

Environmental Stewardship within the Cruise Industry

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Royal Caribbean Cruises Ltd.



Agenda

- Environmental Stewardship
- Industry Firsts
- Save The Waves
- The Ocean Fund
- Energy & Air
- Water & Wastewater
- Waste & Chemical Management
- Destinations & Education
- Partnership Initiatives
- Stewardship Reporting





Environmental Stewardship at Royal Caribbean Cruises Ltd.

Environmental Stewardship Code

Our Company values the environment and is committed to protecting and conserving environmental resources, preventing pollution and continuously improving our environmental management. As a primary business objective, it is the responsibility of every employee, shipboard and shoreside, to ensure environmental stewardship is practiced at all times.

Corporate Environmental Management

- 41 Ships – 6 Cruise Brands
- 73 Environmental Officers
 - 8 Shoreside Managers
- Standardized Programs & Policies



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Industry Firsts

- Established formal environmental program (1992): Save The Waves®
- Placed an Environmental Officer onboard every ship (1996)
- Established The Ocean Fund for marine conservation (1996)
- Obtained ISO 14001 Environmental and ISO 9001 Quality Certifications (1997)
- Installing Advanced Wastewater Purification systems (1999)

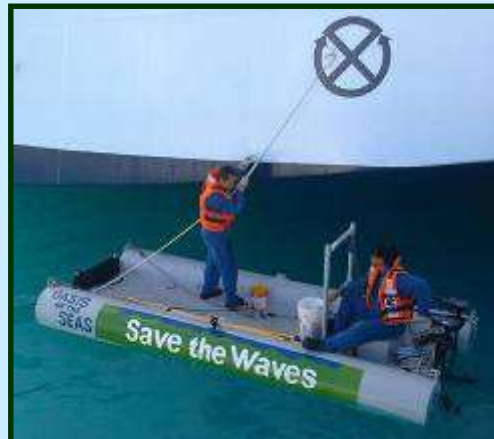




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Save The Waves®

- Four key principles:
 - Reduce, Reuse, Recycle
 - Practice Pollution Prevention
 - Go Above and Beyond Compliance (ABC)
 - Continuous Improvement





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The Ocean Fund



Ocean Fund Mission:

1. Support efforts to restore and maintain a healthy marine environment;
 2. Minimize the impact of human activity on the environment; and
 3. Promote awareness of ocean and coastal issues and respect for marine life.
- Ocean Fund grants are made annually to a variety of non-profit groups and institutions whose activities are directly related to marine conservation, including initiatives in research, education and innovative technologies.
 - Since the fund's establishment, we have contributed more than \$11 million to 66 organizations around the world for projects that relate to ocean science, climate change, key marine species, education and innovative technologies.
 - <http://www.theoceanfund.com>



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Energy & Air Emissions

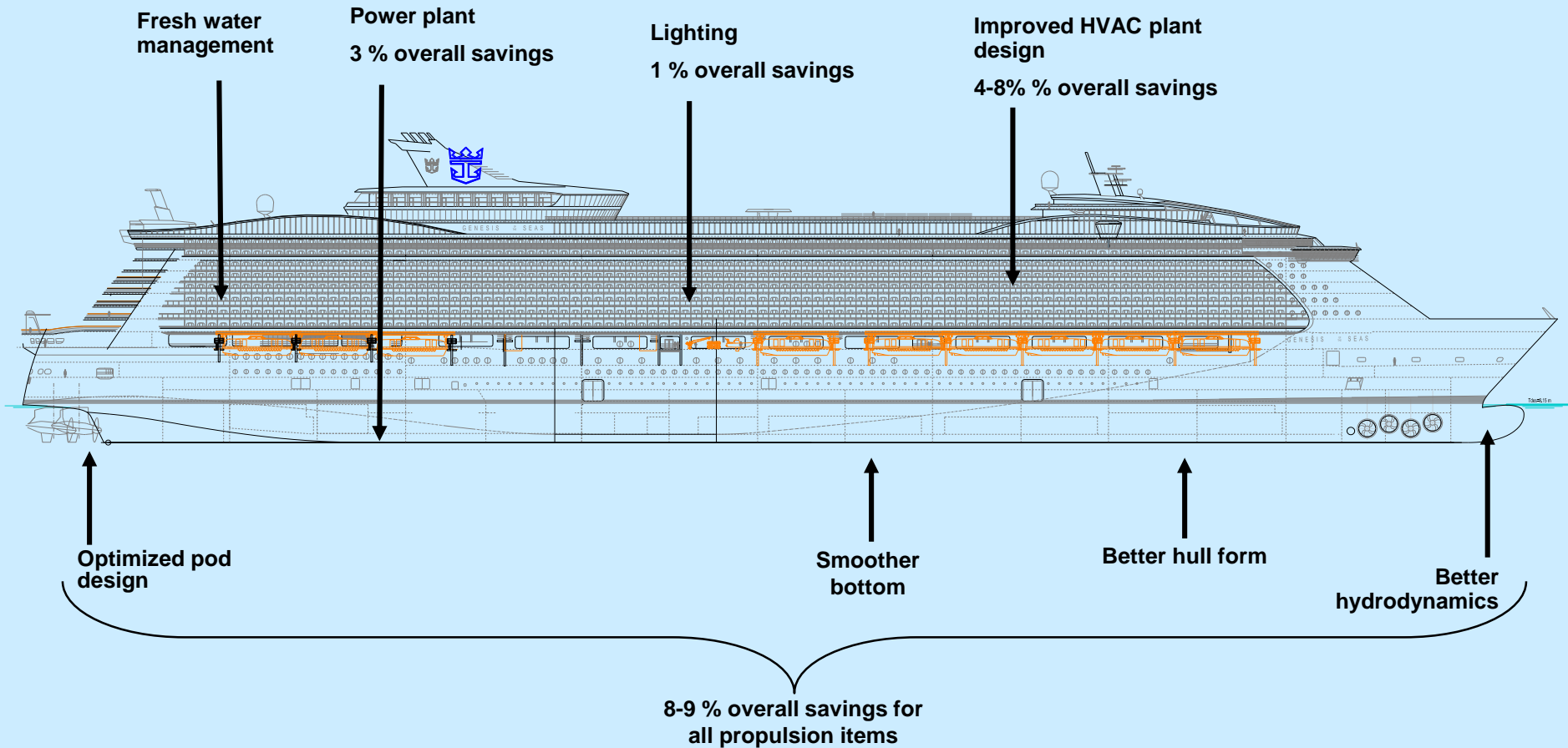
- Royal Caribbean International's *Allure of the Seas*, emits 30 percent less carbon dioxide (CO₂) per person per day than ships built a dozen years ago
- We have reduce our overall greenhouse gas footprint by 20 percent over 2005 levels per available passenger cruise day (APCD*)
 - We reduced fuel consumption by 19 percent
 - We reduced refrigerant consumption by 43 percent
- We've piloted two exhaust gas scrubber installations, initiated full ship installations on 6 ships, and are developing plans for more.



*APCD refers to the number of lower berths on a ship times the number of days those berths are available to passengers per year.



Environmental Stewardship at Royal Caribbean Cruises Ltd.



Energy savings for Oasis Class compared to ships built 10 years ago is 16-25%



(Total of 81kW from 1400m² of panels)

Wind Turbine Trial





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Water & Wastewater

- Installed additional oily bilge water discharge protection systems fleetwide
 - Ensuring effluent quality is more than 3 times the international standards (RCL average ~ 1.5 ppm)
- Installation of Advanced Wastewater Purification (AWP) Systems fleetwide
 - As of 2013, 31 of our ships were equipped with AWP systems
 - All new build ships going forward
- We consume 20 to 50 gallons less of freshwater per person per day on our ships than the average person in the U.S.
 - Produce more potable water with ship systems while reducing the energy consumed to produce it.





Environmental Stewardship at Royal Caribbean Cruises Ltd.

Waste & Chemical Management

- In 2013, we recycled and reused more than 27.8 million pounds of materials, an increase of 14.9 million pounds, or 116 percent over 2007 levels
 - (original 50% increase 2015 goal was met in 2010 – new goal 125%)
- Reduced the waste landed ashore from our ships to 0.91 pounds per APCD*, a reduction of 58 percent from 2007 levels
 - (original 2015 goal of 50% reduction was met in 2011 – new goal 70%)
- Reducing chemicals of environmental concern by using a “Green Rating” System
 - (0 to 100% - based on intrinsic factors, use factors, and source of ingredients)



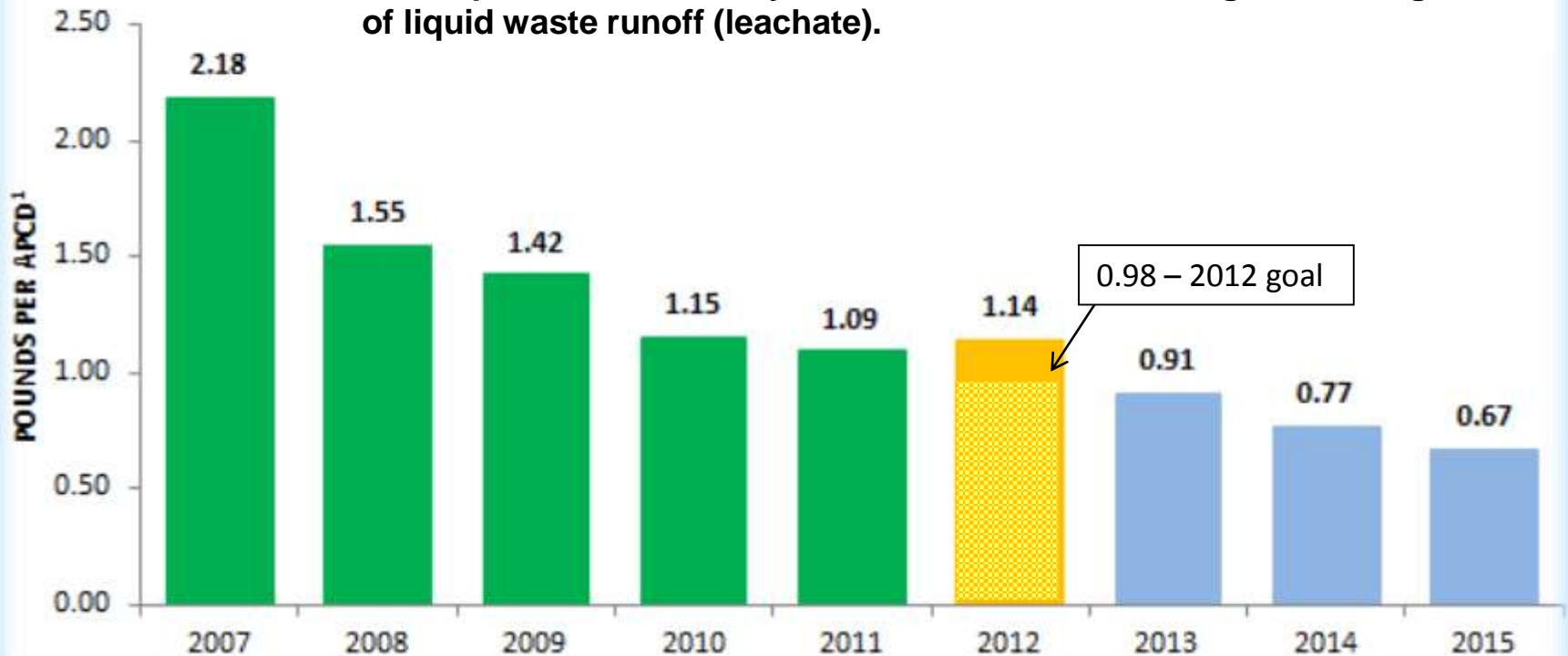
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Environmental Stewardship at Royal Caribbean Cruises Ltd.

Waste to Landfill

Traditional Landfill: secure area for disposal of waste materials by decomposition - with daily burial and basic monitoring and management of liquid waste runoff (leachate).



¹ APCD refers to the number of lower berths on a ship times the number of days those berths are available to passengers per year.



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“Zero Landfill” Cruise Ship ?

- Waste is sorted and offloaded to vendor’s facility for maximum recycling; materials that cannot be recycled are sent to waste-to-energy facilities thereby avoiding landfill altogether
- Goal for 2013 was to have two ships OA & AL diverting 100% of their non-hazardous operational waste from traditional landfill.
 - Completed in June
 - At a savings over the previous year’s operations
- By end of 2013 we had 12 ships re-purposing (reducing, reusing/donating, recycling, or waste-to-energy) 100% of their offloaded non-hazardous waste.
 - 7 ships operating from Florida ports were re-purposing 100% of all waste (hazardous and non-hazardous).



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Education

- Environmental Officers train all crew members on our Save The Waves® program
- Crew members are encouraged to explain the concept and importance of Save The Waves® to our guests
- In 2010, Celebrity Cruises launch the Oceans Ahead program onboard, and Royal Caribbean International their own version of the program in 2011.
- Our long-term vision for 2015 is to reach 80 percent of our guests, 100 percent of our crew and staff, and 100 percent of key people in our destinations





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Destinations

- Sustainable Shore Excursions Standard
 - Sustainable Tourism Education Program (STEP) - Sustainable Travel International (STI)
 - Certify 50 percent of tours offered by our shore excursion providers and RCL Private destinations by 2015
- Global Sustainable Tourism Criteria for Destinations
 - Sustainable Destination Alliance for the Americas (SDAA) – launched March 27
 - *Organization of American States (OAS), STI, RCL, US Government*
 - *Criteria and tools to evaluate destination sustainability, key performance metrics, and planning for improvement.*
 - *Starting with 7 destinations and expanding to 30 in next few years*
 - www.destinationsfortomorrow.com

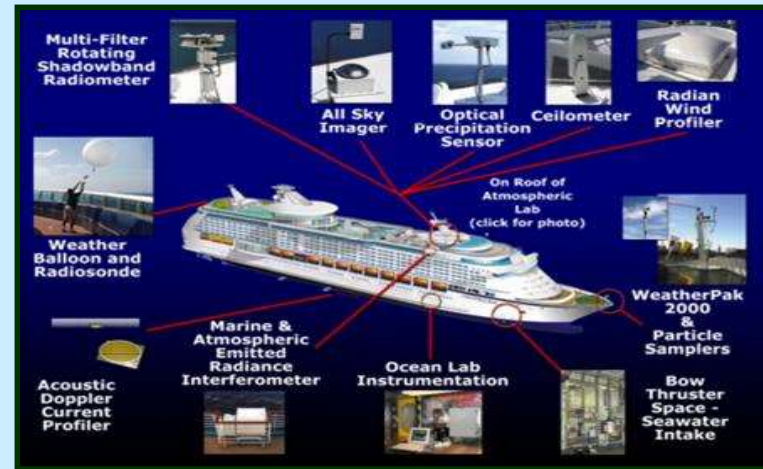




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Partnerships & Initiatives

- University of Miami's Rosenstiel School of Marine and Atmospheric Science & Explorer of the Seas
 - Expanded to Allure of the Seas and soon to be on a the Celebrity Equinox.



- The Inter-American Committee on Ports (CIP) – the advisory body of the OAS in the port sector.
 - Technical Advisory Group (TAG) – Sustainable Port Management and Environmental Protection (Chaired by Venezuela).
 - Port's Environmental Profile and defining what it means to be a sustainable port.



Communicating Environmental Stewardship

2008 STEWARDSHIP REPORT

2009 STEWARDSHIP REPORT

2010 STEWARDSHIP REPORT

Royal Caribbean Cruises Ltd. 2011 STEWARDSHIP REPORT

At Royal Caribbean Cruises Ltd., safeguarding the world's oceans and the destinations in which we operate, and protecting the health and well-being of our guests and crew members are of paramount importance. This commitment is outlined in our stewardship strategy document, "RCL's Approach to Sound Stewardship," which can be found at www.royalcaribbean.com/environment, www.royalcaribbean.com/environment, and www.azamara.com/royalcaribbean.com/about-us/stewardship-program.

The following pages offer updates on our recent performance, progress and activities in nine important areas of stewardship: energy and air emissions; water and wastewater; waste and chemical management; conservation, destinations and education; community involvement; safety and security; medical operations; public health and human resources for our Azamara Club Cruises, Celebrity Cruises and Royal Caribbean International ships. On their own, these individual updates provide a snapshot of where we are at this moment in time on individual issues. Combined with the stewardship strategy document, they provide an up-to-date look at our broader stewardship commitment.

MAJOR MILESTONES

- 1968** Royal Caribbean International is founded.
- 1970** We introduce the first ship built for warm weather cruising, Song of Norway.
- 1982** Royal Caribbean Cruise Ltd. is incorporated on July 23.
- 1986** We launch the world's first "flagship," Sovereign of the Seas, which boasts the world's largest Centrum atrium theater, opening the door to the future of mobile ports.
- 1991** Royal Caribbean Cruise Ltd. is listed publicly on NYSE on the New York Stock Exchange.
- 1992-1999** We introduce the "Ship of Lights," an award in Royal Caribbean International's Vision that honors an extraordinary captain or officer — named for stars of windows — bringing unique light into the ship.
- 1993-1997** The company goes private and introduces, with the acquisition of the first ship Celebrity, its new fleet featuring Celebrity Century, Celebrity Galaxy and Celebrity Mercury, built in 1993, 1995 and 1997.
- 1999-2001** Royal Caribbean International launches Voyager of the Seas and four sister ships, the most elegant cruise ships in the world, with over 2,000 staterooms, 1200 guests. These ships feature six sailing and dining venues and historical exhibits.

About Royal Caribbean Cruises

Royal Caribbean Cruises Ltd. 2012 STEWARDSHIP REPORT

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OUR APPROACH TO SOUND STEWARDSHIP

Royal Caribbean Cruises Ltd.





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