

# TRANSPORTATION

The Transportation SWATeam is a team of faculty, staff, and students who work to advance the 2015 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.

## 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

- Creating a virtual storeroom in which campus units have the option to voluntarily buy air travel offsets (Ben McCall and Scott Willenbrock).

#### 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

- Developing a mode split survey for students and staff to understand current transportation attitudes, habits, and barriers (Julie Cidell and Morgan White).

- Introducing faculty and staff to MTD through "It's Your MTD, Too" campaign (Lily Wilcock).

#### Next Steps:

- Create a new pricing scheme for parking in which greater discounts will be given for parking further away from campus, carpooling, and a joint purchase of a bike parking permit (Yanfeng Ouyang).

- Provide a frequent shuttle service from peripheral parking locations to main campus locations (Ouyang).

- Create incentive mechanisms to encourage more sustainable travel modes based on the results of the mode split survey.

### 4.2. Reduce emission from the campus fleet by 20% by FY20.



Status:  
Complete!

- Conducted a feasibility analysis for replacement of departmental vehicles with electric vehicles (by Hursh Hazari and Pete Varney).

- Installed EV charging stations at the Illini Union and the North Campus Parking Deck (Scott Willenbrock and Philip Krein).

- Received green certification for the Facilities & Services vehicle fleet (Varney).

#### 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.

### 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 (Stacey DeLorenzo, Lily Wilcock).

- **COMPLETE:** Funding secured for a "Bike at Illinois" website, for development in the winter and spring months this fiscal year (Wilcock).

- **COMPLETE:** Significantly increased bike parking capacity (Wilcock).

- Coordinating and reviewing dock-less bike sharing companies seeking to come to campus (Wilcock).

- Implement new parking pricing schemes based on discounts for parking at farther locations, employee carpooling, and joint purchase of bike parking permits (Yanfeng Ouyang).

- Review the results of the campus bike census (Oct. 18) and the multi-modal 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, CNG from organic waste, and electricity from zero-carbon sources such as solar and wind.

- Propose conservative/moderate/aggressive strategies for GHG emission reduction and consider their financial and environmental impact.

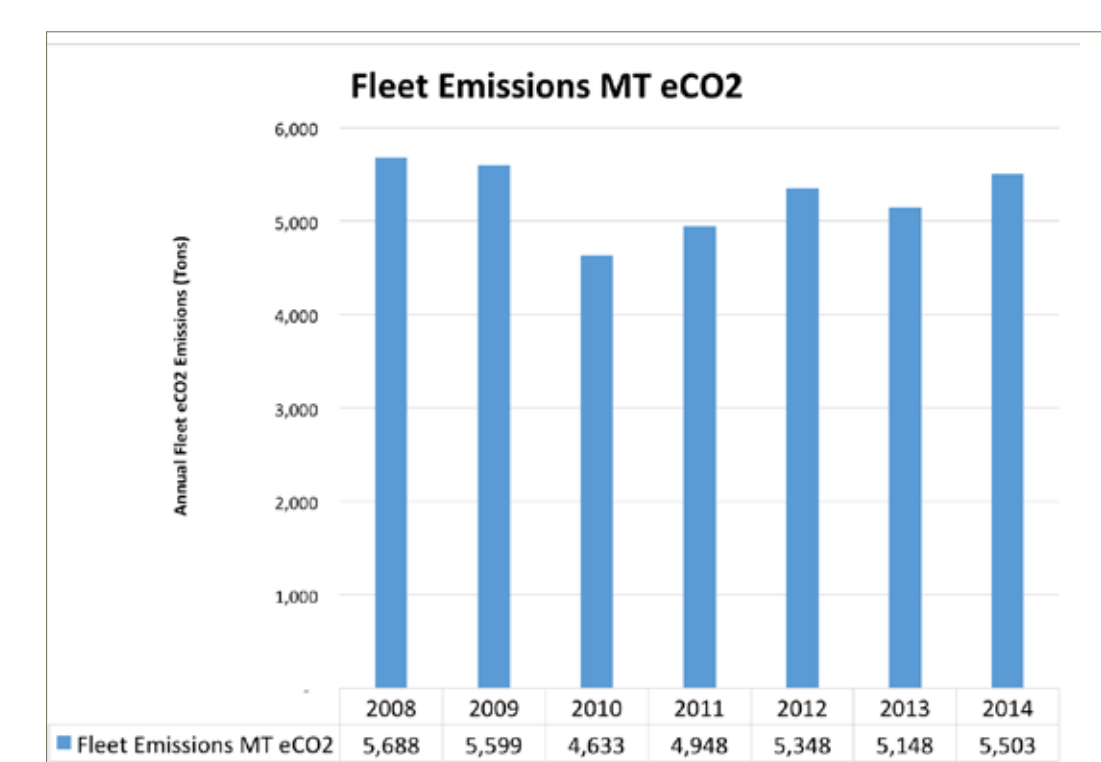
### 4.6. Appropriately staff sustainable transportation efforts.



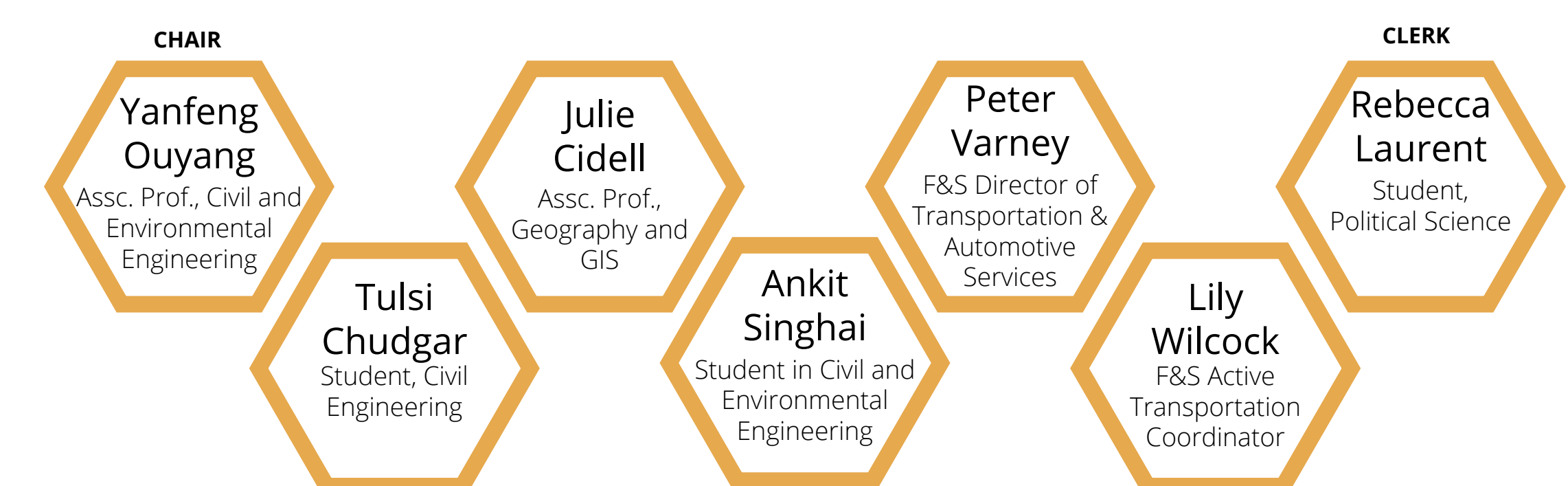
Status:  
Complete!

- Lily Wilcock hired as Active Transportation Coordinator at F&S.

- Active Transportation Coordinator will collaborate closely with iSEE and the Transportation SWATeam.



## TEAM MEMBERS



## ACKNOWLEDGEMENTS

We express our thanks to our former team members, Professor Imad Al-Qadi, Mr. Benjamin Cigelnik, Ms. Claire Dodinval, Mr. Brian Farber, Mr. Joshua Feldman, Professor Bumsoo Lee, Mr. Zhaodong Wang, and all others who helped the Transportation SWATeam in previous years to gather and interpret data, initiate proposals and programs, and draft recommendations.