

# 2023 Sustainability Report Executive Summary

**Carnival Corporation: “Sustainable from Ship to Shore”**

**April 2024**

## PURPOSE & MISSION

To deliver unforgettable happiness to our guests by providing extraordinary cruise vacations, while honoring the integrity of every ocean we sail, place we visit and life we touch.

## SIX SUSTAINABILITY FOCUS AREAS

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

## REPORT – OVERVIEW

Our 14th annual report reaffirms our commitment to leading the way in sustainable cruising by promoting positive climate action, contributing to a circular economy, partnering with the communities we sail to and from, and reducing our greenhouse gas emissions.

The report details significant momentum in sustainability actions and performance across the board, including meaningful progress toward our 2030 goals and our aspiration to achieve net zero emissions from ship operations by 2050.

Our diverse team of 160,000 people took decisive actions to achieve key milestones across our six sustainability focus areas, including reducing our GHG emissions, food efficiency and single-use plastic reduction.

**Note:** Report aligned with recognized reporting standards: Global Reporting Initiative (GRI), Sustainability Accounting Standards Board (SASB), Task Force on Climate-Related Financial Disclosures (TCFD).

## Sustainability Focus Areas – Key Milestones & Results

### SUSTAINABILITY LEADERSHIP

Setting the pace with the industry’s smartest solutions that deliver on our sustainability roadmap to 2030

CLIMATE ACTION Reducing Greenhouse Gases	CIRCULAR ECONOMY Reducing Volume & Impact of Waste Produced
<ul style="list-style-type: none"> <li>• In 2023, produced 10+% less total greenhouse gas emissions than in 2011 (historical peak), despite 30%+ increase in guest capacity since that time</li> <li>• Accelerated GHG intensity goal by 4 years, committing to a 20%+ cut in GHG intensity on a lower berth capacity basis by 2026 vs 2019 (a &gt;40% reduction vs 2008)</li> <li>• Achieved 14% GHG intensity reduction on both an ALB-km basis and an ALBD basis (vs 2019) in 2023</li> <li>• On track to achieve 42% reduction in GHG intensity on a lower berth capacity basis by end of 2024 (vs 2008) – ahead of IMO’s 2030 carbon intensity reduction timeline</li> <li>• Pioneered new fuels like LNG; ≈25% of capacity LNG-capable by 2028; trialing biofuels and battery technology</li> <li>• In 2024, ≈30% of capacity will be more efficient ships delivered in the last five years while having exited 26 older less-efficient ships</li> <li>• Achieved 68% reduction in absolute particulate matter emissions vs 2015, surpassing 2030 50% goal</li> <li>• 93% of fleet uses Advanced Air Quality Systems to “scrub” particulate matter from exhaust to improve air quality (the technology is unnecessary on LNG ships)</li> <li>• 64% of global fleet able to “plug in” to reduce emissions &amp; noise in port (achieved 2030 goal seven years early)</li> <li>• Annual 5% fuel savings per ship valued at \$100 million per year from fleetwide Service Power Packages (LED lights, HVAC, variable speed fans, etc.) at YE2023</li> </ul>	<ul style="list-style-type: none"> <li>• Diverting a substantial portion of waste from landfills by recycling, composting, reusing, or eliminating items from ships and ports</li> <li>• Reduced food waste per person by 38% in 2023; well on our way to 40% reduction by 2025</li> <li>• Shrinking food print by reducing food loss &amp; waste across every aspect of food preparation, consumption &amp; disposal</li> <li>• Analyzing dining trend data and guest dining flow for real-time recipe production &amp; batch cooking needs</li> <li>• Optimizing ingredient procurement, menu planning and recipe design to reduce unusable scraps &amp; leftover food</li> <li>• Lead the industry with 600+ biodigesters installed on ships breaking down &amp; liquifying uneaten food to sustainably return to nature</li> <li>• Installed 60+ food dehydrators to remove excess water from leftover food, reducing waste volume by up to 90%</li> <li>• By the end of 2023, eliminated ~500 million single-use items and plastics from the fleet (vs 2018)</li> <li>• Holistic low-impact water stewardship on ships and in ports to use less, reuse more, &amp; purify used water to return to nature</li> <li>• 88% of fresh water used on ships sustainably produced onboard and sourced from abundant sea water</li> <li>• ~38% less fresh water used per person onboard than ashore</li> </ul>

<ul style="list-style-type: none"> <li>• Invested \$500 million+ in energy efficiency initiatives since 2015 &amp; investing an additional ~\$100 million annually</li> <li>• Targeting 5% fuel reduction from Air Lubrication Systems-equipped ships (10% of fleet) gliding on air bubbles with less friction; 9 ALS operating across fleet, with 3 more installs planned through mid-2025</li> <li>• Pursuing net zero emissions from ship operations by 2050</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced Wastewater Treatment Systems on 70% of ships purify water after use onboard to municipal-water quality standards or higher before returning it to nature</li> </ul>
<p style="text-align: center;"><b>SUSTAINABLE TOURISM</b> Driving Economic &amp; Social Benefit</p>	<p style="text-align: center;"><b>DIVERSITY, EQUITY &amp; INCLUSION</b> Highly Diverse &amp; Inclusive Employer of Choice</p>
<ul style="list-style-type: none"> <li>• Met responsible sourcing interim targets for eggs, chicken, and pork in FY2023: Achieved 55% cage-free eggs, 34% responsible chicken &amp; 40% gestation crate-free pork purchases</li> <li>• Cruise tourism brings \$75 billion in economic contribution globally, supporting 848,000 jobs (CLIA); vital for remote coastal &amp; island regions</li> <li>• Continued construction on new cruise port destination Celebration Key, expected to open in 2025, providing 1,000 local jobs and significant opportunities for the community</li> <li>• Continued Alaska Green Corridor partnership to explore methods to accelerate GHG emissions reductions</li> <li>• Signed MOU with Grand Turk Government to develop &amp; introduce new recycling solution to support the island; exploring collaborative waste management solutions with several Caribbean nations</li> <li>• Donated to fund relief efforts in disaster-stricken areas in Hawaii and Acapulco, Mexico</li> <li>• Joined the Global Sustainable Tourism Council (GSTC), a leading not-for-profit that establishes &amp; manages global standards for sustainable travel and tourism</li> </ul>	<ul style="list-style-type: none"> <li>• Team members are at the heart of inspiring unforgettable happiness, so we strive to be the world's #1 choice for hospitality, travel &amp; leisure careers</li> <li>• Employ shipboard crew members from approx. 150 countries around the world, cultivating a workforce that mirrors the diversity of 800 global ports we visit</li> <li>• In 2023, we had an average of 92,000 employees on board our ships</li> <li>• Our shoreside operations had an annual average of 12,000 full-time and 2,000 part-time/seasonal employees</li> <li>• CEO signed the CEO Action for Diversity &amp; Inclusion pledge – the largest CEO-driven business initiative to advance DEI in the workplace</li> <li>• Launched the Women Officer Network (W.O.N) employee resource group to support female officer professional development and career advancement</li> <li>• Reaffirmed commitment to the International LGBTQ+ Travel Association</li> <li>• Named as one of the World's Best Employers by Forbes</li> </ul>
<p style="text-align: center;"><b>GOOD HEALTH &amp; WELL-BEING</b> Upholding Our Culture Essentials</p>	<p style="text-align: center;"><b>BIODIVERSITY &amp; CONSERVATION</b> Respecting &amp; Protecting Our Destinations</p>
<ul style="list-style-type: none"> <li>• Continue to focus on our Culture Essentials, which are the key actions and behaviors we encourage and reinforce to further strengthen our culture</li> <li>• Committed to the safety, health and well-being of every life and community we touch and serve</li> <li>• Shipboard medical centers earned international health accreditation and ISO 9001:2015 certification across majority of brands, demonstrating the quality care we provide our team members and guests</li> <li>• Completed annual company culture survey and began tracking associated metrics for improvement</li> <li>• In 2023, shipboard &amp; shoreside team members completed nearly 2.5M total training hours of selected standardized trainings collectively</li> </ul>	<ul style="list-style-type: none"> <li>• Achieving our mission depends on being good corporate citizens and stewards of the environment</li> <li>• Completed installation of new environmental tool “LR OneOcean” across fleet to support compliant voyage planning &amp; execution</li> <li>• Unveiled new solar park at our Amber Cove Port in the Dominican Republic, which will supply 80% of the port's energy needs</li> <li>• Participated in 45+ beach cleanups around the globe &amp; removed ~10 tons of waste and debris from coastal areas &amp; local communities in ports we own &amp; operate</li> <li>• Generated approximately 10 tons of compost soil in our exclusive ports, creating new soil for landscaping use onsite and in the local communities</li> <li>• Repurposing used vegetable oil from ships for biofuel for Juneau motorcoaches; expanding to other ships/sites</li> </ul>

**ADDITIONAL RESOURCES:**

[www.CarnivalSustainability.com](http://www.CarnivalSustainability.com) | [www.carnivalcorp.com](http://www.carnivalcorp.com) | [www.cruising.org](http://www.cruising.org) (CLIA)