

CONFERENCE ON ENERGY EFFICIENCY IN CITIES

June 17 and 18, 2014, Mexico

Context

The International Energy Agency estimates that in the 2010-2025 period energy demand will increase at a 1.5 annual average rate due mainly to the global economic expansion of almost 140 percent and an increase in population to 1.7 billion inhabitants.

This scenario results from a larger participation of emerging economies in the world demand of primary energy, from 35 percent in 1973 to 55 percent in 2010. Estimates show that this growing trend is likely to continue, reaching more than 60 percent by the end of the decade. In addition, greenhouse gas emissions have increased and driven to a large extent by the upward trend in energy consumption in the last 30 years. Emissions from cities account for two thirds of the greenhouse gas emissions; thus from a climate change perspective it is important to revert this trend.

Cities experience continued population growth due to the migration towards the large urban centers, as people look for better job opportunities and living conditions. The population growth coupled with economic growth will most likely generate a larger demand for municipal services, such as street lighting, transportation, energy, water, ICT, or solid waste management.

Improving resource efficiency and lowering energy use can yield important financial savings and other benefits for cities. Energy consumption is a major cost for local governments and competes for resources with other economic and social development programs.¹ Reducing energy expenditures can create fiscal space to allow municipalities to redirect investments towards the expansion of social services or to meet critical infrastructure investment priorities, which in turn may contribute to job creation and economic growth.

In this context, raising awareness through a political dialogue among key stakeholders is an important venue to support the discussion and analysis where various experiences on actions, problems or impacts can be shown. This can contribute to spread knowledge and lessons learned to promote and strengthen best practices in the use of energy in all sectors within a city.

Conference on Energy Efficiency in Cities

The objective of the Conference on Energy Efficiency in Cities is to help identify opportunities and obstacles, and understand how to build bridges between national policy-making and local implementation to accelerate and scale-up energy efficiency at the municipal level. Bringing together national and international experts, stakeholders and policy makers from local and national governments, the conference seeks to frame the debate around the leveraging energy efficiency at

¹ Singh, J. et al. 2010. Public Procurement of Energy Efficiency Services: lessons from international experience. The World Bank. Washington D.C.

the national and sub-national levels to support the identification of pathways and identification of actions that increase and improve municipal services for growing urban populations, alleviate financial and fiscal pressures, contribute to cities' development and competitiveness and help address energy priorities while reducing local and global pollution.

Summary of the Workshop:

Duration: 1.5 days

Venue: Mexico Technology Museum (MUTEC),
Av. Los Compositores, Bosque de Chapultepec II, Miguel Hidalgo, Mexico
City

Date: June 17 and 18, 2014

Participation: By invitation (approx. 250 people)

Agenda: See next page.

DAY 1 (June 17th): National and Local Perspectives on Urban Energy Management

| Time | Session/Objective | Speaker |
|-----------------------------------|--|---|
| 15:30 – 16:00 | Registration | |
| 16:00 – 16:30 | Opening Remarks – Welcome and overview | <p>Mr. Leonardo Beltrán, Deputy Secretary for Energy Planning and Transition, SENER</p> <p>Mr. Harold Bedoya, Country Manager, Mexico and Colombia, WBG</p> <p>Mr. Hamilton Moss, Vice President Energy, CAF</p> |
| Networking Coffee Break (10 min.) | | |
| 16:40 – 18:00 | <p>The Energy Efficiency Dimension for Cities</p> <p>The energy sector plays an essential role in supporting the functioning of cities. All urban services networks and sectors of the economy require energy to function, including water supply, sewage networks, transportation, waste management, street lighting, buildings, construction, manufacturing, and ICT (information, communications and technology). This session will provide an overview and explore issues that need to be considered and challenges dealing with existing urban systems.</p> | <p><i>Moderator:</i> Mr. Benoit Lebot, Executive Director, IPEEC</p> <p><i>Presentations:</i> Ms. Adriana Lobo, Executive Director, Mexico World Resources Institute – ROSS Mr. Gérard Magnin, Director, Energy Cities Mr. Iván Jaques, Senior Energy Specialist, Energy Efficient Cities Program Team Leader, ESMAP/WB</p> <p><i>Discussants:</i> Mr. Gabriel Navarro, Environment and Public Services Secretary, Municipality of Puebla Mr. Fidel García, General Director of Environment, Municipality of León</p> <p><i>Open discussion</i></p> |
| Networking Coffee Break (10 min.) | | |
| 18:10 – 20:10 | <p>Unleashing Energy Efficiency in Cities: A Role for National Policies</p> <p>National policies are key to promote and support local level implementation of efficient city energy systems. The session will explore effective policies and programs at the national level (e.g. standards and labels, regulation, fiscal and financial incentives, information campaigns, or others) to encourage a systematic implementation of energy efficiency solutions at the local level. The discussion will consider success factors and barriers to be addressed.</p> | <p><i>Moderator:</i> Mr. Philippe Benoit, Head Energy Efficiency and Environment Division, IEA</p> <p><i>Presentation:</i> Mr. Leonardo Beltrán, Deputy Secretary for Energy Planning and Transition, SENER Mr. François Moisan, Director of Economic Department at ADEME, IPEEC France Representative Mr. Ajay Mathur, India Bureau of Energy Efficiency, IPEEC India</p> |

Representative

Mr. Masayuki Dewaki, Senior Assistant Director, International Affairs Office, METI, IPEEC Japan Representative

Mr. Marcel Alers, Head Energy, Infrastructure, Transport & Technology, UNDP - GEF

Round Table Discussion

Open discussion

21:00

Welcome Dinner – Marriot Reforma Hotel (Paseo de la Reforma 276, Cuauhtémoc, Juárez)

DAY 2 (June 18th): Energy Efficiency in cities in Practice

09:00 – 09:50

Keynote Speaker: Dr. Michael Grubb

Professor of International Energy and Climate Change Policy, University College London - UCL Institute of Sustainable Resources
Senior Advisor on Sustainable Energy Policy to the UK Energy Regulator Ofgem.

Networking Coffee Break (10 min)

10:00 – 11:20

Early Adopters of Efficient Energy in Cities

Despite good excellent practices and progress in some cities, important gaps remain for supporting energy efficient urban systems. This session will look at how local governments implement energy efficiency programs, including the identification of local interventions that may be most effective at stimulating uptake of EE, success factors and obstacles, as well what is missing from national authorities to encourage further local implementation.

Moderator: **Mr. Ajay Mathur**, India Bureau of Energy Efficiency, IPEEC India Representative

Presentation:

Mr. Manuel Olivera, Regional Director for Latin America, C-40

Mr. Odón de Buen, Executive Director, CONUEE

Mr. Edgar Villaseñor, Regional Secretary for Mexico, Central America & the Caribbean Secretariat, ICLEI

Discussants:

Mr. Carlos Izurieta, CEO of Especial Proyectos, Renewable Energy and Energy Efficiency, Empresa Eléctrica de Quito

Ms. Luciana Nery, Sustainability Advisor at the Mayor's Office, Municipality of Rio

Open discussion

Networking Coffee Break (10 min.)

11:30– 13:00

Enabling Environment: Financial Mechanisms for Energy Efficiency Investments

Fiscal and financial incentives are an important element for an enabling environment for efficient energy systems in cities. This session will discuss the main financing barriers that need

Moderator: **Mr. Todd M. Johnson**, Lead Energy Specialist, WBG

Presentation:

Mr. Hamilton Moss, Vice President Energy, CAF

to be addressed for investment decisions, and lessons learned of successful financial mechanisms and how easy/difficult is it to implement and replicate the mechanisms?

Mr. Saurabh Kumar, Managing Director of Energy Efficiency Services Limited
Mr. Robert Taylor, Independent Expert

Discussants:

Mr. Jorge Wolpert, Director Urban Development and Housing, CONAVI/SEDATU

Dr. Raúl Talán, Executive Director, FIDE

Open discussion

13:00 – 14:30

Lunch –

Keynote Speaker: Lawrence H. Goulder

Director of the Stanford Center for Environmental and Energy Policy Analysis;
Shuzo Nishihara Professor in Environmental and Resource Economics;
Stanford University

14:30 – 16:00

Communication and Capacity Building towards Efficient Energy Systems

Regulatory and financial measures alone may not be sufficient to implement efficient urban energy systems to its potential. These typically need to be accompanied awareness raising and capacity building to stimulate greater uptake of energy efficiency in the various urban sectors, as well as to better integrate energy efficiency as an important criteria in planning for investments and decision-making. This session will discuss different communication approaches and strategies and how they may be adapted to different contexts.

Moderator: **Ms. Janina Franco**, Energy Specialist, WBG

Presentation:

Ms. Laura Van Wie, VP International Programs, Alliance to Save Energy;

Mrs. Graziella Siciliano, GSEP Coordinator, Clean Energy Ministerial (CEM) – US DOE

Mr. Rubén Guerra, Mexico Representative, R20

Discussants:

Ms. Francisca Rivero, Programmatic Energy Coordinator, AVINA

Ms. Evangelina Hirata, President of Quality and Sustainability in Buildings, CASEDI, A.C.

Open discussion

Networking Coffee Break (15 min.)

16:15 – 17:45

Tools and Technology Innovations

Given the rapid evolution of overall technology and information and communications technology, it is important to think about how they can be harnessed to support an enabler environment for the realization of energy efficiency in cities. This session will highlighting the role of technology to help enhance energy efficiency in cities.

Moderator: **Ms. Martina Bosi**, Senior Energy Specialist, ESMAP /WBG

Presentation:

Mr. Efrén Franco,

International Copper Association

Mr. Jake Levine, Senior Manager Market Development, Latin America, O-Power

Mr. Eric Mackres, American Council for an Energy Efficient Economy (ACEEE),

Mr. Mark LaFrance, Building Energy

Technology Policy Analyst, IEA

Discussant:

Dr. Marco Matteini, Industrial Energy Efficiency Unit, Energy and Climate Change Branch, UNIDO

Mr. Santiago Creuheras, General Director Energy Efficiency and Innovation, SENER

Open discussion

Networking Coffee Break (15 min.)

18:00– 18:30

Closing Remarks

Mr. Leonardo Beltrán, Deputy Secretary for Energy Planning and Transition, SENER

Mr. Malcolm Cosgrove-Davies, Sector Manager Energy, WBG

Mr. Hamilton Moss, Vice President Energy, CAF

20:00

Closing Dinner – Marriot Reforma Hotel (Paseo de la Reforma 276, Cuauhtémoc, Juárez)