

CLIMATE CAPITAL COPENHAGEN



Hans Chr. Karsten
Head, Urban Environment Office
City of Copenhagen

**COPENHAGEN
TOGETHER**

CITY OF COPENHAGEN
The Technical and
Environmental Administration

Copenhagen
Carbon Neutral
by 2025

Copenhagen Climate Plan

The short version



A METROPOLIS FOR PEOPLE

► VISIONS AND GOALS FOR URBAN LIFE IN
COPENHAGEN 2015

► ADOPTED BY THE CITY COUNCIL



Copenhagen Climate Plan:

We will reduce CO₂ emissions by 20% between 2005 and 2015

Our vision is to be the first carbon neutral capital by 2025





Green Mobility



New investments in public transport

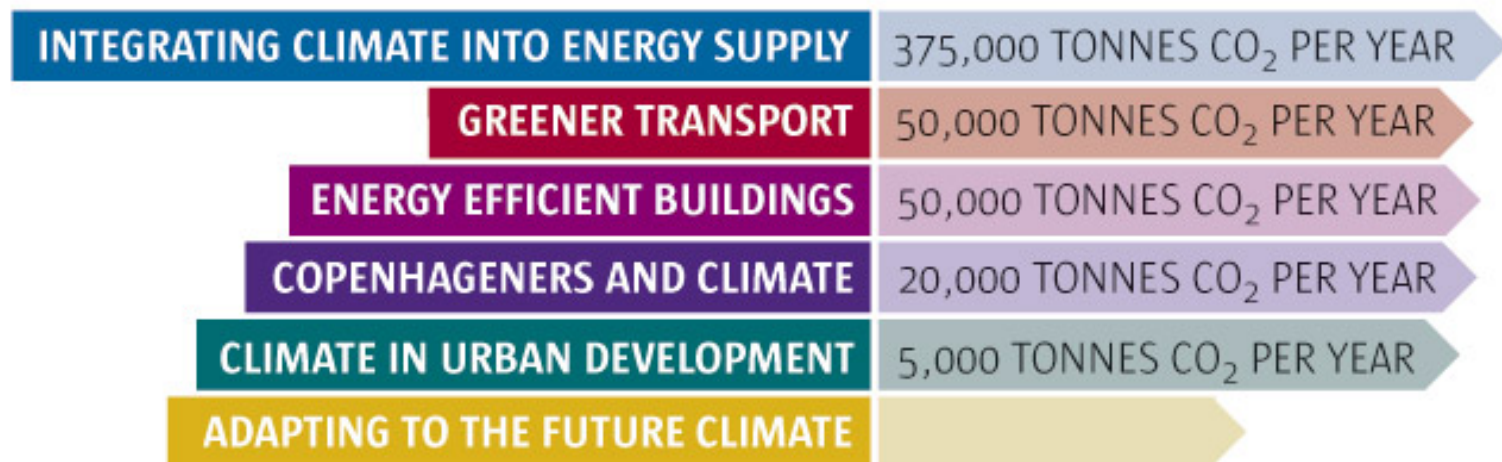


making the city greener

Urban renewal - retrofitting the houses and the district



Fifty initiatives on climate



COPENHAGEN IS MAKING PROGRESS

- From 1995 to 2005 Copenhagen's CO₂- emissions were reduced by 20%
- The average emission of CO₂ is annually
 - 4.57 tons per Dane
 - 3.16 tons per Copenhagener



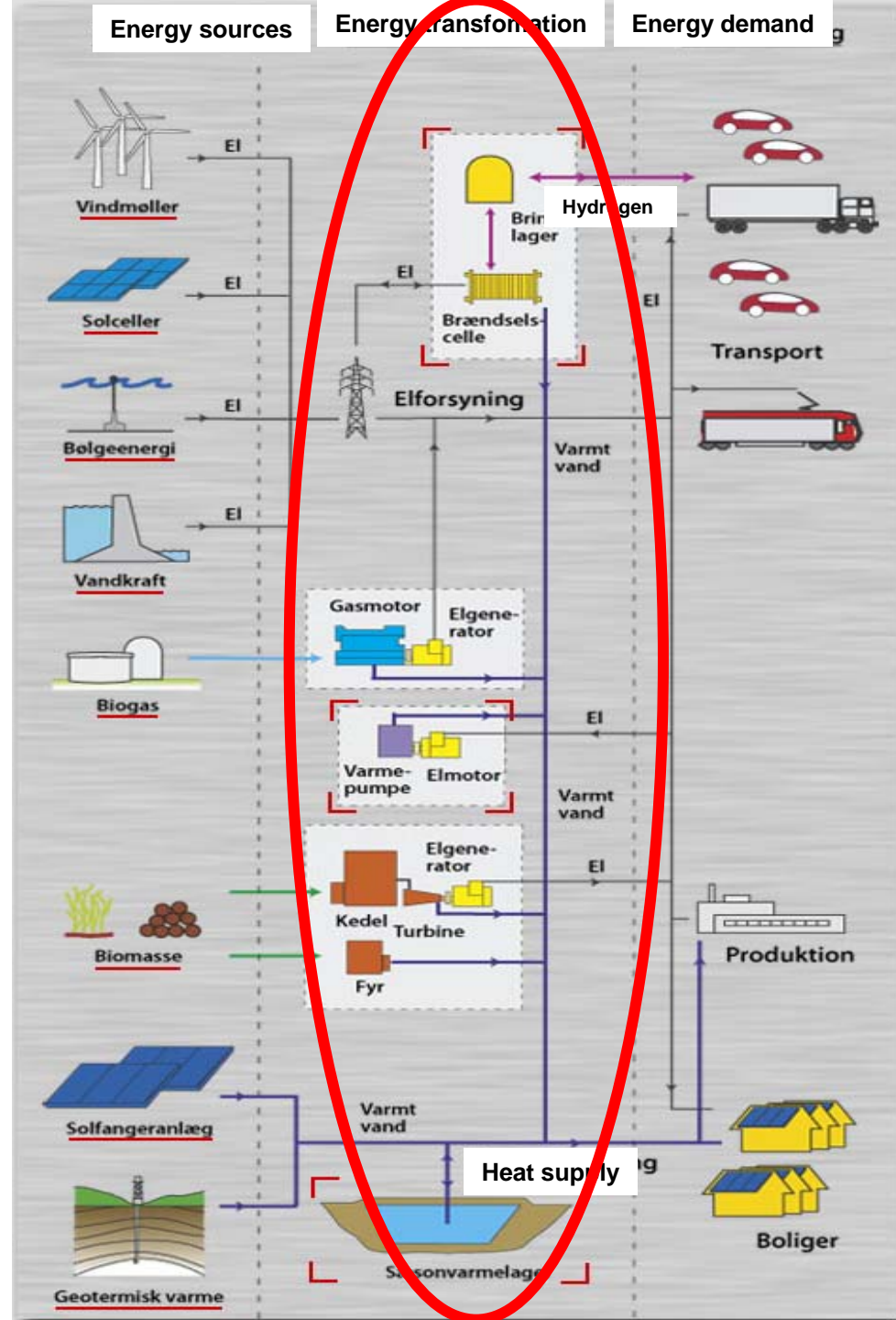
www.kk.dk/greenaccounts

A flexible energy system

is required because of increase of wind and solar power.

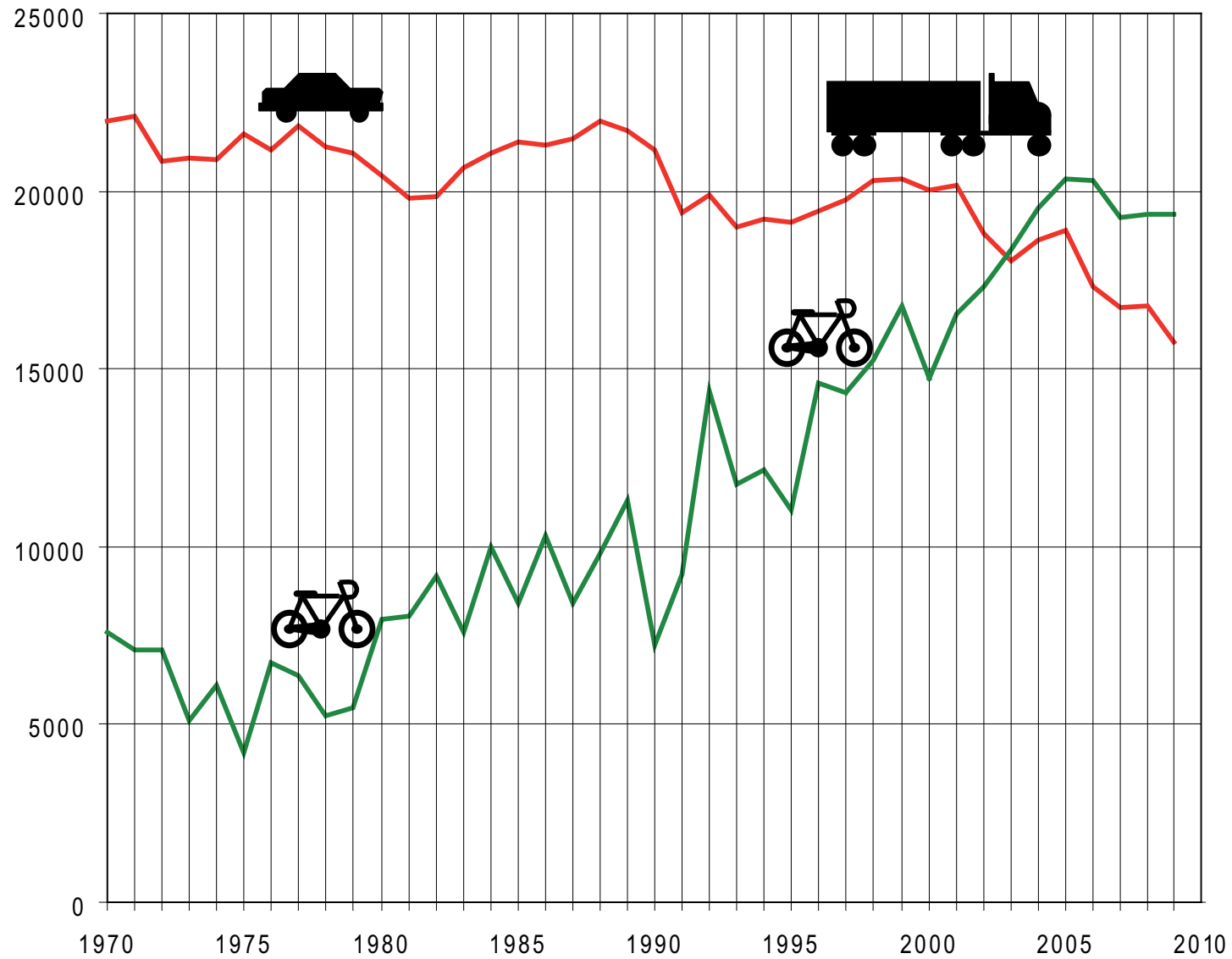
Possible solutions:

- Electricity storage as hydrogen or in form of batteries
- Collection of heat due to conversion loss
- Transformation of power into heat through heat pumps
- Storage of fuel eg. waste and biomass
- Seasonal storage of heat
- Intelligent management of electricity demand



**30-40% more car traffic in 2025
- if nothing is done**

Peak hour traffic - inner city







improving safety

PUBLIC TRANSPORT – More metro

**YELLOW LINE:
SUBURBAN TRAINS**

**THE BLUE LINE
OPENED 2006**

**RED LINE:
THE METRO OPENED
IN 2002-07**

**GREEN LINE:
THE NEW METRO RING**









Urban life benefit from climate plan activities