



EED Article 26 recommendation 2024/2395 on waste heat

CA EED Working Group 6.3: Waste heat utilisation in DHC - Art. 26
transposition and industrial applications

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EED measures to promote waste heat use

- Comprehensive heating and cooling assessments [Article 25(1)]
 - Local heating and cooling plans [Article 25(6)]
 - Definition of Efficient District Heating and Cooling [Article 26(1)]
 - Cost-Benefit Analyses [Article 26(7)]
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- Waste heat is not defined in EED, but refers to RED definition (Recital 105)

EED Article 26 Recommendation

- **Chapter 2:** background on legal and policy context, table on deadlines for implementation of the requirements
- **Chapter 3:** explanation of the individual requirements in the Article
- **Chapter 4:** reporting requirements

EED Article 26 Recommendation: Chapter 3

- **Section 3.1:** criteria for EDHC in paragraphs 1 and 2
 - Establishes nomenclature of heat flows in DHC networks
 - For default EDHC criteria, 3-steps methodology in **Appendix A**: collecting data on energy inputs to DHC should include data on waste heat and the share of waste heat injected into the network
 - For alternative EDHC criteria, 5-steps methodology in **Appendix B**: collecting data on energy inputs, emission factors for energy carriers and calculation of specific emissions (gCO₂ per kWh delivered)
 - **Emission factor for waste heat = 0**

EED Article 26 Recommendation: Chapter 3

- **Section 3.3:** obligation to prepare DHC conversion plans in paragraph 5
 - Provides the recommended list of sections in DHC conversion plans
 - Should include an analysis on the potential of renewable energy sources and waste heat to cover current and future heat demand

EED Article 26 Recommendation: Chapter 3

- **Section 3.4:** ensuring efficient use of waste heat from data centres in paragraph 6
 - Applies to all data centres in operation, where there isn't utilisation of waste heat or other waste heat recovery applications
 - CBA shall be prepared according to methodology in Article 26(7)

EED Article 26 Recommendation: Chapter 3

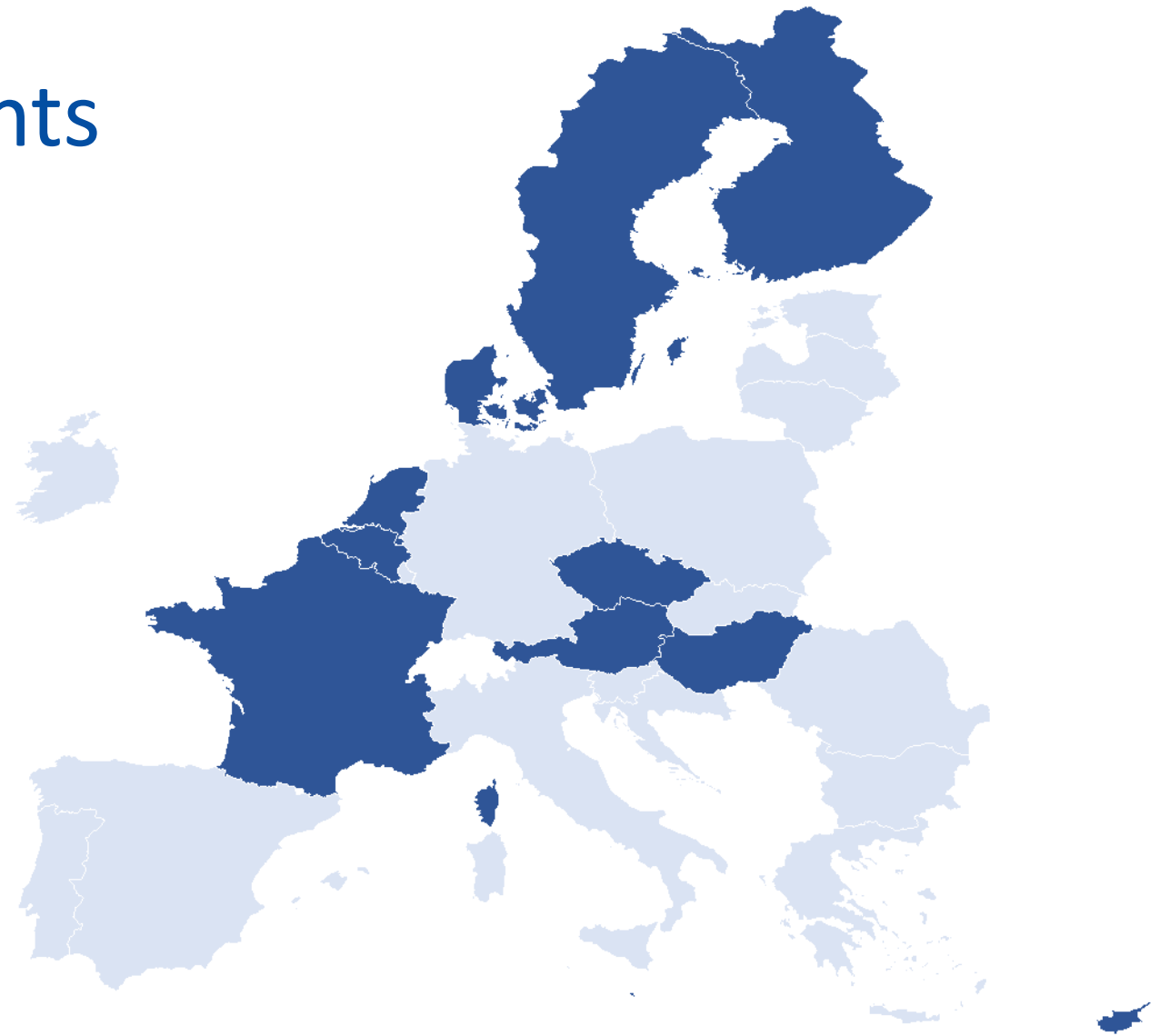
- **Section 3.5:** installation-level cost-benefit analysis for new or substantially refurbished facilities in paragraphs 7 and 8
 - Clarifies the meaning of average annual total energy input and methods to determine it for various installations
 - **Appendix G** describes recommended five-step approach to perform installation-level CBA.
 - In its Step 2, identification of waste heat potential, analysis if the waste heat can be used on-site or off-site finding out linked costs and revenues for alternatives

Questions on waste heat received after adoption of Article 26 guidance document

- **Q:** Is the heat supplied to district heating from waste incineration plant a waste heat?
- **A:** Heat from waste incineration can be counted as waste heat provided that
 - four cumulative criteria for it are met, namely: (1) it is unavoidable, (2) it is by-product, (3) generation of waste heat takes place in industrial or power generation installations, or in the tertiary sector and (4) it would be dissipated unused without access to a district heating system
 - when the primary aim of an economic activity involving waste incineration is not heat generation, heat originating from this activity fulfils the by-product criterion for waste heat

Comprehensive assessments

- Number of updated NECPs (2024) received: **22**
- Number of Comprehensive Assessments (2024) notified: **11**
- In CA's due by 2020, **13** MS presented their information on waste heat potential
- 8 of them considered only industrial waste heat



Thank you!



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