**2022 Meeting Agenda: Air Quality and GHG Mitigation Committee (AMS 10)**

TRB 2022 Theme: “*Innovating an Equitable, Resilient, Sustainable, and Safe Transportation System*.”

**Date**: Tuesday, January 11, 2022

**Time**: 4:00 pm to 5:30 pm (U.S. Eastern Time)

**Place**: Liberty Salon NOP (M4), Marriott Marquis

Chris Porter, Cambridge Systematics, Meeting Facilitator, on behalf of:

* + Doug Eisinger, Sonoma Technology, Committee Chair
  + Marianne Hatzopoulou, Univ. of Toronto, Committee Research Coordinator
  + Greg Rowangould, Univ. of Vermont, Paper Review Coordinator

1. Introductions (Chris Porter)
   * Attendees introductions, who you are, where do you work, and what do you do?
2. Paper reviews, TRB: outcomes, 2021-2022 team (Greg Rowangould)
   * Approach is to divide and conquer the review process. Welcome to join if interested contact Greg Rowangould. Had 9 paper handlers between members and friends of the committee. Increase number of submissions relative to last year - 106 and 54 for presentation and publication, respectively. Accepted 57 for presentation and forwarded 10 to TRB. Multiple cancellation due to COVID but still have two papers left for lectern session.
3. Paper reviews, TRR (Roger Wayson)
4. Young Members Coordinating Council: overview and activities (Suzie Boxman)
   * First meeting for young members, variety of topics this evening, planning next year’s annual meeting. Members here are welcome to be involved, discuss future research opportunities.
5. Invited talk: 2022 Best Paper Recognition

* David Gohlke et al., Argonne National Laboratory: “Mitigation of Emissions and Energy Consumption due to Light-Duty Vehicle Size Increases,” TRBAM-22-01412 (recorded)

1. Section updates (Tim Sexton)
   * This committee will play a key role in advancing various TRB initiatives. 9,000 registered but how many showed up still in flux. Theme for next year is still TBD. Diversity equity and inclusion – Equity and environmental justice. TRB is going beyond research but also looking at who is in the “Room”. **Action item for attendees to update your account information and demographics based on the alignment with the U.S. census. Please go to MyTRB and update your information. Update on conference (look at recording).** Thanked Chris for stepping in last minute.
2. Open Forum (Chris Porter)
   * Presentation by Chris Porter on “How can we reduce transportation GHG emissions 50% by 2030?”
   * Where do we overlap and are different from other related TRB committees, including AMS 30 (Energy) and AMS 40 (Alternative Fuels)?
   * What meeting formats work best for you?
   * How can we consider electric vehicle implementation in highway emissions studies?
     1. Need tools/guidance for considering full life cycle of the energy and emissions of electric vehicles. Right now our tools only look at on-road tailpipe emissions. Anything off the road is not well studied. How do we consider GHG emissions from electricity generation? What if different parts of our state have different grid systems and emission rates?
   * How do we consider working from home? What are the peak hours?
     1. Can look at empirical data (traffic or streetlight data). MOVES has inputs that consider timing of travel.
   * Electric bikes/vehicles – potential with energy prognosis given petroleum is a finite resource. Worth looking at the maximum emission reduction potential if there was a complete shift in energy.
   * Lack of capacity for lightweight vehicle production is a current challenge. Production also affecting electric vehicles.
3. Volunteer roles and appreciation for work in 2020 (G. Rowangould)
4. Adjourn (5:30 pm, EST)