

Workshop on

Annual energy savings generated through energy efficiency obligation schemes and alternative measures implemented under EED Article 7

**Albert Borschette Conference Centre, Rue Froissart 36, 1040 Brussels
Room 4d
15-16 November, 2016**

RATIONALE AND DESCRIPTION

The EU Member States have submitted their fourth annual reports due by 30 April 2016 in accordance with Article 24(1) of the Energy Efficiency Directive (EED). These reports include information concerning energy savings achieved in 2014 through the national energy efficiency obligation schemes referred to in Article 7(1) or the alternative measures adopted in application of Article 7(9) in accordance with EED Annex XIV Part 1 point (e).

It is therefore possible for the first time to discuss and analyse how and whether the measures implemented by Member States have actually allowed achieving the annual energy savings requirement under Article 7 of the EED starting from 1 January 2014 (first year of compliance). Moreover, the claimed energy savings represent an opportunity to better understand how energy efficiency obligation schemes (EEOSs) and related methodologies for energy savings calculation, monitoring and verification - which were notified to comply with the reporting requirement by 5 December 2013 – have been actually designed and implemented by Member States.

In addition, reported energy savings can also allow better understanding of how the established methodologies for calculation and monitoring and verification of energy savings triggered by alternative measures under Article 7 work in practice. Moreover, it is now possible to analyse which measures and which economic sectors have generated most of the savings, and whether any deviations compared to ex-ante energy savings calculations have been observed in the amount of actually generated energy savings. It should also be possible now to better assess the cost-effectiveness of the measures implemented under Article 7. In general, the experience so far by Member States and the information and data processed in their last annual reports may allow better analysis of the challenges associated with the different measures implemented when the claimed energy savings have to be validated, monitored and verified ex-post.

This workshop will therefore be organised around the following topics that might serve to:

- Allow Member States to exchange experience on challenges faced in reporting the actual energy savings in their 2016 annual reports in accordance with EED Annex XIV Part 1 point (e);
- Gather information on major deviations and adjustments observed and encountered by Member States in relation to the measures implemented and the energy savings achieved so

- far in comparison with the measures and savings estimations notified to the European Commission to comply with EED Article 7 reporting requirements;
- Allow better understanding of how methodologies for energy savings calculation, monitoring and verification applied for EEOs and alternative measures have been actually designed and implemented;
 - Understand which economic sectors, energy efficiency measures and action types have generated most of the energy savings claimed in the annual reports 2016;
 - Discuss which measures and related energy efficiency actions have proved most cost-effective in the generation of associated energy savings and what factors have influenced the cost-effectiveness of the measures used by Member States;
 - Discuss whether and in which circumstances energy efficiency obligations schemes (EEOs) can possibly prove more cost-effective than alternative measures in generating same amounts of energy savings and vice-versa;
 - Discuss the different challenges related to EEOs and alternative measures, in particular as regards the monitoring and verification of reported savings, including how the statistically representative sample has been defined and applied;
 - Discuss the need for particular correction actions Member States consider to take in order to fulfil the 1.5% annual savings requirement in view of the national cumulative savings amount by 2020.

Possible topics to be covered by Workshop presentations

- Overview of annual energy savings achieved in 2014 as notified by the Member States (including type of measures, sectors and energy efficiency actions mostly considered);
- Observed deviations compared to ex-ante calculations of energy savings expected for 2014 and possible actions introduced/ envisaged for making sure that the notified national cumulative savings requirement is achieved by 2020;
- Cost-effectiveness of implemented EEOs and alternative measures and factors that were detrimental to it;
- Further information on calculation methodologies and M&V systems for the new EEOs notified by Member States and introduced under Article 7 (e.g. in AT, BG, ES, HR, IE, LV, LU, MT, PL, SI);
- Further information on calculation methodologies and M&V systems for alternative measures adopted for Article 7 purposes;
- Further considerations/ suggestions as regards certain measures e.g. taxation, transport systems, information campaigns, for which the impact proves to be difficult to measure.

Draft Agenda

First day: Tuesday, 15 November 2016

13:30 – 14:00 Registration & coffee

14:00 – 14:15 Introduction to the main objectives of the Workshop (Nicola Labanca – DG JRC - Energy Efficiency and Renewables Unit)

14:15 – 14:45 Overview of energy savings achieved in 2014 as notified by EU Member States in their fourth annual reports (Lelde Kiela-Vilumsone, DG ENER)

I Session: 14:45 – 16:30

Lessons learned from the measurement, verification and validation of reported savings under Art. 7 and corrective actions possibly taken

Session Chair: Nicola Labanca, DG JRC - Energy Efficiency and Renewables Unit

14:45 – 15:30 Examples under the existing EEOs (Gregor Thenius, Austrian Energy Agency)

15:30 – 16:00 Examples under the alternative measures (MS representative not identified)

16:00 – 16:30 Discussion

16:30 – 16:45 Coffee Break

II Session: 16:45 – 18:00

Assessment of cost-effectiveness of implemented EEOs and alternative measures and factors which were detrimental to it

Session Chair: Pau Salsas, Europe Economics, UK

16:45- 17:15 Examples under the existing EEOs (Tadeusz Skoczowski, Warsaw University of Technology)

17:15 – 17:30 Examples under the alternative measures (Vlasis Oikonomou, Institute for European Energy and Climate Policy, The Netherlands)

17:30 – 18:00 Discussion and preliminary conclusions

Second day: Wednesday, 16 November 2016

9:00 – 9:15 Introduction to the second day of the Workshop (Nicola Labanca, DG JRC Energy Efficiency and Renewables Unit)

I Session: 9:15- 12:45

Energy savings achieved under EEOs for the purpose of Article 7

Session Chair: Vlasia Oikonomou, Institute for European Energy and Climate Policy, The Netherlands

To be discussed: factors that influenced selection of the policy mix implemented under Article 7; choice for the EEOs instead of alternative measures; which alternative policy measures work together with an EEOs; overall performance of the EEOs – in terms of the implementation and administration in general; whether the savings were achieved as expected; how the measurement and verification worked, including the use of a representative sample; possible adjustments or corrective action needed/ taken etc.

9:15 – 9:45 EEOs in Italy (Alberto Jr. Pela, Gestore dei Servizi Energetici SpA – GSE)

9:45 – 10:15 EEOs in France (Marie Pausader, Ministry of Energy, Environment and the Sea)

10:15 – 10:45 EEOs in Denmark (Peter Bach, Danish Energy Agency)

10:45-11:00 *Coffee Break*

11:00 – 11:30 EEOs in Ireland (Kenneth Cleary, Department of Communications, Climate Action & Environment)

11:30 – 12:00 EEOs in Bulgaria (Tsvetomira Kulevska, SEDA)

12:00-12:45 Discussion

12:45 – 13:45 Lunch

II Session: 13:45-17:30

Energy savings achieved under alternative measures

Session Chair: Lelde Kiela-Vilumsone, DG ENER

To be discussed: factors influencing selection of the alternative measures presented by Member State; results of the performance (implementation in general, savings achieved, etc.); how the measurement and verification worked, including the use of a representative sample; possible adjustments or corrective action needed / taken, or need for introducing additional measures etc.

13:45 – 14:10 Financing schemes and other incentives for buildings retrofits (Vladimir Sochor, Ministry of Industry and Trade of the Czech Republic)

14:10 – 14:35 Alternative measures in buildings and transport (Alan Bezzina, The Energy & Water Agency - Malta)

14: 35 – 15:00 Energy efficiency national funds (Tadeja Kovačič, Eco Fund, Slovenia)

15:00-15:30 Discussion

15:30 – 15:45 Coffee Break

15:45 – 16:15 Alternative measures in the industry sector (Antonius J.J. Bolder, Netherlands Enterprise Agency)

16:15 – 16:45 Energy taxes (Rurik Holmberg, Swedish Energy Agency)

16:45 – 17:30 Final discussion and conclusion