

Total GHG emissions

	2022	2023	2024	2025
Scope 1 CO ₂ Emissions	1,236,018	1,250,740	1,177,032	1,177,491
Scope 2 CO ₂ Emissions – Location based	141,627	141,621	167,101	132,565
Scope 2 CO ₂ Emissions – Market based	0	0	0	0
Scope 3 CO ₂ Emissions	13,071,123	12,511,685	12,456,097	11,797,271

Electricity generation based on non-renewable energy sources

2025 (GWh)

Coal	0
Nuclear	0
Natural gas	304.2
Oil	0
Waste to energy (49% non-renewable shares)	428.4
Total	732.6

Electricity generation based on renewable energy sources

2025 (GWh)

Wind	0
Hydro	0
Solar	19.3
Biomass	29.3
Geothermal	0
Landfill gas	40.5
Wave tidal	0
Waste to energy (51% renewable shares)	422.5
Total	511.5

Installed capacities based on non-renewable energy generation sources

	Capacity 2025 (MW)	Share capacity 2025 (%)	Target capacity 2030 (MW)	Share of target capacity 2030 (%)
Coal	0	0	0	0
Nuclear	0	0	0	0
Natural gas	162.2	49.8	150	31.6
Oil	0	0	0	0
Other non-RE (Waste to energy 49% renewable share)	64.6	19.8	65	13.7
Total	226.8	69.6	215	45.3

Installed capacities based on renewable energy generation sources

	Capacity 2025 (MW)	Share capacity 2025 (%)	Target capacity 2030 (MW)	Share of target capacity 2030 (%)
Wind	0	0	0	0
Hydro	0	0	0	0
Solar	16.5	5.1	177	37.3
Biomass	6.6	2.0	7	1.5
Geothermal	0	0	0	0
Landfill gas	13.9	4.3	14	2.9
Wave tidal	0	0	0	0
Other RE (Waste to energy 51% renewable shares)	62.0	19.0	62	13.0
Total	99	30.4	260	54.7

Energy Intensity

	2022	2023	2024	2025
Energy used per unit of water supplied (MWh/ML water)	450	429	424	436
Composted, reused, recycled, recovered waste from water business (% of total waste from water business)	94	94	99	97

In 2025, the Hera Group produced 156.1 thousand tonnes of sludge from wastewater treatment plants (-4% compared to the previous year). In line with the circular economy approach, 3.1% of the sludge produced was sent for direct agricultural reuse in fertilizer production and composting, and 81.4% was sent for indirect agricultural reuse. 12.1% was sent for incineration, while no sludge was sent to landfills for disposal. This result allows the Group to achieve ahead of schedule the target of reducing landfill disposal of sewage sludge to 1.5% by 2030.

Energy efficiency training provided to employees

Providing adequate training for staff is a requirement of the Energy Management System and the ISO 50001 standard, and is also a strategic and enabling factor in achieving the Hera Group's energy performance improvement objectives. To this end, the Hera Group's training catalogue includes specific courses dedicated to the topics of ISO 50001, efficient energy use and energy incentives, including: ISO 50001 Energy Management System, Operational Control Elements within the Energy Management System, Design Elements within the Energy Management System, Procurement Processes and Investment Tracking, and Energy Incentives. During 2025, the first four courses were delivered in person, involving staff for a total of 205 hours of training. Furthermore, staff taking on new active roles within the Energy Management System receive dedicated training through specific in-depth sessions and mentoring.

Carbon intensity index for electricity sales

The carbon intensity index of electricity sales in 2025 improves to 252.00 t CO₂e/GWh (269.15 t CO₂e/GWh in 2024).

Availability Factor of Plants

	Average availability factor (%)	Number of units
Coal plants	-	-
Gas plants	94	11
Hera Group doesn't have coal plants		

The Imola plant has been excluded from the calculation perimeter as it primarily supports the district heating and cooling distribution system, which does not experience service interruptions during the year. The Imola cogeneration plant was out of operation throughout 2025 due to a fire that occurred at the end of 2024, and the damaged engines were repaired at the end of 2025.

Efficiency of Generation

	2022	2023	2024	2025	Average age of plants (years)
Efficiency coal plants (% or BTU/kWh)	-	-	-	-	-
Efficiency open-/combined-cycle gas plants (% or BTU/kWh)	68	71	71	71	16.2
Hera Group doesn't have coal plants					