



# ***New Energy Indicators for Buildings and Appliances: The Way Forward***

**25 & 26 October 2007**

***- A Joint ETO/LTO Workshop in the Framework of the G8 Dialogue on Climate Change,  
Clean Energy and Sustainable Development***

## **- Agenda -**

### **Thursday 25 October**

**8:45 Registration**

**9:15 Welcome and Introduction**

Welcome Introduction to G8 Indicators and Energy Efficiency Work  
*Mr. Noé van Hulst, IEA*

Workshop Aims  
*Mr. Peter Taylor, IEA*

**9:45 Session 1: Using Energy Indicators to support Buildings and Appliances Energy Efficiency Policy**

Chair: Mr. Noé van Hulst, IEA

*National and International Experiences of using Indicators to support the Development and Evaluation of Energy Efficiency Policy; Current Status and Plans for the Future*

The IEA's Energy Indicator Programme  
*Mr. Michel Francoeur, IEA*

The ODYSSEE Indicators Project for the European Union  
*Mr. Didier Bosseboeuf, ADEME, France*

Using Indicators to support National Energy Efficiency Policy: the Case of Canada  
*Mr. Chuck Spelay, NRCan, Canada*

Discussion (15 min)

**11:00 – 11:30 Coffee Break**

### **11:30 Session 2: Collecting the right Data to support Energy Efficiency Policy**

Chair: Mr. Jean-Yves Garnier, IEA

*What new Indicators are needed to support Energy Efficiency Policy, what Kinds of Data are currently available and where are the Gaps, who collects which Data and how can such Information be collated for Developing Indicators?*

Why do we need new Indicators?

*Mr. Mark Ellis and Mr. Jens Laustsen, IEA, France*

A National Framework for Data Collection: Example of the United States

*Mr. Mark Friedrichs, US Department of Energy, USA*

How can Survey Data help with Developing Indicators?

*Mr. Anton Eckl, GFK, Germany*

WBCSD EEB Buildings Data Initiative

*Mr. Kevin Otto, UTC, USA and Mr. Daniel Valery, EDF, France*

Discussion (15 mins)

### **13:00 – 14:30 Lunch**

### **14:30 Session 3: “Macro” Energy Indicators for Buildings**

Chair: Nigel Jollands, IEA

*Getting an Overview of Building Energy Use and Efficiency; the Problem of the Service Sector*

Understanding Energy Use in Households

*Mr. Jens Laustsen, IEA*

Understanding Energy Use in the Service Sector

*Ms. Christine Pout, BRE, United Kingdom*

Energy Use in Offices and Schools

*Mr. Egil Öfverholm, Swedish Energy Agency, Sweden*

Discussion (20 mins)

### **15:50 - 16:10 Coffee Break**

### **16:10 Session 4: Developing and using “micro” Indicators for Buildings**

Chair: Mr. Jens Laustsen, IEA

*Going beyond the Aggregate Picture; the Challenges of Households and Services, new Buildings, existing Buildings, the Complexity of Buildings (Types, Ages, etc.), Indicators for the G8 Work*

Potential Energy Savings in Danish Buildings

*Mr. Morten Tony Hansen, Danish Energy Agency, Denmark*

The Role of Long-term Monitoring

*Mr. Nigel Isaacs, BRANZ, New Zealand*

Indicators for the Energy Performance of Buildings  
*Mr. Randall Bowie, Rockwool International A/S, Denmark*

Discussion and Wrap Up (50 mins)

**18:00 Cocktail**

## **Friday 26 October:**

**9:00 Welcome to the Second Day**

**9:10 Session 5: Getting a Picture of Appliance Energy Use**

Chair: Mr. Mark Ellis, IEA, France

*Existing Approaches to developing Indicators for major Appliances, monitoring the Impacts of Labels and Standards, International Comparisons.*

Indicators to support Market Transformation in large Appliances  
*Mr. Kevin Lane, UK Market Transformation Programme, United Kingdom*

International Trends in Air Conditioning  
*Mr. Philippe Riviere, ARMINES, Center of Energy and Processes, France*

Tracking the Uptake of Efficient Appliances in Denmark  
*Mr. Richard Schalburg, Danish Energy Association, Denmark*

Discussion (30 mins)

**10:45 – 11:15 Coffee Break**

**11:15 Session 6: Tackling small Appliances**

Chair: Mr. Michel Francoeur, IEA, France

*How to get a Picture of energy Use outside of the Main Appliances, monitoring Stand-by Power, Data Collection, appropriate Levels of Disaggregation*

End-use Metering of 400 Swedish Households  
*Mr. Peter Bennich, Swedish Energy Agency, Sweden*

Analysis of Trends and Policy Impacts in Standby Power  
*Mr. Kotaro Ohkuni, The Energy Conservation Center, Japan*

Tracking the Performance of new Electrical Appliances  
*Mr. Mark Ellis, IEA*

Methodological Idea of Energy Efficiency Indicator Regarding Appliances  
*Mr. Narito Shibaïke, Panasonic, Japan*

Discussion (20 mins)

**12:45 – 14:15 Lunch**

**14:15 Session 7: Taking Energy Indicators into the Future**

Chair: Mr. Jean-Yves Garnier, IEA

Key Note Address

*Mr. Fridtjof Unander, Deputy Executive Director, ENOVA, Norway*

A new Framework for Buildings and Appliances Indicators

*Mr. Peter Taylor, IEA*

Roundtable

*All participants*

**15:45 Session 8: Conclusions and Recommendations**

Chair: Mr. Jean-Yves Garnier, IEA

**16:15 End of Workshop**