Transportation SWATeam Meeting

Date: 2/24/21

Time: 10-11AM

Attendees: Ravikumar Dhaduk (student non-voting), Meredith Moore (iSEE), Lindsay Braun (Faculty & Co-chair), Eleftheria Kontou (Faculty & Co-chair), Sarthak Prasad (staff), Michele Guerra (staff), Paul Slezak (staff)

Agenda

10-10:30AM

* **Paul Slezak:** Initialization of EV Task Force (3.3)
  + Parking will initialize the task force likely SP22.
  + Next step: Send the list of recommended members to Parking.
  + TDM, F&S, and Parking are considering writing a Facilities Standard for EV charging stations.
* **Team:** [**EV Task Force Member Suggestions**](https://uofi.app.box.com/file/748645039439) **(3.3)**
  + Continue advertising this opportunity to network.
* **Update: Ria Kontou & Sarthak Prasad:** Fleet Vehicle Usage (3.1)
  + No update
    - RK and SP will speak to Pete Varney about Fleet Replacement plans.
  + The replacement of fleet vehicles depends on the technology and vehicle availability.
    - Postal service used a new manufacturer for EVs to replace their fleet vehicles.
    - A large proportion of the fleet are ford trucks and vans, which are difficult to replace with fully EV.
  + Communication to manufacturers of need for heavy-use or large load vehicles may be helpful.
    - Potential for a company to pilot larger EV with UIUC’s fleet.
    - Building a rapport with these manufacturers may allow for a quicker transition to EV and facilitate achievements of these fleet vehicle replacement plans.
* **Team: Air Travel Emissions (3.5)**
  + No comment.
* Roundtable Discussion:
  + 3.2: Increase PCI Index to 65 by FY25
    - PCI Test in 2020 🡪 65
      * Certain lifespan expected; maintenance extends lifespan.
      * Once PCI decreases beyond 55, road maintenance increases drastically.
        + Aim is to keep PCI above 55.
    - Goal to get all University roads to 70 by 2030.
    - The PCI depends on the vehicles tracking on the roads, weathering, and traffic.
    - This objective depends on the funding available, as these projects are high capital.
  + 3.4: Reduce Driving on Campus and Staff SOV trips 10% by 2025.
  + 3.4.2: Continue to Implement Bike Plan
    - No construction projects ATM.
    - No need for support at this moment.

10:30-11AM

* Select Intern: Intern Solicitation Process (3.4, 3.4.1, 3.4.3)
  + Audrey Freeman has been selected as the intern.

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| Objective | Objective description | Potentially Interested Members | Potential Recommendation Ideas | Required tasks |
| 3.1 | 80% Fleet Replacement Plans by FY24 | Lindsay Braun |  |  |
| 3.2 | Increase PCI to 65 by FY25 | Sarthak Prasad, Stacey DeLorenzo |  |  |
| 3.3 | Parking Department EV Task Force | Eleftheria Kontou, Paul Slezak |  |  |
| 3.4 | Reduce driving on campus and staff SOV trips 10% by 2025. | Lindsay Braun, Sarthak Prasad |  |  |
| 3.4.1 | Develop a commuter program | Lindsay Braun, Sarthak Prasad, Intern |  |  |
| 3.4.2 | Continue to implement Campus Bike Plan | Sarthak Prasad, Claire Rathslag |  |  |
| 3.4.3 | Establish campus telecommunicating policies by FY24 | Intern, Sarthak Prasad |  | Develop an inventory of campus teleconferencing  facilities and their accessibility by  the end of FY21. SWATeam members will help  iSEE develop a standardized form for distribution  to campus units and departments. The  form will record availability of teleconferencing  facilities within campus buildings; specifically,  rooms with high-quality teleconferencing capabilities  And/or the ability to hold group meetings remotely. |
| 3.5 | Reduce net air travel emissions by 50% from FY14 baseline by FY24. |  | Develop comprehensive local offsets program |  |

Roundtable Discussions

Recommendations Wishlist

* Replace the entire UI fleet of vehicles that are run on fossil fuels as quickly as possible. At a minimum replace these vehicles with electric vehicles at a rate of 10% of the fleet per year to reach goal of 100% electric by 2030.
* Support CMP by increasing pedestrian safety by reevaluating current pedestrian routes and conducting traffic studies.
* Make sure the ZipCars continue to serve at popular locations. - Setup a fund to pay for those parking spaces or ask Parking not to charge the department or something.
* a survey of faculty and staff to explore possibilities for reducing air travel
* Identify campus intersections and mid-block crossings with high potential for crashes, and develop/implement design improvement strategies
* "Establish a University of Illinois Foundation fund to support campus efforts to reduce and within 10 years eliminate use of fossil fuel.
* Encourage faculty and staff to obtain electric vehicles by offering markedly reduced (or free) campus parking. These costs can be recovered through UI Foundation funds dedicated to support reduced fossil fuel use. (mentioned above). Additionally, increased parking rates for fossil fuel vehicles could provide resources to support the reduced income attributable to the lower fees for electric vehicles.
* Tie parking fees to the gas mileage of the vehicles parking on UI lots. Parking of cars that use fossil fuels and get low mileage per gallon would cost much more than cars that get more miles per gallon.
* Recommending new bus routes in accordance with MTD
* Working with MTD to promote better bus service to the i-Hotel and Research Park
* Coordinate with MTD to provide input on route/network redesign efforts; Develop and promote online training module to educate pedestrians, bicyclists, AND drivers about the rules of the road
* Sustainable asphalt binders (AKA “bio-binders”)