

**TRANSPORTATION RESEARCH BOARD**  
**ENVIRONMENTAL IMPACTS OF AVIATION AV030(1)**  
**SUSTAINABILITY SUBCOMMITTEE MEETING**  
Tuesday, January 13, 2009, 1:30 – 3:15 PM  
Washington, DC

1. **ATTENDANCE** (see Section 3 introductions)

2. **AGENDA** (attached)

3. **INTRODUCTIONS AND AGENDA REVIEW**

Burr Stewart, Subcommittee Chair, welcomed participants and explained that there is no official membership list for the subcommittee. Anyone interested in joining should sign up on the sign-in sheet.

Participants introduced themselves and discussed their burning issues on sustainability.

- Burr Stewart – using visual tools to integrate and communicate dimensions of sustainability.
- Judith Patterson – how to get back to 350 ppm CO<sub>2</sub>.
- John Pehrson – would like to see research showing there is not an issue.
- Gail Staba – tackling low hanging fruit.
- Steven Davis-Mendelow – sustainability in a fossil fuel based industry; building a “green airport” and the obstacles to achieving it; defining sustainability.
- Mary Ellen Eagan – common definition of sustainability.
- Jennifer Salerno – low hanging fruit; biodiversity impacts.
- Doug Smith – risks of aircraft related emissions; life-cycle issues.
- Gene Peters – industry standards for evaluating sustainability measures and defining metrics, especially non-building related activities; democracy of sustainability.
- Kevin Welsh – need common definition.
- Andy MacTaggart – alternative fuels.
- Dave Bell – definition of sustainability.
- Joanne Potter – sustainability solutions need to be cross-modal; impact of cultural, behavioral practices on need to reduce carbon.
- Leo Roy – transportation more broadly; mode-shifting (life-cycle analysis comparison).
- Darcy Zarubiak – integrating sustainability into financing decisions.
- Calvin Davenger – introducing BMPs to airlines.
- Cheryl Koshuta – getting at life-cycle costs and the broader definition of sustainability.
- Brian Kim – models, tools, processes, methods improved to provide better information for decision-making.
- John Putnam – trying to understand the big picture of sustainability.
- Jessica Steinhilber – making sustainability understandable to those implementing it.
- Roger Wayson – the definition of sustainability is ever changing.
- Alexis Roque – trying to get an understanding of sustainability

- Elaine Croft – what is a sustainable airport and how does it integrate into the community.
- Phil Devita – incorporating alternative energy sources and increasing energy efficiency, balancing sustainability principles.
- Natalia Sizov – reducing noise.
- Antony Evans – solutions for the developing world.
- Tony Dziepak – accounting for externalities; multi-modal transportation issues.
- TJ Schulz – Incorporating sustainability concepts into airside projects, possibly with standards and certification. ACC, ACI-NA, others, working to gather broad compilation of sustainability initiatives.
- Mary Vigilante – getting beyond green to full sustainability concepts, particular at the decision-maker level.
- Dean Mericas – how to sell sustainability to the people in the trenches – operations, maintenance.
- Julie Unland – restrictions for using public money for sustainability-related projects.
- Steve Zellers
- Stacey Falearno

4. **SUB-COMMITTEE WORK PROGRAM UPDATES:**

a. **ACRP Updates and Input**

- Mike Salamone discussed the ACRP problem statement solicitation process. Problem statements will be accepted through late April for consideration by the AOC in July. Project panels will begin late summer where RFPs are developed and later posted for contractor solicitation. To be notified of ACRP announcements, including RFP availability, sign up for the ACRP email list through the TRB website.
- Participants suggested TRB print fewer documents and use more recycled/recyclable paper for printed documents.
- Gail Staba discussed the ACRP Synthesis Report on Airport Sustainability, which is available on the ACRP website. The report documents sustainability practices in place at airports around the world. As a next step, visualizing the practices may be useful.
- 2009 ACRP Synthesis projects about to get underway addressing project activation and energy efficiency.
- Research ideas can be sent to John Pehrson.

b. **Communications/Website** – Mary Ellen Eagan

Mary Ellen will post material to the subcommittee's website. It may be helpful to have someone organize relevant information for her. Jenn Salerno is willing to help.

c. **Graphics** – Burr Stewart, Jenn Salerno, Rose Agnew

Significant progress has not been made, but will continue.

d. **Modeling & Economics** – (need a new volunteer for this)(see ACRP '09)

Brian Kim volunteered to help work on this concept.

e. **EMS/SMS/ISO 14001** – Darcy Zarubiak, Roger Johnson

Darcy will discuss sustainability concepts document developed for ABQ at session tomorrow. Roger worked with CDM to develop sustainability guidance document for LAWA projects. At the next meeting, FAA will report on progress in developing a national EMS.

f. **Membership/Recruitment & Issue sign-ups** – All

We are always looking for additional participants, particularly NGOs. Send additional contacts to Burr. It was suggested to add financial expertise.

g. **Paper review volunteers** – All

Anyone interested in reviewing papers the subcommittee receives should express interest to Burr.

h. **Liaison reports** – All

i. AV030(2) aviation climate change subcommittee – John Putnam

The subcommittee met just prior to this meeting.

ii. ADC75 Climate Change Joint Subcommittee of ADC 75 & ADD40

Updated at climate change subcommittee.

iii. ABC10 – Strategic Management – Burr Stewart

Very linked to concepts of sustainability.

iv. ADD40 – Transportation and Sustainability

This was covered at the committee meeting. This subcommittee could be a joint subcommittee with ADD40.

v. Others (performance measurement, environmental justice, etc.)

Burr discussed other committees that may be of interest to this subcommittee.

5. **MID-YEAR MEETING PLANNING**

The mid-year meeting will be held in conjunction with the AV030 meeting, Los Angeles, April 28-29.

6. **2009 TRB SESSION TOPICS AND CALLS FOR PAPERS** – All

The call for papers will go out **??**. Burr will work with John Pehrson on this.

7. **SECRETARY'S REPORT** – Jessica Steinhilber

Nothing additional to report.

8. **ADJOURN**

Burr closed the meeting at 3:15pm.