

NEWHAVEN PORT CARBON EMISSIONS REPORT

2022 - 2024





Port of
NEWHAVEN
VHF Ch 12

Charting our course to net zero

At Newhaven Port, we're committed to minimising our impact on the environment. A significant part of that commitment is reducing our carbon footprint.

Over the past three years, we've made good progress in tracking and cutting our greenhouse gas emissions. Since 2022, we've carried out annual audits, led by an independent decarbonisation consultant, that have assessed direct (Scope 1), indirect (Scope 2), and selected upstream (Scope 3) emissions from business travel and staff commuting.



Carbon emissions are divided into three Scopes:



Scope 1 covers fuel used in vehicles and equipment we operate.



Scope 2 covers electricity we purchase and use.



Scope 3 covers everything else, including how our team commutes to work and our supply chain.

Reporting on all of Scope 3 is a complex task, and we've started out by measuring staff commuting and business travel. Our ambition is to expand our Scope 3 reporting as our carbon reduction strategy develops.

Our methodology



Emissions are measured in tCO₂e (tonnes of carbon dioxide equivalent), covering CO₂, methane, and nitrous oxide. This approach accounts for the varying global warming potential of different greenhouse gases.

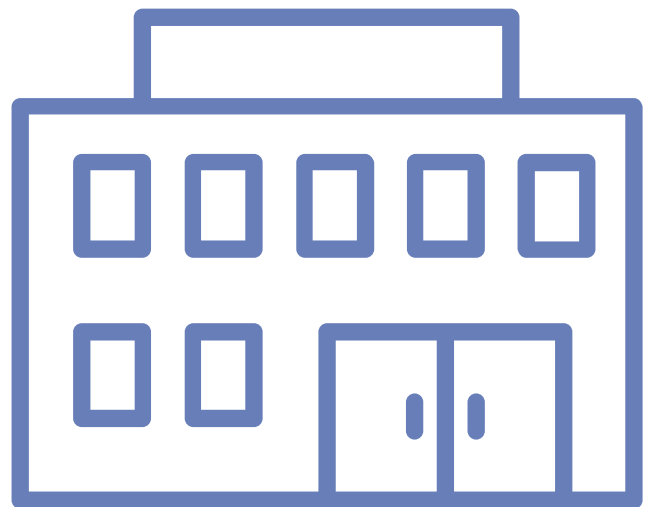
2022, 2023, and 2024 UK Government conversion factors were used.

Post-2023, electricity emissions are calculated using the “market-based” approach, which assumes zero emissions from our renewable energy. In our first year of reporting (2022) we used the location-based approach, which didn’t take into account our renewable energy supply.

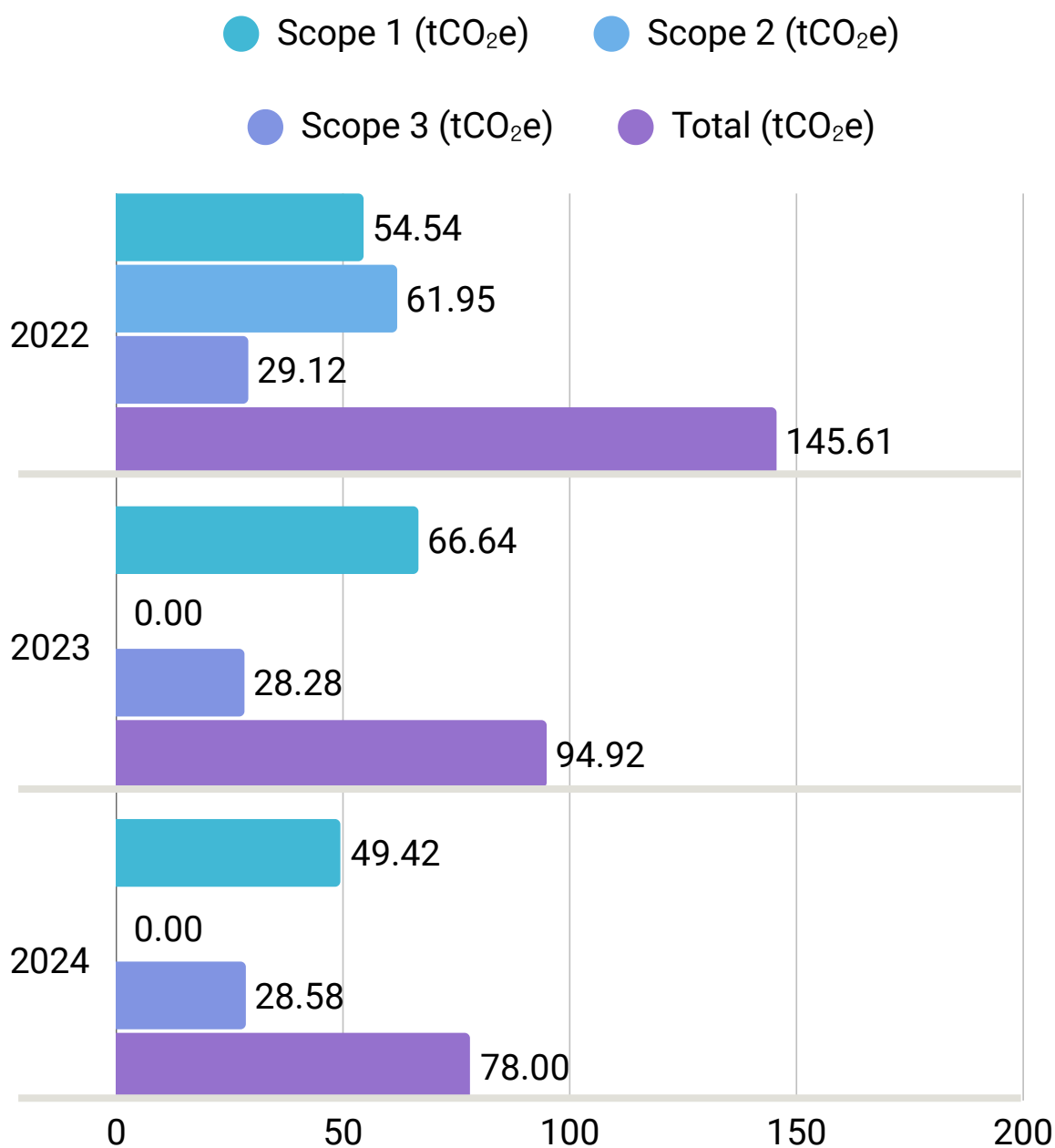
Buildings at the Port

We operate a number of buildings at the Port that consume electricity. The following were included in the audits:

- Ferry terminal
- Freight shed
- Port Admin office
- Security huts
- Pumping station

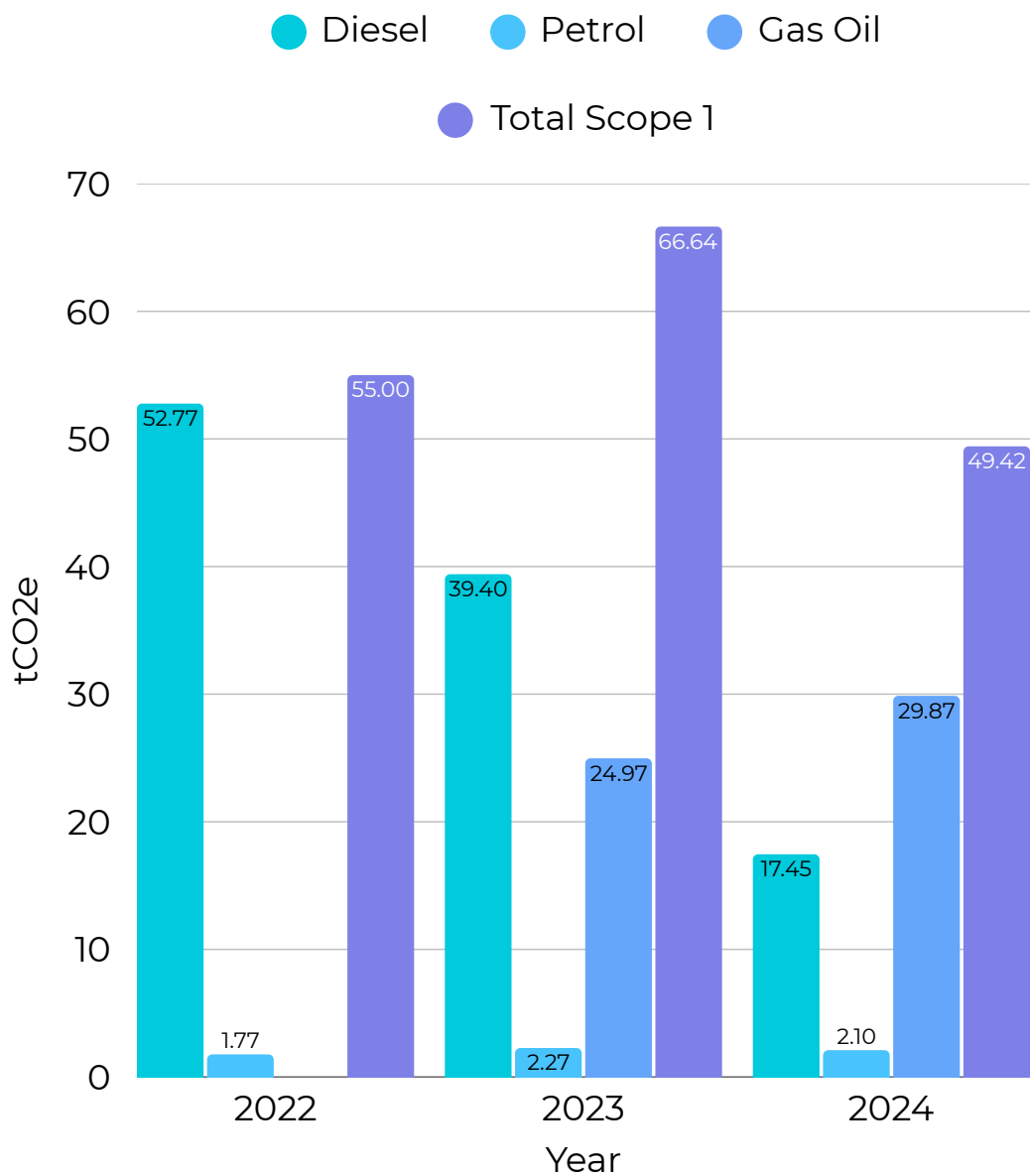


Three-year carbon emissions overview



Scope 1 three-year breakdown

Fuel used in vehicles and equipment we operate.



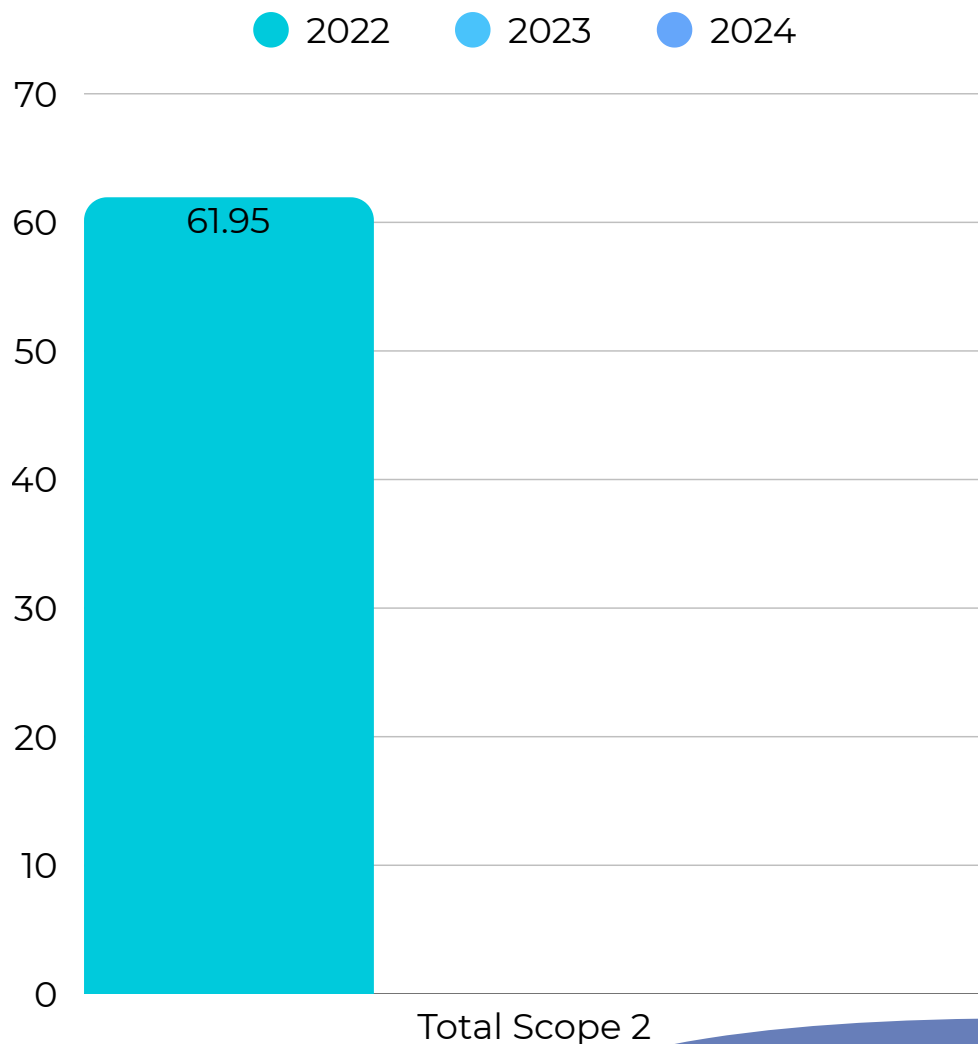
Scope 2 three-year breakdown

We've entered into low carbon electricity contracts with our suppliers. Using the "market-based" greenhouse gas emissions approach, this counts as zero tCO₂e for the purposes of carbon accounting.

We didn't use market-based calculations in our first year of reporting, so Scope 2 emissions in 2022 are recorded as 61.95 tCO₂e.

For completeness, total electricity consumption across the three-year period was:

- 2022 - 293,543 kWh
- 2023 - 277,331 kWh
- 2024 - 278,200 kWh

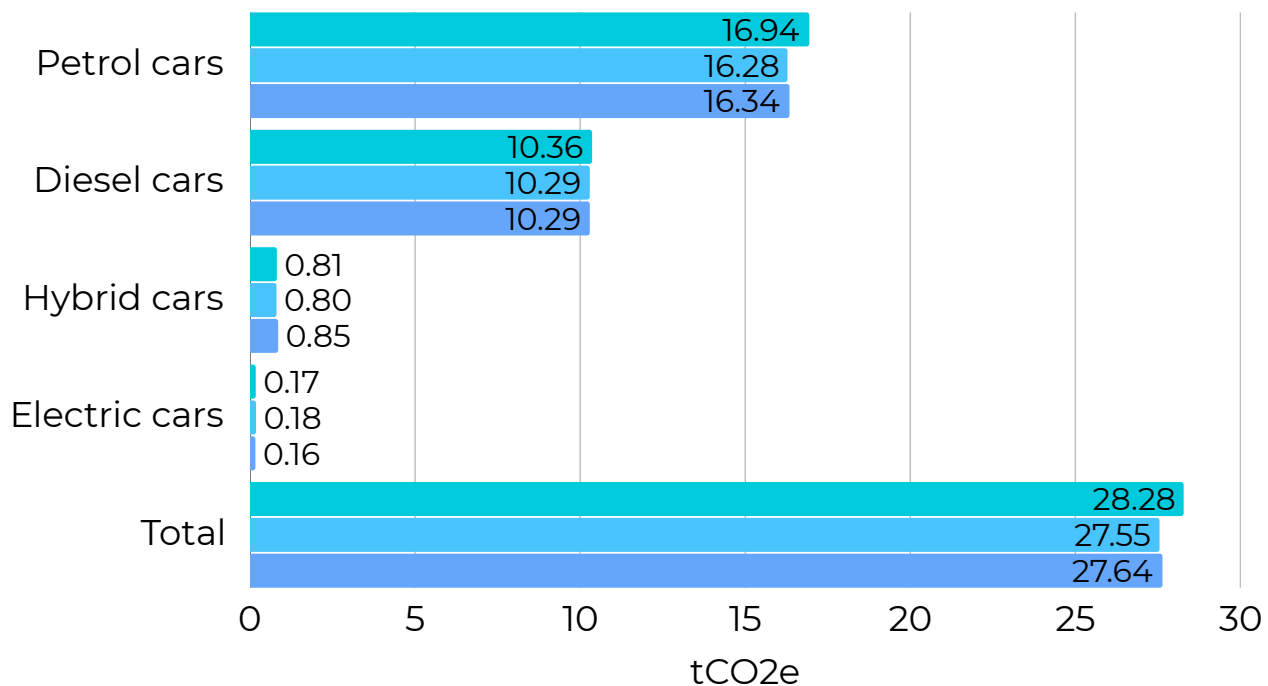


Scope 3 three-year breakdown

In Scope 3, we've reported on staff commuting and business travel.

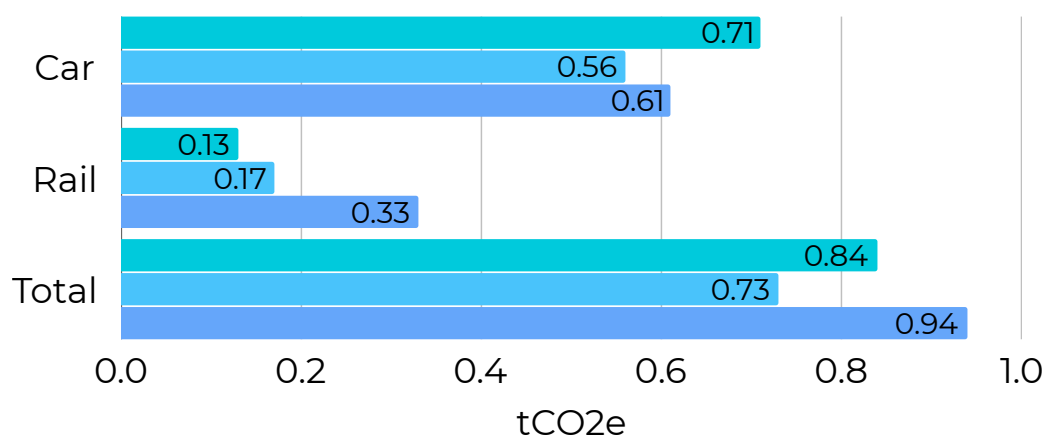
Staff commuting

● 2022 ● 2023 ● 2024

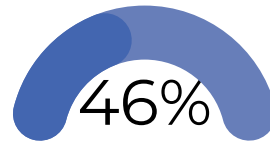


Business travel

● 2022 ● 2023 ● 2024



Progress overview



46% reduction in total emissions from 2022 to 2024.



We're running on 100% renewable energy, from a zero emissions electricity tariff and solar panels on East Quay Sheds 5 & 6, the Ferry Terminal, and the Freight Shed.

In 2023 we switched to electric forklift trucks and in 2024 we switched our vehicle fleet to HVO, which can reduce greenhouse gas emissions by up to 90% compared to conventional diesel.



Staff commuting has remained stable at ~28 tCO₂e, with assumptions consistent year to year. We'll continue to put in place incentives to help staff choose lower carbon commuting options.

LOOKING AHEAD

We've already implemented solar PV on site and we're exploring further reductions through:

- Switching further vehicles from diesel to HVO (Hydrotreated Vegetable Oil) where feasible.
- Continuing investment in renewable energy.
- Considering options for electrifying vehicles and incentivising low-carbon commuting.



Timeline: what we've got planned

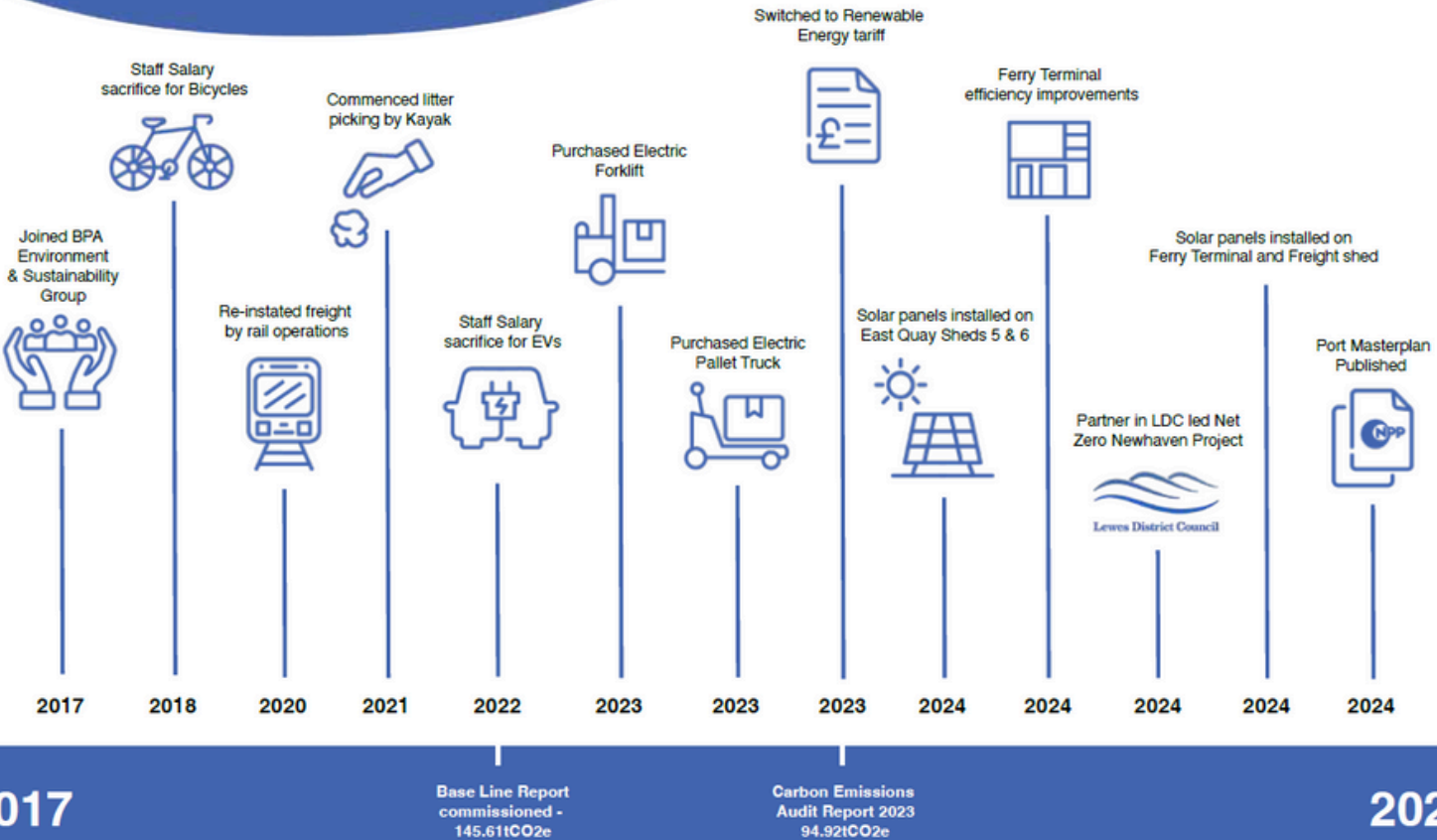
We're developing a strategy to reduce our carbon footprint as quickly as we can.



Newhaven Port Authority



Journey to Net Zero 2017 - 2024



2017

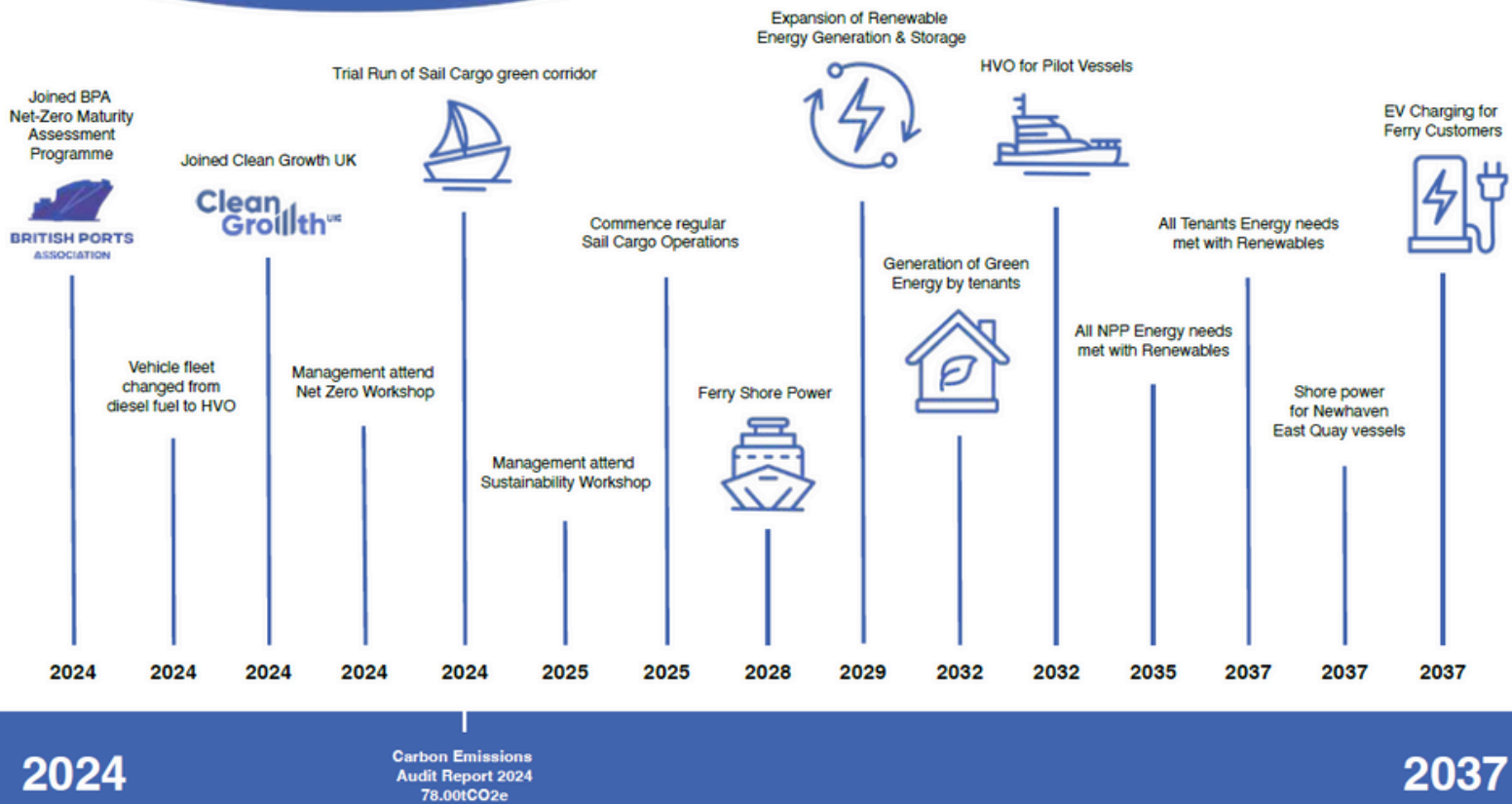
2024



Newhaven Port
Authority



Journey to Net Zero 2024 - 2037



2024

2037

Find out more at www.newhavenport.com/sustainability

