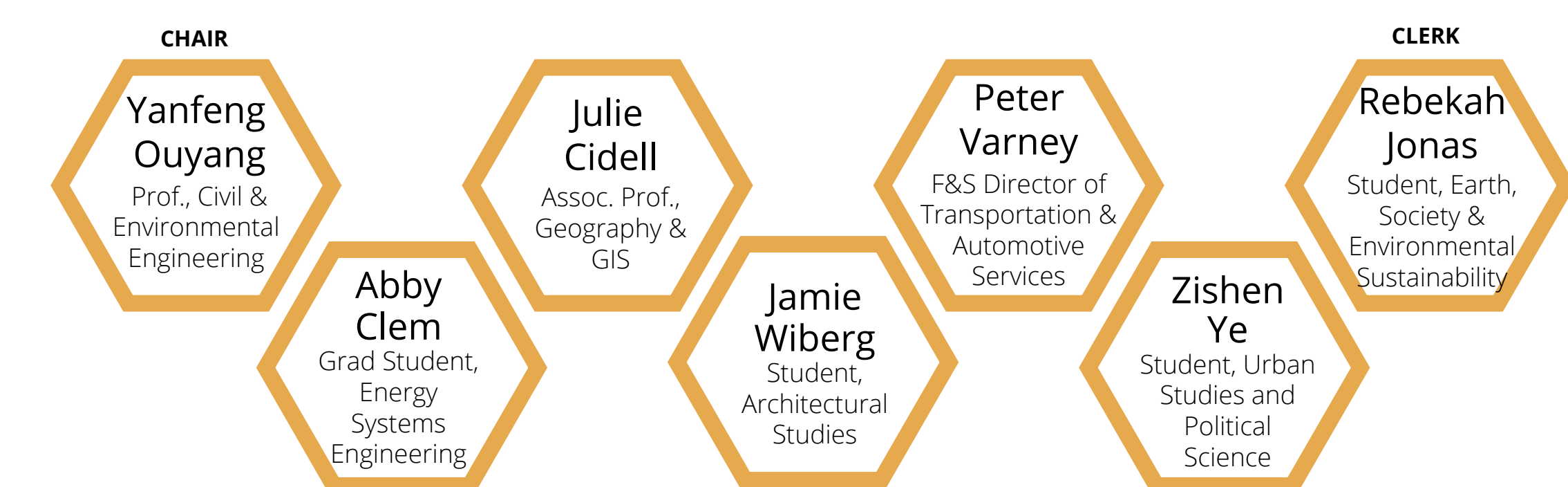


Status:
Complete!

- The Active Transportation Coordinator at F&S worked closely with iSEE and the Transportation SWATeam during the past year.
- Conversations are now underway to rehire this position.



TEAM MEMBERS



ACKNOWLEDGEMENTS

The following former team members have contributed to making our campus more sustainable: Lily Wilcock, Tulsı Chudgar, Ankit Singhai, Rebecca Laurent, Professor Imad Al-Qadi, Benjamin Cigelnik, Claire Dodinval, Brian Farber, Joshua Feldman, Professor Bumsoo Lee, Zhaodong Wang, and all others who helped the Transportation SWATeam in previous years. The SWATeam would also like to acknowledge Dave Ivey, an incoming representative from the Parking Department.