



THE PORT

The Port of Peterhead is the most easterly deep-water harbour on the Scottish mainland and lies close to the oil and gas fields of the Northern and Central North Sea. The harbour consists of Peterhead Bay, a natural inlet protected from the sea by two breakwaters, and the inner harbour that consists of a series of harbours and basins that provide facilities for the North Sea fishing industry.

Peterhead is one of Europe's largest fishing ports. The inner harbour provides modern facilities to handle all aspects of the industry. Facilities include the Port Henry Marina providing 44 berthing spaces for small commercial fishing vessels, a temperature controlled fish market, an overflow market, a slipway that can accommodate four fishing vessels, a commercial marina, a ship-lift that can handle two vessels, a drydock and a maintenance workshop. Additional external facilities to the Peterhead Port Authority include two ice factories, net repair facilities, fish box provision, freshwater and fuel.

Comprehensive engineering, repair and maintenance facilities including fish processing factories located at Keith Inch, Sir Albert Quay and the Smith Embankment. Sir Albert Quay also handles bulk shipments of agricultural products, frozen fish and a broad range of other commodities. Norse Group UK Ltd. operate an oil industry service and logistics base from Smith Quay at the mouth to the inner harbour. Within Peterhead Bay ASCO (UK) Ltd operate two oil service bases that provide facilities for the North Sea oil and gas industry. The North Base consists of 2400 m² of land space hosting storage and warehousing. The North Base Jetty is a 2-berth open pile jetty and the North Breakwater provides a further two berths that are protected by a wave-wall on the offshore side. The South Base consists of the South Breakwater (3 berths), the ASCO Quay (five berths) and the Princess Royal Jetty (two berths).

The Tanker Jetty is located close to the South Breakwater and was built to import fuel to the nearby Peterhead Power Station. The Jetty is designed to accommodate tankers up to 50,000 dwt but is also used for offshore industry vessels, cruise liners and jack-up oil rigs. Peterhead Bay Marina is situated in the south-west of the bay and provides pontoon berthing for 150 leisure craft. The Marina is protected by two rubble mound breakwaters.

PETERHEAD PORT AUTHORITY

ENVIRONMENTAL POLICY

Peterhead Port Authority recognises its environmental responsibilities and shall actively work to minimise pollution and the effects of its activities on the environment. As part of this undertaking, in relation to the activities and operations within the physical limits of the port, we are committed to: -

- Continual improvement of our environmental habitat.
- Prevention of pollution with due regard for nature conservation.
- Comply with environmental good practice and legislative guidelines.
- Provide a framework for setting and monitoring environmental objectives, with provision for regular review making the results available in our annual report.
- Implementing a training program for our staff in order to raise awareness of environmental issues and enlist their support in improving the organisations performance

Furthermore: -

- Periodically revise our environmental policy, and ensure compliance with best practice and current legislation.
- Co-operate with stakeholders, authorities and other participants to fulfil our environmental objectives.
- Consult with the local community and relevant organisations on their environmental programs.
- Use resources as efficiently as possible, encouraging staff and contractors to do likewise and consider the environment sympathetically.
- Work to prevent environmental incidents and maintain preparedness response to reduce any adverse effects that may occur there from.
- Work to reduce our carbon footprint and improve the sustainability of our environment
- Ensure that the necessary resources are made available to implement and maintain this policy.

Environmental Responsibilities of Key Personnel*

	Job Title or Name**	Department
Port Operations (Dredging)	Senior Port Engineer	Maintenance
Port Operations (Navigation)	Harbourmaster	Marine
Jetty/Quayside Management	Harbourmaster	Marine
On site contractor Management	Harbourmaster/Port Engineer	Marine/ Maintenance
Strategic Planning	Chief Executive	Harbour Board
Supplies acquisition	Senior Port Engineer	Maintenance
Quality Management	Quality Manager	Fish Market
Emergency Planning	Harbourmaster/ HS&E Officer	Marine/ HS&E Department
Waste Management	Harbourmaster	Mari
Shiplift / Slipway management	Port Engineer / Facility Manager	Maintenance
Environmental Document Management	HS&E Officer	HS&E Department
Environmental Data Management	HS&E Officer	HS&E Department
Air Quality monitoring Energy and Carbon Footprint monitoring Water Quality monitoring Soil pollution assessment	Consultant /Port Engineer/ HS&E Officer/ Quality Manager	Maintenance HS&E Department Marine
Marina	Marina Manager	Marina

EXISTING RESOURCES

ESPO/ECOPORTS

Peterhead Port Authority are network partners of the ESPO/EcoPorts Foundation. The ESPO/Ecoports foundation offer support, guidance and consultation on environmental issues and legislation. They are the awarding body for the Ports Environmental Review (PERS) certificate in which the port successfully achieved re-certification in March 2018. This placed the port in the prestigious position of being the only port in Scotland currently accredited with PERS Certification.

OIL SPILL POLLUTION PLANS

Oil Spill Contingency Plans have been prepared by the Authority in accordance with the Merchant Shipping (Oil Pollution Preparedness Response and Co-operation Convention) Regulations 1998. The aim of the Plan is to set out the arrangements for dealing efficiently with the consequences of oil pollution which might affect the Port.

WASTE MANAGEMENT PLAN

The Port Waste Management Plan is updated every three years with amendments being forwarded to the MCA. The plan is lodged with the Marine Department and reviewed by the Harbour Master.

ENVIRONMENTAL IMPROVEMENTS 2019

- 'Oil Spill Response' training has continued to remain current and valid with a dedicated response team on standby. Oil spill kits have been strategically sited around the port to improve response times.
- Improvements to the Leisure Marina waste & recycle compound have provided increased segregation of waste types .
- A running programme of replacing Harbour lighting with LED alternatives continues.
- Special Waste Water disposal costs have reduced due to the introduction of the DRAM filter system unit and the reduction in use of toxic anti-fouling paints.
- The port carbon footprint has reduced as a result of renewable energy providing approximately 80% of electrical requirements.
- Peterhead Port Authority has implemented a 'Cycle to Work' scheme encouraging employees to leave the car at home and take the bike to work. This both reduces the emissions of fossil fuel and promotes a healthy lifestyle.

ENVIRONMENTAL PERFORMANCE INDICATORS 2019

Performance indicators related to effects

Maintenance dredging 2019	0
Capital dredging 2019	0 tons
Percentage used as landfill 2019	N / A
Percentage contaminated 2019	N / A
Port Contaminated Waste Water Quantity & Specialist Disposal Cost 2019	5 tons £1203.00
Waste Skip Collections 2019	202 skips
Dry bulk (grain) tonnage 2019	3179 tons
Carbon Footprint calculation for 2019	With the introduction in 2018 of electricity from renewable sources providing approximately 80% of the port electrical needs and the development of solar energy provision included in the new fish-market, the 2019 carbon footprint reading for the organisation has reduced dramatically to approx. 337- tons CO2 emissions from the 2017 reading of 1202 - tons.

Performance indicators related to effort

Date of planned re-accreditation of PERS	March 2020
Implementation, monitoring & review of Port Environment management system	September 2019
Environmental Improvements	Cycle to Work scheme, Leisure Marina recycle hub, direct recycle receptacle provision to fishing fleet. LED lighting upgrade programme, supporting local community in shore cleaning.

Performance indicators related to quality

Harbour and Bay water quality	Harbour water and sediment are independently sampled by the Scottish Environmental Protection Agency (SEPA) on an annual basis. No reports on contamination levels exceeding the accepted levels have been received to date. Scottish Water analyse the Bay water on a monthly basis where the Port Authority would be informed if concerns were to arise.
Shiplift (Air quality)	Ship repair area enclosed and fitted with air quality sensors identifying toxic atmospheres. (No hazardous atmosphere emergencies to date)

ENVIRONMENT STATUS



- As network partners in the Eco Ports Foundation, Peterhead Port Authority is currently the only Scottish Port accredited with the port specific 'Ports Environmental Review' (PERS) certificate awarded by Lloyds Register. An application to renew this accreditation shall be made in August 2020.
- With the 2010 carbon footprint figure reading of approx. 1680 tons CO2 emissions, through annual incremental improvements, the Authority reduced this figure to approx. 1202 tons CO2 emissions in 2017. With the introduction in 2018 of electricity from renewable sources providing approximately 80% of the port electrical needs and the development of solar energy provision included in the new fish-market, the 2019 carbon footprint reading for the Authority reduced dramatically to approx. 337 tons CO2 emissions.

2020 Vision.

Save water, save energy, and save money

Peterhead Port Authority shall fully audit the Greenhill Fish Market water supply, effluent and usage, in conjunction with Zero waste Scotland and implement a water minimisation programme.

2020 Water usage reduction target From 27,000m³ to 22,000m³ (18%. 5,000m³)

2020 Effluent reduction target from 5600m³ to 4600m³ (18%. 1,000m³)

The costs for water supply, treatment and disposal have increased in recent years. Implementing a formal water minimisation programme will help go beyond quick wins and achieve more significant cost savings.

2020 Vision.



1. Why should I reduce water use in my organisation?

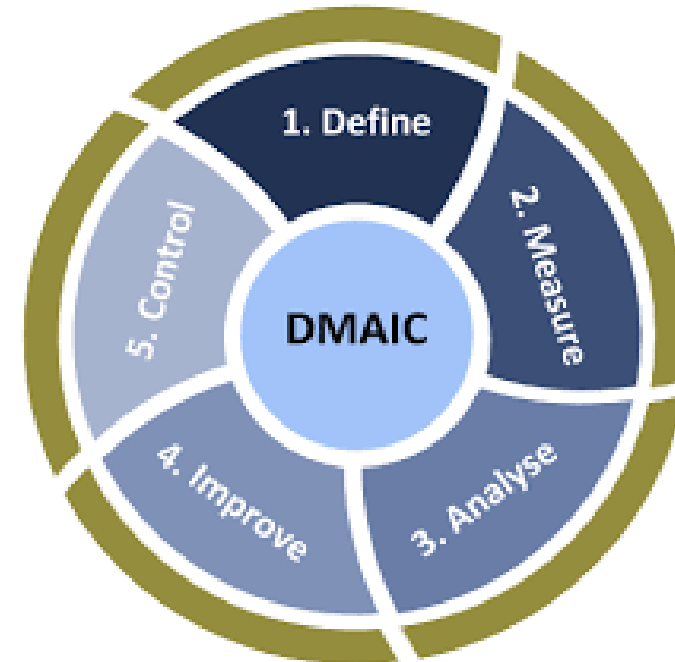
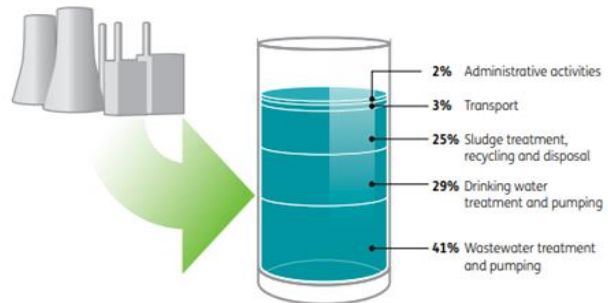
Water is a precious natural resource that all organisations use in some way. For some organisations and sectors, where water is used in operational processes (such as tourism, food and drink manufacturing, and renewable energy generation) it is central to success and survival.

Even for others, where water is simply used in providing staff and visitors with domestic services (such as kitchen and toilet facilities), rising costs mean that water's impact on success and profits should not be underestimated.

In a country like Scotland where water would seem to be plentiful, it is often overlooked as a resource, and not always managed as effectively as other resources are (such as energy and raw materials).

However, savvy organisations that are now successfully managing their water use and becoming more efficient, realise that water requires large amounts of energy to collect, treat, pump and heat.

Figure 1: Energy used to provide water



2020 Vision

Reducing our carbon footprint and promoting our green credentials.



- 270 Solar Panels provide electricity for the fish market chilling & lighting **Saving over 76,000kWh of usage**
- The state of the art facility recycles the surplus energy to provide heating for the offices and welfare rooms in the market.
- Timer / motion control lighting is used to reduce unnecessary waste.
- Surplus energy is directed back to the National Grid.
- Peterhead Port Authority has implemented a 'Cycle to Work' scheme encouraging employees to leave the car at home and take the bike to work. This both reduces the emissions of fossil fuel and promotes a healthy lifestyle



2020 Vision

Actively promoting recycling both on land and at sea.

- Peterhead Port, Facilitates the Fishing for litter scheme which removes marine litter from the oceans.
- Peterhead Port Authority sponsored a local beach clean which saw volunteers collect and remove litter and plastics from local beaches
- Peterhead Port Authority has conducted a pilot litter recycling scheme with several vessels in 2019, it is hoped that in 2020 this will be implemented and reduce Marine waste to landfill by over 50%.

Peterhead Port Authority supports the East Grampians Coastal Partnership beach plastic purge initiative together with the local coastal communities.



2020 Vision



Recycling: One aluminium can saves 95% of the energy required to make a new one
Recycling waste material also reduces the need for landfill
2020 target of 40% total landfill recycled (200t)



Fish Market Solar Power: Each solar kilowatts- hour offsets more than one pound of carbon dioxide
2019= 76877kWh reducing our carbon footprint by 40 tonnes of CO2 emissions per year
2020 target, reduce overall usage by additional 7,000 kWh



LED Lighting : LED lights use up to 85 percent less energy, last up to 25 times longer and are cheaper to run.
LED lighting reduces our carbon footprint by 5 tons per year

Please contact us with any questions or queries by using any of the contact methods listed below.

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