

Climate and Energy strategy for Høje-Taastrup Municipality

Marie-Louise Lemgart, Chief Energy and Climate Advisor
Høje-Taastrup Municipality



The project has received funding from the European Union's Horizon 2020 research and innovation programme under the grant agreement n° 767799 - COOL DH - H2020-EE-2016-2017/H2020-EE-2017-RIA-IA

A part of Greater Copenhagen area - an infrastructural HUB

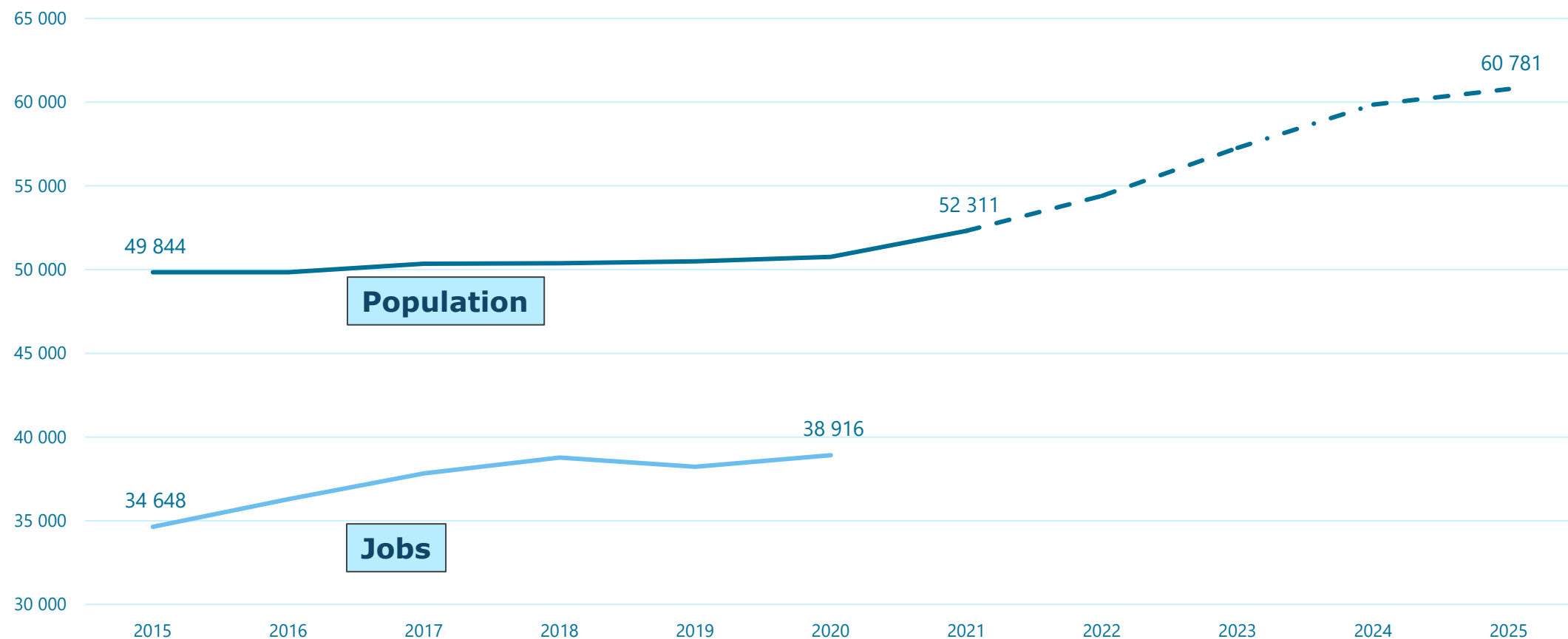


Høje-Taastrup Municipality

- 52.000 inhabitants
- 38.000 jobs, more than 10.000 new jobs the last 10 years
- 78 km² (incl. 52 km² rural areas)
- 3 towns with train stations
- 14 original villages
- 20 km West of Copenhagen
- First Climate Plan, adopted in 2009



Population and jobs development



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Political Statements

National:

- 70% CO₂-reduction in 2030.
- The Danish Parliament has adopted a Climate agreement for energy and industry.

The Capital region:

- Fossil-free energy supply in 2035, at the latest.

Local:

- Høje-Taastrup Municipality has adopted the Climate Plan 2030.
- Specific goals and efforts for specific sectors.
- Net-Zero CO₂-emissions from electricity and heat supply in 2030.





Høje-Taastrup
Kommune

"Climate Plan 2030"

Developed under the C40-
framework

Adopted by the City Council in
March 2021



2030 GOAL: 50% CO₂-REDUCTION

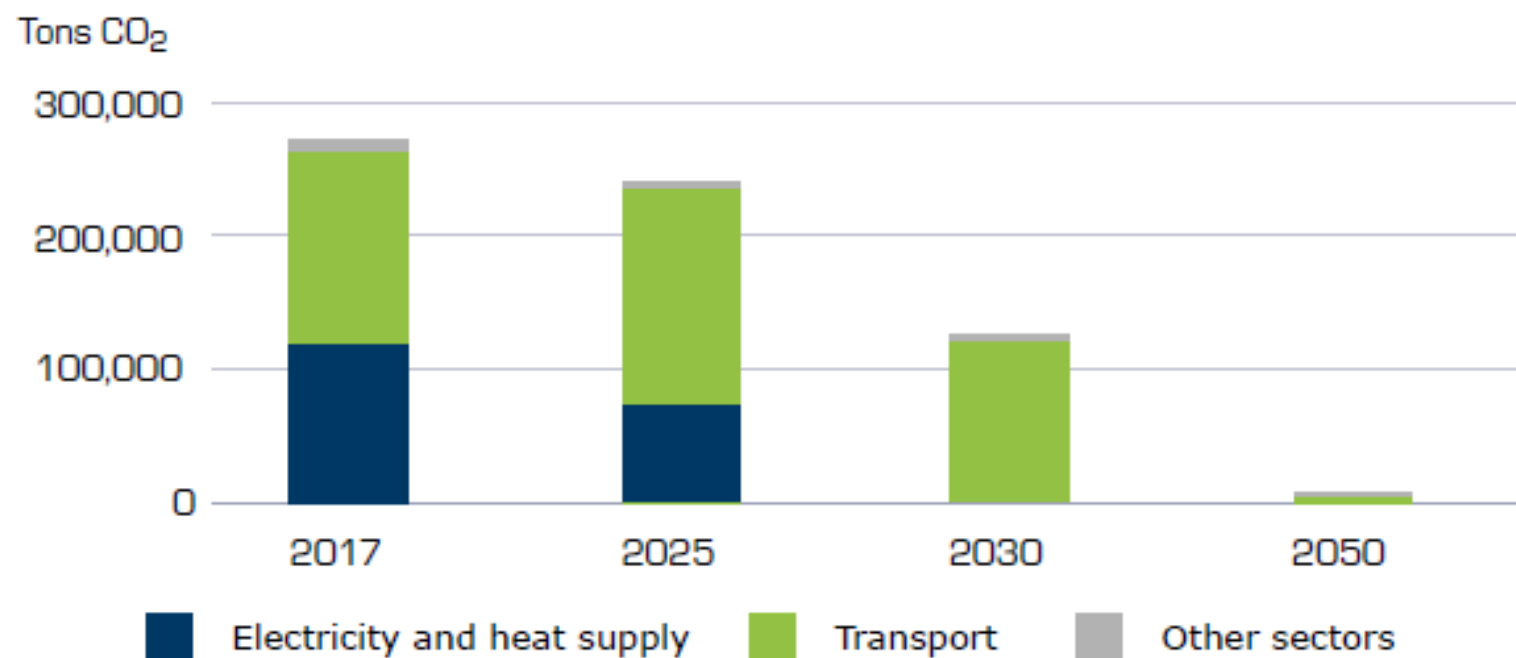
2050 GOAL: NET ZERO



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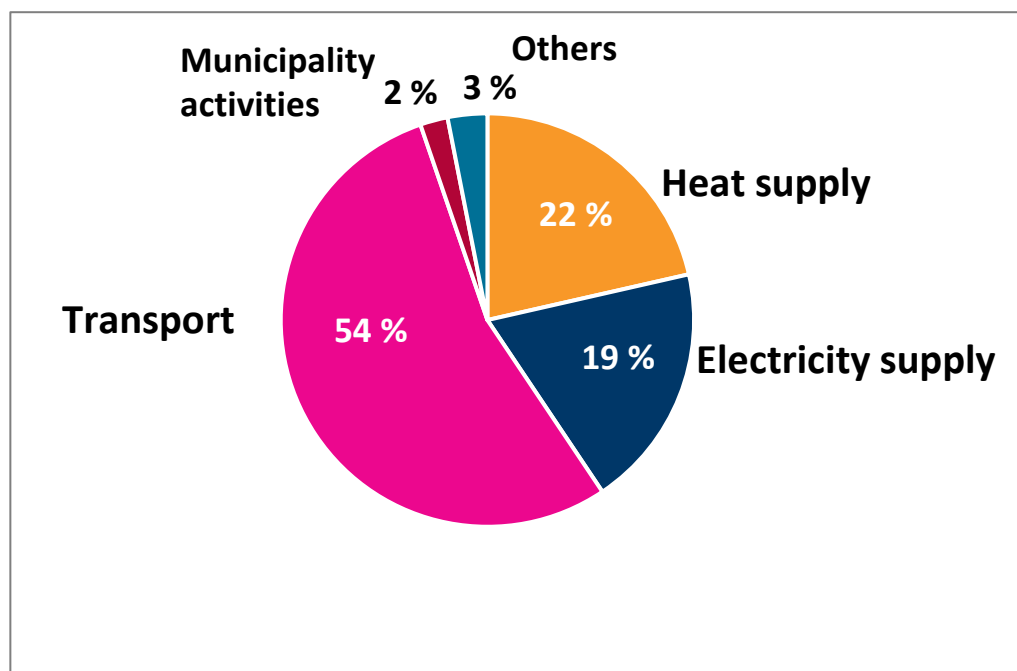
COOLDH
COOL DISTRICT HEATING

Net zero scenario in Høje-Taastrup Municipality



Climate Plan 2030

CO₂-emissions from sectors (2017)



Themes



An Action Plan with 50 initiatives



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Energy efficiency initiatives



Advice and guidance
for home owners



Intelligent metering, low
temp. DH, network with
housing associations



City development with
energy efficient buildings



Energy renovation, low
temp. DH, intelligent
metering and flexible
energy consumption in
municipal buildings

Goal 2030: Increase energy efficiency with 1 % per year in existing buildings



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Renewable electricity production



PV installations on roofs
In 2021 about 0,5 MW installed



Solar PV installations on the
ground.
30-50 MW are being planned



PV installations on
municipal buildings

Goal 2030: 120 MW installed PV



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Green transition of the transport



Prioritise the cyclists



2022: 50% of the
municipal car fleet is
electrified



Electrification of the
public transport



Installation of
charging
infrastructure

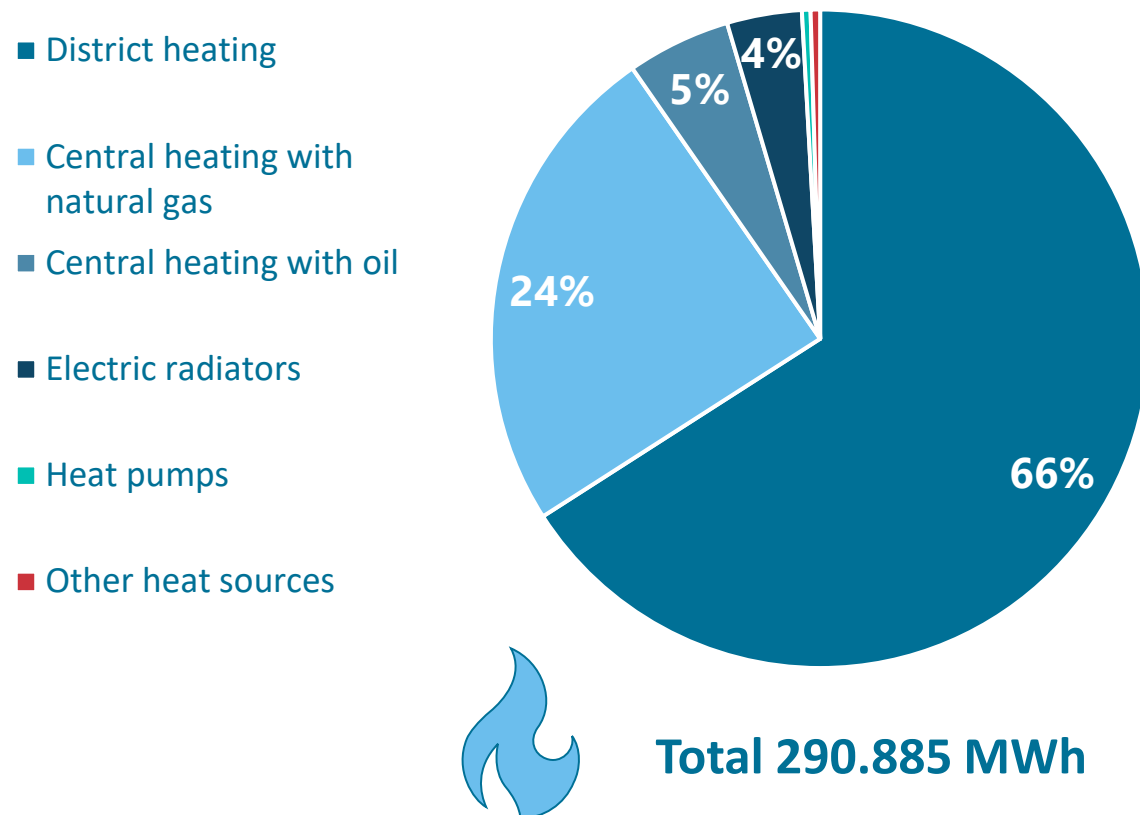
Goal 2030: 100 % of the municipal car fleet and 30% of all passenger cars are electrified



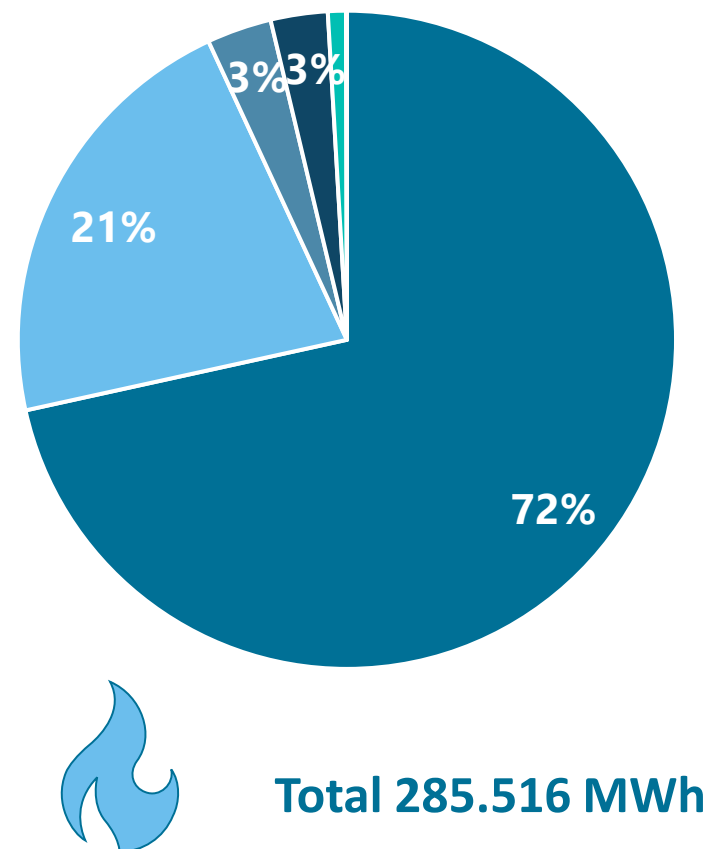
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Green transition of the heating sector

Heat consumption in the municipality 2017

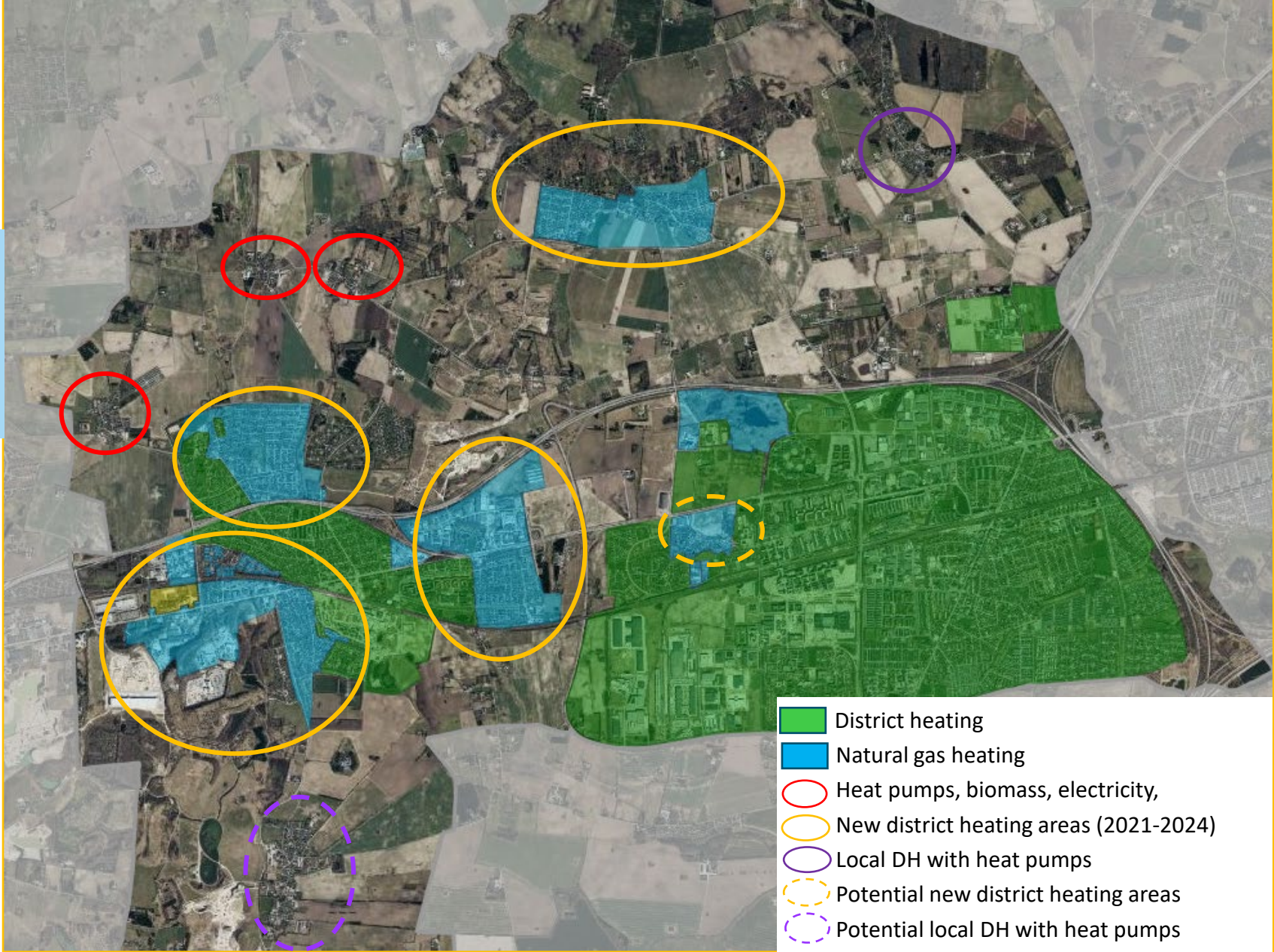


Heat consumption in the municipality 2021



Heat supply Goal in 2030:

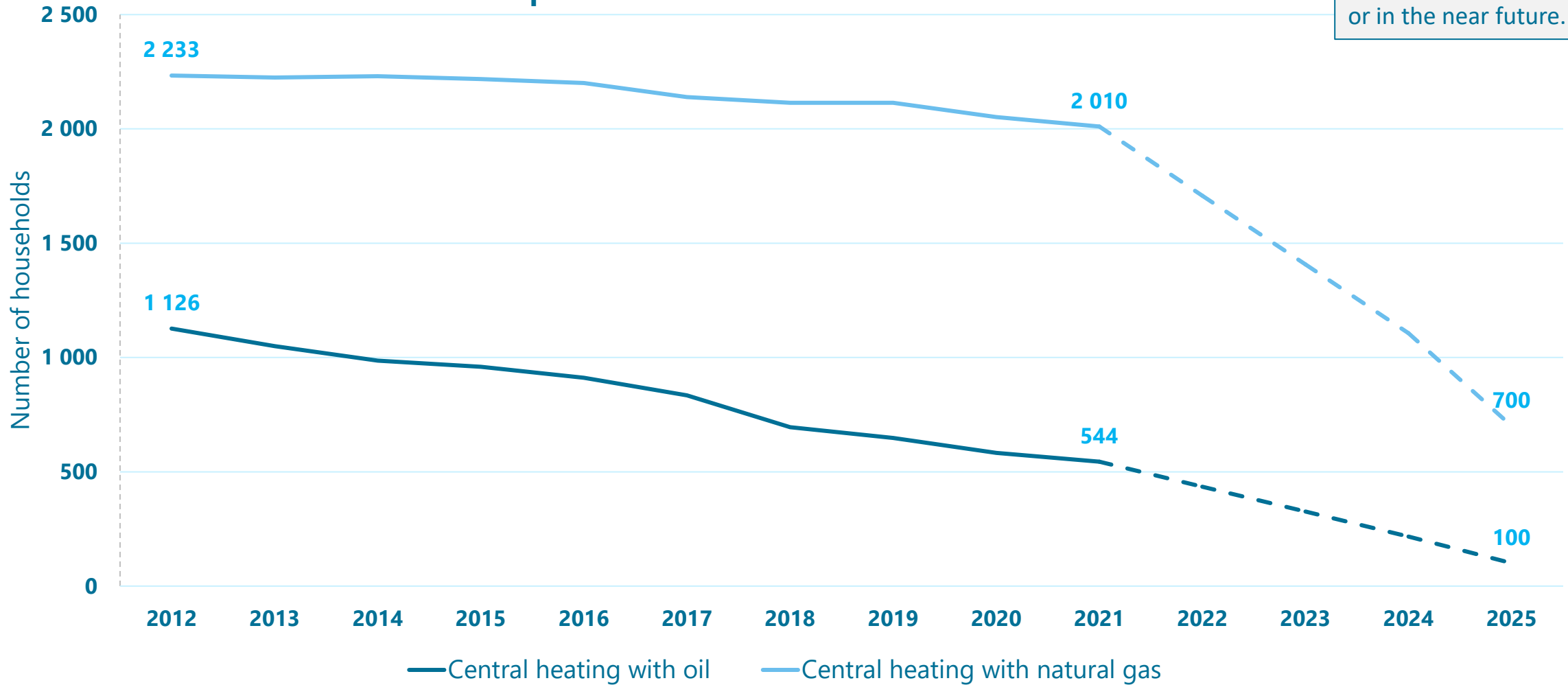
- Fossil free heating,
(no oil or natural
gas boilers for
heating)



April 2022

22.641 hh in total
18.527 hh with DH,
3.200 hh can get DH today
or in the near future.

Development Number of households with fossil installation



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Thank you for your attention

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