

Focus On Sustainability

At Seabourn, the care we have for our guests and team members extends to caring for the planet, and we are fully committed to these sustainability goals and aspirations. Our ships will increase in efficiency, and our environmental impact will be less, because it is the right thing to do for our guests and for the planet.

Seabourn's sustainability efforts directly support Carnival Corporation's sustainability goals for 2030 and aspirations for 2050 in six focus areas, which were developed to align with the United Nations' Sustainable Development Goals:

- Climate Action
- Circular Economy
- Good Health & Well-Being
- Biodiversity and Conservation
- Sustainable Tourism
- Diversity, Equity and Inclusion (DEI)

Food Consumption & Waste Reduction

We protect and preserve the oceans we sail upon through our commitment to sustainably sourced seafood, and by minimizing and responsibly managing our food waste.

Reducing & Recycling

We strive to reduce as much solid waste as possible. By prioritizing thorough recycling and waste management practices – and a focus on eliminating single-use plastics – we significantly reduce waste sent to landfills.

Community Involvement & Support

We support the well-being of the people in the communities we touch and serve.

Embracing Efficient Energy

We embrace efficient energy practices and technology that allow us to better support the goals of the international treaties, flag state, port state, local laws and regulations that govern our ships.

Preserving Water Resources

We prioritize the preservation of fresh water. Protecting the health of the oceans is a fundamental part of our business model and critical to our shipboard operations.



Seabourn acts on our duty to protect and preserve the waters we sail upon through our commitment to sustainably sourced food, and by minimizing and responsibly managing our food waste.

Sustainable Food Goals:









Supply 100% of seafood needs through **sustainable fishery programs** by 2030.

Achieve 100% cage-free eggs by the end of 2025.

Achieve 100% responsible chicken sourcing by end of 2025.

Achieve 100% gestation crate-free pork by end of 2025.



Conscientious Consumption:

With a goal to reduce food waste by 50% per person by 2030, we encourage our shipboard employees to think about what they consume at mealtimes, using the slogan "feed your body, not the bin," and we measure food waste per ship against a baseline established in 2019.

Food Waste:

Biodigesters

Seabourn has **10 digesters** installed across our fleet.

Biodigesters help reduce methane and carbon dioxide emissions, and they reduce the demand on the ocean for food waste decomposition.

Food waste biodigesters can be thought of as metal stomachs that breakdown food waste to liquid form prior to disposal



Food waste is added

to the digester

Water is added and paddles circulate the food while microbes digest it



The remaining liquid is managed per regulations

Dehydrators

Food waste dehydrators offer an alternate method of food waste processing that has the potential to **reduce waste volume by 75%-95%.**

Food waste dehydrators are currently installed on all of our ships.

Dehydrators produce a stable, **90% dry inert biomass output,** which is offloaded in port or consumed by onboard equipment.

We are committed to protecting the planet, and the well-being of the people in the communities we touch and serve.

Each year, Seabourn ships visit more than **450** ports with over **80,000** guests and team members on board



One of the joys of expedition cruising is **spotting marine life in its natural environment**. Underwater noise from ships can disturb marine life and their migratory patterns.

We put significant planning into developing a visitor program which reflects the community's priorities, interests, and well-being.

When we visit our wilderness destinations, the sites are chosen with the goal of a minimal impact or footprint from our exploration. Guests are given instructions and guidelines that reflect the value we place upon safe, responsible, and environmentally sound practice in all our visits.

We are an active member in both AECO (Association of Arctic Expedition Cruise Operators) and IAATO (International Association of Antarctica Tour Operators) whose intrinsic goals are to advocate and promote the practice of safe and environmentally responsible private-sector travel to the polar regions. We apply these same principles to all of our visits across the globe; not just in the polar regions where these rules are in place.

To help protect environmentally sensitive areas and remote destinations our expeditions travel to, Seabourn Venture features technology that reduces underwater noise radiation. With increased focus on underwater noise emissions from new international standards, we're doing everything we can to preserve these areas for the communities and wildlife that depend on them, as well as the experience of our guests, for years to come.

In addition to providing a **low-impact platform** for guests to explore the undersea realm, our submarines are also helping us **foster and support relationships with the scientific communities** as we can capture and relay data from our remote destinations.





Our shipboard team members regularly participate in **service projects** such as beach cleanups in the communities we visit.

We support local economies and reduce our carbon footprint by buying locally:

We work with thousands of global suppliers every year, backed by reputational research and a thorough vetting process.











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Our two newest ships – Seabourn Venture and Seabourn Pursuit – are fitted with **LED lighting** throughout. Our Ocean Class ships have had their halogen lights replaced with LED lighting in all public areas.

Suites are outfitted with a key card switch to save energy from lighting and AC systems as well as high thermal performance glazed windows and doors for extra heat reflection and energy savings.

Air conditioning is the **second significant use of power on a cruise ship**, second only to powering the ship itself. Our Expedition ships equipped with technology that **reduces energy** by managing cooling on demand. This means our guests can enjoy comfort onboard **without compromising the environment.**

Chillers equipped with variable frequency drives in order to:

Control the compressor speed to optimize efficiency. Manage chilled water demand flow: for seawater cooling and chilled water pumps in reducing the speed based on the demand required by the system. This has the potential to reduce energy consumption of the HVAC installation up to 30%.

We are committed to **decarbonization** and support the transition to **alternative fuels and technologies.**

We've set a goal to reduce our carbon emission intensity 20% by 2030, relative to our 2019 baseline. By 2050, we aspire to achieve net-Carbon-Neutral ship operations.

Design with a purpose:

The hull hydrodynamics and propulsion systems of our expedition ships are **designed with efficiency in mind.**

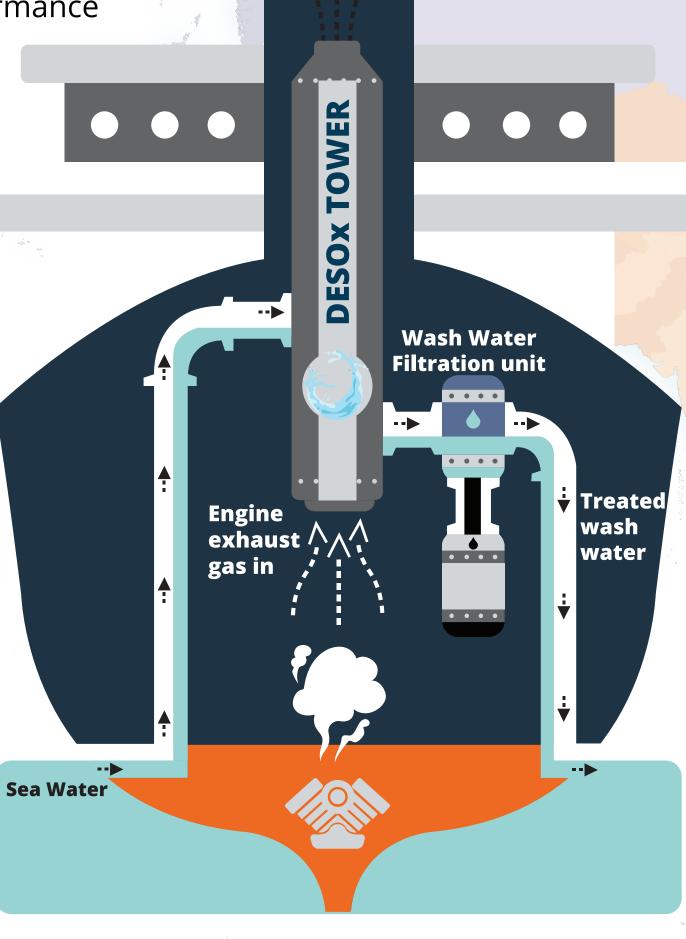
The underwater hull was painted with an ultra-low-friction coating system that uses a water trapping component. This forms a water film lubrication layer between the hull and the sea forming a super low friction layer, reducing fuel consumption by up to 10%.

Ships are fitted with bow thrusters outfitted with fixed pitch propellers and variable frequency drives- reducing energy consumption by 30% compared to traditional thrusters.

Seabourn Encore and Seabourn Ovation are equipped with Advanced Air Quality Systems (AAQS), also known as Exhaust Gas Cleaning Systems (EGCS), significantly reduce sulfur compounds and particulate matter, including black carbon, from a ship's engine exhaust.

AAQS improve air emissions, reduce greenhouse gas emissions, meet and often exceed environmental regulatory standards, and support sustainable operations in the global shipping industry.

Environmental and health benefits include a reduction of sulfur dioxide in the atmosphere (SO2 in exhaust is harmful to human health) and reducing acid rain.



Engine

exhaust

gas out

We prioritize the preservation of fresh water. Protecting the health of the oceans is a fundamental part of our business model and critical to our shipboard operations.

Wastewater Handling:

Seabourn's policies regarding wastewater discharge often exceed local, national, and international laws and regulations.



Grey water is wastewater from suite sinks and showers, galleys, salons, and laundry facilities. It represents the largest volume of wastewater our ships generate.



Black water is wastewater from toilets and medical facility sinks.



Bilge water is wastewater that collects in the ship's bilge, and it can contain oil from engine equipment.

To treat bilge water, we use a cascade treatment system that circulates and recirculates fluid through increasingly efficient oil-water separators, which utilize centrifugal force and the natural separation properties of oil and water to remove the oil from the liquid. Once the oil content is reduced to below 15 parts per million, we measure the oil content one final time before discharging the liquid per local regulations

Water Production:

We obtain fresh water from two sources:



Produced Water

Seawater we either evaporate and re-condense, or seawater that undergoes reverse osmosis, which we treat with minerals and chlorine (this makes up the vast majority of water) [generally greater than 85%] used on our ships.

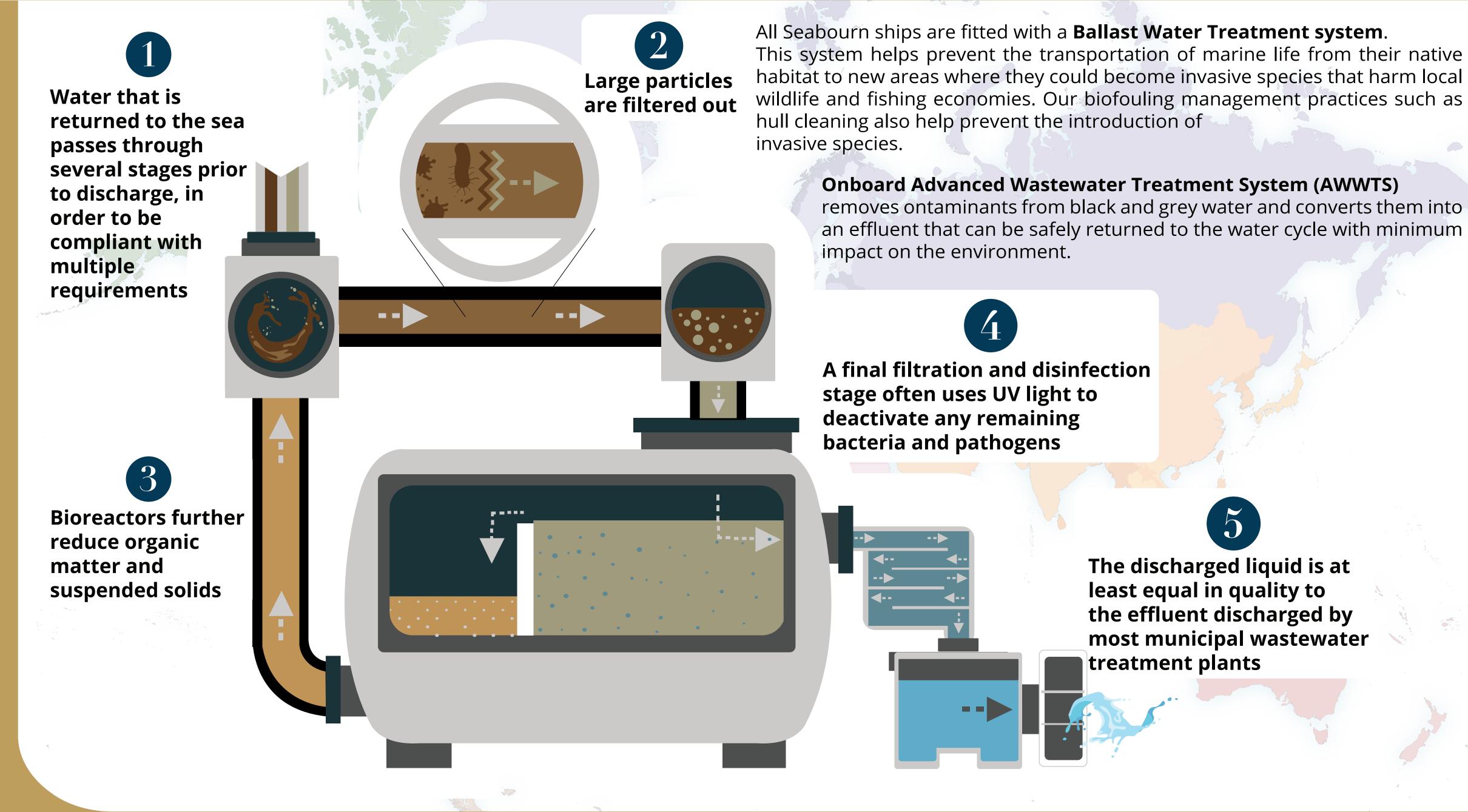


Bunkered Water

Water that is purchased from port communities and stored in designated potable-water holding tanks. We only bunker water from ports where we know water is plentiful and high in quality.







Seabourn strives to reduce as much solid waste generated as possible. Crew members separate waste types at the source, and each ship has a dedicated Recycling Center staffed by trained crew to separate waste even further prior to offload. Through thorough sorting and waste management practices – and a focus on eliminating single-use plastics – we significantly reduce the amount of waste sent to landfills.

We remain focused on **reducing and eliminating single-use plastics** across our fleet in guest and crew areas.



Where possible, changing from small, single-use packaging containers for shampoo, conditioner and shower gel to larger refillable containers.



Reduced 2/3 of single use plastic garbage bin liners on board and eliminated all the waste bin liners from the in-suite waste bin. Replaced plastic straws, Q-tips, and coffee cup lids with paper alternatives.



Eliminated plastic cups for both guests and crew. Replaced plastic cocktail picks and stir sticks with bamboo and wood alternatives. Replaced single-use sugar and sweetener sachets with refillable sugar & sweetener dispensers.



Eliminated the use of balloons and plastic bags in our onboard shops, plastic cutlery, plastic toothpicks, individual sauce packets and foil-wrapped butter pats.

Seabourn has **replaced single-use** plastic bottles for the service of still and sparkling water in all food and beverage venues and for crew across its fleet. In addition, we have replaced single-use plastic bottles of water for guests with **Nordaq-filtered** still and sparkling water served in **reusable bottles**. In total, these service changes will result in the **reduction of more than 1 million water bottles per year**.

Our **waste management** approach focuses on reducing the volume of waste we generate.



We prioritize the offloading of recyclables in ports with recycling facilities.

helps ensure that items are being properly managed once they leave our ships.

This same program helps us identify ports where there are certified recycling opportunities, allowing us to strategically plan the offloading of recyclables.







Press Inquiries:

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To read the Seabourn Sustainability report please visit: https://www.seabourn.com/en_US/our-company/sustainability.html

Full Details regarding Carnival Corporation and PLC Sustainability please visit: https://carnivalsustainability.com/

Version A Published 6.15.2023