

[Copenhagen Keeps Warm Using Energy Efficient Heating](#) [1]



[2]

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Ecologic Institute

Copenhagen uses water-based district heating which is not only more energy efficient than more traditional models but can also be stored in thermal storages. This heating system is part of a heating system network encompassing over 20 municipalities. It is managed and operated through regional cooperation and partnerships.

Looking towards the short-term, Copenhagen is working to convert all remaining coal-fired combined heating and power units (CHP) to biomass. By removing gas from sludge generated during wastewater treatment processes, biogas is being integrated into the Copenhagen gas grid. Biogas is envisioned to provide 100% renewable energy from the city's CHP plant and replace coal. To date, one plant has already been converted to 100% biomass. Geothermal energy in the district heating network is also a part of the long-term vision for the city.

For more detailed information on how Copenhagen is redesigning its district heating system, click [here](#) [3].

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<https://stateofgreen.com/en/profiles/city-of-copenhagen> [4]

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[3] <http://www.cphcleantech.com/cph-heating>

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