DH Tuzla - fact sheet

In the city of Tuzla, the district heating system is based on coal-fired cogeneration (CHP) that was spotted as the most efficient and reliable way of heating over the past 38 years.

The instantaneous power is 220 MW_t, with designed temperature regime 145/75°C at -17 °C outdoor air temperature and steady fluid flow. The length of the main pipeline is 10 km (DN600-DN250) and 132 km of the heating grid and 847 heating substations. Based on data from 2019, up to 21,026 consumers (18,837 flats, 2,189 commercials) and heating area of 1,549,922 m² is being heated, which makes cca 80% of Tuzla's inhabitants.

DH Tuzla - plans

Having in mind status of energy efficiency, scope of pollutant-emissions and degree of air pollution, and the vision of City of Tuzla, the objective of the City of Tuzla is to establish sustainable instrument for managing energy in the City of Tuzla, which by 2040 shall result in reduction of CO2 emission, caused by public and private sectors heating, from the current annual 500.000 tons to 20.000 tons annually.

A large number of substations and distribution pumps have been replaced in recent years and a remote control management system was introduced. Further improvements are underway, including upgrading the remote control management system, integrating heat storage and renewable energy resources, introducing consumption-based billing, with the aim of achieving a smart thermal system.