

Towards 100% green District Heating in Høje-Taastrup Municipality

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About us



1963: District heating started

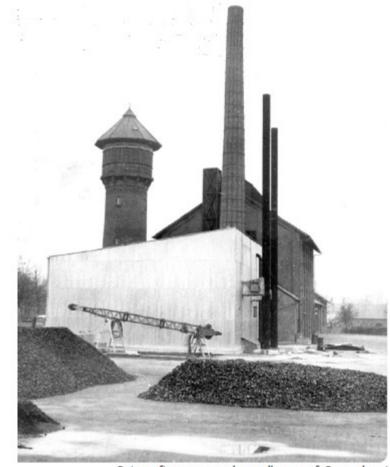
(70 consumers and a coal plant)

1984: VEKS established

2011: Only one district heating company

in the Municipality





Det nye fjernvarmeværk grundlægges på Gasværksvej.





About us



Our vision:

We provide sustainable, secure and cheap district heating and cooling

Heat sale: 1,100 TJ/year

Revenues: 200 million DKK/year

Consumers (heated buildings): 7,700

Employees: 20

- 70% of the heat demand in our Municipality is district heating (2021)
- + Plans to include all present gas and oil consumers

Our district heating is 85% CO2-neutral







We are a part of the large district heating system in Greater Copenhagen

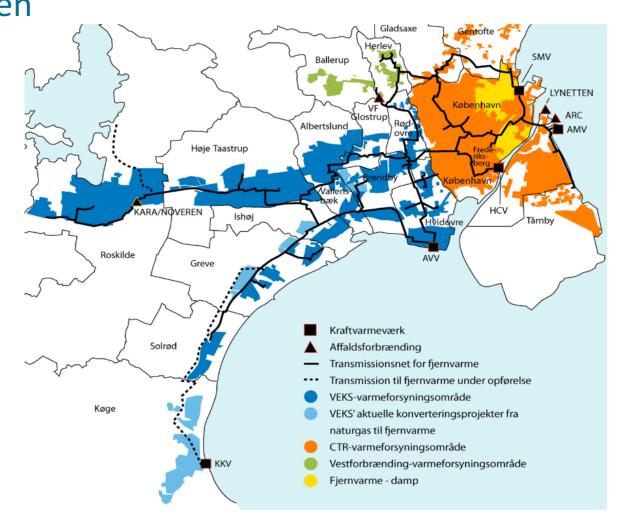


We buy heat from VEKS (the transmission company):

- Combined heat and power from sustainable biomass (60%)
- Waste incineration (30%)

We own local production:

Local large heat pumps and solar (10%)







District heating important for the green transition

- Utilize central production from the transmission system
- Utilize local heat sources
- Sector coupling
- Heat storage
- ➤ Lower temperature => 55/30°C





Høje Taastrup District Heating and VEKS establish 70.000 m³ heat storage



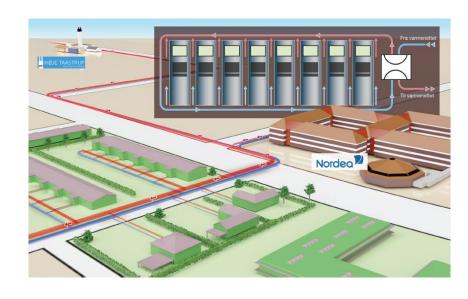


Surplus heat from datacenters

Large heat pumps using surplus heat:

- from Nordea's data center from 2020
- from Global Connect data center from 2023
- more large data centers will come in Høje Taastrup (50 MW)













District cooling to business – Cph. Markets

4 large heat pumps in operation combined production of district heating and cooling

















Large heat pump use the rising groundwater in the area

- produce 1.5 MW heat
- the residents get less water in their basements
- colder water back in the creek













HØJE TAASTRUP

Size: 3000 m²

Capacity: 1200-1500 MWh

No storage but directly into the district heating system





