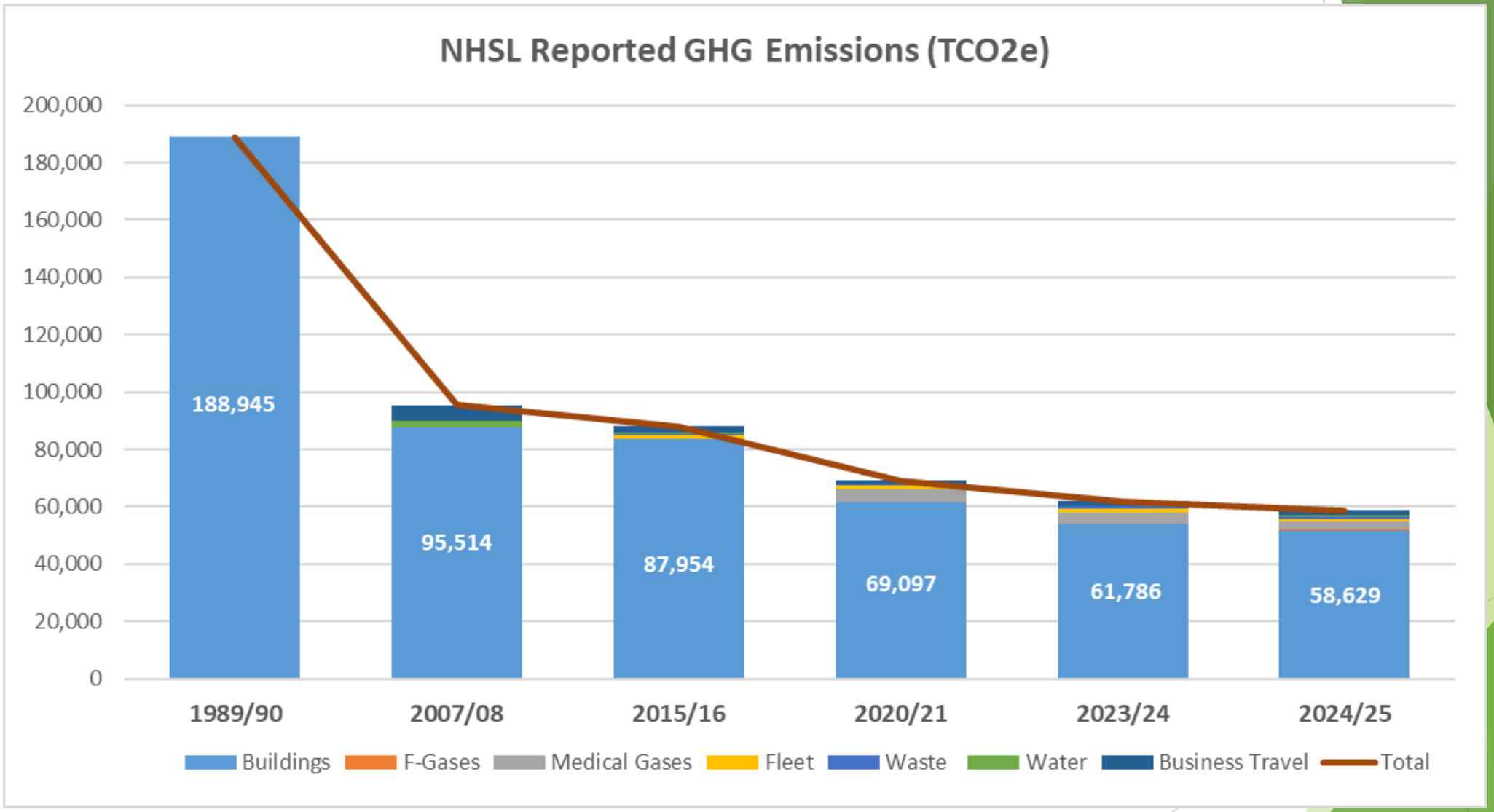
Beyond Boundaries: Why Regional Collaboration Matters

Daniel Mill
Head of Energy & Sustainability

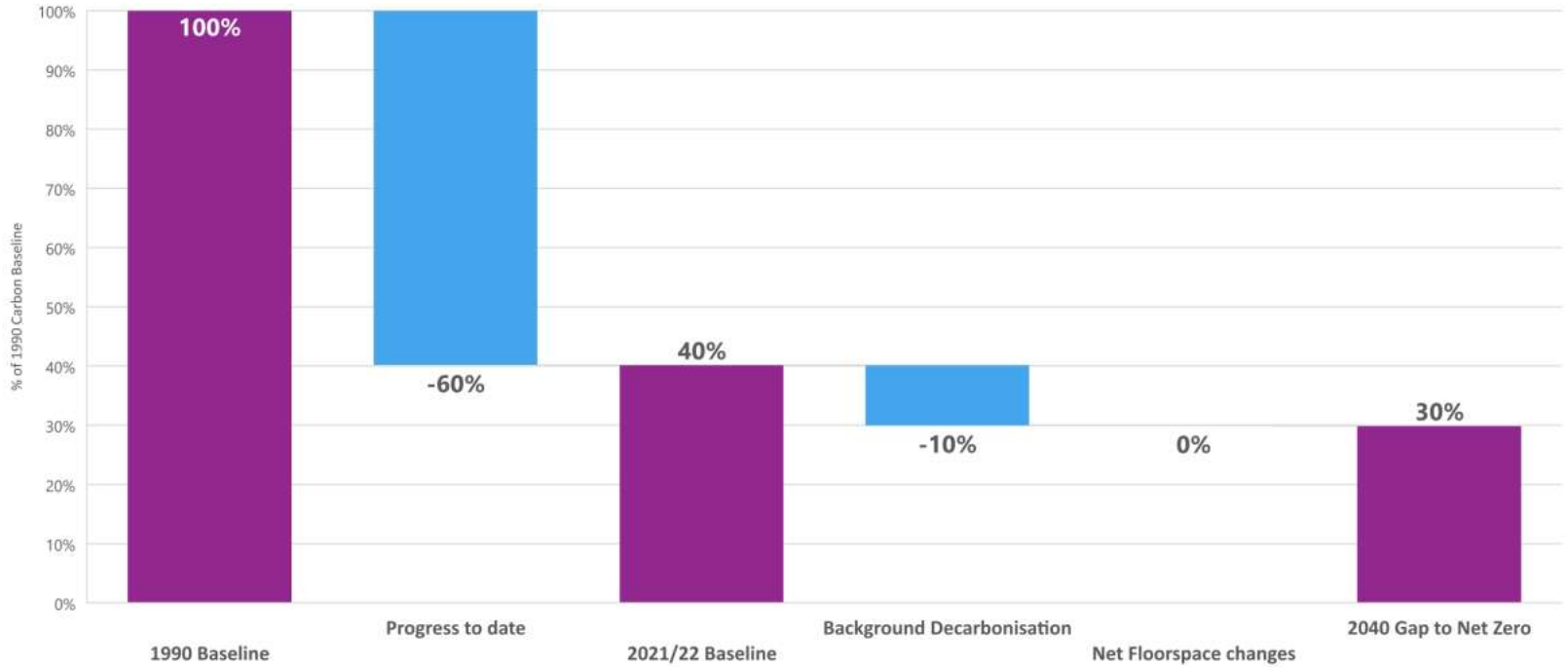
2024/2025 Carbon Emissions (TCO_2e)



Our NHS
Our People
Our Planet

Built Environment

What is NHS Lothian's gap to Net Zero?



- Assumes continued use of gas and no reduction in gas supply emissions.
- Still leaves **38,768** TCO_2
- Significant investment in energy efficiency and renewables required to close the gap
- Short-term priority is reducing demand, through energy efficiency.

SUSTAINABLE DEVELOPMENT GOALS

Our NHS
Our People
Our Planet

Our footprint



NHSL Energy is equivalent to over 20,000 homes or the population of Perth



NHSL fleet and grey fleet travelled over 18 million km's in 2024/25



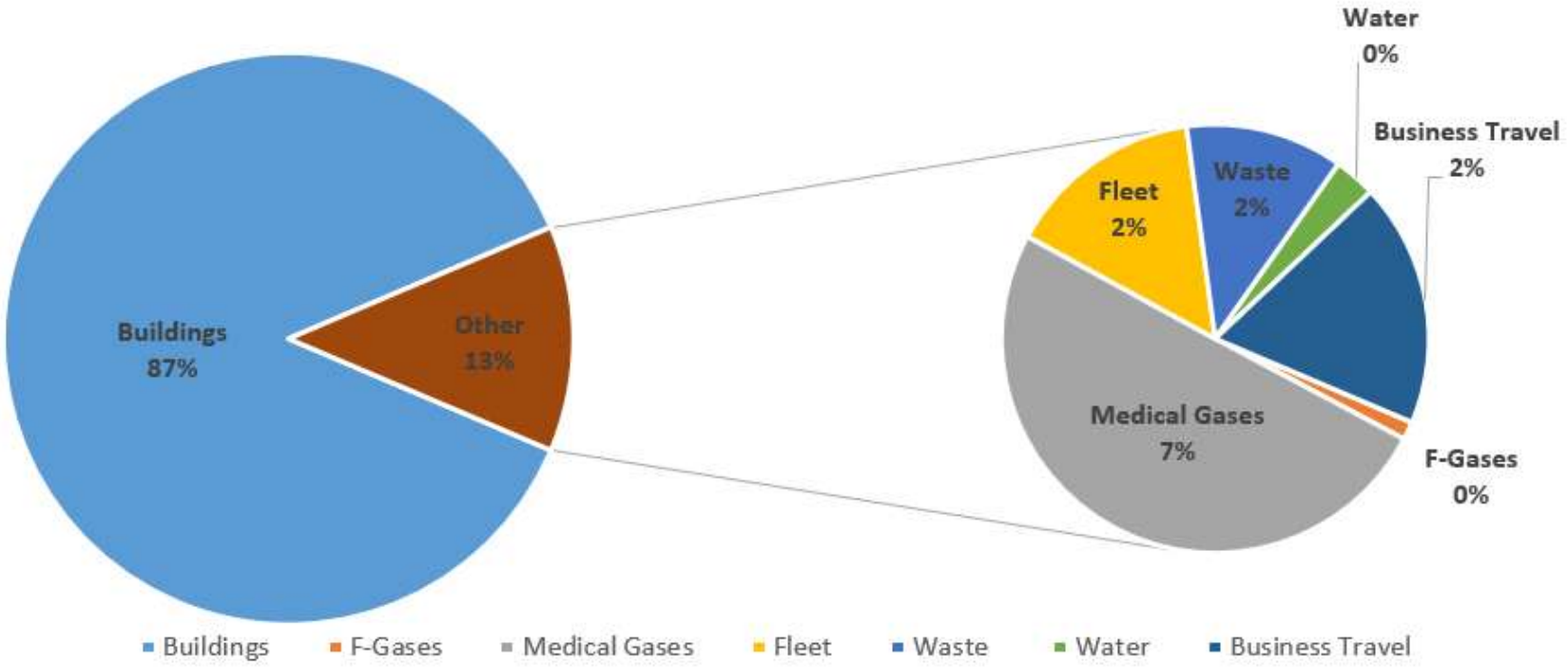
Waste volume = 4,751 average cars

Carbon emissions of 1,929 return flights from Edinburgh to Sydney (Aus)

SUSTAINABLE DEVELOPMENT GOALS

Our NHS
Our People
Our Planet

2024/2025 Carbon Emissions (TCO_2e)

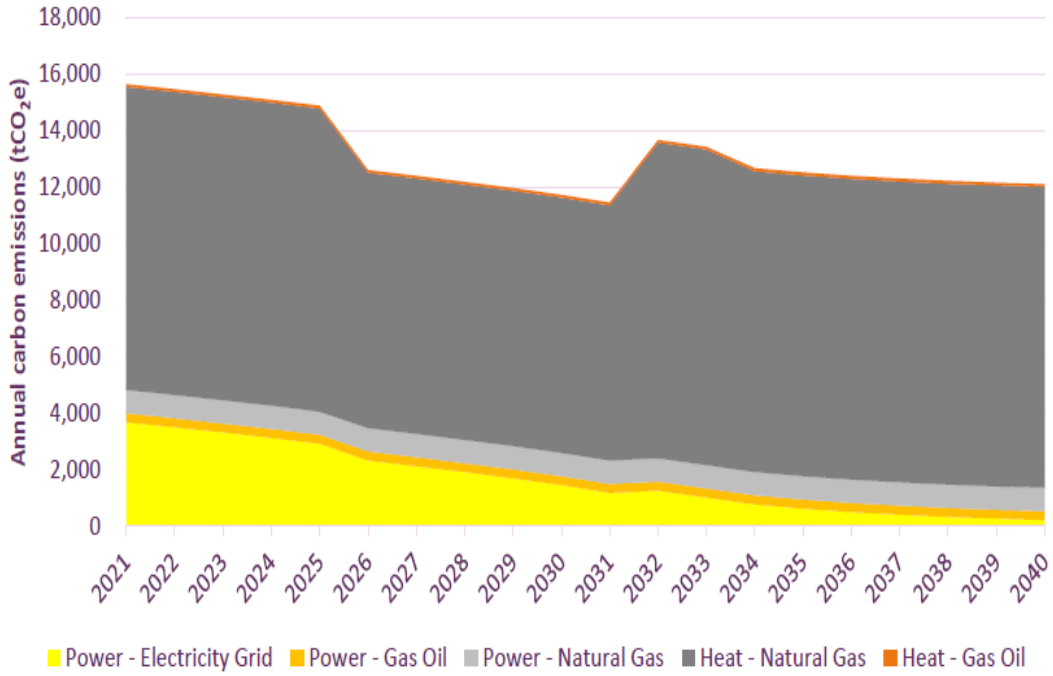


SUSTAINABLE DEVELOPMENT GOALS

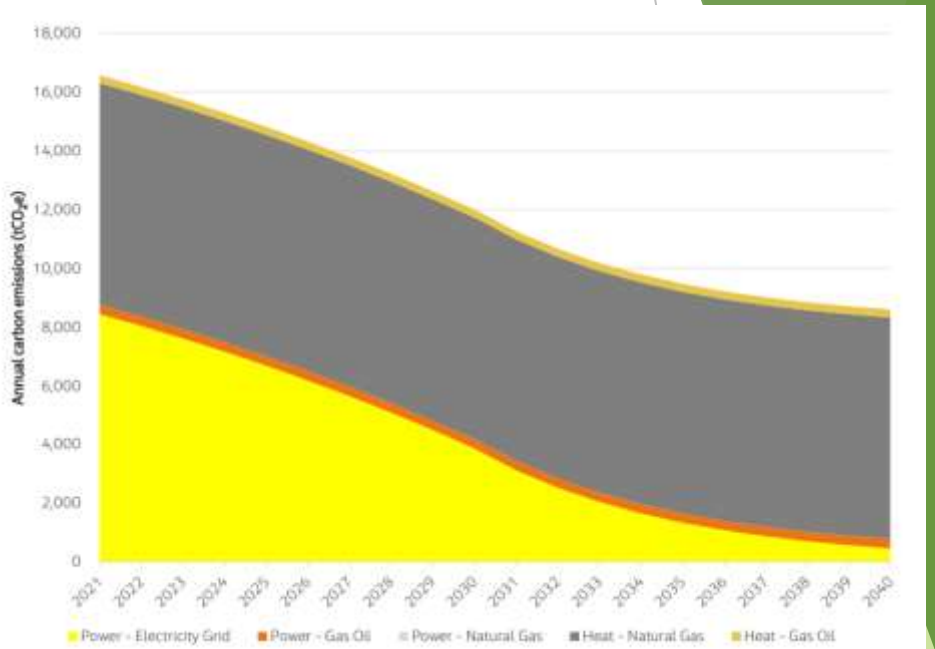
Our NHS
Our People
Our Planet

Context – Emissions BAU

Western General Hospital



Royal Infirmary of Edinburgh

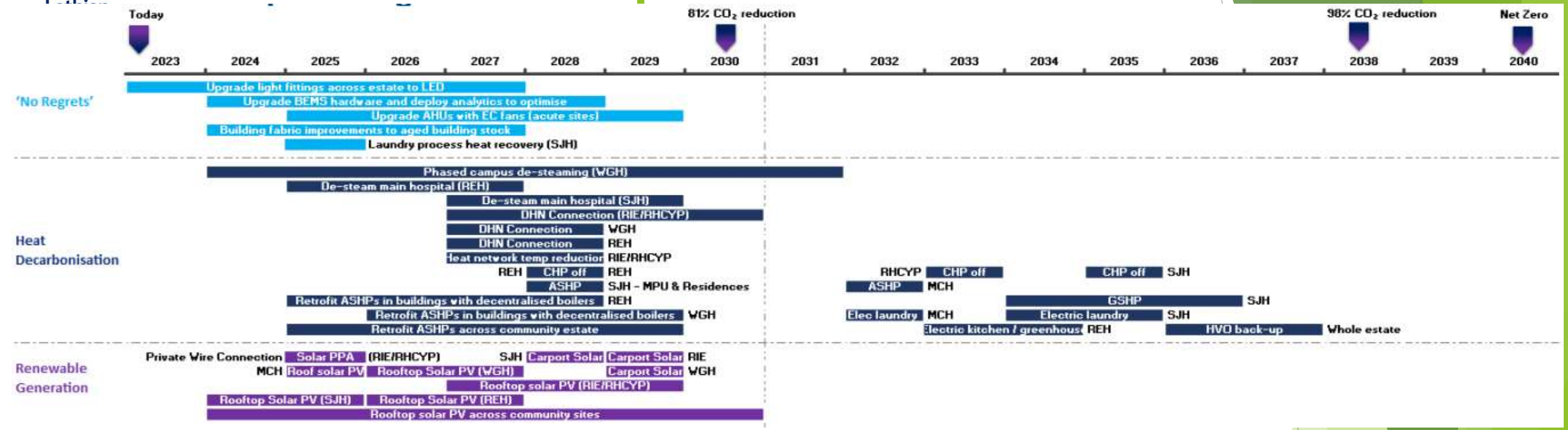


	WGH	RIE
Energy - Heat	41.9 GWh	34.7 GWh
Carbon – Heat % of total	14%	12%

SUSTAINABLE DEVELOPMENT GOALS

Our NHS
Our People
Our Planet

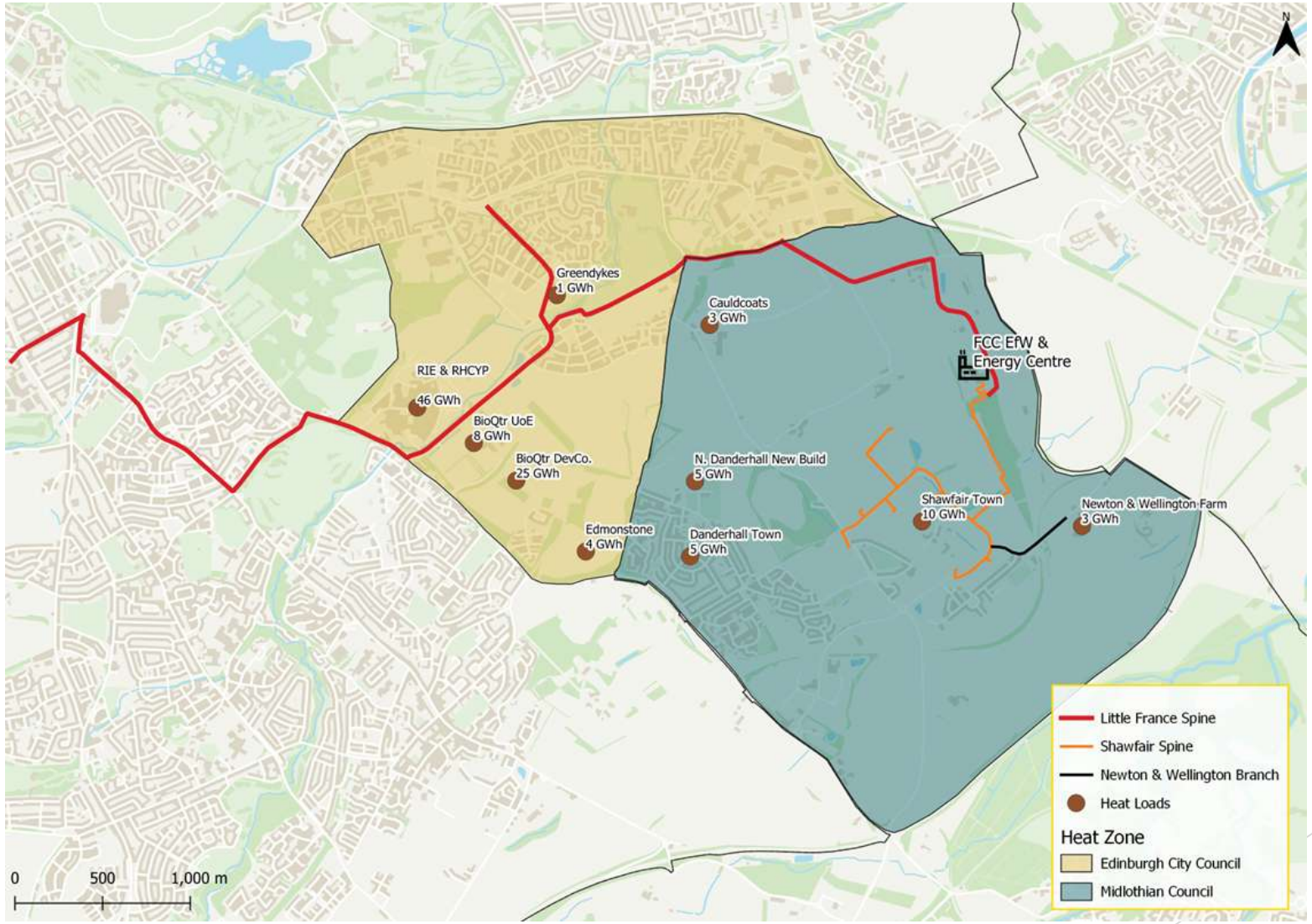
Net-Zero Roadmap



SUSTAINABLE DEVELOPMENT GOALS

Our NHS
Our People
Our Planet

BioQuarter - Heat Network



SUSTAINABLE DEVELOPMENT GOALS

Our NHS
Our People
Our Planet

Our Anchor Role

Enabling Low Carbon for others

Leading on the path to 2040

Public Partners Council, UofE, Scot Ent.

Delivering where policy is still developing

Align objectives: Cost, Carbon, H&S, Resilience and more

Our NHS
Our People
Our Planet

Other Regional Opportunities



Transport – Pool Cars



Circular Economy – Furniture Management



Greenspace – Nature-based health activities



Energy – Off-site Solar Power Generation

Our NHS
Our People
Our Planet

Sustainable Development Framework



Our NHS
Our People
Our Planet

Daniel Mill

Head of Energy & Sustainability
Facilities Department
NHS Lothian
daniel.mill@nhs.scot