Energy Efficiency Directive

Customer Empowerment?

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» Implementation period: 25th June 2020 / 25th October 2020

» Sets a 2030 target of 32.5 %
  » primary energy consumption
  » EED 2012: 20 %

» National annual savings of 0.8 %
  » final energy consumption
  » EED 2012: 1.5 % of annual energy sales to final customers

» Energy efficiency obligation schemes and alternative measures

» Savings achieved in the energy transformation, distribution and transmission sectors, including efficient DHC, may be considered

"He says he'll only talk if you can assure him that those are energy efficient bulbs"
» Art. 9a – 11a EED
  » Heat metering
  » Billing
  » Information

Customer Empowerment?


District Heating

final customers

final user
» Art. 9a and 9b EED

» Building-related metering
  » final customers
  » a meter shall be installed at the heat exchanger or point of delivery

» Sub-metering
  » for each building unit
  » individual meters
    » technical feasibility or cost-efficiency in terms of being proportionate in relation to the potential energy savings
  » individual heat cost allocators (HCA)
  » alternative cost-efficient methods of heat consumption measurement

» In new multi-apartment buildings: individual meters for domestic hot water
» Art. 9c EED

Source: https://www.iot-water.cz/en/
Art. 10a EED

Where metering devices are installed, billing and consumption information is reliable, accurate and based on actual consumption or HCA readings for all final users.

Transparent and publicly available national rules on the allocation of the consumption cost.

Minimum frequency (final user):
- at least once per year
- where remotely readable devices have been installed:
  - from 25 October 2020, billing or consumption information provided twice a year
    - upon request or where final customers have opted to receive electronic billing, at least quarterly
  - from 1 January 2022 at least monthly
- Heating/cooling may be exempted outside the heating/cooling seasons
Annex VIIa EED

Information provided to final users
Building-related metering: § 18 Ordinance on General Conditions for the Supply of Heat (AVBFernwärmeV)
- Measurement by heat meters (+)
- Not specified where the meters are installed, usually house substation
- Exceptions provided (-)

Sub-metering: § 5 Ordinance on Heat Cost Allocation (HeizkostenV)
- Measurement by individual meters or HCA (+)

Drinking water: § 5 Ordinance on Heat Cost Allocation
- Hot water meters or other suitable equipment

National rules on the heat costs allocation: Ordinance on Heat Cost Allocation (HeizkostenV) (+)

Remotely readable devices (-)

Frequency of billing:
- § 24 Ordinance on General Conditions for the Supply of Heat, at least once per year (+)
- Ordinance on Heat Cost Allocation (+)
- Remotely readable devices (-)

Information: several questions
my best choice
district heating ...
because it´s clean and helps,
to save CO₂ for a better environment.

www.smart-heat-grid.de