

## **Economic Commission for Europe**

### **Committee on Sustainable Energy**

#### **Group of Experts on Energy Efficiency**

##### **Fourth session**

Geneva, 31 October-1 November 2017

### **Best practices in selected economic sector to improve energy efficiency (agenda item 3)**

31 October 2017

#### **I. Concept note on achieving the full energy efficiency potential within industry**

1. One of the main reasons that the full potential offered by energy efficiency (over 25 percent industrial energy use reduction) remains largely untapped is that in most cases it is treated separately from a company's day-to-day core operations.

2. In order to explore this situation in more detail, two workshops were organized by the United Nations Economic Commission for Europe (ECE), *Policy Maker Meets the Engineer* (Geneva, 19 January 2017) and *Creating the Business Case for Energy Efficiency: Engaging Governments with Industry* (Astana, 13 June 2017). The first one considered how to overcome the communication gap between policy makers and industry by engaging with a policy's end user - the engineer - from the beginning of the policy development process. The second workshop looked at energy solutions as a potential driver of many different types of productivity improvements within a company.

3. In order to be able to address the challenges posed by the communication gap and lack of an energy efficiency business case, a first step is to have an effective sustainable energy strategy in place within a company. In effect, the communication gap is a key barrier to widespread implementation of energy efficiency, to which the business case approach provides a solution. However to implement this solution, the right type of strategy must be in place that is integrated into a company's core business operations and supported by senior management.

4. The discussion under this agenda item of the GEEE session has therefore the objective to discuss the challenges of developing business orientated sustainable energy strategies, along with proposals for new approaches to their development, from the perspectives of industry and policy makers. The session will also present on existing sources of practical information that can help companies and policy makers create more effective business cases for energy efficiency measures.

## II. Provisional Agenda

<i>Time</i>	<i>Topic</i>	<i>Speakers</i>
15:00 – 15:10	Welcome and introduction  Summary of <i>Policy Maker Meets the Engineer</i> and <i>Creating the Business Case for Energy Efficiency: Engaging Governments with Industry</i> workshops	<b>Mr. Hannes Mac Nulty</b> , Development Manager, BG Consulting Engineers, Switzerland, Vice Chair, GEEE
15:10 – 16:15	<b>Presentations with discussion and questions from the floor</b>  An introduction to existing practical solutions that can provide the information required to build a solid business case for energy efficiency measures:  (a) Adapting industrial processes to a new power supply  (b) Financing energy efficiency  (c) Energy transition with Geo-spatial and Big Data  (d) Multiple benefits of energy efficiency	<b>Mr. Stefan Buettner</b> , Head of International Affairs & Strategy, Institute for Energy Efficiency in Production, University of Stuttgart, Vice Chair, GEEE  <b>Ms. Kankana Dubey</b> , Senior Research Associate, KAPSARC  <b>Ms. Alisa Freyre</b> , Consultant on Energy Programs, SIG, Geneva, Switzerland  <b>Ms. Catherine Cooremans</b> , Director of the Certificate of Advanced Studies (CAS) in Energy Management, University of Geneva; Associate, EcoDiagnostic
16:15 - 16:45	Coffee break	
16:45 – 18:00	<b>Panel discussion with questions from the floor</b>  <b>The topic:</b> The challenges of turning sustainable energy from fulfilling an obligation into a core business strategy.  <b>The key question:</b> What is a real sustainable energy strategy and how can it be developed to produce viable business orientated results?	<b>Mr. Christian Noll</b> , Managing Director, DENEFF (German Industry Initiative for Energy Efficiency), Vice Chair, GEEE  <b>Mr. Jean Garandel</b> , Utility and Industrial Services Expert, Givaudan International  <b>Mr. Helge Schramm</b> , Sustainability and LCA Expert, Danfoss  <b>Mr. Alexander Rothlin</b> , Investment Director, SUSI Energy Efficiency AG  <b>Mr. Marco Matteini</b> , Industrial Development Officer, Industrial Energy Efficiency Division, UNIDO (TBC)