



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

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



Status:
In progress

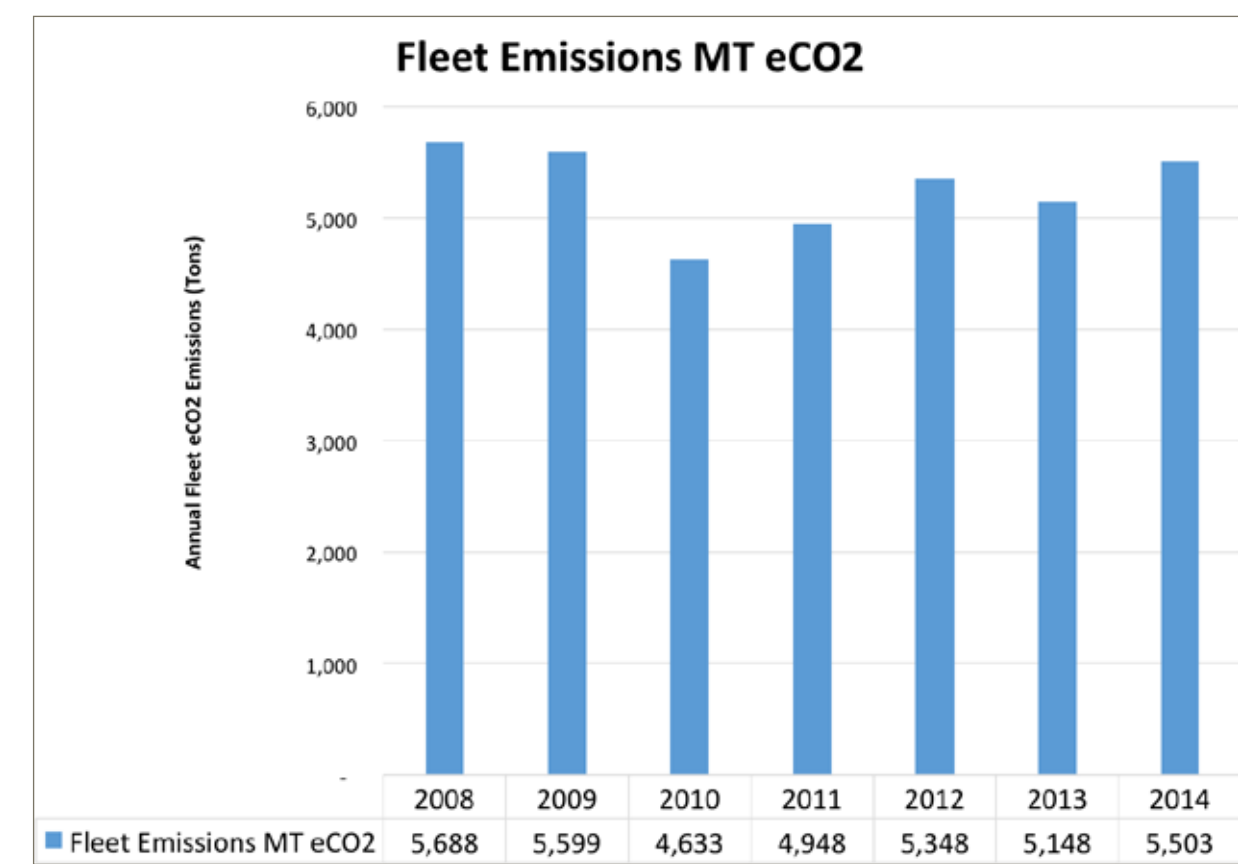
- Plan to reward departments that reduce their annual air travel emissions.
- Implementing Travel and Expense Management (TEM) system to track annual emissions.
- Educating campus community on air travel alternatives and improving infrastructure supporting online conferences and virtual meetings.
- Plan to purchase carbon offsets to support green infrastructure.

2. Reduce emission from the campus fleet by 20% by FY20.



Status:
Not Complete

- Plan to increase low-emission vehicles by 20% in the next five years.
- Plan to discourage idling of vehicles by installing idling tracker equipment.
- Promote use of alternative fuels.



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

- Conduct of feasibility study for converting the fleet to renewable fuels:
 - Creating a task force with faculty chair and campus representatives.
 - Will consider alternatives such as sustainably produced biodiesel, CNG from organic waste, and electricity from zero-carbon sources such as solar and wind.
- Propose conservative, moderate, and aggressive scenario strategies for GHG emission reduction and consider their financial and environmental impact.



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

- University Parking is planning a survey that will provide new mode-split data.
- Introducing faculty and staff to Champaign-Urbana Mass Transit District (MTD) through "It's Your MTD, Too" campaign.
- Wellness Center is encouraging walking through tours and assessments.
- A campus active transportation (biking, walking) website is under construction.



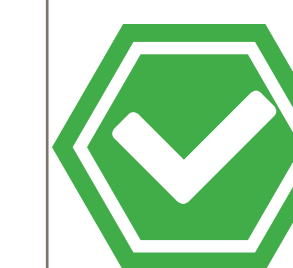
5. Implement the Campus Bike Plan on the schedule noted in that plan.



Status:
In Progress

- Full implementation of new campus bikeway facilities by FY25, bike parking at every core campus building, and bike rentals by FY20.
- Campus is recognized as a Bronze-level Bicycle Friendly University by the League of American Bicyclists.
- MCORE Project — \$42 million project to improve public infrastructure connecting campus and Champaign and Urbana downtowns.

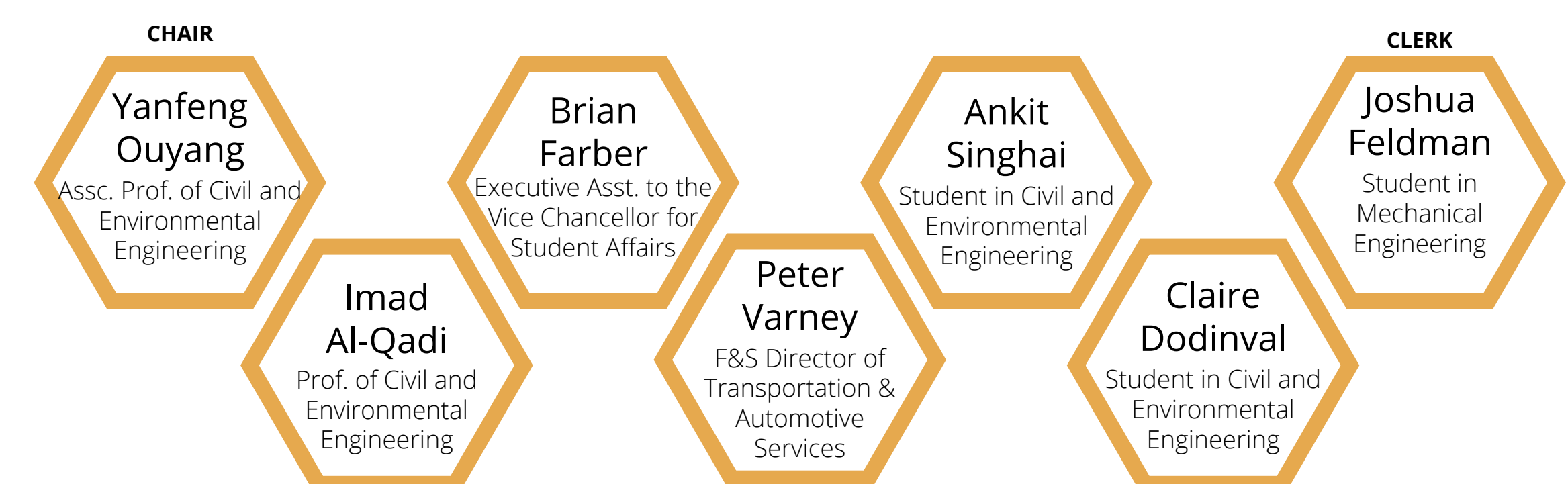
6. Appropriately staff sustainable transportation efforts.



Status:
Complete!

- Lily Wilcock hired as Active Transportation Coordinator at F&S.
- Active Transportation Coordinator will collaborate closely with iSEE and the Transportation SWATeam.
- Successful implementation of transportation strategies requires additional staff time.

TEAM MEMBERS



ACKNOWLEDGEMENTS

We express our thanks to our former team members Prof. Bumsoo Lee, Mr. Benjamin Cigelnik, Mr. Zhaodong Wang, and all others who helped the Transportation SWATeam in the past year to gather data, interpret data, initiate programs, write recommendations, etc.