Requirements for energy audits and energy management systems according to Directive 2012/27/EU
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Mandatory energy audits

• Mandatory/regular energy audits for large enterprises – one of the requirements of Directive on EE (2012/27/EU)

• Purpose - energy savings can be significant

• A large enterprise (Commission Recommendation 2003/361/EC of 6 May 2003):
  – employs > 250 persons and
  – has an annual turnover > 50 mil EUR, and/or an annual balance sheet total > 43 mil EUR

• Energy audits for SME – not mandatory (promote only)
Exemption

• Large enterprises implementing energy or environmental management system
• Certified by an independent body according to the relevant European or International Standards
• Management system includes an energy audit on the basis of the minimum criteria based on Annex VI.
Methodology for Energy Audits

• Relevant EU or International Standards, i.e.
  – EN ISO 50001 (Energy Management Systems), or
  – EN 16247-1 (Energy Audits)

• Annex VI. Minimum criteria for energy audits, i.e.
  – up-to-date, measured data on energy;
  – life-cycle cost analysis (LCCA) not Simple Payback Periods (SPP);
  – Identify the most significant opportunities.

• A specific European standard on energy audits is currently under development.
Timeframe for EU MS

• **June 5, 2014** – MS should introduce mandatory audits

• **December 5, 2015** – deadline for conducting mandatory energy audits, incl.:
  – carried out in an independent and cost-effective manner;
  – by qualified and/or accredited experts

**After that at least every 4 years**
Benefits for the country

• Reduction of energy consumption
• Reduction of energy dependency
• Improved competitiveness of local products
• Additional investments in EE measures
• Creation of Jobs
• Reduction of impact on environment
• Fulfilment of EE targets

The owners are very often not familiar with the EE technologies that can enhance their competitiveness
THANK YOU

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