District energy approach in the revised Energy Performance of Buildings Directive

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Revised Energy Performance of Buildings Directive (EPBD) - summary

- Long-term renovation strategies – decarbonised building stock by 2050
- **Equal-treatment clause of renewable energy on-site/offsite**
- Inspection of heating systems – not only boilers
- Inspection of air-conditioning systems
- Technical building systems - Building automation
- Smart readiness indicators (SRI) – voluntary
- Electromobility
- *National implementation deadline by 10 March 2020*
So what’s in it for us?

• Equal treatment of renewable energy in building codes => more district energy approach

• Member States shall describe their national calculation methodology in relation to the overarching EPB standards

• Member States may choose primary energy or weighting factors

• Exemptions from inspection requirements for energy performance contracting, or installations that are operated by a utility or network operator

• High-efficiency alternatives (DHC, cogeneration etc.) should be considered for new and existing buildings undergoing major renovation
Smart readiness indicator – what is it?

• Voluntary - up to Member States how to use
• Informative tool – awareness-raising about smart technologies and ICT in buildings
• First study categorised about 100 services and sub-services in 10 domains including Heating and Cooling.
• The second technical study on a smart readiness indicator was launched in March 2019 by a consortium led by VITO.
• EU Commission plans to adopt two delegated acts:
  - SRI methodology
  - Technical modalities
What are the challenges in national implementation? – Status report from Sweden

- System boundaries in building codes tricky issue
- Weighting factors opens-up for arbitrary values and relations between different heating sources
- ”Gold-plating” of inspection requirements and not making use of flexibility
- Complexity in interpretation of Directive, implementing regulation and guidelines all together

⇒ EPBD-implementation and in particular choose of system boundary in building codes part of five-party energy policy negotiations
⇒ Political conclusions expected to be presented before summer break
Thank you!
You are welcome to contact me.

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