EMEP guidebook update for small combustion plant – Guidebook chapter 1 A 4
TFEIP Meeting, JRC Regione Lombardia, Milan
11th May 2015
Introduction to today’s presentation

- Introduction to guidebook chapter
- What’s covered by chapter 1A4
- Tiered approach and levels of data available
- Our approach to guidebook update and TFEIP participation
- Initial thoughts on areas identified for update
- Discussion and Questions
Chapter 1 A 4 Small combustion:

- **Residential appliances**
  - Domestic Boilers
  - Ovens
  - Fire places
  - Domestic outdoor heating

- **Non Residential appliances**
  - Turbines
  - Engines

- **Auto-generators** are excluded from Chapter 1 A 4 as they appear in a different guidebook chapter.
Tiered approach to inventory compilation for small combustion plant

- **Tier 1** – Most Basic requirements
  - Total fuel use by fuel type

- **Tier 2** – More advanced data requirements
  - Disaggregation by technology types for Domestic and non-domestic appliances

- **Tier 3** – most advanced data requirements
  - Further disaggregation based on age of fleet
Approach to guidebook update and timescales

Key approaches to update of the existing guidebook:

- Review of available activity data to aid move from Tier 1 to Tier 2 approaches
- Review available emission factor data to update Tier 2 and Tier 3.
- Involvement of the TFEIP to help shape and input to the update:
  - Project inception and kick-off February 2015
  - Initial review and thoughts (presented later) – March – April 2015
  - Seek TFEIP members involvement May – 6th June 2015
  - Development of GB chapters for consultation - Nov/Dec 2015
  - Final updated chapter presented at next TFEIP – May 2016
Our Initial Thoughts have focussed on four key areas:

- **Further disaggregation of the Non-residential appliances into those that range from >20MWth – 50MWth and those that are <20MWth.**
  - Reasoning behind this is the further advancement of EU policy on disaggregation of energy splits, as well as highlighted differences in levels of abatement between larger size versus smaller size.

- **Further identification and development on section relating to available activity data,**
  - We believe that there is EU level that data that can be used to typify equipment to tier 2 level. The ratio between equipment types could be applied to non-EU total data quantities.
Initial thoughts – part 2

• Further review and clarification over technology descriptions used within the guidebook.
  • Greater clarity of specific technology types would aid further application of the factors quoted.

• Review of data gaps within the guidebook due to evoluation of the sector e.g. biomass technologies, non-residential cooking
  • Gap filling will improve the overall completeness of the guidebook for technologies not currently covered.
THANK YOU FOR YOUR ATTENTION

QUESTIONS

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