

**Meeting Summary  
TRB Transportation Air Quality Committee (ADC20)  
Washington, DC  
January 25, 2006, 7:30pm  
Bob O'Loughlin, chair**

**SECTION CHAIR'S BRIEFING**

Prior to initiating discussion on the formal agenda, TRB Environmental And Energy Section chair Kate Quinn provided a few section level updates. She said that the TRB strategic plan is to be revised and that committees will be asked for input. A prompt response is suggested so committees will be sure their input will be considered. Each committee is also being asked for its own strategic plan as well as performance measures to monitor success in achieving plan objectives.

Kate also said that committees are urged to meet this summer at meetings with other committees as ADC20 has in the past. Committees are encouraged to involve local universities in setting up programs.

Some time in the next year TRB will have another workshop to identify research topics.

Kate encouraged our committee to maintain 2 young members (under 30) plus 4 international members in addition to the quota of regular members. Bob O'Loughlin said ADC has now 2 young members and 2 international members.

**AGENDA DISCUSSION ITEMS**

**Approval Of January 2005 Meeting Summary**

The summary was approved with one correction that Randy Guensler is no longer liaison to the data collection/pricing committee.

**Review of ADC20's Sunday Workshop and Sessions**

The Sunday workshop focusing on air quality implications of freight movement drew about 40 attendees for a discussion covering both trucking and aviation. There was good discussion and suggestions regarding gaps in existing research.

The first of our sponsored sessions was on PM and ozone reduction strategies and drew about 50 attendees. It had local, regional and federal speakers on what is expected to occur during the next few years. The second of our sponsored sessions, which addressed project level air toxics modeling, drew about 25 people. We also co-sponsored a Monday session on alternative fuels.

All presentations will be posted on the ADC20 website, [www.trbairquality.com](http://www.trbairquality.com).

## **Committee Liaison Reports**

- Brian Bochner, Transportation Demand Management (ABE50) – that committee seems to have re-energized and the meeting was well attended. They identified a need for standardized procedures for measuring and evaluating impacts of TDM projects, which would feed into some of the transportation control measures for nonattainment areas. This would be useful for CMAQ project evaluation.
- Mike Lawrence, Energy and Alternative Fuels – This committee will address climate change in an annual conference.
- Need new liaison (Randy Guensler reported), Data Committee/Pricing Committee – This is now a full committee. They sponsored a workshop plus a poster session. They also discussed a current federal RFP for \$3M in no-toll pricing projects.
- Rob Ireson (Chris Klaus reported), Urban Transportation Data and Information Systems – SAFETEA-LU will reduce funding and consequently data availability. FHWA is to reassess approaches to HPMS. The committee also discussed other related research topics.
- Arnie Sherwood, Telecommunications – no report
- Julia Gamas, Environmental Analysis in Transportation Committee (ADC10) – This committee discussed having input from all environmental committees to the *TRB News* article on environment. They are interested in coordinating crossover needs among committees as part of the strategic plan process. Their summer meeting will be in Seattle July 10-14. This committee is considering a 2007 conference on research; other committees would be encouraged to participate.
- Roger Wayson (Randy Guensler reported), ASCE (air quality) – this ASCE committee is reinvigorated with a new chair and is doing several projects with other committees. The new chair should become a liaison to ADC20. Roger will follow up with the new chair.
- Shauna Hallmark, AWMA – The summer meeting will be in New Orleans. There will be one poster session on air quality.
- Veronica Davis, Transportation and Land Development – “Access to Destinations” report is now available. The committee discussed two conferences including environmental issues. One is in Melbourne in June and will include a TOD tour. The meeting included a presentation on rural community best practices.
- John Koupal (Jim Corbett reported), Marine and Ports Environmental Task Force – This committee put on a workshop at the annual meeting.
- Robin North, International Transportation Issues – The committee has interest in models and data collection to evaluate air quality impacts.
- Mohan Venigalla, Planning for Small and Medium Size Communities: Air Quality Subcommittee – They will hold their summer meeting in Nashville. They will also put on a workshop in 2007 on best practices for establishing emissions inventories and conformity for small communities; there is an opportunity to partner with ADC20. There was a question if TRB could do a webcast to reach constituents since many cannot afford to travel to TRB.
- Roger Wayson (Randy Guensler reported), Environmental Impacts of Aviation – The committee discussion included reports that work on PM is being considered at the Committee on Aviation Environmental Protection (CAEP) level of the International Civil Aviation Organization (ICAO) and a new first order approximation (FOA) is being developed and should be out later this year. PARTNER, the FAA center for excellence for emissions and noise, is quite active. In air quality it is working on PM measurements, toxic emissions, and health effects. TRB AVO30 is becoming more active and coordination of

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activities with that committee could be worthwhile. Also, the Emission and Dispersion Modeling System (EDMS) development continues with EDMS 5.0 in July.

### **TRB Staff Liaison Report**

Kim Fisher presented special recognition certificates to Mohan Venigalla, Shauna Hallmark, and Rob Ireson for their recent exceptional efforts on behalf of ADC20. All were publicly congratulated and thanked for their huge efforts and outstanding work. *Congratulations and thank you to Shauna, Mohan, and Rob!!*

Kim asked for any suggestions that might improve the TRB annual meeting. Anyone having suggestions should send them to Kim.

Kim is being reassigned to another role within TRB and Christi Gerencher will be the new staff liaison for ADC20.

### **Paper Reviews**

Mohan Venigalla reported that one of ADC20's 2004 papers (from Georgia Tech) was given the Pike Johnson Award and that only one such award was given per about 700 papers. Mohan also said this was the first such award in three years.

ADC20 received 52 papers for review for the 2006 program. Mohan, Shauna Hallmark, Rob Ireson and Bob O'Loughlin all worked together as a team to get the reviews coordinated and in from the committee members and friends. Thirty papers were selected to be presented in sessions or as posters; up to 30% may be recommended for publication (still to be selected). Committee members were reminded that all papers must have at least three reviews and that all members are expected to complete at least three reviews.

Rob Ireson will assume the lead role in the 2007 paper review process. Matt Barth will assist.

### **Officer Reports**

The treasurer's report will be transmitted after Bob receives it from Cecilia Ho. Secretary Brian Bochner did not have anything to report that needed committee time.

### **2006 Summer Meeting**

Three options were discussed for the ADC20 summer meeting:

- Meet at AWMA (New Orleans)
  - Shauna Hallmark is on AWMA organizing committee
  - We could meet on Monday or Tuesday or Friday without conflicting with AWMA air quality presentations
- Orlando location
  - Independent meeting, but could coordinate with Freight Data Committee which is also organizing a meeting

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- Proposed 3<sup>rd</sup> week of July
- Sunday workshop plus 1½ days for 6-7 sessions
- Roger Wayson and Randy Guensler would be organizers
- Randy said this could also be done for 2007
- LaJolla (Hyatt)
  - July 8-12 with Planning Economics and Freight Committees
  - Could have a workshop
  - Coordinate with Planning Economics and Freight Committees if interested

No clear preference was shown and no decision was made, but Bob O'Loughlin will contact the key people interested in helping to organize the sessions and make a decision.

### **Subcommittee Reports**

#### ADC20(3) Transportation Control Measures

Mohan Venigalla stated that this subcommittee discussed topics for needed research (or information dissemination if the topics have already been researched). Topics included:

- CMAQ project evaluation guidebook
- HOT lane/value pricing
- Hybrid vehicles on HOV lanes
- Effectiveness of voluntary and outreach programs on emissions
- Heavy duty diesel vehicles and their impacts on PM and toxics
- Speed control as an emissions control technique

The subcommittee may submit some of these as project statements for submittal by ADC20.

#### ADC20(2) Project level Air Quality Analysis

Shauna Hallmark said that this subcommittee has suggested putting on a modeling workshop. The subcommittee also has developed several possible research topics for which they will write up research project statements for the highest priority topics that have not already been done.

### **Research Needs Statements**

FHWA will shortly be reviewing its compilation of research needs. Cecelia Ho is heading the air quality topics review. It was suggested that ADC20 representatives might want to discuss topics with Cecelia. Bob O'Loughlin ([Robert.O'Loughlin@fhwa.dot.gov](mailto:Robert.O'Loughlin@fhwa.dot.gov)) requested that ADC20 members send him their suggestions, in research project statement form, so he could review them with Cecelia. Bob will compile the suggestions, then circulate them for committee comment.

Randy Guensler agreed to prepare an input form and place it on the ADC20 website. Randy will send the previous three lists of suggested research topics to Becky Lupes for her to post on the website.

### **SAFETEA-LU Update**

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Gary Jensen and Rob Kalafenos provided some information on the latest rules and guidance from FHWA. Gary said that interim guidance on conformity provisions should be out in the next two months or so. Among the provisions are:

- Conformity will be required within 2 years of approval of new budgets
- New conformity will be required at least every four years as will TIP updates
- MPOs will have some flexibility in selecting conformity horizons which will have to be at least every 10 years plus attainment year
- TCM substitutions will be permitted without SIP revisions
- There will be a 12 month grace period before a lapse is effective if a conformity deadline is missed
- Conformity SIPs are being reduced in content
- For PM<sub>2.5</sub> hot spot requirements:
  - Final rule expected by end of March and will be effective April 5, 2006
  - Some analysis will be required for some projects
  - Very little time will be available before the effective date

Rob Kalafenos said that FHWA CMAQ guidance will have some new sections. FHWA will soon send the proposed guidance to EPA for review.

### **Air Quality Research on ADC20 Website**

Shauna Hallmark has placed some links on the ADC20 website (under “links”) to air quality research. More could be added to make the set of links more complete. Bob O’Loughlin ([Robert.O’Loughlin@fhwa.dot.gov](mailto:Robert.O’Loughlin@fhwa.dot.gov)) is seeking ADC20 volunteers to help identify the appropriate links.

### **Other**

- We could have an air quality article in the value pricing issue of TRB News. Mike Lawrence is preparing the articles for this special issue. He would take one article or a “hotbox” or sidebar containing air quality topic(s). Matt Barth mentioned that a California project is being done on air quality implications of value pricing and that project could be considered as a subject for such an article or summary.
- Members are encouraged to check the committee website to make sure their contact information is correct. Contact Becky Lupes ([rebecca.dennison@fhwa.dot.gov](mailto:rebecca.dennison@fhwa.dot.gov)) if changes are needed. She will be overhauling the website and will delete old liaison reports and other out-of-date content.

Respectfully submitted  
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