



Cooling in the energy market regulation

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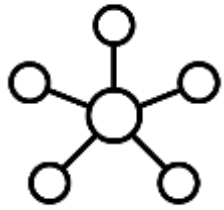
Why do we regulate the energy markets?

- Regulatory intervention is needed when it can solve market failures
 - Fair allocation of the risks, burden and benefits between the market participants
 - Ensuring access to modern energy services
 - Environmental considerations
- Do we have market failures in the cooling market?

Addressing the cooling in EU legal acts on energy

- Energy Efficiency Directive
- Renewable Energy Directive
- Energy Performance of Buildings Directive
- Ecodesign and Energy Labelling for the energy using products
- Environmental requirements

Heating and cooling assessment and planning



Regular comprehensive assessments within NECPs: identify potential for application of high-efficiency cogeneration and efficient district heating and cooling

Art. 25



Obligation for the Member States to ensure preparation of local heating and cooling plans in all large municipalities

Definition of efficient district heating and cooling

until 2027 Current definition: at least 50% RES, 50% waste heat, 75% cogenerated heat or combined supply from those sources is at least 50%

from 2028 at least 50% RES, 50% waste heat, 80% of heat from HE CHP or or a system, where 50% of the heat comes from RES, HE CHP and waste heat and minimum share of RES/WH is 5%)

from 2035 at least 50% RES and/or waste heat or a system, where 80% of the heat comes from RES, HE CHP and waste heat and the share of RES and/or waste heat is at least 35%)

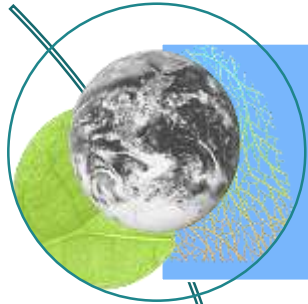
from 2040 at least 75% RES and/or waste heat or a system, where 75% of the heat comes from RES, HE CHP and waste heat and the share of RES and/or waste heat is at least 35%)

from 2045 at least 75% RES and/or waste heat

from 2050 all the heat originates from RES and/or waste heat

Art. 26

Energy efficiency in heating and cooling



Any new or substantially refurbished system needs to meet criteria for efficient district heating and cooling when it starts or continues its operation after the refurbishment



From 2025, plans for all the district heating and cooling systems above 5 MW to be converted into efficient district heating and cooling systems



Cost-benefit analyses for data centres above 1 MW and lower minimum threshold for other installations (lower thresholds instead of 20 MW)



Thank you!

Website:



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