



# Stryi Ukraine



## Challenges

Stryi has a comprehensive district heating system, serving both individual households and large consumers, such as public buildings, schools, and healthcare facilities. In recent years, the city has initiated an effort to renovate the network's infrastructure, substituting old pipes with newer, more efficient ones. The main challenge remains the heavy dependence on natural gas for heat generation; the system consumes, on average, 6.4 million cubic metres of the fuel per year, leaving a significant carbon footprint behind.



Municipal enterprise Stryiteploenergo  
Source: Stryiteploenergo

## Opportunities

Biomass is currently the best option for replacing natural gas in the fuel mix. AEE INTEC and the City Institute Lviv, together with the utility operator Stryiteplonergo, are studying the replacement of gas-powered boilers with biomass-fueled ones. Locally sourced and more sustainable, biomass can ensure increased efficiency, sustainability, and affordability for the district heating operation. To support the complete decarbonisation of the system, it is also planned to make investments in heat pumps and cogenerated heat and power units (CHP), ensuring further heat source diversification and better system management.

On the infrastructure side, Stryi plans to keep replacing old, steel pipes with pre-insulated substitutes, reducing heat loss and decreasing energy consumption.

## Key facts

- Population: 98.000
- Network size: 29.4km
- Customers served: 60.000
- Heat produced: 64.88 GWh/year
- Total heat sold: 64.88 GWh/year
- Supply/return temp.: 115°C/70°C

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