

MONITORING PROGRESS TOWARDS A CLEAN ENERGY ECONOMY

16-17 November 2011

AGENDA

International Energy Agency
9, rue de la Fédération
Paris 75015

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Day 1

9:00		Welcome - Introductions - Meeting Objectives	<i>Rob Kool, Chair, Expert's Group; Manager, International Sustainable Development, NL Agency (Netherlands)</i>
9:15		Opening Remarks	<i>Amb. Richard Jones, Deputy Executive Director International Energy Agency</i>
MONITORING MILESTONES AND PROGRESS			
9:30	1	IEA Tools and Analysis to Accelerate the Clean Energy Technology Revolution: <i>Energy Technology Perspectives 2012</i>	<i>Lew Fulton, Head, Energy Technology Policy International Energy Agency</i>
10:00	2	Monitoring and Evaluating Progress in Developing and Deploying Low-Carbon Technologies: <i>Energy Technology Perspectives 2012</i> Progress Tracking	<i>Antonia Gavel, Analyst, Energy Technology Policy International Energy Agency</i>
10:30		Break	
11:00	3	Developing a Framework For Monitoring Progress: Challenges and Opportunities	<i>Robert Marlay, Director, Climate Change Policy and Technology, Department of Energy (United States)</i>
11:45	4	Energy Technology Perspectives, Blue Map Scenario: Goals, Targets, and Assumptions	<i>Uwe Remme, Analyst, Energy Technology Policy International Energy Agency</i>
12:30		Lunch	
ENERGY SUPPLY TECHNOLOGIES			
<i>Moderator: Birte Holst-Jorgensen</i>			
14:00	5	Solar PV and Concentrating Solar Power	<i>Wim Sinke, Programme & Strategy Solar Energy, Energy Research Centre of the Netherlands</i>
14:45	6	Wind Power	<i>Birte Holst-Jorgensen and Sascha Schroeder, Systems Analysis, Risø DTU National Laboratory for Sustainable Energy (Denmark)</i>
15:30		Break	
16:00	7	Biofuels and Biomass Power	<i>Josef Spitzer, Professor, Graz University of Technology, Member (Austria), Bioenergy Implementing Agreement</i>
16:45	8	a) Geological CO ₂ Sequestration: Prognosis as a Clean Energy Strategy b) CO ₂ Capture and Separation: Technology Costs and Progress	<i>Fedora Quattrocchi, Geological Storage & Geothermics, INGV University Tor Vergata Charles Taylor, National Energy Technology Laboratory, Department of Energy (United States)</i>
17:30		Close Day 1	

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Day 2

DEMAND SIDE TECHNOLOGIES			
<i>Moderator: Herbert Greisberger, Austrian Energy Institute</i>			
9:00	9	Energy Efficient Buildings -- Focus on Heating & Cooling Equipment	<i>Rod Janssen, Head, Buildings, European Council for an Energy Efficient Economy (France)</i>
9:45	10	Energy Efficient Residential Appliances	<i>Frank Klinckenberg, Klinckenberg Consultants (Netherlands)</i>
10:30		Break	
CROSS CUTTING TECHNOLOGIES			
<i>Moderator: Ugo Farinelli, Italian Association of Energy Economics</i>			
11:00	11	Energy Storage - Batteries	<i>Dr. Andy Chu, Vice President, Marketing and Communications, A123 Systems</i>
11:45	12	Smart-Grids	<i>Russ Conklin, Policy Analyst, Office of Policy and Intl. Affairs, Department of Energy (United States)</i>
12:30		Lunch	
EFFECTIVE ROLLUP, BENCHMARKING AND COMMUNICATING THE RESULTS: CHALLENGES AND OPPORTUNITIES: Reflection, Discussion and Next Steps			
<i>Moderator: Bob Marlay, U.S. Department of Energy</i>			
13:30	13	Performance Metrics Framework: Synthesis and Opportunities to Add Value to the IEA Monitoring and Evaluation Process	<i>John Peterson, Program Analysis and Evaluation, Department of Energy (United States)</i>
14:15	14	European Union SET-Plan -- Monitoring and Review Framework	<i>Estatbhos Peteves, Joint Research Centre Institute for Energy, European Commission</i>
15:00		Break	

15:15	15	Open Discussion – With the goal of providing a <i>Workshop Report</i> and timely input to IEA, first, for the CEM Progress Report and, second, for a longer-term framework of enhanced progress monitoring metrics, what have we learned regarding the Questions below?	<i>Moderator, with Members of the EGRD and Guests</i>
		<p>Objective 1 -- Input to Progress Report:</p> <p><i>Compared to ETP Blue Map scenarios, from present day to 2050, which technologies appear to be making progress as expected, and which are not?</i></p> <p><i>What are the major barriers to inhibiting greater development and deployment? Can these be characterized by categories, such as: (a) policy; (b) socio-economic; and (c) technical and/or cost?</i></p> <p><i>What would be the most important messages for the audience (IEA Member Countries, Clean Energy Ministers, etc.)?</i></p> <p><i>What are the most important actions that IEA Member Countries might take to address barriers?</i></p> <p><i>For technical and cost-reduction barriers, what are the most fruitful areas or opportunities for enhanced R&D cooperation to address technologies that are not progressing as expected?</i></p>	<p>Objective 2 – Enhanced Metrics Framework</p> <p><i>What metrics are most meaningful and indicative of progress, and can they form a real-time set of leading indicators that would signal need for action.</i></p> <p><i>What are the elements of an effective, integrated framework for monitoring, evaluating and communicating progress on key technologies?</i></p> <p><i>What lessons can be learned from the private sector, or from public-private partnerships in monitoring progress on technology development and commercialization?</i></p> <p><i>What approaches are most effective in communicating results to inform decision-making, feed into the prioritization or restructuring of research investments and related policies, and achieve desired outcome?</i></p>
17:00	16	Wrap-Up, Summary, and Next Steps	<i>Moderator, and Craig Zamuda, Office of Policy and International Affairs, Department of Energy (United States)</i>
17:15	17	Workshop Conclusion	<i>Rob Kool, Manager, International Sustainable Development, NL Agency (Netherlands)</i>
17:30		Close	