
March 6-8, 2006
March 9 (Training Sessions)
www.worldbank.org/energy/energyweek

The World Bank
1818 H Street NW
Washington DC 20433, USA

PROGRAM
(as of March 6, 2006)

This program was sent for printing on March 1, 2006. Changes, if any, will be communicated to participants during Energy Week.

March 6

DAY 1 Morning	Monday, March 6
8:00 – 10:00	REGISTRATION and COFFEE
10:00 – 10:45 Preston Auditorium	WELCOME and KEYNOTE PRESENTATIONS Chair: Kathy Sierra, Vice President of Infrastructure, World Bank Paul Wolfowitz, President, World Bank H.E. Van Ardenne, Minister for Development Cooperation, Netherlands H.E. Syda Bbumba, Minister of Energy, Uganda
11:00 – 12:00 Preston Auditorium	KEYNOTE PRESENTATION Introduction by Bob Watson, Chief Scientist & Senior Advisor, World Bank Professor Robert Socolow, Center for Energy and Environmental Studies, Princeton University Robert H. Socolow is Professor of Mechanical and Aerospace Engineering at Princeton University and teaches in both the School of Engineering and Applied Science and the Woodrow Wilson School of Public and International Affairs (he was the Director of the University's Center for Energy and Environmental Studies from 1979 to 1997). Prof. Socolow's current research focuses on global carbon management, the hydrogen economy, and fossil-carbon sequestration. He is the co-principal investigator of Princeton University's Carbon Mitigation Initiative (CMI), a ten-year (2001-2010) project, supported by BP and Ford. He is co-author of "Stabilization wedges: Solving the Climate Problem for the Next 50 Years with Current Technologies".
1:00 – 1:45 pm	See Side Events*

**Please note that lunch will not be provided. Participants may purchase meals/snacks in the cafeteria on level C1 of the conference venue.*

DAY 1 Afternoon Monday, March 6

2:00 – 3:30
Preston
Auditorium

ENERGY SECURITY – PLENARY SESSION

Chair: Professor Paul Stevens, Center for Energy, Petroleum and Mineral Law and Policy, University of Dundee, UK

Feng Fei, Director General, China State Council for Development Research

H.E Chakib Khelil, Minister of Energy and Mines, Algeria

Peter J. Robertson, Vice Chairman, Chevron Corporation

Discussion

DAY 1 Afternoon Monday, March 6

4:00 – 5:30

PARALLEL SESSIONS

MC13-121

Financing of Energy Efficiency – Robert Taylor and Russell Sturm (Moderators), World Bank -- In this session, lessons learned from World Bank and IFC projects, i.e. the multiyear Brazil, India and China Energy Efficiency Financing Project, on developing financing mechanisms for financially viable energy conservation renovation projects will be discussed, followed by recommendations for development of future energy efficiency financing projects. Topics to be discussed include development of ESCOs in developing countries as a strong area of international technical assistance and financing support; conditions and design parameters for energy efficiency loan funds to operate effectively and be sustainable; the experience in and future of loan guarantee instruments for energy efficiency investments; and the future for World Bank lending in energy efficiency and the best roles for GEF support.

Preston
Auditorium

Implementing Renewable Energy Projects – Anil Cabraal (Moderator) and Raihan Elahi (Moderator), World Bank; M. Fouzul Kabir Khan, CEO, Infrastructure Development Company Ltd (IDCOL); Jayantha Nagendran, Vice President, DFCC Bank; Victor Russo, Manager, Renewable Energy in Rural Markets Project; Xiaodong Wang, World Bank -- The implementation of renewable energy projects, project designs and different types of renewable energy options will be examined through 3 cases: (i) in Bangladesh, solar home systems (SHS) installation has become faster, cheaper and better thanks to growing market competition. Thirteen partner organizations, monitored and supervised by IDCOL, are competing against each other to increase their market share and deliver services; (ii) Sri Lanka presents an important and successful model for harnessing the hydro-potential of the country for both grid supply and for isolated communities electrification through community, private sector, commercial banks, MFI and leasing company involvement; and (iii) Argentina offering a basket of renewable energy options through an output based aid scheme to electrify rural markets, businesses and households. The discussion concludes with a brief overview of the recently released REToolkit, and operational guide for renewable energy for electrification that provides useful tools and references for preparation and supervision of renewable energy electricity projects.

MC4-800

Natural Gas: the Bridging Fuel in the Next Decades – Rashad Kaldany (Moderator), IFC; Marcel Kramer, Chairman and CEO, Gasunie; Bent R. Svensson, World Bank; P. Banerjee, Chairman and Managing Director, GAIL; Franz Gerner, World Bank – Presenters will discuss the issue of gas shortfall in many of our client countries and attempt to propose ways to overcome it and reach the poor. Cases presented will help illustrate and converse about the global perspective of gas shortcomings in developing countries as well as the promotion of gas development. Finally, lessons from Egypt on the economics of gas connections to the poor will also be presented.

MC2-800

SMEs for Decentralized Energy Service Provision – Ananda Covindassamy (Moderator), World Bank; Richard Hansen, CEO, Soluz, Inc.; Loyda Alonso, General Manager, Soluz Honduras; Mr. S. Chandrasekhar, Managing Director, Bhoruka Power Company; Eric Usher, Deputy Coordinator, Energy Branch, UNEP – The objective of this session is to recognize the significance of small and medium size enterprises as providers of energy services and their importance in the fight against poverty. The participants will share experiences with the development of energy SMEs, particularly the ESMAP Energy SME program for poor countries. Specific issues such as how to mobilize and develop local entrepreneurship for energy SMEs; how to develop a minimum regulation and low cost technical design of energy SMEs; what they need to succeed; how to join forces with local communities, NGOs, chambers of commerce will be examined. The participants will discuss the opportunity to establish a virtual forum for sharing and coordinating actions for energy SMEs.

DAY 1 Evening Monday, March 6

5:45 – 7:30 RECEPTION for ENERGY WEEK 2006 Participants
MC Atrium

March 7

DAY 2 Morning Tuesday, March 7

9:00 – 10:45 CLEAN ENERGY & LOW CARBON – PLENARY SESSION
Preston Chair: Bob Watson, Chief Scientist & Senior Advisor, World Bank
Auditorium

Keynote address: Claude Mandil, Executive Director, International Energy Agency

Corrado Clini Director General, Ministry for the Environment and Territory, Italy

Chris Mottershead, Senior Advisor on Climate Change, British Petroleum

Mario Veiga Pereira, President of Power Systems Research, Brazil

Discussion

DAY 2 Morning Tuesday, March 7

11:00 – 12:30 PARALLEL SESSIONS

MC13-121

Low Cost Technologies for Rural Electrification – Ralph Karhammar (Moderator), World Bank; Jabesh Amissah-Arthur, Managing Partner, Arthur Energy Advisors; Moncef Aissa, Head, Department of Standardization and Specification of Electricity Distribution Equipment, STEG; João Catine, Project Manager, EDM; Ian Davies, Campbell Davies Consulting -- This session will show how tried and tested methods have significantly reduced costs in constructing African electricity networks. Examples, with indicative costs, are illustrated from Tunisia, Ghana and Southern Africa. Techniques discussed will include MV, SWS, SWER, single phase metallic return, cost reductions using traditional methods, appropriate engineering etc. The session will also show that capital cost reduction is only one of a number of issues that need to be addressed to build a viable network. Other factors such as affordability, operating and maintenance methods, metering,

tariffs, training and skills transfer all need to be carefully considered. Worked examples of African networks will be presented to illustrate the significance and sensitivity of each of these variables. The intention is to show how viable networks can be created at lower cost with sustainable cash flow in low income areas.

MC4-800

Potential for Biofuels in Developing Countries – **Bill Ward (Moderator), Director, Center for International Trade, Clemson University; Todd Johnson and Masami Kojima, World Bank; Eric Larson, Research Engineer, Princeton University; José Nilton de Souza Vieira, Ministry of Agriculture, Brazil.** -- This session aims at reviewing the current status of biofuels, distilling lessons from international experience to date and making recommendations for developing countries considering biofuels. Issues addressed include elements of success for a commercially viable biofuel industry; the impact of current and future predicted world oil prices on the commercial viability of biofuels; and the way governments should assess social costs and benefits of biofuel programs.

Preston Auditorium

Clean Energy and Sustainable Development – **Bob Dixon, IEA Secretariat & Sue Goldmark (Moderators), World Bank Dr. Richard Bradley, Head, Environment and Energy Efficiency Division, IEA; Dr. Jacek Podkanski, Senior Specialist, Energy Technology Cooperation Division, IEA; Otaviano Canuto and Junhui Wu, World Bank; Dr. Jayant Sathaye, Senior Scientist & Group Leader, Lawrence Berkeley National Laboratory** -- World Bank and IEA (International Energy Agency) officials will articulate their respective contributions under the G8 Dialogue on Climate Change, Clean Energy and Sustainable Development. Mr. Otaviano and Mr. Wu will present Brazil and China stories vis-à-vis the G8 Climate change initiative and Mr. Sathaye's presentation will touch on the issue of efficiency as a means to addressing India's energy vulnerability. Among topics discussed are energy efficiency opportunities and issues in buildings, industry and the transport sector; clean fossil energy opportunities including carbon capture and sequestration; and the hydrogen economy.

MC2-800

The Role of Geographical Information Systems in Social Mitigation and Poverty Alleviation – **Raghu Sharma (Moderator) and Sanjay Sinha, World Bank** -- The objective of this session is to share with Bank staff the GIS tools used to carry out project preparation for a hydro-power project. The presenters will share their methodology in incorporating social and economic data at early stages of the planning and a development of a mitigation plan. The use of mapping as a communication tool will also be discussed.

1:00 – 1:45 pm

See Side Events*

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DAY 2 Afternoon Tuesday, March 7

2:00 – 3:30
Preston
Auditorium

GOVERNANCE & ANTI - CORRUPTION – PLENARY SESSION

Chair: Kathy Sierra, Vice President of Infrastructure, World Bank

Neil Stansbury, Leader, Infrastructure Initiative, Transparency International

G.P. Rao, Chairman (Rtd.), Andhra Pradesh Electric Regulatory Commission

John Giraud, Vice President and Chief Compliance Officer, AES Corporation

Discussion

DAY 2 Afternoon Tuesday, March 7

4:00 – 5:30

PARALLEL SESSIONS

MC4-800

***Setting Rural Tariffs – A Case Study of Peru* – Susan Bogach & Demetrios Papathanasiou (Moderators), World Bank; Eduardo Zolezzi, former World Bank staff and former regulator in Peru; Miguel Juan Revolo Acevedo, Manager of Distribution Regulation, OSINERG** -- Geographical diversity, low demand and dispersed populations, combined with a regulatory system focusing on economic efficiency make Peru a very interesting case study for rural electrification. The discussion will focus on the approach for setting tariffs in electricity distribution systems in Peru (which follows the ‘efficient company’ model in its regulatory practice), its recent review of tariffs with a specific focus in rural areas and present the overall methodology for cost estimates and results.

Preston
Auditorium

***Clean Energy Finance and Private Equity Funds*– Dana Younger (Moderator), IFC; John H. Northrup, Executive Vice President, Business Development, Econergy International/CleanTech Fund; A. Stephen Probyn, President, Chief Executive Officer and Manager Trustee, Clean Energy Income Fund/Renewable Energy Generation Ltd.; Christine Eibs Singer, Deputy Executive Director, E&Co/CAREC; George Sorenson, Chairman, FE Clean Energy Group** -- Several specialized clean energy funds have been developed in the last ten years to help meet investment needs of emerging market countries for renewable energy, energy efficiency and other types of clean power and fuel projects. These funds have had both positive and sometimes negative results. Representatives from these funds will present their experiences raising capital and placing capital in private investment projects. They will also present recommendations on how future funds can be structured to mobilize larger volumes of private capital to support clean energy investments in these markets and the links to carbon finance, strategic investors, and commercial banks.

MC13-121

***Power Generation & Low Carbon Technologies* – Stratos Tavoulareas & Masaki Takahashi (Moderators), World Bank; Raymond Baumgartner, Director, 60 Hz Reference Power Plants, Siemens Power Generation; Manfred Wilhelm Kruska, Senior Director, Power Supply Systems and Turnkey Solutions, Siemens Germany; Timothy J. Richards, Director, International Energy, General Electric; Dr. Jacek Podkanski, Senior Energy Technology Specialist, International Energy Agency** -- Clean power technology options include renewables, natural gas combined cycle, fuel cells and clean coal technologies. A recent Bank assessment compares these options with conventional technologies (e.g. coal and oil-fired plants and diesels) in terms of performance characteristics, and power generation cost in different application sizes: grid, mini-grid and off-grid. The session presents the results of the assessment and discusses a dynamic and transitional nature of decentralized generation integrated into national grid. It will also discuss options to reduce Greenhouse Gas emissions (low carbon technology) in thermal power plants.

MC2-800

Gender and Energy – Dominique Lallement, World Bank and Sheila Oparaocha (Moderators), Coordinator, ENERGIA; Shigeo Katsu, World Bank; Elizabeth Cecelski, Technical Adviser for Research and Advocacy, ENERGIA; Feri Lumampao, Researcher, Asian Alliance of Appropriate Technology Practitioners; Anne-Charlotte Malm, Head, Energy, Infrastructure Department, SIDA; Prof. Anoja Wickramasinghe, University of Peradeniya; Dr. May Sengendo, Researcher, East African Energy Technology Development Network Uganda; Youssou Lo, National Coordinator of PROGEDE; --The session on Gender and Energy will highlight the operational relevance of gender in the energy sector and identify possible 'viable entry points' to mainstream gender issues in energy policies and operations. This session will focus on learning from experience. It will present linkages between gender, energy, poverty alleviation and the Millennium Development Goals. Four case studies will present the differential impacts of energy projects on women and men as well ways gender contributes to project success and replicability. The lessons learned will be used to develop the platform for learning from experience in gender-in-energy issues for the Commission on Sustainable Development (CSD).

March 8

DAY 3 Morning **Wednesday, March 8**

9:00 – 10:30
Preston
Auditorium

ENERGY for GROWTH and POVERTY REDUCTION in AFRICA – PLENARY SESSION

Chair: Olav Kjørven, Director, Energy and Environment Group, Bureau for Development Policy, UNDP

Prof. A.O. Adegbulugbe, Energy Advisor to the President of Nigeria, Chair Joint ECOWAS/UEMOA Energy Access Initiative

John Page, Chief Economist, Africa Region, World Bank

Discussants: H.E. Hamed Diane Semega, Minister of Energy and Water, Mali
H.E. Albert Butare, Minister of Energy and Telecommunications, Rwanda

DAY 3 Morning **Wednesday, March 8**

11:00 – 12:30

PARALLEL SESSIONS

MC4-800

Beyond traditional finance - Using IBRD Structured Finance for Risk Mitigation in the Energy Sector – Peter Thomson (Moderator), World Bank; Ananda Covindassamy and Issam Abousleiman, World Bank --The recent World Bank study on

"Analysis of Power Projects with Private Participation Under Stress" highlighted macroeconomic instability and a number of financial risks that affect the sustainability of energy projects globally. A World Bank energy specialist will discuss some of the findings of the study emphasizing the financial aspects. This presentation will be followed by a discussion from the IBRD Treasury of the available risk management tools including local currency financing that may be applied to this sector to reduce the cost/risk structure of these projects. Examples that would be highlighted include the mitigation of risks related to oil price volatility, foreign currency financing and floating interest rate. The panel will also discuss how IBRD funding can be structured to reduce liquidity risks associated with energy projects investment plans.

MC13-121

Meet the Rural Electrification Pioneers: How Were Institutional Problems Resolved in Costa Rica, Bangladesh, Tunisia, and the USA – Kathy Alison (Moderator), Senior Consultant/Workshop Facilitator, Training Resources Group; Dan Waddle, NRECA, Intl; Misael Monge, Retired General Manager of COOPESANTOS Electric Cooperative; Ahmed Ounalli; Director of Strategy, Tunisia Electricity and Gas Company; Sabihuddin Ahmed, First Chairman of Bangladesh Rural Electrification Board.; Paul Wolman, National Education Association -- This session provides a view of the practical problems that must be resolved in implementing programs of rural electrification in developing countries. The panel of speakers generally has been directly involved in or studied the institutional and other issues that must be resolved in initiating a long- term rural electrification program. It is anticipated that the experience of these pioneers of rural electrification in their respective countries can provide insights for the many developing countries today that are just beginning the process of providing electricity to the rural people in their countries, especially those in Africa.

Preston Auditorium

Strengthening Governance in the Power Sector – Richard Stern (Moderator), World Bank; Jon Stern, Associate Director, London Business School; Navroz Dubash, The National Institute for Public Finance and Policy, New Delhi, India; Smita Nakhoda, Associate, World Resources Institute -- The objective of this session is to explore two dimensions of governance of the power sector - one relating to sector governance and the other to corporate governance. The first presentation "The Relevance of Governance to Power Sector Reform" will make the case that attention to the decision-making process is an integral part of any reform effort, since open and inclusive decision-making processes are necessary to enable stakeholders to understand the basis and goals for reform. The second presentation "The Impact of Regulatory Governance Quality on Generation Investment" will discuss the findings of a recent paper on the impact of regulatory governance quality on generation investment while the third one entitled "Anti-Corruption Agenda for the Power Sector: A Suggested Bank Approach" will discuss the overall corruption problem in the power sector; highlight the key "pressure" points which are particularly prone to fraudulent practices; and synthesize some lessons of experience gained in tackling corruption. Finally, it will suggest a framework for analyzing the problems and developing a menu of prescriptions.

MC2-800

Coping with Higher Oil Prices – Charles McPherson (Moderator), World Bank; Robert Bacon and Masami Kojima, World Bank; David Coady, IMF -- How have different countries, including non-oil producers, oil producers who are net oil importers, net oil exporters, large markets and small markets and countries at various income levels, responded to the oil price increase of the last two years. What set of circumstances have enabled governments to cope with higher oil prices with the least budgetary burden while providing adequate consumer protection? This session will discuss how governments can be better prepared in light of future oil price shocks or higher mean prices.

1:00 – 1:45 pm

See Side Events*

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DAY 3 Afternoon Wednesday, March 8

2:00 – 3:30
Preston Auditorium

CLOSING SESSION – PLENARY SESSION
Chairs: Jamal Saghir, Director, Energy and Water, World Bank & JoAnne DiSano, Director, CSD Secretariat and Division for Sustainable Development, United Nations

Claudia A. McMurray, Assistant Secretary for Oceans, Environment & Science, US Department of State

H.E. Butare, Minister of State for Energy & Communication, Rwanda

Kathy Sierra, Vice President of Infrastructure, World Bank – Closing Remarks

DAY 3 Afternoon Wednesday, March 8

4:00 – 5:30
PARALLEL SESSIONS

Preston Auditorium

***Output-Based Aid in Energy: Reaching the Poor through Innovative Solutions* – Patricia Veevers-Carter (Moderator), World Bank; Kilian Reiche, Dana Rysankova, Gevorg Sargsyan, Ani Balabanyan and Juan Payeras, IFC** -- Output-based aid, or, explicit performance-based subsidies, is currently being piloted through several projects in a variety of sectors worldwide as a means to increasing investment and aiding effectiveness in infrastructure with a targeted focus on serving the poor. This session will describe – through the project case studies of Bolivia Rural Electrification, Armenia Urban Heating and Gas, and Colombia Natural Gas – how output-based aid (OBA) can provide the poor with a means to obtaining access to energy while examining issues of design and implementation and comparing OBA to other traditional approaches.

MC4-800

***Utility Benchmarking & Performance Monitoring* – Prasad Tallapragada (Moderator), World Bank– G.P.Rao, Chairman (Rtd.), Andhra Pradesh Electricity Regulatory Commission, India; Joseph Makoju, Managing Director and Chief Executive of the Power Holding Company of Nigeria; Dan Waddle, Vice President, Operations, National Rural Electric Cooperative Agency, USA** -- Benchmarking utility performance enables better understanding of key impediments and drivers for variances in performance across utilities. It can be used to explore alternatives for improving performance and to capture varying levels of business risk associated with utilities. As such, benchmarking and performance monitoring tools are essential knowledge products for Governments, investors, utility managers, and development professionals. This session will focus on utility and regulatory perspectives with reference to different approaches adopted in Nigeria, India, Bangladesh and the United States. Among other indicators, the session will dwell on operational and commercial efficiency, critical financial ratios and customer service standards.

MC13-121

Rehabilitation & Emission Control in Thermal Power Plants – Ruben Deza, Senior Team Leader, Clean Air Markets Division, U.S. Environmental Protection Agency and Masaki Takahashi (Moderators), World Bank; Dr. Gereon Thomas, Head, Power Stations and Thermodynamics, RWE Power AG; Jianping Zhao, Jie Tang, Varadan Atur and Stratos Tavoulareas, World Bank -- Coal provides secure energy and power in many developing countries, but it also contributes to local, regional and global environmental pollution. Rehabilitation of power plants improves efficiency, availability and output as well as environmental performance. This session presents experiences of rehabilitation and applications of environmental control options in coal-fired power plants from various parts of the world. Particular interest will be placed in particulate SO₂, NO_x control, ash handling and disposal and CO₂ reductions. Regional developments and needs will be presented with emphasis on Eastern Europe and China.

MC2-800

Global Village Energy Partnership Action Planning and Project Implementation – Ede Ijjasz (Moderator), World Bank; Abeeku Brew-Hammond, Manager, GVEP; Justin Ntsama, Project Coordinator, Rural Electrification Agency of Cameroon; Marta Rivera, Fundacion Solar; Venkata Ramana, Managing Director, Clean Energy Group, Winrock International -- The primary objective of the session is to highlight the progress GVEP Countries are making in the transition from action planning to implementation for delivering energy services for poverty reduction. The focus will be on different processes and tools that have been used to make this transition possible and the concrete deliverables on which success will be built. Finally, the session will underline the role of innovative approaches to scale-up of energy services in GVEP Country Actions by highlighting key features of projects supported by the GVEP Action Programmes Fund (GAPfund).

SIDE EVENTS

March 6-8

DAY 1 Monday, March 6

8:00 am – 6:00 pm **Info Café & Exhibits**
MC Atrium

12:30 – 2:00 pm **Film showing: "Switch" The Story of Power Sector Reform in Armenia**
Preston **with Denzel Hankinson; Castalia; and Gevorg Sargsyan, World Bank**
Auditorium

1:00 – 1:45 pm

MC2-800 ***Extractive Industry Transparency Initiative - Moving Forward – Charles McPherson, Michael Levitsky and Michael Lewin, World Bank*** -- Many countries rich in oil and gas reserves still face challenges in harnessing windfalls from extractive activities to promote sustainable development and poverty reduction. In some countries, the abundance of natural resources has often been associated with corruption, poverty and conflict. Against this background, revenue management, transparency, and good governance, emerge as crucial elements to foster economic growth and reduce poverty. This session will focus on the growth of the initiative over the past year and on country cases to illustrate the importance of transparency in the use of oil and gas revenues.

MC4-800 ***Energy and Health – Dr. Maria Neira, Director, Department of Protection of the Human Environment, World Health Organization*** -- Energy is the fuel for everyday living. Energy is essential to health, development and livelihoods - whether used inside the home, for cooking and heating, or in settlements and cities, for transport and productive activities. Yet, energy use can also be harmful to health – particularly in poor societies where inefficient or inappropriate methods of cooking and transport degrade environments and have severe impacts on health. This session describes two key energy and health issues: household energy, indoor air pollution and health, and transport and health for the developing world. It addresses (i) the magnitude of the health burden; (ii) those most affected, such as women, children and the poor; (iii) available interventions and policies to address these neglected public health and development issues; and (iv) actions required to bring about change.

MC13-121 ***Developing Large-Scale, Commercially Viable Solar Power Markets - The EMPower – Gunter Schramm, Consultant, EMPower Management Team; Frederick Morse, President, Morse Associates; Edward Kern, President, Irradiance, Inc.*** -- The EMPower Project is an initiative to identify and develop large-size, commercially viable markets for PV and/or solar thermal (CSP) generation world-wide. In its current development phase, it tries to identify utilities with a potential demand for several thousand MWs of solar generating capacity. Through novel market aggregation technologies, this potential demand will be offered in large blocks to the world's solar power generating equipment manufacturers, enabling them to develop large-scale, fully automatized manufacturing facilities that would enable them to offer solar equipment at market competitive prices. The project is being supported by the Global Environmental Fund (GEF), with UNEP as the GEF executing agency, the German Government through KfW, and by the Solar Electric Power Association of the United States, as well as a number of major solar equipment manufacturers and power utilities.

DAY 2 Tuesday, March 7

8:00 am – 6:00 pm **Info Café & Exhibits**
MC Atrium

1:00 – 1:45 pm

MC2-800 **Renewable Energy Toolkit – Xiaodong Wang, World Bank** -- The *Renewable Energy Toolkit: An Operational Guide for Electric Services (REToolKit)*, a flagship product of the World Bank Energy and Water Department, is available at <http://www.worldbank.org/retoolkit>. The *REToolKit* provides a broad set of tools to assist Bank task managers and our developing country partners in improving the design and implementation of renewable energy (RE) projects. It incorporates best practices and lessons learned from RE projects supported by the World Bank Group and others. It is operationally oriented to address practical implementation needs at each stage of the project cycle.

MC4-800 **Norway's "Oil for Development" Initiative – Mr. Morten Svelle, Deputy Director General, Norwegian Agency for Development Cooperation (NORAD). Introduction by Svein Aass, World Bank**

MC13-121 **Coal and Sustainable Development – Preston Chiaro, Vice Chairman of the World Coal Institute. Introduction by Peter van der Veen, World Bank** -- The use of coal as a primary energy supply is seen by some as a dying vestige of the past. The reality is that the use of coal to generate electricity and produce steel has continued to expand for the past two centuries and will continue to do so. But coal, like every other primary energy source, must continue to find better ways to contribute to society's move towards sustainable development. The affordable, available, accessible, reliable, and secure energy provided by coal is needed to satisfy society's desire to lift people out of poverty and improve their standards of living. This must be balanced with a continuing need to reduce its environmental footprint including the effects of greenhouse gas emissions.

Preston Auditorium **Infrastructure and Energy Projects: Demonstrating the Value of Communications – The strategic role of communications in the Nam Theun 2 project in Lao PDR – Jill Wilkins and Melissa Fossberg, World Bank** -- A case study on the strategic role of communications in the Nam Theun 2 project in Laos will be presented. The case demonstrates how up-stream support from the Bank Group's communications professionals helped to mitigate risk, ensure community support, and build political good will around the project. This session will be of interest to any task team leader or project implementation team working on infrastructure projects of any size.

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6:45 – 8:15 pm **Gender and Energy – Shigeo Katsu, World Bank (Moderator); Dominique Lallement and Jamal Saghir, World Bank; Dr. Govind Kelkar, Project Director, IFAD/UNIFEM, India; Dr. Harriette Amissah-Arthur, Director, Kumasi Institute of Technology and Environment; Ahmad Ounalli, Director, Strategic Studies, Tunisia National Electric Utility; and Sheila Oparaocha, Coordinator, ENERGIA** --The session will reflect on gender issues in the delivery of energy services from the perspective of policy makers, utilities, development banks, the private sector, and NGOs. The audience will have the opportunity to engage with the panel of policy makers and senior executives in sharing their experiences, observations, concerns, challenges and, of course, their successes.

DAY 3 Wednesday, March 8

8:00 am – 6:00 pm **Info Café & Exhibits**
MC Atrium

1:00 – 1:45 pm

MC2-800 ***Domestic Energy, Environmental Governance and Gender Inequality: Paradox and Potential*** – Dr. Bina Agarwal, Professor of Economics, Institute of Economic Growth, Delhi University

MC4-800 ***Capacity building Through Long-Term Partnerships: The Example of the Energy Ministry in Tanzania and the Swedish Energy Agency*** – Anne-Charlotte Malm, Head, Energy, Infrastructure Department, SIDA -- This session will draw on experiences from developed countries, e.g. Sweden, for developing a sustainable energy sector (including tools to promote renewable energy) through sharing experiences from governmental agencies with the responsibility to regulate and govern the sector, e.g. the Swedish Energy Authority, with sister organizations in developing countries.

MC13-121 ***Integrating Energy Considerations into MDG-Based National Development Strategies*** – Olav Kjørven, Director, Energy and Environment Group, UNDP; Minoru Takada, Sustainable Energy Programme Specialist, Energy and Environment Group, UNDP -- At the 2005 World Summit, countries reiterated the centrality of achieving the MDGs and committed to integrating the MDGs into their national development strategies, such as poverty reduction strategies. Early experiences indicate that such efforts can open up a space for further dialogues where energy issues can be more properly examined and reflected in national macro strategies. In this session, we share some experiences from West African countries such as Burkina Faso, Mali, and Senegal on ways to integrating energy considerations into MDG-based national development strategies, including the issues related to national energy targeting setting and budgetary allocations.

Preston Auditorium ***The Mexico GEF Large-Scale Renewable Energy Development Project and its "Green Fund"*** – Dr. Juan Mata, Director General for Environment and Technology, Mexico Ministry of Energy. Introduction by Chas Feinstein.

March 9

Thursday, March 9

9:00 – 11:00 am
MC4-800 ***Nam Thuen 2 Transaction Structure, Financing & Use of WB Guarantee*** – Suman Babbar, World Bank -- On June 10, 2005, NT2, with an estimated cost of US\$ 1.5 billion, reached financial close. The project has been sponsored by Electricité de France (EDF), Italian-Thai Development Public Company Limited (ITD) of Thailand and Electricity Generating Public Company Limited (EGCO) of Thailand. The completion of the NT2 project financing establishes a number of significant milestones. It is the largest foreign investment in the Lao PDR; the world's largest private sector cross-border power project financing; the largest private sector hydroelectric project financing; and one of the largest internationally financed IPPs in Asia since the 1997 financial crisis. This session will discuss the financing aspects of the transaction as well as the key issues faced by the Government of Lao PDR and the project sponsors. The presenters will also discuss the role of the World Bank in mobilizing private capital for the project and especially the catalyzing role played by the World Bank Guarantee.

TRAINING SESSIONS

March 9

Thursday, March 9

9:00 am – 12:30 pm *Carbon Finance in Energy Projects (World Bank Institute)*
MC6-W150

Session I: Market Overview

Ian Carter, International Emissions Trading Association -- Overview of the market
Chandra Sekhar Sinha, World Bank Carbon Finance Unit (TBC) -- Role of the World Bank in the Carbon Market

Rich Rosenzweig, Natsource (TBC) -- Prices for emission reductions – an overview

Moderator: Neeraj Prasad, Carbon Finance Coordinator, East Asia Region, The World Bank

Break: 10:30 am – 11:00

Session II: Carbon Finance in the Energy Sector

Adriana Filipetto -- Case study: Nova Gerar Landfill Gas capture, Brazil –

Pierre Langlois -- Case study: Energy Efficiency

Speaker TBC -- Case study and lessons learnt from renewable energy projects in the World Bank portfolio

Moderator: Neeraj Prasad, Carbon Finance Coordinator, East Asia Region, The World Bank

9:00 am – 2:00 pm *Strategic Environment Assessment in the Energy Sector – Kulsum Ahmed, World Bank (Moderator); Jean-Roger Mercier, Fernando Loayza, Sherif Arif, Tjaarda Storm van Leeuwen, Mudassar Imran and Michiko Shima, World Bank* -- This training session aims to provide participants with an overview of an SEA as a tool for incorporating environmental considerations into energy policy and sector reform. Presenters will illustrate key topics of the use of SEA in the energy sector based upon case studies. Furthermore, this session will serve as a training exercise through the presentation of a web-based SEA toolkit, which includes practical information and specific techniques necessary for carrying out an SEA.
MC7-W150

9:00 am – 12:30 pm *When Regulation Doesn't Work as Planned – Bernard Tenenbaum, World Bank (Moderator); Jon Stern, London Business School; Ashley Brown, Executive Director, Harvard Electricity Policy Group, Harvard University* -- New electricity regulatory authorities have been established in many World Bank client countries. However, consumers often complain that they are not protected and investors assert that regulatory commitments are not honored. Based on a handbook that will be published later this year, this workshop presents methods and resources for short, medium or in-depth evaluations that can lead to “second generation” regulatory reforms. It provides detailed background material on regulatory “best practices” as well as possible transitional arrangements when best practices are not feasible.
MC5-W150

See also Energy Week website for schedule of side events and training sessions
www.worldbank.org/energy/energyweek