

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Meeting of the Roundtable on Science and Technology for Sustainability Agenda (10/16/07)

**October 18-19, 2007
The National Academy of Sciences Building
2100 C St. N.W., Washington, D.C.**

Background material included:

Tab 1: Hotel / Travel Information and Travel Reimbursement Form

Tab 2: Roundtable Membership and Bios

Tab 3: Sustainability at the National Academies (September 2007 Newsletter)

Thursday, October 18th

4:00 pm **Meeting of Energy Task Force** (*Members Room*) (John Carberry)

Background material included:

Tab 4: STS Roundtable Energy Task Force Membership

Tab 5: America's Energy Future: Technology Opportunities, Risks and Tradeoffs (Overview, Committee List, and Presentation)

Tab 6: Energy Futures and Urban Air Pollution: Challenges for China and the United States (Executive Summary)

Tab 7: Energy Efficiency Standards: Alternative Approaches to Measurement (Task Statement)

Tab 8: Sustainable Urban Energy Use: Influencing Behavior and Consumption (9/20 draft – an updated version will be shared at this meeting)

Tab 9: Sustainable Energy Indicators (9/20 draft – an updated version will be shared at this meeting)

6:00 pm **Working Dinner** (*Executive Dining Room*) (Presenter – Harold Schmitz, Ph.D., Chief Science Officer, Mars, Inc.)

Friday, October 19th (*Lecture Room*)

7:30 am **Breakfast available**

7:45 am **Meeting of the Partnerships Task Force** (Emmy Simmons)

Background material included:

Tab 14: *Partnerships for Sustainability: How Can Lessons Learned Inform Future Efforts* (CSD Side Event – Program and Event CD (located in the front pocket of your binder))

Tab 16: *Partnerships for Sustainability: Examining the Evidence* (Proposal Summary and Case Study Candidates)

- 8:30 am **Welcome, Introductions and Meeting Goals** (Pam Matson, Emmy Simmons)
- New Co-chair—Emmy Simmons
 - New Staff Director—Marty Perreault
 - New Members

Roundtable Discussion: Share updates (up to 2 minutes per person) on your work related to S&T for Sustainability (if desired, please bring a 1-2 page handout).

Background material included:

Tab 2: Roundtable Membership and Bios

- 9:15 am **PNAS Sustainability Science** (Bill Clark, Pam Matson)

Background material included:

Tab 10:

- *Going Beyond Panaceas* PNAS Special Feature Article List (9/25/07)
- *Going Beyond Panaceas* (Elinor Ostrom, Marco Janssen, and John Anderies), PNAS Special Feature: Introductory Perspective, 9/25/07.
- *Future Challenges* (Charles Perrings), PNAS Special Feature: Perspective, 9/25/07.
- *A Diagnostic Approach for Going Beyond Panaceas* (Elinor Ostrom), PNAS Special Feature: Perspective, 9/25/07.
- *Sustainable Health: A New Dimension of Sustainability Science* (Barry Bloom), Editorial, PNAS, 10/9/2007.

- 9:30 am **Transitioning to Sustainability through Research and Development on Ecosystem Services and Biofuels: The National Academies' First Federal Sustainability Research and Development Forum** (Pam Matson)

- Lessons Learned
- Future Forums

Roundtable Discussion: What did each Roundtable Member get out of the Forum? What could the Roundtable do as a follow up to the Forum?

Background material included:

Tab 11: Forum Agenda (The background material for the Forum can be found on the CD in the front pocket of your binder.)

- 10:30 am **Energy** (John Carberry)

- Overview - *America's Energy Future: Technology Opportunities, Risks and Tradeoffs* (Peter Blair)
- Report Release - *Energy Futures and Air Pollution in Urban China and the United States* (Derek Vollmer)
- Update from Roundtable's Energy Task Force (John Carberry)

Roundtable Discussion: What could the Roundtable be doing on sustainable energy?

Background material included:

Tab 4: STS Roundtable Energy Task Force Membership

Tab 5: America's Energy Future: Technology Opportunities, Risks

- and Tradeoffs (Overview, Committee List, and Presentation)
- Tab 6: Energy Futures and Urban Air Pollution: Challenges for China and the United States (Executive Summary)
- Tab 7: Energy Efficiency Standards: Alternative Approaches to Measurement (Task Statement)
- Tab 8: Sustainable Urban Energy Use: Influencing Behavior and Consumption (9/20 draft – an updated version will be shared at this meeting)
- Tab 9: Sustainable Energy Indicators (9/20 draft – an updated version will be shared at this meeting)

11:45 pm

Working Lunch: Sustainability and Food Security (Sam Dryden)

- Report Release - *Water Implications of Biofuels Production in the United States* (Stephen Parker)
- *A Study of Technologies to Benefit Farmers in Africa and South Asia* (Robin Schoen)
- *Twenty-First Century Systems Agriculture* (Robin Schoen)

Roundtable Discussion: What could the Roundtable be doing on food security?

Background material included:

- Tab 12: Water Implications of Biofuels Production in the United States (Overview and Colloquium Agenda)
- Tab 13: *A Study of Technologies to Benefit Farmers in Africa and South Asia* (Overview and Committee List) and *Twenty-First Century Systems Agriculture* (Overview)

12:45 pm

Partnerships for Sustainability (Emmy Simmons)

- Update - CSD Side Event (Emmy)
- Overview - Government-University-Industry Research Roundtable (GUIRR) meeting on *Environmental Sustainability: A Path Forward via Government-University-Industry Partnerships* (Merrilea Mayo)
- Funding Status and Plans for Moving Forward (Emmy)

Roundtable Discussion: What are suggested partnerships to highlight in the case studies?

Background material included:

- Tab 14: *Partnerships for Sustainability: How Can Lessons Learned Inform Future Efforts* (CSD Side Event – Program and Event CD (located in the front pocket of your binder))
- Tab 15: *Environmental Sustainability: A Path Forward via Government-University-Industry Partnerships* (Meeting Agenda and Membership List)
- Tab 16: *Partnerships for Sustainability: Examining the Evidence* (Proposal Summary and Case Study Candidates)

1:30 pm

Roundtable Discussion: What is the single most important initiative for the Roundtable to pursue? (Member round-robin then general discussion)

2:00 pm

Adjourn – Thank you and safe travels!