

Mexico: Workshop on Energy Planning, Scenario Development and Modelling in Mexico

Issues and challenges in the Mexican power sector were discussed during a two day workshop on energy planning, scenario development and modelling hosted by Mexico's secretariat of Energy (SENER) in mid-February.

Discussions during this workshop acknowledged potential benefit for all stakeholders through the <u>Climate and Energy program</u>. The LCTU expert Edward James-Smith presented <u>Danish Energy Policy and Regulatory Tools</u>. This, along with presentations on <u>The Danish Power Market</u> and <u>National Analysis on Security of Electricity Supply</u>, by other experts from the Danish Energy Agency, served as a basis for discussions on Danish input through <u>the Climate</u> and Energy Program.

SENER, the Energy Regulatory Commission (<u>CRE</u>), and the federal electricity commission (<u>CFE</u>) presented project ideas and areas of interest where Danish experience and expertise could be utilized though the <u>Climate and Energy program</u>. The activity during this workshop showed great interest in various topics within the program by <u>SENER</u>, CRE and CFE.

The SENER division for sustainability highlighted the following activities:

- Policy modelling workshop in April on system operation and investments in the power sector including stakeholders such as universities and technical institutions
- Long term visits for system operators and PhD students etc. to Denmark to gain experience in specialised areas relating to wind power
- Visit to Denmark by SENER planned in late May or early June

The SENER department for renewable energy drew attention to the following:

- Integration of wind power in general
- Tax incentives used in Denmark for promoting renewable energy

- Study on options for replacing fuel oil-fired generation with renewable energy
- Integrated renewable energy solutions in buildings
- Distributed generation schemes
- Challenges on the distribution grid for absorbing distributed generation

The SENER bioenergy department is very interested in activating the program to cover the following issues:

- Advice on Danish experiences with thermal power generating technologies using biomass with focus on forest residue
- Capacity building in the forestry sector on supplying biomass to power generators
- A technology assessment of waste incineration in the Mexican context
- Development of capacity in SENER for undertaking monitoring and evaluation of biomass use in Mexico
- Assess technical solutions for the use of large scale biogas in Mexico
- Visit to Denmark by biofuels division in May

The CRE highlighted the following topics for cooperation under the program:

- Incentives in regulation for promoting renewable energy with focus on voluntary agreements and taxation policies
- Policies on smart grids and regulatory implementation of smart grids
- · Comments on the regulatory roadmap for smart grids in April
- The CFE requested the following activities:
- Technical and economic assessment for identifying areas suitable for wind power development
- Studies indicating the extent that wind power can be absorbed into the Mexican power system

This input will be a part of further development and implementation of the LCTU Climate and Energy program.

- The Danish Power Market
- The Danish Energy Policy and Regulatory Tools
- National Analysis on Security of Electricity Supply

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