



Sustainability Report 2025

Contents

Review to year 2025	3
Key figures	6
Sustainability goals for 2040 and results for 2025	9



Review to year 2025

REVIEW TO YEAR 2025

KEY FIGURES

SUSTAINABILITY GOALS AND RESULTS

A local district heating company that serves customers locally

Tuusulanjärven Lämpö – Local heat, local service

Tuusulanjärven Lämpö is Järvenpää's and Tuusula's own district heating company – we know the local region, neighborhoods and needs. We produce and deliver heat that is local and reliable. Daily life at homes, schools and buildings runs smoothly when there is heat – and we make sure that there is every day.

For us, being local is about more than just location – and this is reflected in the way we serve. We are close, easy to reach and quick to help when a customer needs support, information or technical expertise. We develop our services together with the people in the area because we want to be part of this community, its daily life and its future.

The year 2025 in figures

In 2025, we produced 366 GWh of heat and 49 GWh of electricity. The majority of the heat was produced locally at the Järvenpää power plant, using domestic wood and forest chips, recovered fuels and, to a lesser extent, natural gas and peat. Total fuel consumption was 421 GWh, of which 68% was bioenergy, 25% recovered fuels, 4% natural gas and 3% peat. Only 6 GWh of heat was purchased externally.

Our carbon dioxide emissions during the year decreased to 19,665 tonnes and the CO₂ emission factor was 43 kg/MWh – step-by-step towards lower-carbon heat production.





Sights on future solutions

In 2025, we focused in particular on improving the overall efficiency of the system and on controlling emissions. We discontinued the use of peat, which significantly reduced production emissions. To reduce emissions, we also made a significant investment decision to build a 40 MW electric boiler plant and a 750 MWh district heating accumulator in connection with the Järvenpää power plant. The investment is expected to be completed during 2027, and it will significantly reduce the use of natural gas after completion.

We also continued to develop new energy solutions. For example, we explored the recovery of waste heat from buildings as a way to improve the efficiency of heat production.

During 2025, we also mapped opportunities to utilize industrial waste heat more extensively in district heat production. Work to develop these solutions will continue during 2026.

Reliable local heating

The Järvenpää power plant utilizes biofuels and recovered fuels. The use of bioenergy and recovered fuels reduces dependence on fossil fuels and supports circular economy principles. Wood chips from forest industry byproducts are given new life in homes and buildings in the area.

The heat delivery reliability to customers was 99.995%, which reflects a high level of operational reliability and trustworthiness.

In 2025, Tuusulanjärven Lämpö continued its development towards even more reliable energy production – locally, close to its customers.

Key figures

Financial indicators

Indicator	2025	2024	2023
Turnover, MEUR	41.5	42.4	37.5
Operating profit, MEUR	-2.3	-6.0	-8.7
Return on equity, %	-3.2	-4.0	-4.8
Equity ratio, %	65	66	66
Number of customers	1,376	1,368	1,367
Heat sales (GWh)	313	338	346
Electricity sales (GWh)	49	50	65
Gross investments, MEUR	4.4	3.1	2.5



Environmental indicators

Indicator	2025	2024	2023
Carbon dioxide emissions from production (CO ₂ t)	19,665	33,592	34,036
Exceedances of emission limit values (No.)	17	27	47
Environmental damages (No.)	0	0	0
Fuel consumption (GWh):			
Bio	286	307	337
Recovered fuels	105	113	94
Natural gas	15	38	30
Oil	0	0	0
Peat	14	34	45
Emissions from energy production (t):			
SO ₂	1	3	13
NO ₂	181	233	189
Particles	2	1	2

Indicator	2025	2024	2023
Waste:			
Ash and slag, tonnes (t)	5,916	6,766	5,834
Environmental investments, MEUR	0.5	0	0.4
Specific emission factor of heat production (gCO ₂ /kWh)*	43	63	52
Fossil CO ₂ specific emission factor of total production (gCO ₂ /kWh)	47	75	74
Specific emissions of total production (mg/kWh):			
SO ₂	2	7	28
NO ₂	436	521	414
Particles	5	2	4
Heat production (GWh)	366	397	392
Electricity production (GWh)	49	50	65

*The specific emission factor for 2025 has been calculated using the benefit allocation method, which differs from previous years.

Sustainability goals for 2040 and results for 2025

Yhteiskuntavastuun tavoitteet vuoteen 2040 ja tulokset 2025

In 2025, Tuusulanjärven Lämpö prepared a new Net Zero Roadmap extending to 2040, with the main goal of reducing emissions from its own energy production.

In 2025, we discontinued the use of peat and the share of renewables was 83%. In addition, we will replace the use of natural gas with an electric boiler and a district heating accumulator, optimize energy distribution, production and fuel use, and utilize waste heat.

We will reduce our own energy consumption by approximately 10 GWh per year in accordance with the Energy Efficiency Agreement, and we will help our customers monitor their energy consumption and save energy.

The Raportointikansio service is used to monitor energy consumption and billing, and the number of users is continuously increasing. The functionalities of the Raportointikansio service are developed based on customer feedback. Energy efficiency services are actively offered to customers. One example is the Etevä Energiaetsivä service, in which Tuusulanjärven Lämpö carries out a comprehensive assessment of a property's energy efficiency and prepares a report for the repair needs assessment.

In addition, we help our customers keep heat distribution equipment in good condition through inspection and maintenance services for heat distribution substations, or customers can order a renovation service to renew a heat distribution substation. Good, functional and regularly maintained equipment helps customers implement energy-saving measures.

The reliable delivery of heat energy is at a good level in industry comparison. Our goal is that delivery disruptions caused by faults and damage during the heating season are less than 0.8 h/customer/year.

In 2025, the realized interruption time was 0.41 h/customer.

Our goal is to conclude new agreements annually in which we utilize our customers' waste heat through service concepts that promote the overall efficiency of the energy system.

We actively aim to identify waste heat sites both in the existing building stock and in future projects. We engage in open dialogue with potential operators regarding projects and, for our part, aim to enable our customers' projects.

Working in the company is safe. Our safety target is zero occupational accidents.

In the service produced by Vantaan Energia for Tuusulanjärven Lämpö, we achieved our safety target of zero accidents in 2025. There was 1 near-miss incident involving our own personnel. In 2025, one commuting accident occurred, which did not lead to arrangements in the person's work duties or absence from work.

For our part, we contribute to supporting the carbon neutrality goals of Järvenpää and Tuusula through strategic partnership.

Within the framework of partnership agreements, we contribute to supporting the carbon neutrality goals of Järvenpää and Tuusula and actively present our own ideas and services, for example in regional development projects. We are able to

work in close interaction already at the zoning stage of areas, which allows us to bring our expertise to projects at a very early stage.

There were no deviations in compliance with the responsibility perspective in 2025.

The responsibility perspective is taken into account in procurement. We require our suppliers to comply with ethical principles. There were no deviations in compliance with the responsibility perspective in 2025.





www.tuusulanjarvenlampo.fi