

May 22, 2007

ESMAP eNews

Providing Energy Solutions to Reduce Poverty

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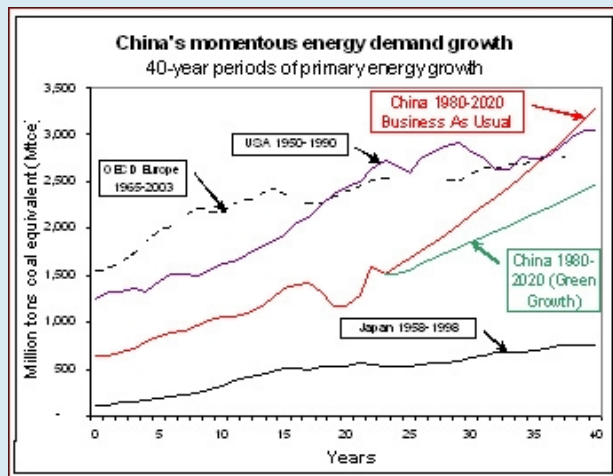
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In the Spotlight

China's Energy Future: Balancing Growth with Sustainability

How does energy growth in China during the period 1980 to 2020 compare to similar growth trends in other countries? Based on historical data and alternative scenarios up to 2020, this new ESMAP-funded book, "Sustainable Energy in China: The Closing Window of Opportunity," looks closely at the resources China will need to satisfy its energy demands and the consequences of economic growth on China's natural resources. Energy sustainability will require a "resource-conscious society" at the cutting edge of energy development, better regulation, and a coordinated energy strategy. The book is [available online](#) or copies can be [purchased](#).

Energy Snapshot



China is at an early stage of energy development, which means a 20-year period of energy consumption dominated by heavy industry is expected. Projections show China's energy consumption will quadruple in half the time the same growth occurred in the US. Under current policies and practice, China's energy demand will eclipse that of OECD Europe and the US at the high points of their energy growth, by 2020. (Source: BP Statistical Review of World Energy 2004, Governments of Japan, China, US Department of Energy)

Other Highlights

Saving Energy in Rwanda

The Rwandan Ministry of Infrastructure has begun distributing 50,000 Compact Fluorescent Lamps (CFLs) as part of the World Bank's Urgent Electricity Rehabilitation Project. The project, designed and developed by the Africa Energy unit (AFTEG) with technical support from ESMAP, is being implemented by the local electrical utility, Eletrogaz. "The bottom line," said Rwandan State Minister for Energy and Communication, Eng. Albert Butare, "is for us to be able to save enough power. With the energy saving lamps in use, Eletrogaz will be able to reduce on load shedding, and surplus power saved in the process will be readily available for supply in case of power shortages." A similar CFL distribution project also designed by AFTEG and supported by ESMAP is underway with the goal of distributing 600,000 lamps through a local utility. Read the story on [ESMAP's website](#).

GAP-Fund -- Improved Stoves Highlighted on Brazilian News

A popular Brazilian afternoon news program, Jornal de Hoje, which captures 44% of national television audiences, showcased the IDER stove being promoted in rural Brazil to alleviate indoor air pollution. Household cooking energy in Brazil is now derived more from biomass than LPGs following a slight reverse substitution due to the rise in price of the LPG in the past 10 years. The IDER stove, priced at R\$180 (about US\$75), is part of a GAP-Fund project and is being championed as a model example for other NGOs in northeastern Brazil. [Watch the newscast in Portuguese.](#)

BBC's Climate Challenge Series Recognizes Award-Winning Project

On May 2, BBC TV showcased a World Bank-funded initiative in Bangladesh that was modeled on an ESMAP off-grid electrification project in Laos to support microfinance and promotion of solar home systems. The [Bangladesh Rural Electrification project](#), implemented through Grameen Shakti, received the [Ashden Awards](#) on a popular BBC Climate Change series. Series producer Robert Lamb explained, "Climate change can seem overwhelming, leaving

the public asking what possible difference can I make? The Ashden award winners are the best answer I can think of to that question." An upcoming ESMAP KES Note will assess off-grid electrification in Bangladesh and Sri Lanka.

Energy Sector Takes the Lead in African Poverty Reduction Strategies

The [Forum of African Energy Ministers \(FEMA\)](#), with the support of ESMAP, held its annual conference in Maputo, Mozambique, on March 28-30. Fifteen Ministers, along with representatives of donor agencies and other regional sector leaders, adopted the Maputo Declaration committing to FEMA as the forum for promoting African ownership, advocacy and articulation of solutions for African energy challenges. In particular, the Ministers agreed to prioritize the energy sector in national planning and poverty reduction strategies, promote regional initiatives, adopt sector-wide approaches to investments in energy access, and establish a regulatory environment to attract local and foreign investments.

Development Marketplace Winners Still Shining

Small-scale providers of energy, water, and sanitation solutions are being recognized again by the World Bank's Development Marketplace with awards to continue their work. From solar-powered refrigeration to micro-enterprises for rural electrification projects, the 30 winners have been funded by the Bank to pilot creative and replicable energy, water, and sanitation solutions to the world's poor. All project winners are [online](#). Check out [this newsletter](#) for an innovative Solar Campus project in Cambodia.

ESMAP Consultative Group Meeting Endorses Program Goals

ESMAP donor partners from twelve countries convened in Berlin on March 8-9 after the Africa-Europe Energy Forum. The meeting was hosted by KfW and the Government of Germany. Discussions were held about strengthening the program's focus on Africa, climate change, and renewable energy. The achievements of ESMAP and the Asia Alternative Energy Program (ASTAE) in 2006 were also reviewed. The CG gave special thanks to Andrew Barnett for ten years of service to the Technical Advisory Group for ESMAP and ASTAE. The full two-day agenda and links to all presentations given are available [online](#).

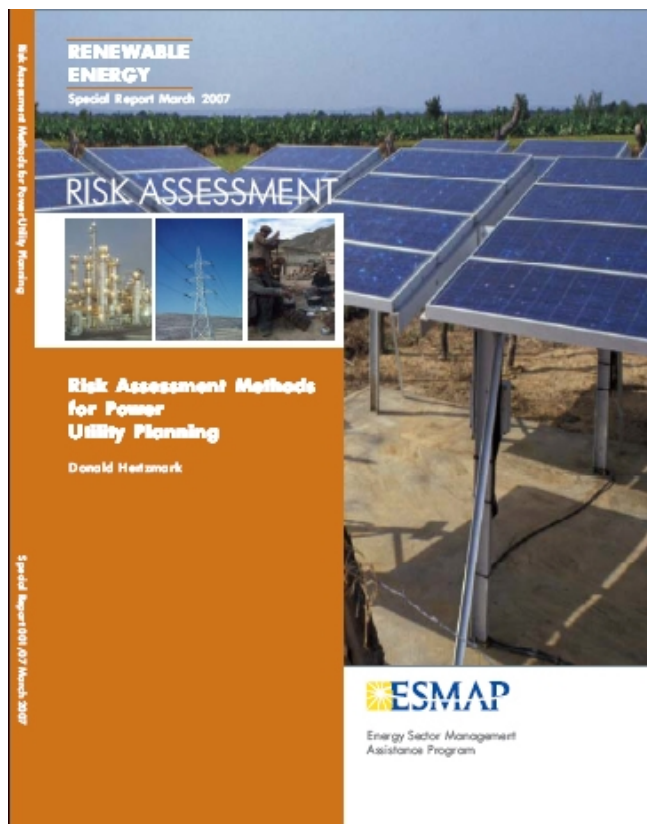
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Featured Publication

Risk Assessment Methods for Power Utility Planning

More than 15 years ago, the World Bank reported that the planning environment for their clients' electric utilities was becoming increasingly difficult. Today the situation for power system planners is even more uncertain about prices and costs.

With traditional and newly identified risks over power utility planning in mind, ESMAP convened an expert consultation workshop on June 27-28, 2006. The analytical and empirical presentations from the workshop, discussed in this ESMAP report, indicate renewed interest in the overall subject of investment assessment, especially in regards to the integration of risk analysis. The conclusions from this workshop point toward greater use of more detailed and integrated approaches to modeling investments in unbundled and privatized power systems. This [ESMAP Special Report](#), the first under the Renewable Energy series, is dedicated to the memory of a friend and a very well respected professional, Mr. Shimon Awerbuch.



More Powerful Resources

Recently Published

[Potentiel de reduction des couts de l'electricite et Strategie sectorielle d'accroissement de l'acces a l'Energie en Republique de Djibouti](#) (Electricity Cost Reduction Assessment and Energy Access Sector Strategy for Djibouti). ESMAP Technical Report 110/07 FR.

[Greater Mekong Sub-region Options for the Structure of the GMS Power Trade Market: A First Overview of Issues and Possible Options](#). ESMAP Technical Report 108/06.

[Colombia: Desarrollo Economico Reciente en Infraestructura. Balanceando Las Necesidades Sociales y Productivas de la Infraestructura](#). ESMAP Technical Report 107/06 SP.

[Actes du Forum International Sur Les Energies Renouvelables Raccordees au Reseau](#) (Grid-Connected RE Policy Forum- Mexico). ESMAP Formal Report 324/07 FR.

Recently Held Events

"[Lessons Learned from Nigeria LPG: The Case for Cameroon and Ghana](#)." Presented by Mourad Belguedj, Task Team Leader and Helmut Merklein, Consultant. Friday, April 27. Washington, D.C.

[Book Launch: People and Power: Electricity Sector Reforms and the Poor in Europe and Central Asia](#). April 10, 2007. Washington, D.C.

[Mobilizing Commercial Lending for Energy Efficiency/ Renewable Energy Projects: IFC's Evolving Approach](#) organized by the Energy Efficiency Thematic Group (EETG) and presented by Ian Crosby - IFC Moscow, Sustainable Energy Regional Program Mgr., Miles Stump - Program Mgr, Russia Sustainable Energy Finance Program, Calvin Xu - Program Mgr, China Utility-Based Energy Efficiency Program, and Pavol Vajda - Program Mgr, Commercializing EE Finance Program. March 21, 2007. Washington, D.C.

[The Energy Efficiency Thematic Group \(EETG\) presented Energy Efficiency in Buildings: Experiences from India](#) on March 14, 2007. Washington, D.C.

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