

---

March 14-16  
March 17-18 (Side Events)  
[www.worldbank.org/energy/energyweek2005/](http://www.worldbank.org/energy/energyweek2005/)

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

---

**PROGRAM**

(as of March 7, 2005)

Room numbers are not noted on this web document but will be in the printed booklet that will be given to registrants on March 14.

**DAY 1 Morning Monday, March 14**

9:00 – 11:00 **REGISTRATION and COFFEE**

11:00 **WELCOME and KEYNOTE PRESENTATIONS**

**Kathy Sierra, Vice President, Infrastructure Vice Presidency, The World Bank**

**Jamal Saghir, Director, Energy & Water; Chair, Energy and Mining Sector Board, The World Bank**

**Minister Dilma Roussef, Minister of Mines and Energy, Brazil (to be confirmed)**

**Dr. Daniel Yergin, Chairman, Cambridge Energy Research Associates**

**Dr. Yergin** plays a leadership role in the global energy industry. He is a member of the US Secretary of Energy's Advisory Board and chaired the US Department of Energy's Task Force on Strategic Energy Research and Development. He is a member of the Board of the United States Energy Association, the National Petroleum Council and the "Wise Men" for the International Gas Union. He is a Pulitzer Prize winner for *The Prize: The Epic Quest for Oil, Money and Power* and recipient of the United States Energy Award. Dr. Yergin is a Trustee of the Brookings Institution, a Director of the US-Russian Business Council, the Atlantic Partnership, and the New America Foundation. Dr. Yergin received his BA from Yale University, and his Ph.D. from Cambridge University, where he was a Marshall Scholar. He previously taught at the Harvard Business School and the Kennedy School of Government at Harvard. Dr. Yergin co-founded Cambridge Energy Research Associates, now part of the IHS Inc. Its offices are in Cambridge, Massachusetts; Washington DC; Oakland, California; Paris; Oslo; Moscow; Sao Paulo; Mexico City; Calgary; and Beijing.

12:30 – 2:00 **Lunch Break**

---

**DAY 1 Afternoon Monday, March 14**

2:00 – 3:15

**PETROLEUM and SUSTAINABILITY - PLENARY SESSION**

**Moderator:** Peter van der Veen, Manager, IBRD Policy Division, Oil, Gas & Mining, The World Bank

- **Issues and policies in extractive industries -- Mark Finley, British Petroleum --** The outlook for oil markets and prices: has there been a fundamental change? Are the roles of the key actors going forward? Private oil development and development impact: how the industry sees the issues.
- **Africa oil boom - will it contribute to development? -- Ian Gary, Catholic Relief Services --** Sub-Saharan Africa is in the midst of an oil boom as foreign energy companies pour billions of dollars into the region for the exploration and production of petroleum. How can Africa's oil boom contribute to alleviating poverty? What are the impediments to policy changes that should be implemented to promote the management and allocation of oil revenues in a way that will benefit Africans? What is required to overcome these impediments?

**Discussion**

**DAY 1 Afternoon Monday, March 14**

3:30 – 5:00

**PARALLEL SESSIONS**

- **Increasing transparency of oil revenues-- Charles McPherson, World Bank (Moderator). Michael Levitsky, World Bank; Silvana Tordo, World Bank; and David Goldwyn (Consultant)** -- Whether a country benefits from large-scale oil and gas production largely depends on the quality of governance. Transparency of government revenues is a critical component of good governance, but this has often been lacking in oil-exporting developing countries. The Extractive Industries Transparency Initiative (EITI) was established by the UK Government to address this issue, and the World Bank has been playing a growing role in the initiative. There is now significant experience in introducing and implementing the EITI in various countries, some of which are still rated as among the most corrupt in the world. In this session, the background and status of the EITI will be discussed, citing specific case studies from some of the oil exporting countries in West Africa.
- **Energy and the Millennium Development Goals: Let's make it happen! -- Dominique Lallement, World Bank (Moderator). Vijay Modi, Columbia University ; Abeeku Brew-Hammond, Global Village Partnership ; John Christensen, Global Network for Sustainable Energy Development; Serge Perez, Droit à l'Énergie; Arno Tomowski, GTZ; Bernard McNellis, IEA Task #9; Elena Nekhaev, World Energy Council; and Michel Eckhart, REEP --** The objective of this session is to learn how energy services help achieve the Millennium Development Goals, what role various stakeholders can play, and what are some of the technological options. This interactive session will address three sets of questions:
  - Can and how energy partnerships and networks contribute to the MDGs
  - Can and how renewable energy contributes to the MDGs
  - Can and how private energy companies contribute to the MDGs
- **Improving power distribution company operations -- Matthew Buresch, World Bank (Moderator). David Keith, PA Consulting; Prasad Tallapragada, World Bank; Gordon W. Weynand, USAID; S. Vijay Iyer, World Bank; and Pedro Antmann, Mercados Energeticos --** The focus of this session is on improving the performance of electricity distribution utilities in developing countries that suffer from excessive losses, low collections, poor service, theft and corruption, dissatisfied customers, unmet demand, under-investment, and load shedding. Improving the billing and metering, collections, and financial viability of the power distribution sector is critical to putting the power sector as a whole on a sound financial basis. In such situations when far-reaching reforms are required, how can a utility design a comprehensive program that sets the

**DAY 1 Afternoon Monday, March 14 (PARALLEL SESSIONS Cont'd)**

right priorities and achieves the necessary progress in reforms? Where does it start? What are the key elements of a programmatic approach? A lead-off presentation by PA Consulting and USAID will introduce the findings of a recent study illustrated with some case material. A panel of discussants comprised of World Bank task managers and utility representatives will relate their experience of what has worked in the past.

- Building support and enhancing participation in large hydroelectric projects - The case of strategic communication -- Empedocle Maffia (Moderator). HE. Emmanuel O. Grant, Minister of Energy and Power of Sierra Leone; John Paul Murdoch, Quebec Cree Nation; Réal Courcelles and Peter Leonard, Hydro-Québec; Leonardo Mazzei, World Bank*** -- Building support, enhancing stakeholder involvement, and ensuring effective community participation in large hydroelectric projects is integral to sustainable energy development. The use of effective development communication has an increasingly important role as a catalyst of dialogue and inclusion between government, project proponents; planners; and local, national and international stakeholders involved in infrastructure development, such as hydropower projects. Strategic communication applied in an effective manner can help bridge gaps and reach consensus by increasing transparency and participation in the decision-making process, explaining costs and benefits to different stakeholders in ways that resonate with them, and putting in place communication mechanisms that allow stakeholders to voice their concerns and express their views throughout the entire project cycle. Projects that will be discussed include: Bumbuna Hydroelectric Project (Sierra Leone): *Starting early, doing it right* ; Cree of Eeyou Itchee and Hydro Québec: *Working with Indigenous Peoples and the Importance of Communication: the Case of the Eastmain and Eastmain-1.*

**DAY 1 Afternoon Monday, March 14**

**5:00 – 6:00 SPECIAL PRESENTATION Professor John Holdren**

**Moderator: Bob Watson, Chief Scientist and Senior Advisor, The World Bank**

**John Holdren** is the Teresa and John Heinz Professor of Environmental Policy and Director of the Program on Science, Technology, and Public Policy at the John F. Kennedy School of Government, and Professor of Environmental Science and Public Policy in the Department of Earth and Planetary Sciences at Harvard University. Professor Holdren is Co-chair of the National Commission on Energy Policy (US). The Commission's report "Ending the Energy Stalemate, A Bipartisan Strategy to Meet America's Energy Challenges" was released in December '04 ([www.energycommission.org](http://www.energycommission.org)). The report is of particular interest for developing countries as energy policies that will be pursued in the US will have worldwide repercussions. He will discuss the recommendations of the report that address economic, security and environmental challenges of energy development and their international implications.



**DAY 2 Morning**      **Tuesday, March 15**

**9:00 – 10:30**

**GOVERNANCE - PLENARY SESSION**

**Moderator: Richard Stern, former Vice President of The World Bank**

- **Governance: what really matters? – Alex Sundakov, Exec. Director Castalia** -- Good governance is key to ensuring that the best possible use of resources is employed to achieve the optimum level of service at least cost. It embraces a wide range of institutional features such as: the quality of public decision-making (policy coordination and planning); the reigning in of corruption that produces bad investment choices and inflated costs; and processes of consultation and accountability with stakeholders that can sustain reform programs.
- **Energy regulation in Africa: realities and future paths -- Anton Eberhard, Director Infrastructure Industries Reform and Regulation Management Programme, University of Cape Town (South Africa); Board Member, National Electricity Regulator of South Africa** -- Many African countries have created new regulatory systems as one element of their power sector reform. How have these regulatory systems performed? Do the systems need to be modified? If so, what are some possible changes? Although drawing from the experience in African countries, the lessons and possible future paths can be relevant to countries in other regions as well.
- **Governance and regulatory issues in private power development --Steven Ferrey, Suffolk University School of Law (UK) and Boston University (US)** -- What are the elements of a transparent process to build investor, developer and lender confidence in power development? What changes in government behavior and what new rules need to govern the electric marketplace in order to catalyze this development?

**Discussion**

**DAY 2 Morning**      **Tuesday, March 15**

**11:00 – 12:30**

**PARALLEL SESSIONS**

- **Adjusting petroleum prices & protecting the poor -- Robert Bacon, World Bank (Moderator). Eleodoro Mayorga-Alba and Masami Kojima, World Bank; Peter Meier, Consultant** -- The session will focus on how the impact on households of price increases can be calculated, and what instruments are available to mitigate the impact of these increases on the poor. The session will also include a discussion of experience in attempting to implement a substantial petroleum product price adjustment in a developing country.
- **World Bank PRG for regulatory risk (Uganda and Romania) -- Bernard Tenenbaum, World Bank (Moderator). Emmanuel Nyirinkindi, Ministry of Finance of Uganda; Dorin Mucea, Ministry of Economy and Commerce of Romania; and World Bank Task Managers** -- The World Bank recently approved its first two guarantees for economic regulatory systems. The guarantees, issued to support planned privatizations and long term leasing of electricity distribution companies in Romania and Uganda, were designed to provide more credibility to a pre-specified, multi-year tariff setting system for the new enterprises. The session will address: What is being guaranteed? How are the guarantees structured? What are their costs and benefits?
- **Rural electricity access -- Ton de Wilde, World Bank (Moderator). Alex Sundakov, Castalia; Hany Assaad, IFC; and Bétonus Pierre, Ministry of Mines and Energy of Haiti** -- Scaling up energy access calls for dual track public and private funding, attracting a diversity of new players that introduce technology and management know-how within a competitive and transparent rules-based framework. It includes the transforming of incumbent underperforming electric cooperatives to commercially viable entities. The session will focus on policy and

**DAY 2 Morning**    **Tuesday, March 15 (PARALLEL SESSIONS Cont'd)**

institutional and regulatory reforms that can foster this enabling environment. A conducive enabling environment also involves building the technical capacity of local environmental SMEs and the financial institutions that can serve them. Presentations will draw on a best practice review of the World Bank and IFC and new approaches in the Philippines, Brazil and South Africa and other countries that hold potential.

- ***Innovative DSM tools to help bridge the supply-demand investment gap*** -- **Luiz Maurer, World Bank (Moderator), Susan Covino, PJM Interconnection; Ahmad Faruqui, Charles River Associates; and Grayson Heffner, World Bank** -- Recent power shortages and blackouts around the world have created renewed interest in using the demand side of electricity markets to avoid or ameliorate such crises. New approaches to demand response involving price and quantity rationing have been proposed and successfully tested in several developed countries. Unfortunately, the Bank's client countries are not fully harnessing the potential of demand response to make their power systems more reliable and to provide affordable electricity. This panel will share some of those experiences and will discuss how developing countries can potentially benefit from innovative demand-side management techniques.

**12:30 – 2:00**                    **Lunch Break**

**1:30 – 2:00**                    **Film showing**  
***Sustainable energy; five cameos from East and South Asia***

**DAY 2 Afternoon**    **Tuesday, March 15**

**2:00 – 3:30**                    **ENERGY and ENVIRONMENT – PLENARY SESSION**

**Moderator: Bob Watson, Chief Scientist and Senior Advisor, The World Bank**

- ***Air pollution and policy instruments in developing countries*** -- **Alan Krupnick, Senior Fellow and Director, Quality of the Environment, Resources for the Future** -- What are the most serious air pollution problems in developing countries and how to design policies to address them? Policies appropriate for developed countries may not be appropriate for developing countries. What factors in developing countries will determine the choice of policies (e.g. direct regulation, tradeable permits, fees or taxes, voluntary, legal liability, etc.) and what are the trade-offs between the different approaches? The presentation will draw from experience in China and the Philippines.
- ***Kyoto and beyond*** -- **Yvo de Boer, Director of Environment, Ministry of Environment of the Netherlands** -- With the entry into force of the Kyoto Protocol, the OECD signatories and many of their energy companies are taking action to meet their commitments to reducing greenhouse gas emissions. One of these actions is to engage the World Bank's Carbon Finance Business to purchase emission reductions on their behalf. Others include purchasing credits through private brokers, encouraging domestic action, and conceiving innovative funding mechanisms for eligible projects including renewables and energy efficiency. This session will discuss a key participant's strategy for meeting their obligations under the Kyoto Protocol, and its outlook on Kyoto and beyond.
- ***Energy planning and technology choice*** -- **Shimon Awerbuch, Tyndall Centre Visiting Fellow SPRU, University of Sussex, UK** -- The role of renewables in mitigating against fuel price and availability risks and why it is important to do so. An overview of the methodologies that value the benefits of energy portfolio diversification and how to integrate the results into least-cost planning. What is required of policy makers for implementation?

**Discussion**

**DAY 2 Afternoon**    **Tuesday, March 15**

**4:00 – 5:30**

**PARALLEL SESSIONS**

- ***Integrating commercial renewable energy in energy planning*** -- **Chas Feinstein, World Bank (Moderator)**. **Claudio Alatorre, Ministry of Energy, Mexico; Shimon Awerbuch, University of Sussex and Tyndall Centre for Climate Change Research (UK); and Romesh Bandaranaike, Eco Power (Pvt) Ltd.** -- Many forms of renewable energy, particularly the intermittent renewables such as run-of-river hydro and wind, pose particular challenges for their fair valuation and integration into grid systems. How can the barriers be overcome, and what are the appropriate financing strategies?
- ***Opportunities for gas use (including gas flaring reduction)*** -- **Bent Svensson, World Bank (Moderator)**. **Dennis Fahy, West African Pipeline Company (WAPCO); Redouane Haddadji, Sonatrach, Charles McPherson, Francois-Regis Mouton, Sascha Djumena and Vijay Iyer, World Bank** -- This session will give examples of an integrated approach on efforts to commercialize hitherto stranded gas and make it available to the local population or for export. It will also discuss sustainability issues in the Bank's dealings with oil and gas projects and policies in its client countries, including transparency and governance, gas flaring reduction, social aspects and stakeholder consultation and financing, in particular carbon financing, illustrated by 2-3 case studies. The session will have the following presentations: *Policy reform in Nigeria: Governance, Fiscal Reform and Flare Out* and *Marketing of Remote Gas and Carbon Financing in Algeria*.
- ***Optimizing transmission investment, operations and market design*** -- **Ian Alexander, World Bank (Moderator)**. **Representatives of Powergrid, India; Monica Hale, Todd Davis and Ralph Zarumba, SAIC** -- There is no standard approach or framework that applies to designing transmission infrastructure, market design and operational management of the grid in developing countries. This session will discuss the variety of approaches taken in less developed economies and their experience. Attention will also be devoted to how emerging economies might avoid expensive grid reinforcement by using more advanced power flow optimization tools.
- ***Power generation technology assessment report*** -- **Masaki Takahashi, World Bank (Moderator)**. **Yoneyama Keiichi & Toshiomi Sahara, Chubu Electric Power Co. (Japan); E. Stratos Tavoulareas (consultant) and Mahesh Vipradas (TERI, India)** -- The assessment compares the cost of capital investment, electricity and technical characteristics of alternative technologies. These alternatives include fossil fuel technologies and renewable technologies for small distributed generations for off-grid applications of PV, wind, diesel to a large centralized power plant, applications of gas combined cycle and coal-fired power plant.

**RECEPTION**    **5.45 pm – 7.45 pm for all participants**

**DAY 3 Morning**    **Wednesday, March 16**

**9:00 – 10:30**

**ELECTRICITY INVESTMENT - PLENARY SESSION**

**Moderator: Jamal Saghir, Director, Energy and Water, The World Bank**

- ***Private power investment - bridging the gap*** -- **Robert Hart, President & CEO, GLOBELEQ** -- 2003 and 2004 saw a pick-up in international private investment in the power sector in developing countries that had ebbed after 1999 due to macroeconomic shocks and other factors. With market valuations of the main international sponsors also having recovered, and with robust economic growth, the outlook is for an increased pipeline of projects. The viewpoint of an international private sponsor on what conditions are necessary to sustain and expand the volume and number of investments.

**DAY 3 Morning**      **Wednesday, March 16**

- **Roberto Simon, Managing Director, Project Finance, Societe Generale**
  
- **Romania's energy strategy and privatization program -- Dorin Mucea, Head of the Office of State Ownership and Privatization in Industry, Ministry of Economy and Commerce, Romania** -- The experience of a senior government strategist in leading preparation and implementation of Romania's energy strategy, its energy privatization program and in negotiating the privatization transactions.

**Discussion**

**DAY 3 Morning**      **Wednesday, March 16**

**11:00 – 12:30**      **PARALLEL SESSIONS**

- **Multiple perspectives on scaling up hydropower –Jamal Saghir (Moderator). Daryl Fields & Gary Stuggins, World Bank; Ute Collier, World Wildlife Fund (WWF); Judith Plummer and Dejan Ostojic, World Bank** -- The World Bank has committed to a robust infrastructure program and to re-engaging in hydropower. A plan to enhance the Bank's capability and effort has been drafted and management has confirmed their support. However, scaling up after a decade of limited activity will pose both opportunities and its challenges. A panel made up of a country director, task leader, NGO and client country will share their perspectives on the good, the bad and the just plain complex aspects of the new strategy.
  
- **Opportunities and strategies for carbon finance -- Veronique Bishop, World Bank (Moderator). Fernando Cubillos and Varadan Atur, World Bank; Andrei Marcu, International Emissions Trading Association (IETA); Julie Smith-Galvin, Director of Corporate Affairs, Enel North America; and Richard Rosenzweig, Natsource LLC** -- The Kyoto Protocol provides an unprecedented opportunity for enhancing the financial viability of climate-friendly energy projects in developing and transition countries through the sale of carbon credits. This panel discussion will quantify these opportunities and present several perspectives on how to bring them to fruition.
  
- **Innovative approaches to slum electrification -- Prasad Tallapragada, World Bank (Moderator). Simone Lawaetz, USAID; Jaime Millán, IADB; Carlos Rufin, Babson College (U.S.); Connie Smyser, Smyser and Associates; Antonio Pinhel, COELBA** -- Approaches and lessons learned on programs to regularize and expand access to electricity in slum areas. Apart from transfer of ownership, privatization needs to be characterized by strong incentives to reduce losses and provide quality service. Strategies adopted by utilities include legalizing illegal ones as well as adding new ones while addressing the service quality/tariff trade-off. A key finding was that community-based groups, serving as an intermediary between customers and the electricity distribution company utility, offered a promising model to provide access while improving collections.
  
- **Operational toolkit for renewable energy projects -- Xiaodong Wang, World Bank (Moderator). Pat DeLaquil; Jon Exel; Charles Feinstein, and Vijay Iyer, World Bank** -- As part of the effort to scale up renewable energy projects, the World Bank is developing an *Operational Toolkit to Design and Implement Renewable Energy Projects*, which aims to assist Bank staff and country counterparts in improving their design and facilitate their implementation. It will provide guidance, case studies, lessons learned, and sample documents on the design of renewable energy projects. As this is an evolving product, this session is intended to get feedback on its relevance and usefulness. The present draft toolkit is primarily for the use of Bank task managers, but its scope will be broadened to include others - developers, bankers, policymakers, regulators etc. A panel of experienced renewable energy practitioners and Bank task managers will share their experience and provide comments on the toolkit.

**12:30 – 2:00**      **Lunch Break**

---

**DAY 3** Afternoon Wednesday, March 16

1:45 – 2:00

Film showing

*Save energy, make money; energy efficiency in China and  
Energy efficiency in Serbian schools and hospitals*

---

**DAY 3** Afternoon Wednesday, March 16

2:00 – 3:30

**WHAT DID WE HEAR AT ENERGY WEEK? - PLENARY SESSION**

Moderator: Jean-Marie Chevalier, Professor of Economics at the University of Paris-Dauphine and CERA Director

Discussants to be confirmed

---

**SIDE EVENTS March 17 & 18**

**See Energy Week program booklet and website for schedule of side events**

**[www.worldbank.org/energy/energyweek2005/](http://www.worldbank.org/energy/energyweek2005/)**