

Environmental sustainability



PRESENTATION OF THE ENVIRONMENTAL STATEMENT

EUROPEAN EMAS REGULATION

2024

The Port of Barcelona is firmly committed to sustainability and environmental protection, both from a local and global perspective.



The EMAS Register is a guarantee of the Port of Barcelona's environmental solvency and a guide to excellence for all the operators that make up the port logistics chain.

We are pleased to present this summary of our eighth Environmental Statement, the most up-to-date report on the environmental management associated with the activities and functions of the Barcelona Port Authority.

This is an extract where we invite you to learn about the essential and most significant aspects, which you can expand upon over the pages of the full version of this publication.

In this latest publication, we present, in detail and at length, the major projects and improvements we are working on in order to ensure optimal environmental monitoring, better use of resources and energy efficiency.

We share a unique environment that we must conserve, and we will focus our best efforts and innovations on this in the coming years.

July, 2024





Port de Barcelona supports the Sustainable Development Goals

**SUSTAINABLE
DEVELOPMENT
GOALS**



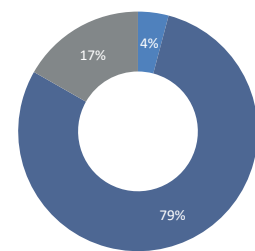
Port de Barcelona



Main contents of the 2024 Environmental Statement



15,524 m³



■ Control posts
■ Buildings
■ Irrigation

Water consumption

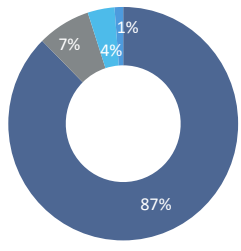
The APB's water supply comes from the companies Aigües de Barcelona and Aigües del Prat.

The main use of water is for sanitary purposes in buildings and facilities.

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9,139 MWh



100% renewable
■ Electricity
■ Gasoil
■ Gasoline
■ Natural Gas

Energy consumption

The APB's main energy consumption corresponds to the electricity supply of buildings and the lighting of roads and facilities, followed by the consumption of diesel, gasoline and natural gas.

Since January 2017, 100% of the electricity supplied to APB and its subsidiaries (WTC, CILSA, Port Vell) is of renewable origin.

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Immission Values

•1.57 µg SO₂/ m³

••33 µg PM₁₀/ m³

•31.5 µg NO₂/ m³

* ZAL Prat

**Dársena Sud

Emissions and air quality

Since 2016, the Barcelona Port Authority has been implementing the Plan for Improving Air Quality in its surroundings by taking various actions to reduce emissions of polluting gases and suspended particles.

To monitor air quality in the port environment, the APB employs a network of meteorological stations and a network of pollution monitoring stations.

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315 t CO_{2eq}

Climate Strategy

The Port of Barcelona has made commitments to reduce its greenhouse gas emissions at three levels:

Emissions from port activity
Emissions from the Port Authority
Emissions from concessions and Port Community operators

The goal is to reduce greenhouse gas emissions by 50% by 2030 and achieve climate neutrality by 2050.

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Highlighted actions

Page 52
COMMITMENTS OF THE PORT OF BARCELONA AS A WHOLE

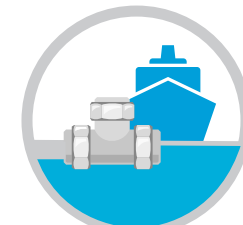
Energy transition.
World Ports Climate Action Plan.
Electrical connection of vessels.

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COMMITMENTS AT THE LEVEL OF THE PORT AUTHORITY

Construction and facilities.
Street lighting.
Own fleet.
Adherence to the OCCC's Voluntary Agreements.
Electricity with renewable generation certification.

Page 55
COMMITMENTS AT THE LEVEL OF THE PORT COMMUNITY

Extension of the electric vehicle charging points plan.
Promotion of OCCC Voluntary Agreements.
Promotion of clean fuels in terminal machinery.
Equipment and resources of port service providers.
Promotion of energy efficiency and renewable energy generation.
Eco-calculator.
Short sea shipping promotion.



Collection of waste from the water surface
40 t

Port water quality

The port waters receive discharges from nearby urban and industrial areas, as well as from activities within the port itself.

The APB (Spanish acronym for Barcelona Port Authority) provides a **service for the collection and removal of floating waste** from the water surface by means of specialised vessels, every day of the year and during daylight hours.

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1,399 t of waste

95.4 %
Non-hazardous waste

Waste generation

The APB is responsible for the removal and management of the different types of waste generated in the port's own buildings, facilities and communal areas, as well as waste from road cleaning.

The APB implements the selective collection of recoverable waste fractions from containers located outdoors for paper, glass and packaging, and from bins and containers located inside APB buildings for paper, packaging, toner and used batteries.

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Physical-chemical analysis

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The Port of Barcelona applies the Surveillance Plan for Coastal Water Bodies of Catalonia, approved by the Catalan Water Agency, to the Port's internal and external waters, as well as monitoring benthic communities, which shows an **improvement in the quality of the water and sediments in the Port of Barcelona in recent years**.

The port is equipped with a wastewater management system that includes over 30 km of collection sewers and 16 pumping stations. The Port Authority of Barcelona (APB) enforces regulations to prevent contamination within the port basins. These rules govern ship painting and cleaning, limiting such work to less sensitive zones, and imposing strict measures on service operators who handle hydrocarbons, due to the high risk of spills.



MARPOL

RECEPTION OF WASTE FROM SHIPS

In accordance with the 1973 International Convention for the Prevention of Marine Pollution from Ships (MARPOL Convention 1973/78), ports must have adequate facilities for the reception of waste from ships by means of a port service.

The decrease in port activity and ship traffic leads to a reduction in such waste.

66,030 t Marpol I

Biodegradable waste

113,206 t Marpol V

Solid waste



95,975 t
Dredging

Port works Environmental monitoring

All works undertaken by the Barcelona Port Authority are subject to environmental monitoring by independent technical support, contracted directly by the APB.

Recycled materials are used in these works, either in breakwaters, paving or filling materials.

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Surface area

Unsealed / unpaved:
2,337,219 m²

Sealed surface area:
8,084,042 m²

Ecology and biodiversity

The port occupies a land area of 1,042 ha, and is located close to the Llobregat Delta Nature Reserve. This means that precautions must be taken to ensure that activity and works at the port interfere as little as possible with the ecosystems and the populations of birds and other species.

One of the actions carried out for the preservation of animal species is the provision of a new habitat for the cormorant population.

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Port de Barcelona

Other content of environmental interest



Soil Contamination

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Environmental noise monitoring

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Emergency plans

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Stakeholders

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Environmental compliance

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2030 Agenda

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SUSTAINABLE DEVELOPMENT
Puertos del Estado