

# 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 18<sup>th</sup>

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 19<sup>th</sup> (*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	<b>Welcome, Introductions and Meeting Goals</b> (Pam Matson, Emmy Simmons) <ul style="list-style-type: none"> <li>• New Co-chair—Emmy Simmons</li> <li>• New Staff Director—Marty Perreault</li> <li>• New Members</li> </ul>
	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).
	<u>Background material included:</u>
	Tab 2: Roundtable Membership and Bios
9:15 am	<b>PNAS Sustainability Science</b> (Bill Clark, Pam Matson)
	<u>Background material included:</u>
	Tab 10:
	<ul style="list-style-type: none"> <li>- <i>Going Beyond Panaceas</i> PNAS Special Feature Article List (9/25/07)</li> <li>- <i>Going Beyond Panaceas</i> (Elinor Ostrom, Marco Janssen, and John Andries), PNAS Special Feature: Introductory Perspective, 9/25/07.</li> <li>- <i>Future Challenges</i> (Charles Perrings), PNAS Special Feature: Perspective, 9/25/07.</li> <li>- <i>A Diagnostic Approach for Going Beyond Panaceas</i> (Elinor Ostrom), PNAS Special Feature: Perspective, 9/25/07.</li> <li>- <i>Sustainable Health: A New Dimension of Sustainability Science</i> (Barry Bloom), Editorial, PNAS, 10/9/2007.</li> </ul>
9:30 am	<b>Transitioning to Sustainability through Research and Development on Ecosystem Services and Biofuels: The National Academies' First Federal Sustainability Research and Development Forum</b> (Pam Matson)
	<ul style="list-style-type: none"> <li>• Lessons Learned</li> <li>• Future Forums</li> </ul>
	Roundtable Discussion: What did each Roundtable Member get out of the Forum? What could the Roundtable do as a follow up to the Forum?
	<u>Background material included:</u>
	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	<b>Energy</b> (John Carberry)
	<ul style="list-style-type: none"> <li>• Overview - <i>America's Energy Future: Technology Opportunities, Risks and Tradeoffs</i> (Peter Blair)</li> <li>• Report Release - <i>Energy Futures and Air Pollution in Urban China and the United States</i> (Derek Vollmer)</li> <li>• Update from Roundtable's Energy Task Force (John Carberry)</li> </ul>
	Roundtable Discussion: What could the Roundtable be doing on sustainable energy?
	<u>Background material included:</u>
	Tab 4: STS Roundtable Energy Task Force Membership
	Tab 5: <i>America's Energy Future: Technology Opportunities, Risks</i>

	<p>and Tradeoffs (Overview, Committee List, and Presentation)</p> <p>Tab 6: Energy Futures and Urban Air Pollution: Challenges for China and the United States (Executive Summary)</p> <p>Tab 7: Energy Efficiency Standards: Alternative Approaches to Measurement (Task Statement)</p> <p>Tab 8: Sustainable Urban Energy Use: Influencing Behavior and Consumption (9/20 draft – an updated version will be shared at this meeting)</p> <p>Tab 9: Sustainable Energy Indicators (9/20 draft – an updated version will be shared at this meeting)</p>
11:45 pm	<p><b>Working Lunch: Sustainability and Food Security</b> (Sam Dryden)</p> <ul style="list-style-type: none"> <li>• Report Release - <i>Water Implications of Biofuels Production in the United States</i> (Stephen Parker)</li> <li>• <i>A Study of Technologies to Benefit Farmers in Africa and South Asia</i> (Robin Schoen)</li> <li>• <i>Twenty-First Century Systems Agriculture</i> (Robin Schoen)</li> </ul> <p>Roundtable Discussion: What could the Roundtable be doing on food security?</p> <p><u>Background material included:</u></p> <p>Tab 12: Water Implications of Biofuels Production in the United States (Overview and Colloquium Agenda)</p> <p>Tab 13: <i>A Study of Technologies to Benefit Farmers in Africa and South Asia</i> (Overview and Committee List) and <i>Twenty-First Century Systems Agriculture</i> (Overview)</p>
12:45 pm	<p><b>Partnerships for Sustainability</b> (Emmy Simmons)</p> <ul style="list-style-type: none"> <li>• Update - CSD Side Event (Emmy)</li> <li>• Overview - Government-University-Industry Research Roundtable (GUIRR) meeting on <i>Environmental Sustainability: A Path Forward via Government-University-Industry Partnerships</i> (Merrilea Mayo)</li> <li>• Funding Status and Plans for Moving Forward (Emmy)</li> </ul> <p>Roundtable Discussion: What are suggested partnerships to highlight in the case studies?</p> <p><u>Background material included:</u></p> <p>Tab 14: <i>Partnerships for Sustainability: How Can Lessons Learned Inform Future Efforts</i> (CSD Side Event – Program and Event CD (located in the front pocket of your binder))</p> <p>Tab 15: <i>Environmental Sustainability: A Path Forward via Government-University-Industry Partnerships</i> (Meeting Agenda and Membership List)</p> <p>Tab 16: <i>Partnerships for Sustainability: Examining the Evidence</i> (Proposal Summary and Case Study Candidates)</p>
1:30 pm	<p><b>Roundtable Discussion: What is the single most important initiative for the Roundtable to pursue? (Member round-robin then general discussion)</b></p>
2:00 pm	<p><b>Adjourn – Thank you and safe travels!</b></p>