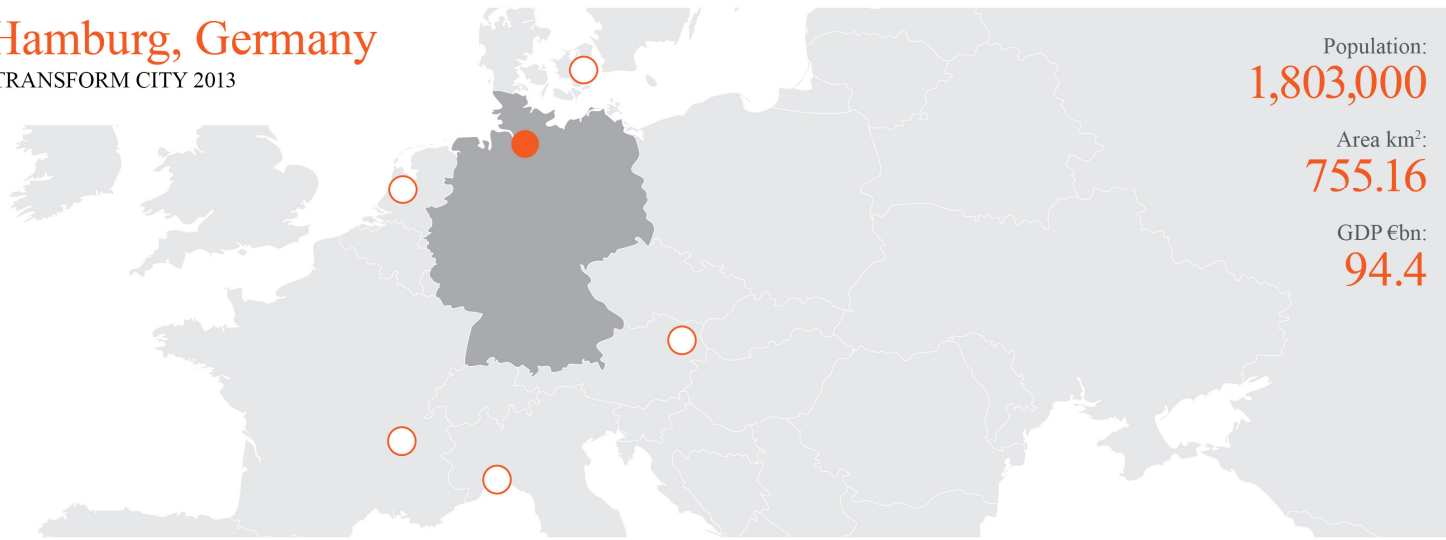


Hamburg, Germany

TRANSFORM CITY 2013



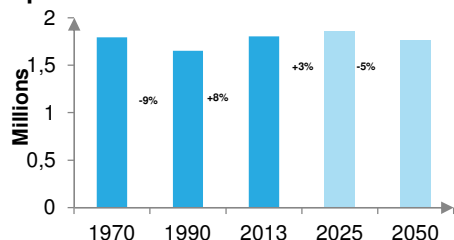
Population:
1,803,000

Area km²:
755.16

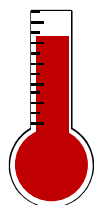
GDP €bn:
94.4

KEY FACTS

Population 1.8m



Temperature range



Max 37.7°C
733 mm average rainfall per year

Min -29.1°C
8.7 °C average temperature

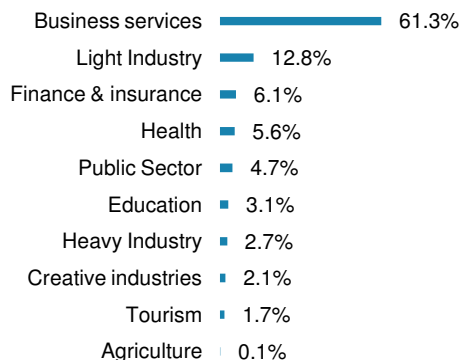
Climate

City budget

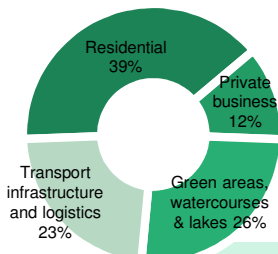
€ 6,159 per capita
€ 52,400 GDP per capita

Economy

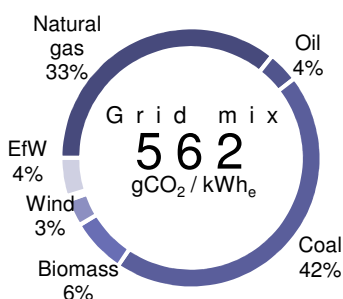
€ 94 billion GDP



City land use



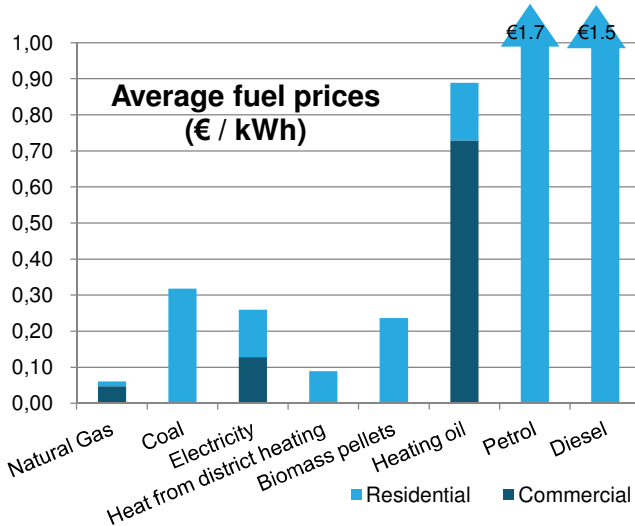
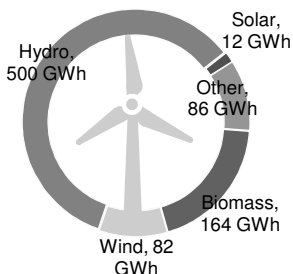
ENERGY



Hamburg has established a city-owned energy supplier- Hamburg Energie. This organisation, in cooperation with the city, tackles the challenges of furthering energy efficiency measures, low carbon heating, energy storage and virtual power plants.

The city authority currently owns just over 25% of the cities energy networks. In September 2013 a referendum will be held on the municipalisation of all Hamburg's of gas and power grids.

Primary energy consumption of Hamburg
69,744 GWh / yr (2010)
with **2.5%** of total energy demand covered by renewable energy production

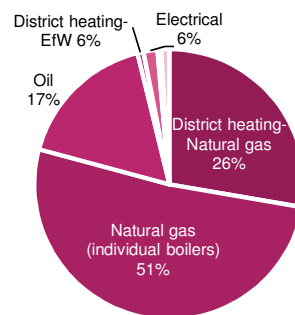


74 km²

of port spaces

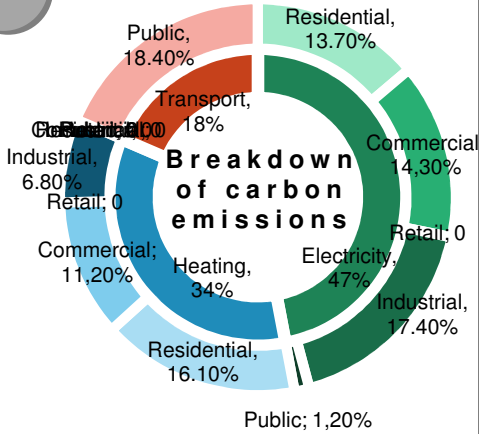
Hamburg Port

- Generates €50,000 per capita
- 11,000 ships per year
- 1,800 employees
- 220 trains per day



Heat supply

Total city-wide emissions
11,445,000
 metric tonnes of CO₂ equivalent (CO₂e) per year
 2009



GHG REDUCTION TARGET

Hamburg aims to reduce overall GHG emissions by

**40%
by 2020**

(based on a 1990 baseline)

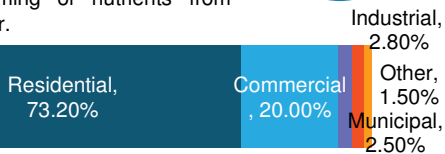
Per capita emissions have already been reduced by 15% compared to 1990.

WATER

The Hamburg Water Cycle is a water management project which will be implemented at two locations in Hamburg. It aims to separate grey water, black water and storm water for separate treatment; this will both increase drainage capacity and maximise the reclaiming of nutrients from black water.

wastewater treated per day

0.45
million m³

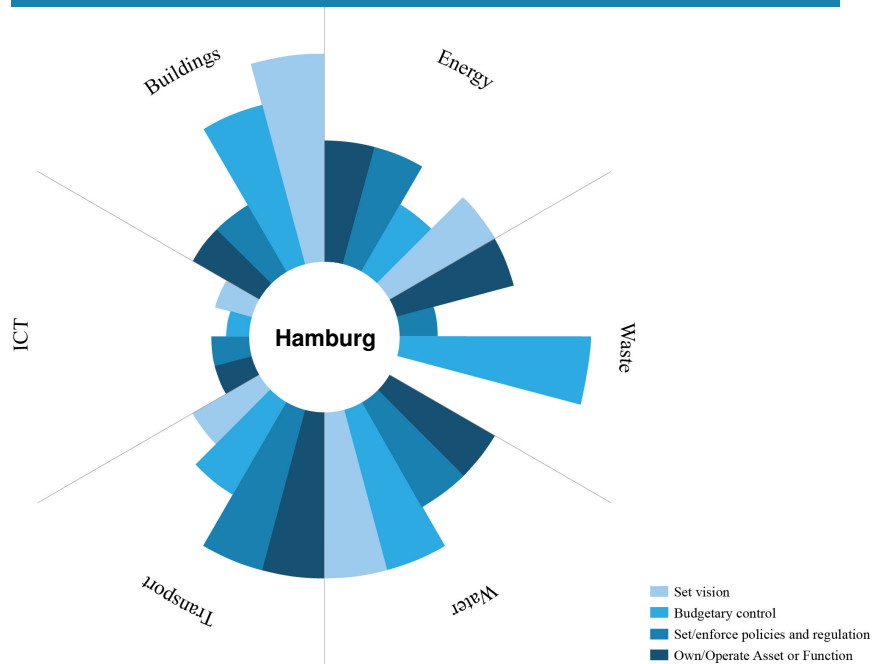


It is currently mandated that all buildings shall be on a metered water supply.

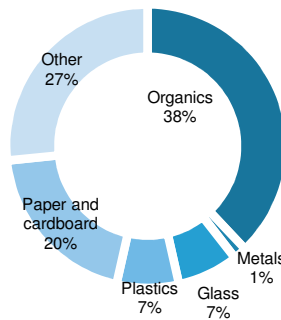
ICT

Connectivity
 Contact with the city authority
 Follow Hamburg on Twitter
 @hamburg_de
 Live data
 Open data
www.hamburg.de

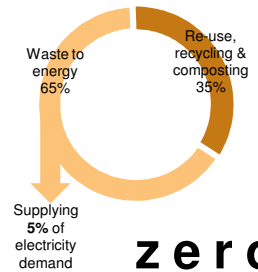
POWERS



WASTE



Stadtreinigung Hamburg (SRH) is a Hamburg owned waste management company responsible for the management of residual waste, bulky waste, bio-waste, paper waste and organises the recycling, energy recovery and disposal of all waste streams



zero
waste to landfill

TRANSPORT

100
On street electric vehicle charging points

1,700 km
of cycle lanes
200 km
are segregated

27.7 bn
passenger kms travelled by Rapid Transit Rail every year

Intermodal ticketing system

