



Copenhagen
Carbon Neutral
by 2025

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CPH CARBON NEUTRAL 2025

- CITY ADMINISTRATION CLIMATE INITIATIVES

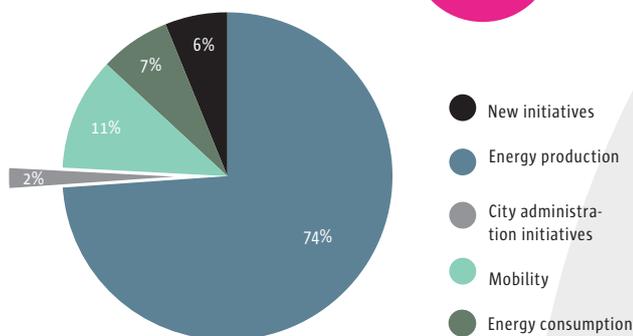
The City of Copenhagen must raise the bar as to what it is possible to achieve in terms of CO₂ saving and energy optimization.

In this way by 2025, the City of Copenhagen will have reduced energy consumption for running municipal buildings by 40 % and halved the energy consumption for street lighting. All municipal vehicles will be running on either electricity, hydrogen or another new fuel.

The municipality will set ambitious climate and environmental requirements for its own operations and for those of suppliers. The municipality's large purchasing volume will be used actively to move the market in a climate-friendly direction. The municipality will, as a developer and property owner build low energy buildings and climate-adapted building and gather experience of the particular building processes, solutions for energy retrofitting and user behaviour.

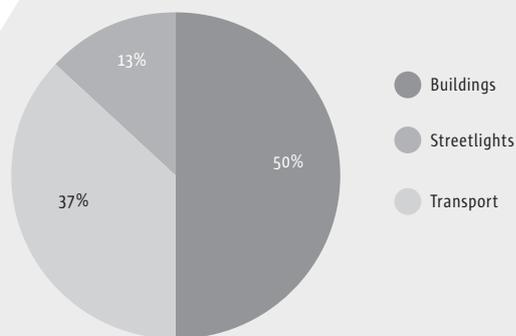
In addition, the City of Copenhagen will collaborate with knowledge institutions and private and public players to create and disseminate new knowledge. Cooperation will ensure green growth through the development of new technology, services and skills in environmental and climate issues. Through communication, education and behavioural campaigns, the municipality will also inspire its 45,000 employees to climate-friendly actions - both at work and in their private lives.

SHARE OF TOTAL CARBON REDUCTION



20.000
TON CO₂

ALLOCATION OF REDUCTIONS FROM CITY ADMINISTRATION INITIATIVES



MAJOR GOALS FOR 2025

- To reduce energy consumption in municipal buildings by 40 %.
- To ensure municipal new build up to 2015 meets the requirements of the 2015 Low Energy Class and up to 2020 meets the requirements of the 2020 Low Energy Class.
- To ensure that the City of Copenhagen's vehicles run on electricity, hydrogen or biofuels.
- To halve the energy consumption for street lighting in Copenhagen.
- To make sure there is a total of up 60,000 sq metres solar panels on existing municipal buildings and municipal new build.



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MAIN INITIATIVES

BUILDINGS

- Energy consumption in municipal buildings to be reduced by 40 % through systematic use of charting and recording energy consumption, together with energy management and energy retrofitting.
- Municipal new build until 2015 to meet the requirements of the 2015 category and up to 2020 to meet the requirements of the 2020 category. Amongst other actions, pilot projects for climate retrofitting and climate-adapted low-energy new build will be set up.
- 30,000 sq metres of solar cells to be built on both existing municipal buildings as well as on new municipal building projects.

TRANSPORT

- All of the City of Copenhagen's vehicles will run on electricity, hydrogen or biofuels.
- The municipality's cars will be electric and hydrogen powered. This will include the development of an infrastructure of charging points for electric and hydrogen vehicles.
- Larger vehicles will use biofuels. Copenhagen will be part of a pilot and demonstration phase for alternative fuel technologies for heavy vehicles.
- All outsourced driving duties for the City of Copenhagen to be done in vehicles not using fossil fuels.

PROCUREMENT

- Climate and environmental requirements to be introduced in more areas of procurement than today. This is to include implementation of procurement strategies which focus on transport, energy-consuming products and the field of plant and construction.

STREET LIGHTING

- Street lighting to be replaced, thereby reducing electricity consumption by 50 %.

EMPLOYEES

- Employees to be trained in appropriate climate-friendly behaviour and task performance as well as energy-efficient operation. All new employees in the municipality to be made familiar with the municipality's CO₂ targets and climate-friendly work habits and routines.

ECONOMY

After energy savings and other reduced operating expenses have been deducted, the total municipal expenditure as a climate organisation will be in the order of DKK 1 bn from now until 2025.

The two major items of expense are energy retrofitting and climate adaptation of municipal buildings and replacement of street lighting. The cost of energy retrofitting and adaptation will, by 2025, be a total of about 1.4 bn, giving an operating savings of about 0.6 bn over the period. Replacement for street lights using LED will be a total of approx. DKK 270 million, giving an overall saving on electricity bills during the period of about DKK 140 million.

Most initiatives will provide financial savings as early as 2014, but the overall saving will be achieved only after their completion.