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Energiforsk

- The Swedish Energy Research Centre
- An industrially owned body dedicated to meet the common energy challenges faced by industries, authorities and society.
- We are impartially working for the benefit of future energy systems
- Our vision is to be hub of Swedish energy research and our mission is to make the world of energy smarter!





Energy use for heating and hot water production 2017





Swedish Energy Agency 2019 "Energiläget i siffror 2019"



Energy consumption for heating and hot water in

Energy mix

Swedish Energy Agency 2019 "Energiläget i siffror 2019"

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Market shares and CO₂e emissions



Werner, Sven. 2017 District heating and cooling in Sweden

Naturvårdsverket 2018

https://www.naturvardsverket.se/Sa-mar-miljon/Statistik-A-O/Vaxthusgaserutslapp-fran-uppvarmning-av-bostader-och-lokaler/

Transformation of the district heating energy mix Energy supplied for district heating production since 1970



Di Lucia, Lorenzo; Ericsson, Karin 2014 Low-carbon district heating in Sweden – Examining a successful energy transition Swedish Energy Agency 2019 Energiläget I siffror 2019



Future

By 2045, Sweden will have no net emissions of greenhouse gases into the atmosphere

Swedish Government

The heating sector will be fossil-fuel-free in 2030. By 2045, the sector will be a carbon sink, which will help reduce total Swedish greenhouse gas emissions. Collaboration is an important means of achieving the transition.

Fossil Free Sweden. Roadmap: The Heating Sector





FutureHeat

The long-term goal of the research is to contribute to the vision of a sustainable heating system.

A system of successful companies that utilize new technological opportunities and where the investments made in district energy are utilized in the best way. Solutions that are cost-effective and adapted to today's and tomorrow's systems will be a priority area in research



