



Port of Aberdeen Net Zero strategy update

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www.portofaberdeen.co.uk



Port of Aberdeen



- UK's oldest existing business, UK's newest harbour.
- Supporting growth in energy, trade and tourism.
- Scotland's largest berthage port.
- ~7,000 vessels annually, 45% of Scotland's traffic.
- £500M+ infrastructure investment over 20+ years.
- Transformational expansion now complete.
- Currently support 12,000 jobs and contribute £1.4bn GVA.
- Up to 17,500 jobs and £2.4bn GVA when expanded port reaches full potential.
- UK's first net zero port by 2040, investing up to £55 million over 10 years to achieve bold ambition.

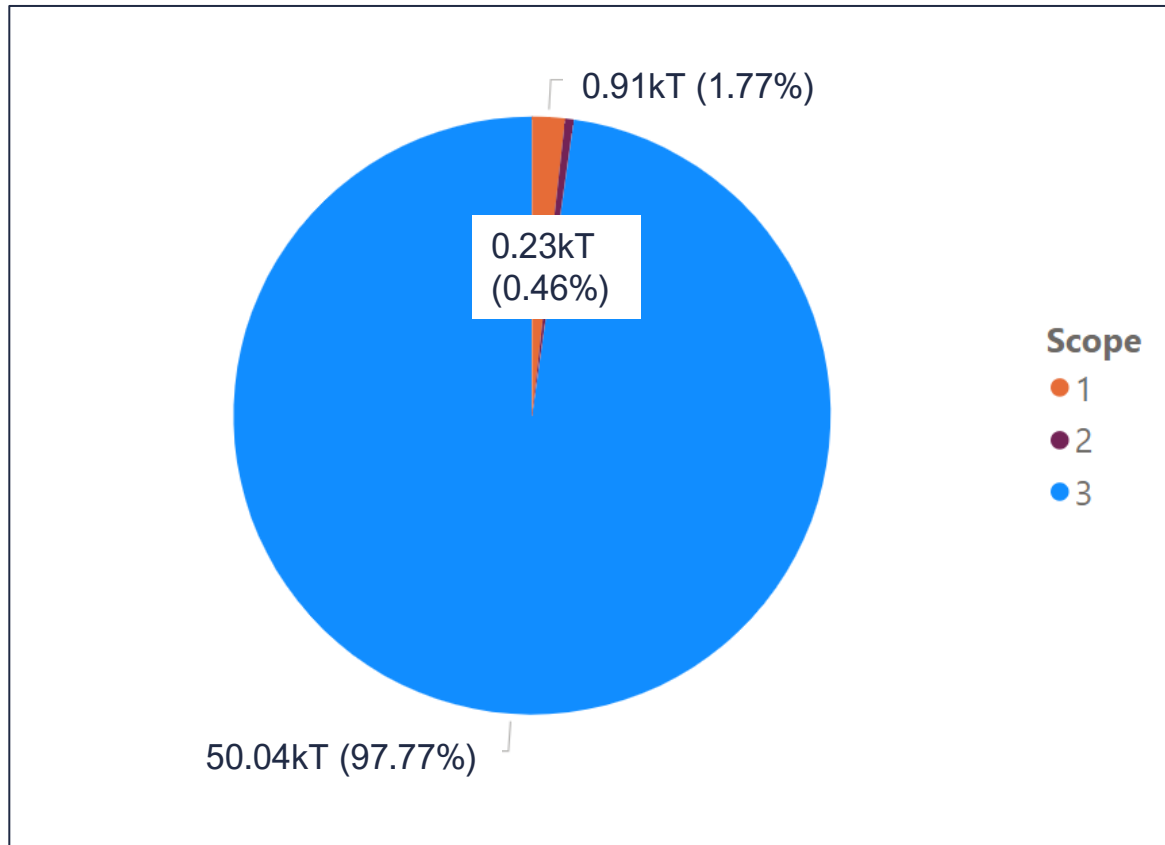
Key objectives



Port of Aberdeen's key objectives are:

- Consolidate and grow our business across the expanded port, focused on energy, trade and tourism.
- Deliver our industry-leading net zero strategy.

Port of Aberdeen emissions - 2022



Scope 1

These are direct emissions, which occur as a result of fuel activities. For Port of Aberdeen this includes company owned vessels, fuel used in equipment and machinery and company cars.

Scope 2

These are indirect emissions from the generation of purchased energy including electricity, heat, steam and cooling.

Scope 3

All other indirect emissions occurring upstream and downstream of the company's supply chain. For Port of Aberdeen this includes water, waste, employee commute, client vessels, business travel, WFH and leased assets.

Scope 1 emissions – achieving Net Zero



Delivered

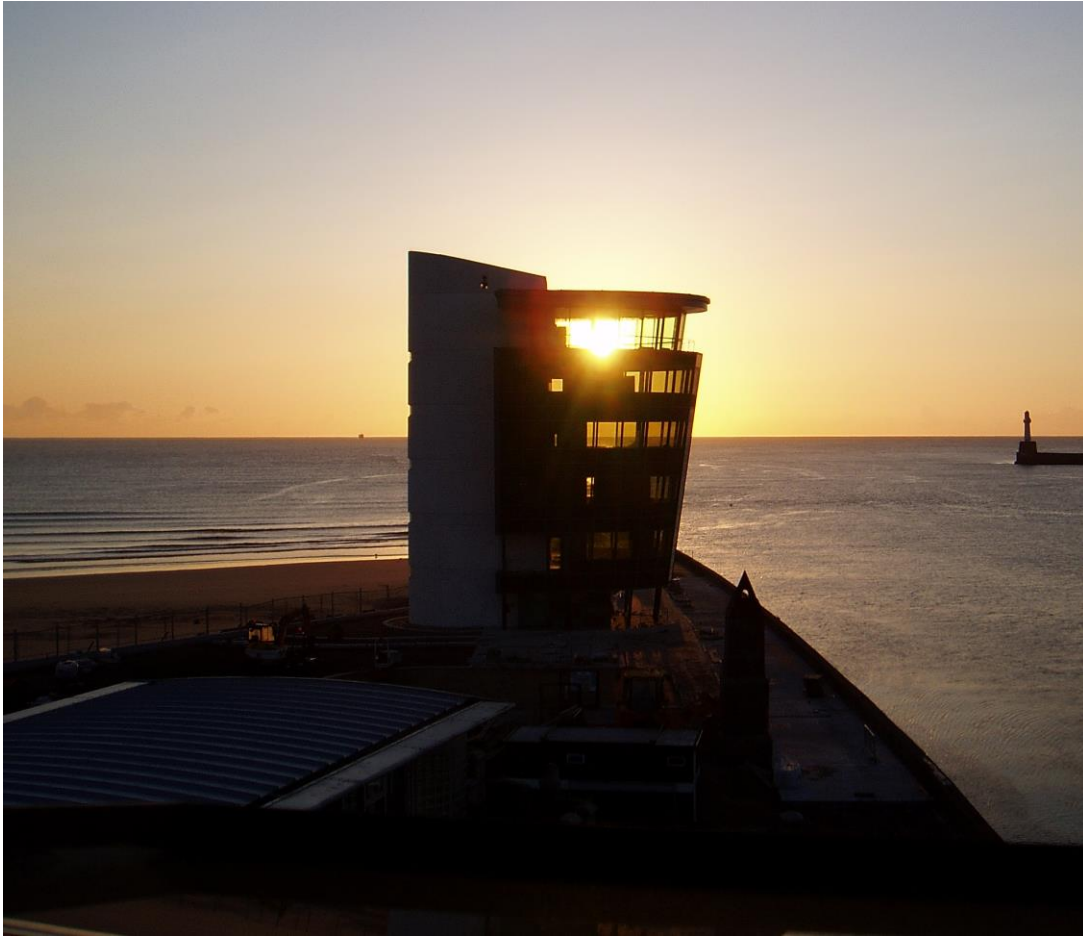
- Using hydrotreated vegetable oil (HVO) instead of diesel for pilot vessels, vehicles and equipment.
 - Double the fuel cost, 99% reduction in emissions.
- Continued switch to electric vehicles.

Planned (near – medium – long term)

- Electrification of all port assets (e.g., vessels, cars).

Targeting Net Zero on Scope 1 emissions by 2035.

Scope 2 emissions – achieving net zero



Delivered

- Installed LED lighting across the port estate.
- Conducted energy audits of all port infrastructure.
- Expansion of EV charging infrastructure.

Planned - (near – medium – long term)

- Procure renewable energy electricity tariff.
- Explore implementation of onsite clean energy.
- Implement onsite clean energy supply or purchase power agreement.

Targeting Net Zero on Scope 2 emissions by 2035.

Scope 3 emissions – achieving net zero



Delivered

- North Harbour shore power feasibility study.
- South Harbour decarbonisation feasibility study.
- Secured ZEVl funding for North Harbour shore power.
- Agreement with CMAL and SNL for ferry shore power.

Planned - (near – medium – long term)

- Completion of ferry shore power project by Q4 2024.
- Completion of ZEVl project by Q2 2025.
- Phased roll-out of shore power.
- Facilitate low / zero carbon fuel alternatives.

Targeting net zero on scope 3 emissions by 2040.

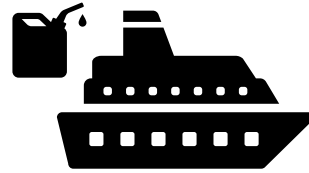
Innovation

Feasibility Studies



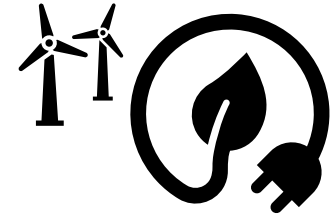
CMDC 1 & 2

Green Shipping Corridors & Alternative Fuels

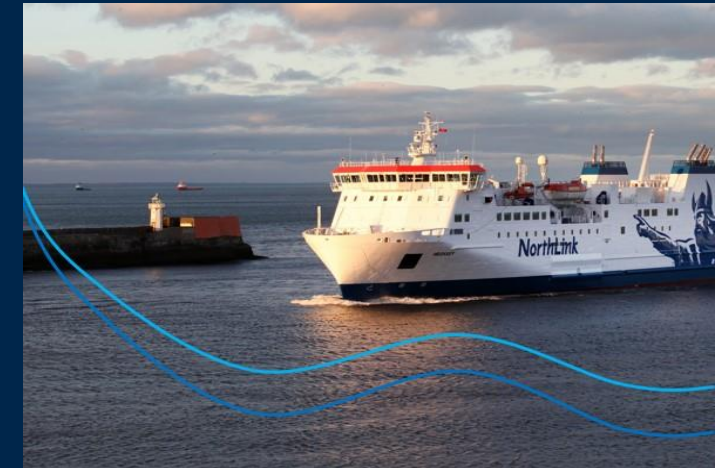


ACUA Ocean & H2Shore

Shore Power



*North Harbour Shore Power
ZEV1*



Water quality, biodiversity and air quality



Planned

- Air quality monitoring boxes to be installed at key locations to track air quality improvements.
- Air quality monitoring trial by UAV (unmanned aerial vehicle) in collaboration with Zephyrus Aerolabs.
- INNS (invasive non-native species) monitoring in collaboration with Marine Directorate.
- Water quality monitoring four times a year.

The future



- Port of Aberdeen is building successfully for the future.
- Expanded port has significant opportunities for growth in energy, trade and tourism.
- Playing a leading, national role in maritime decarbonisation.
- Innovative feasibility studies to shovel ready, emissions reduction projects.
- Continued engagement with stakeholders and sharing lessons learned.
- Public and private sector partnership to develop green infrastructure, and aligned economic incentives and regulation are essential.

THANK YOU

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