

MINUTES OF COMMITTEE MEETING

ADC20 – Transportation and Air Quality Committee
Wednesday, January 14, 2008, 10:15am - 12:15pm
Washington Hilton Hotel, Monroe Room South
Washington, DC (TRB Annual Meeting)
(Agenda attached)

FOLLOW-UP ACTIONS

- **(all)** Review summary and forward corrections to Brian Bochner, b-bochner@tamu.edu .
- **(all)** Please submit suggestions for webinar topics (1.5 hours) to Bob O’Loughlin (roberto'loughlin@fhwa.dot.gov).
- Anyone wanting to be considered for appointment as member should submit a request with their qualifications to Bob O’Loughlin, roberto'loughlin@fhwa.dot.gov by Monday, February 11, 2008.
- **(all)** Please forward research suggestions on climate change to Julia Gamas (gamas.julia@epa.gov).
- **(all)** Please send any comments you have on the demo version of MOVES to John Zamurs (jzamurs@dot.state.ny.us) by January 29 for his AASHTO committee meeting on this subject. Additional comments will also be welcome after the meeting.
- **Bob O’Loughlin and Becky Lupes** will get together with Joe Zietsman to transfer webmaster duties to Joe.
- **(all)** Upon receipt of the paper review knowledge/skills matrix from **Bob O’Loughlin**, please update and return it to Bob.
- **(all committee liaisons)** Please report proposals or requests for co-sponsored activities to Bob O’Loughlin upon receipt.
- **Bob O’Loughlin** will secure a space for the ADC20 summer meeting in Portland.

ADC20 2008 Summer Meeting

Tentatively Tuesday, June 24, 2008

Prior to:

Air and Waste Management Association Conference

June 24-27, 2008

Portland, Oregon

1. ATTENDANCE

Jeffrey Ang-Olson	Michael Grant	Robin North
Matt Barth	Darryl Greer	Bob O'Loughlin
Kevin Black	Shauna Hallmark	Fengxiang Qiao
Brian Bochner	Aaron Hastings	Bruce Rymer
Emily Bondi	Paul Heishman	Mike Savonis
Kanok Boriboonsomsin	Cecilia Ho	Phillip Sheehy
Harold Brazil	David Hyder	Arnie Sherwood
John Byun	John Jaeckel	Richard Shores
David Calkins	Dewayne Johnson	Sarah Siwek
Tracy Clymer	Robert Kafalenos	John Storey
Cora Cook	Brian Kim	John Suhrbier
Gary Davies	Sue Kimbrough	Quan Tat
Crystalann Deardorff	Chris Klaus	Sara Tomlinson
Rich Denbow	Michael Krimmer	Mohan Venigalla
Chris Dresser	Mike Lawrence	Madhusudhan Venugopal
Doug Eisinger	Jie (Jane) Lin	Roger Wayson
Ahmed El-Aassar	Huan Liu	Jim Wilson
Mohamadreza Farzaneh	Victoria Martinez	Lei Yu
Julia Gamas	Larry McAuliffe	John Zamurs
Gordon Garry	Erin Morrow	Haibo Zhai
Shawn Gilbertson	Jonathan Nadler	Joe Zietsman
Christopher Grant		

(Note: Minutes are in order of TRB specified minutes outline, not order of agenda)

2. AGENDA (Attached)

3. GENERAL ITEMS FOR THE RECORD

- a. Call to Order
- b. Introductions
- c. TRB Announcements (Christy Gerencher, Kate Quinn)
 - i. ADC20 had the most papers submitted by any committee in this section – 44. Thanks to Matt Barth and Tracy Clymer for organizing and managing the reviews and to the reviewers for their work.
 - ii. TRB is starting to put on webinars. Each committee is asked to suggest one or more topics. Webinars are 1.5 hours long with 2-3 speakers and ½ hour for Q/A and discussions. Webinars may be co-sponsored with other committees. All ADC20 members and friends were requested to send suggestions to Bob O'Loughlin (roberto'loughlin@fhwa.dot.gov).
 - iii. ADC20 membership will be rotated during 2008. Members with nine year duration will be rotated off; others may be too. Committee is to be staffed to provide a range in specialties, geography, employer type, etc. Committee limits: 25 regular

members, plus 5 international members, 2 young (<35) members. Young members lose their young status on their 35th birthday. Anyone wanting to be considered for appointment as member should submit a request with their qualifications to Bob O'Loughlin, roberto'loughlin@fhwa.dot.gov by Monday, February 11, 2008.

- iv. Next year's annual meeting theme will be energy and climate change.
- v. TRB is working to make younger members, the future of TRB, more comfortable with the annual meeting. Our help will be appreciated.
- vi. TRB will sponsor a joint environmental/energy conference in 2010, probably in Virginia.
- vii. The TRB research database (proposed research) is up and running; please use it and update it.

d. Committee announcements

- i. John Suhrbier was elected ADC20 Emeritus Member in recognition of his long and meritorious service to this committee. Congratulations, John!
- ii. Shauna Hallmark was presented an ADC20 special service award for her extensive work to organize conferences, research statements, paper reviews and other major accomplishments over the past few years. Thank you Shauna and congratulations!
- iii. TRB is establishing a Climate Change Task Force composed of members from a number of relevant committees. That task force will coordinate all TRB committee climate change activities. Julia Gamas was appointed as the ADC20 member. They will also generate a research agenda, so forward any suggestions to Julia (gamas.julia@epa.gov).
- iv. ADC20 will sponsor a workshop, Data for Goods Movement Impacts on Air Quality (related to air quality) at the Beckman Center in Irvine, California, March 17-19, 2008. ADC20 members are encouraged to attend. Matt Barth was ADC20's lead organizer.
- v. The proceedings of last summer's conference is currently being published and should soon be posted on the ADC20 website.
- vi. Becky Lupes will rotate off ADC20 this year. The committee is seeking a volunteer to take over the website as webmaster in her place. The primary work is to update the website to add new information and remove the old, but some upgrading may be needed. Bob O'Loughlin said there could be funds available for any software required. Joe Zietsman of the Texas Transportation Institute, zietsman@tamu.edu volunteered to take on this role.
- vii. ADC20 workshops, sessions.
 - 1. ADC20's Sunday morning workshop, session 113, Addressing Data and Integration Issues for the EPA MOVES Model was attended by about 50 people. It featured lessons learned in Beta testing of the software. The workshop was considered excellent by Bob O'Loughlin. FHWA and EPA are considering a follow-up workshop. In related discussion, the following currently anticipated schedule was provided for MOVES evolution to deployment:
 - a. Fall '08 – “full draft” with real emission factors; GHG factors are already included.
 - b. Fall '09 – final highway version for use
 - c. 2010+ - nonroad, other extensions

John Zamurs (jzamurs@dot.sttae.ny.us) is AASHTO's advisor for MOVES; he is looking for user comments prior to his January 29 meeting or after that, too. Also there is planned a 1.5 day FHWA/EPA seminar on the demo version of MOVES; deployment to be announced.

2. The Sunday afternoon workshop, session 141, Cutting Carbs in the Transportation Sector: International Efforts to Address Global Climate Change, was co-sponsored with several committees and was also considered excellent.

The following sessions had not yet occurred at the time of this meeting:

3. Session 512 – Global Trends and Environmental Effects of Biofuels (co-sponsor)
4. Session 611 – Technology Innovations in Monitoring Traffic and Air Pollution
5. Session 679 – State Implementation Control Plans for Ozone and Fine Particles

e. Other announcements

1. FHWA STEP program – Cecilia Ho said FHWA will later this year issue proposals for its STEP program. They will have about \$2 million available for research in climate change. Sign up on the FHWA STEP program webpage to receive announcements.

4. Committee Program

- a. Harold Brazil made a presentation on work performed by the Metropolitan Transportation Commission (SF Bay area) titled “long Range Transportation Scenarios to Achieve Greenhouse Gas Emission Targets.”
- b. Liu Huan, Tsinghua University made a presentation titled “Major Sources of Air Pollution in China and Transportation Projects to address the problem.”

5. Committee Business

- a. Officer reports
 - i. Treasurer: Cecelia Ho reported that the balance as of last annual meeting was \$1,366.57. \$92.15 was paid out and no income has yet been received from last summer's conference. The current balance is \$1,274.42.
 - ii. Secretary: No business conducted on behalf of the committee other than the minutes.
- b. Paper reviews. There were 44 papers received and reviewed (down from 51 in 2007).

The profile of paper topics was:

- | | |
|-------------------------------------|----------|
| • I/M, higher emitters | 4 papers |
| • Light duty emissions models | 8 |
| • Heavy duty emissions models | 15 |
| • PEMS testing | 2 |
| • Dispersion modeling | 5 |
| • MOBILE/MOVES | 3 |
| • Congestion travel characteristics | 5 |
| • Cost-effectiveness forecasting | 2 |

Matt will rotate off the paper review leadership team and Tracy Clymer will ascend to the lead position. Jane Lin volunteered to work with Tracy for 2009.

- Bob O’Loughlin will send out the expertise matrix for updating for use in assigning papers for review. Members should include those areas in which they have competence.
- c. Subcommittee reports.
 - i. Regional air quality analysis (Mohan Venigalla) - this subcommittee has changed its direction and title from TCMs to a broader subject of regional air quality analysis. It had not yet met at the annual meeting.
 - ii. Project level analysis (Shauna Hallmark) – this subcommittee was also scheduled to meet later in the meeting. No report at this time.
 - d. ADC20 2008 summer meeting. Bob O’Loughlin proposed to again meet prior to the June 24-27, 2008 AWMA meeting in Portland, Oregon. The meeting is tentatively scheduled for June 24, the day prior to the start of the AWMA meeting, pending Bob’s success in obtaining a meeting room at Portland Metro.
 - e. Future ADC20 summer meetings. The following were proposed and accepted for subsequent ADC20 summer meetings:
 - i. 2009 – Transportation land use and air quality conference to be organized by ADC20, probably with some funding support from FHWA. Last summer’s similar conference required about a year to plan and organize.
 - ii. 2010 – meet as part of the TRB environmental/energy conference currently being considered for Williamsburg, Virginia.
 - f. Liaison reports – since most of the committees with which ADC20 maintains liaison had not yet met, updates were requested from only those that had something to report.
 - i. Travel Demand Management – Brian Bochner reported that Lori Diggins is the new chair. That committee is developing research proposals. One is on TDM measures with some performance measures related to air quality (proposing to use some California data). They will probably have a summer TDM conference in 2009 or 2010 and will ask ADC20 to be a co-sponsor.
 - ii. International Issues – Robin North reported that this committee had a successful workshop and has proposed a revision to TRB’s current definition of sustainability.
 - iii. Highway Capacity and Quality of Service – John Byun said that this committee is working to prepare the 2010 edition of the *Highway Capacity Manual*. He said that the committee has concluded that microsimulation will probably be considered an acceptable capacity analysis technique. Some new concepts are being developed for the manual.
 - iv. ASCE air quality committee – Roger Wayson reported that this committee was to meet at TRB.
 - v. AWMA – Shauna Hallmark reported that 44 papers on air quality topics have been submitted, many related to alternative fuels and airport modeling.
 - vi. New joint subcommittee on climate change – This subcommittee would be composed of members of three committees: ADC75, ADD40, and the new alternative fuels committee. It was to meet to discuss a proposed scope (examine approaches to both mitigation and adaptation associated with all modes of transportation) and research issues the subcommittee might focus on.
 - vii. AASHTO air quality – John Zamurs said that AASHTO is planning a project level air quality conference for state DOT personnel for October 2008. To assist state

DOT staff to attend, there will be funding assistance for those participants. The conference will likely be in or near New York.

- viii. Bob O'Loughlin asked that all liaisons report proposals or requests for co-sponsored activities to him upon receipt.

Att: agenda

Transportation and Air Quality Committee (ADC20) Meeting Agenda

<http://www.trbairquality.com>

Monday, January 14th, 2008

10:15-Noon

Hilton Hotel (Please check TRB program for room)

1. Call to Order/ Introductions/TRB Announcements (Bob O'Loughlin/Christy Gerencher) (10 mins.)
2. Approval of Meeting Minutes of January, 2007 (Attached)
3. Officers Reports (Cecilia Ho, Brian Bochner)
4. Report on the Sunday Workshop and Sessions (10 mins.)
5. Paper Review Process (Matt Barth, Tracy Clymer) (10 mins.)
6. Subcommittee Report (Mohan Venigalla, Shauna Hallmark) (5 mins.)
7. 2008 Summer Meeting- Air and Waste Management Association Conference, Portland, OR, June 23-27, 2008 (5 mins.)
8. Liaison Reports-
Brian Bochner, Transportation Demand Management;
Mike Lawrence, Energy and Alternative Fuels;
Rob Ireson, Urban Transportation Data and Information Systems;
Arnie Sherwood, Telecommunications;
Julia Gamas, Environmental Analysis in Transportation;
Roger Wayson, ASCE; Environmental Impacts of Aviation;
Shauna Hallmark, AWMA;
Veronica Davis, Transportation and Land Development;
John Koupal, Marine Environmental;
Robin North, International Transportation Issues;
Mohan Venigalla, Planning for Small and Medium Size Communities;
Randy Guensler, Congestion Pricing
Joon Byun, Highway Capacity and Quality of Service (15 mins.)
9. Technical Expertise Survey and Priority Areas for ADC 20 (10 mins.)
10. Presentation by Harold Brazil of the Metropolitan Transportation Commission, "Long Range Transportation Scenarios to Achieve Greenhouse Gas Emission Targets" (15 mins.)
11. Presentation by Liu Huan, Tsinghua University, "Major Sources of Air Pollution in China and Transportation Projects to Address the Problem" (15 mins.)
12. Adjourn