

Agenda

Conference Chair: Russell Lee, Oak Ridge National Laboratory
Conference Facilitator: Douglas R. Brookman, Public Solutions, Inc.

MONDAY, MARCH 4, 2002

Time	Session
7:15 - 8:00	Continental breakfast
8:00 - 8:45	1. Conference Opening, Overview, Background, and Objectives <ul style="list-style-type: none">• Russell Lee, Oak Ridge National Laboratory• C. Michael Smith, Office of Fossil Energy, U.S. Department of Energy• Loretta Beaumont, U.S. House of Representatives Interior Appropriations Staff
8:45 - 9:30	2. Methods Currently Used by DOE Offices to Estimate the Benefits of Their R&D Programs <ul style="list-style-type: none">• Mary Beth Zimmerman, Office of Energy Efficiency and Renewable Energy, DOE• Jay Braitsch, Office of Fossil Energy, DOE• Trevor L. Cook, Office of Nuclear Energy, Science, and Technology, DOE• Robert Vallario, Office of Science, DOE
9:30 - 10:15	3. Federal Perspectives on Performance Measurement <ul style="list-style-type: none">• Jeanne Powell, Advanced Technology Program, National Institute of Standards and Technology• Robert Pearce, Office of Aerospace Technology, National Aeronautical and Space Administration• Robert C. Ricci, Volpe National Transportation Systems Center, U.S. Department of Transportation• Mark A. Weatherly, Office of Management and Budget
10:15 - 10:30	Break
10:30 - 11:00	4. Establishing a Starting Point for Discussion of a Methodological Framework for Defining R&D Benefits <p>National Research Council Framework for Defining the Benefits of R&D</p> <ul style="list-style-type: none">• Robert Fri, Resources for the Future• James L. Sweeney, Stanford University <p>Building on the Framework</p> <ul style="list-style-type: none">• Russell Lee, Oak Ridge National Laboratory

11:00 - 11:15	5. Structure, Goals, and Priorities of the Workshops <ul style="list-style-type: none"> Douglas R. Brookman, Public Solutions, Inc. 			
11:15 - 12:15	Workshop A: Prospective Benefits -- Cross-Cutting Issues <ul style="list-style-type: none"> Facilitator, Day 1: Lisa Frantzis, AD Little Rapporteur, Day 1: James L. Wolf, Independent Consultant A1. Framework for defining the benefits of R&D programs, and its use for GPRA and R&D planning and evaluation	Workshop B: Option Value <ul style="list-style-type: none"> Facilitator, Day 1: Nalin Kulatilaka, Boston University Rapporteur, Day 1: Brandon Owens, National Renewable Energy Laboratory B1. Framework for defining the benefits of R&D programs, and its use for GPRA and R&D planning and evaluation	Workshop C: Knowledge Value <ul style="list-style-type: none"> Facilitator, Day 1: Susan E. Cozzens, Georgia Institute of Technology Rapporteur, Day 1: Gretchen Jordan, Sandia National Laboratories C1. Framework for defining the benefits of R&D programs, and its use for GPRA and R&D planning and evaluation	Workshop D: Security, Economic, and Environmental Benefits <ul style="list-style-type: none"> Facilitator, Day 1: Rachel Winters, NYSERDA Rapporteur, Day 1: Paul Leiby, Oak Ridge National Laboratory D1. Framework for defining the benefits of R&D programs, and its use for GPRA and R&D planning and evaluation
12:15 - 1:30	Luncheon and Keynote Address <ul style="list-style-type: none"> William D. Magwood, IV, Director, Office of Nuclear Energy, Science, and Technology, U.S. Department of Energy 			
1:30 - 2:30	6. Summaries and Feedback on the Workshops' Discussions of a Benefits Framework <ul style="list-style-type: none"> James L. Wolf, Independent Consultant Brandon Owens, National Renewable Energy Laboratory Gretchen Jordan, Sandia National Laboratories Paul Leiby, Oak Ridge National Laboratory 			

2:30 - 4:00	<p>Workshop A: Prospective Benefits -- Cross-Cutting Issues</p> <p>A2. Defining and calculating the projected baseline on which new technologies are to be introduced</p> <ul style="list-style-type: none"> • Frances Wood, OnLocation • James Turnure, ICF Consulting • Robert L. Hirsch, RAND 	<p>Workshop B: Option Value</p> <p>B2. Definition of options and the calculation of option value</p> <ul style="list-style-type: none"> • John J. Wise, retired and formerly with Mobil Research and Development Co. • Graham Davis, Colorado School of Mines • Soussan Faiz, Independent Consultant • Gregory L. Hamm, Independent Consultant 	<p>Workshop C: Knowledge Value</p> <p>C2. Definition of knowledge value and indicators</p> <ul style="list-style-type: none"> • Irwin Feller, The Pennsylvania State University • Diana Hicks, CHI 	<p>Workshop D: Security, Economic, and Environmental Benefits</p> <p>D2. Security benefits of R&D on energy technologies and systems</p> <ul style="list-style-type: none"> • David L. Greene, Oak Ridge National Laboratory • John Stringer, EPRI • Paula L. Scalingi, The Scalingi Group • Marjorie L. Tatro, Sandia National Laboratories
4:00 - 4:15	Break			
4:15 - 5:30	<p>Workshop A: Prospective Benefits -- Cross-Cutting Issues</p> <p>A3. Continued discussion of projected baseline</p>	<p>Workshop B: Option Value</p> <p>B3. Continued discussion of option value</p>	<p>Workshop C: Knowledge Value</p> <p>C3. Continued discussion of knowledge value</p>	<p>Workshop D: Security, Economic, and Environmental, Benefits</p> <p>D3. Continued discussion of security benefits</p>
5:30 - 7:00	Reception			
7:00 on	<p>Dinner and Keynote Address</p> <ul style="list-style-type: none"> • Joseph S. Wholey, University of Southern California 			

TUESDAY, MARCH 5, 2002

Time	Session			
7:15 - 8:00	Continental breakfast			
8:00 - 9:00	<p>7. Review the First Day's Workshops and Review of the Second Day of Workshops</p> <ul style="list-style-type: none"> • James L. Wolf, Independent Consultant • Brandon Owens, National Renewable Energy Laboratory • Gretchen Jordan, Sandia National Laboratories • Paul Leiby, Oak Ridge National Laboratory 			
9:00 - 10:30	<p>Workshop A: Prospective Benefits -- Cross-Cutting Issues</p> <ul style="list-style-type: none"> • Facilitator, Day 2: Lisa Frantzis, AD Little • Rapporteur, Day 2: James L. Wolf, independent consultant <p>A4. The effect of a government's R&D program on technology deployment and use</p> <ul style="list-style-type: none"> • Ric Cheston, General Accounting Office • Thomas Pelsoci, Delta Research Co. • Rosalie Ruegg, TIA Consulting 	<p>Workshop B: Option Value</p> <ul style="list-style-type: none"> • Facilitator, Day 2: Dennis Clough, Aspen Systems • Rapporteur, Day 2: Brandon Owens, National Renewable Energy Laboratory <p>B4. The baseline scenario for option-value calculations</p> <p>Selected participants from Workshop A will join this session</p>	<p>Workshop C: Knowledge Value</p> <ul style="list-style-type: none"> • Facilitator, Day 2: Susan E. Cozzens, Georgia Institute of Technology • Rapporteur, Day 2: Gretchen Jordan, Sandia National Laboratories <p>C4. The baseline scenario for knowledge-value calculations</p> <p>Selected participants from Workshop A will join this session</p>	<p>Workshop D: Security, Economic, Environmental Benefits</p> <ul style="list-style-type: none"> • Facilitator, Day 2: Gunnar Walmet, NYSERDA • Rapporteur, Day 2: Paul Leiby, Oak Ridge National Laboratory <p>D4. Economic benefits of R&D on energy technologies and systems</p> <ul style="list-style-type: none"> • Molly Kenna Macauley, Resources for the Future • M. Ishaq Nadiri, New York University
10:30 - 10:45	Break			

10:45 - 12:15	Workshop A: Prospective Benefits -- Cross-Cutting Issues A5. Continued discussion of the effect of a government's R&D program on technology deployment and use	Workshop B: Option Value B5. Effect of a government's R&D programs on option value Selected participants from Workshop A will join this session	Workshop C: Knowledge Value C5. Effect of a government's R&D programs on knowledge value Selected participants from Workshop A will join this session	Workshop D: Security, Economic, and Environmental Benefits D5. Environmental benefits of R&D on energy technologies and systems <ul style="list-style-type: none"> • Michael McKee, University of New Mexico • Robert Costanza, University of Maryland
12:15 - 1:30	Luncheon and Keynote Address <ul style="list-style-type: none"> • David K. Garman, Assistant Secretary, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy 			
1:30 - 3:00	Workshop A: Prospective Benefits -- Cross-Cutting Issues A6. Using estimates of benefits in R&D program planning and evaluation <ul style="list-style-type: none"> • John Mortensen, consultant • Helen Kim, NYSERDA 	Workshop B: Option Value B6. Using estimates of benefits in R&D program planning and evaluation <ul style="list-style-type: none"> • Scott H. Mathews, Boeing Phantom Works • Steffen Gackstatter, AD Little 	Workshop C: Knowledge Value C6. Using estimates of benefits in R&D program planning and evaluation <ul style="list-style-type: none"> • J. David Roessner, SRI International • Parry M. Norling, Dupont and RAND 	Workshop D: Security, Economic, and Environmental Benefits D6. Using estimates of benefits in R&D program planning and evaluation <ul style="list-style-type: none"> • Scott W. Tinker, University of Texas • John Stringer, EPRI
3:00 - 3:15	Break			
3:15 - 4:15	8. Workshop Summaries and Discussion <ul style="list-style-type: none"> • James L. Wolf, Independent Consultant • Brandon Owens, National Renewable Energy Laboratory • Gretchen Jordan, Sandia National Laboratories • Paul Leiby, Oak Ridge National Laboratory 			
4:15 - 4:30	9. Next Steps and Closing Remarks <ul style="list-style-type: none"> • Russell Lee, Oak Ridge National Laboratory 			