

# Non-traction: Thameslink and Great Northern

## Thameslink and Great Northern non-traction data table

Southern	April 2019 to March 2020	April 2020 to March 2021	Variance	Percentage
Non-traction electricity	21,122,179 kilowatt hours	21,168,209 kilowatt hours	+46,030 kilowatt hours	+0.22% kilowatt hours
Non-traction gas	3,358,140 kilowatt hours	3,160,468 kilowatt hours	-197,672 kilowatt hours	-5.89% kilowatt hours
Non-traction carbon scope 1	617 tonnes CO <sub>2</sub> e	581 tonnes CO <sub>2</sub> e	-36 tonnes CO <sub>2</sub> e	-5.83% tonnes CO <sub>2</sub> e
Non-traction carbon scope 2	124,282 tonnes CO <sub>2</sub> e	103,548 tonnes CO <sub>2</sub> e	-20,734 tonnes CO <sub>2</sub> e	-16.68% tonnes CO <sub>2</sub> e
Water consumption	181,849 cubic metres	180,541 cubic metres	-1,308 cubic metres	-0.72% cubic metres
Waste to landfill	17 tonnes	10 tonnes	-7 tonnes	-41.18% tonnes

Thameslink and Great Northern has seen a marginal (0.2%) increase in consumption compared to the year previous. Despite the impacts of the pandemic and the reduction in services, all Great Northern and Thameslink stations remained open with equipment such as station lighting, office heating, CIS and CCTV not dependant on the reduction in passenger footfall.

Gas is predominantly consumed on engineering depots where it is used as space heating to heat the train maintenance sheds. Gas consumption has seen a decrease on the Thameslink and Great Northern network.

Due to the nature of how our gas is supplied, consumption figures are based on billed data rather than actual meter reads, and therefore sees an element of variance due to estimates and accruals. Whilst the methodology of collating data has improved, this variance is still seen with many supplies still on estimated meter reads.

Scope 1 emissions refers to direct emissions and takes into account our non-traction gas consumption and traction diesel consumption. Scope 2 emissions refer to both traction

and non-traction electricity. Across Thameslink and Great Northern our non-traction electricity is supplied through a green electricity tariff, this ensures that all of our station, depot and office electricity consumption is generated through certified renewables therefore only traction electricity is accounted for within our Scope 2 data.

Water consumption is similar to gas where billing data accounts for the figures used in reporting. Whilst across Great Northern and Thameslink we have seen a decrease water consumption, several water leaks were identified which increased consumption. GTR have developed a robust water leak management process which has seen considerable improvement in water leak response.

The impact of the Covid 19 pandemic has seen a dramatic decrease in total waste volumes across Southern with waste to landfill accounting for 0.40% of total waste.

Thameslink and Great Northern's environmental data is verified annually by LRQA.



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