



# DISNEY CRUISE LINE Environmental Overview

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*Native species, such as stingrays, enjoy the waters of Disney's private island, Castaway Cay.*



*Environmental Officers aboard Disney ships are responsible for monitoring water quality, in addition to other duties.*



*Disney Cruise Line crew members are careful to sort recyclables into waste receptacles.*

At Disney Cruise Line, we are dedicated to minimizing our impact on the environment through efforts focused on utilizing new technologies, increasing fuel efficiency, minimizing waste and promoting conservation worldwide. We strive to instill positive environmental stewardship in our cast and crew members, and seek to inspire others through programs that engage our guests and the communities in our ports of call.



## Environmental Officers

All *Disney Cruise Line* ships have dedicated Environmental Officers who are ranked among the most senior leaders onboard.

- **Highly Specialized Expertise:** Our Environmental Officers possess previous maritime experience and specialized training in environmental regulations and systems.
- **Responsibilities:** These leaders oversee multiple environmental programs, including all shipboard recycling and sanitation efforts, monitoring the ship's overall water quality and supply, and training all other officers and crew members on waste minimization and environmental safety programs.

## Waste Minimization

Great care is taken onboard all Disney ships to reduce waste and conserve resources whenever possible.

- **Recycling:** Shipboard recycling processes help to eliminate more than 405 tons of metals, glass, plastic and paper from traditional waste streams each year.
- **Condensation:** Naturally occurring condensation from the ships' onboard air-conditioning units is recycled to supply fresh water for onboard laundry facilities and for cleaning the outer decks of the ships, saving tons of fresh water each day.
- **Reducing Plastic Bags:** All guest staterooms feature reusable cotton bags instead of plastic, effectively removing more than 20,000 plastic bags from the waste stream to date.

## By the Numbers...

*The environmental programs of Disney Cruise Line have:*

- eliminated more than **4,600 tons** of metals, glass, plastic and paper from traditional waste streams through recycling
- removed **31,000 lbs.** of trash and debris from beaches and waterways
- removed more than **20,000 plastic bags** from the waste stream by featuring reusable cotton laundry bags
- conserved **tons of fresh water each day** by reclaiming naturally occurring condensation
- inspired more than **3,100 children** in the Cayman Islands through participation in programs like Disney Planet Challenge



*Our innovative hull coating is both 100 percent non-toxic and effective in increasing fuel efficiency by reducing surface resistance in open water.*



*All Disney Cruise Line ships are equipped with Advanced Wastewater Purification Systems.*



*Loggerhead sea turtles are protected on Castaway Cay.*



*Disney researchers are transplanting long-spined sea urchins in order to restore the health of coral reefs.*

## Fuel Efficiency & Energy Conservation

Onboard our ships, efforts are taken to help increase the efficient use of fuel and energy, including:

- **Ship Hull Coating:** Disney Cruise Line made history as the first cruise line to utilize an innovative hull coating on its ships that is both 100 percent non-toxic and effective in increasing fuel efficiency by reducing surface resistance in open water.
- **Evaporators:** Excess heat from power generators is used to run evaporators transforming tons of sea water into potable water onboard each of our ships, every day.
- **Biofuel:** On Disney's private island, Castaway Cay, an innovative recycling program utilizes used cooking oil from galleys onboard Disney ships to create a biodiesel mix to power heavy machinery, helping to reduce waste.
- **Additional Efforts:** Disney Cruise Line increases fuel and energy efficiency by reducing excess shipboard weight, automating onboard air conditioning systems for optimum use, replacing light fixtures with more energy-efficient bulbs, turning off lights when they are not needed and encouraging guests to reuse bath towels, conserving both energy and water.

## Water Purification

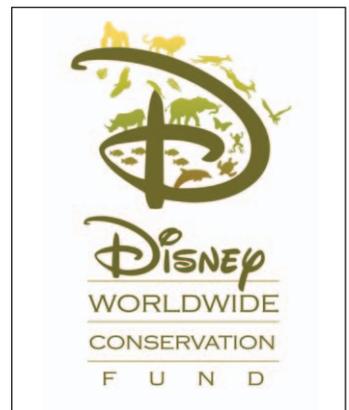
Since water is a precious natural resource, Disney Cruise Line has invested in technology to ensure water purity and taken steps to select earth-friendly cleaners.

- **Advanced Wastewater Purification Systems:** All *Disney Cruise Line* ships feature Advanced Wastewater Purification Systems (AWPS) that utilize natural processes to treat and purify onboard wastewater to levels far exceeding international shipping standards.
- **Organic Cleaning Products:** Crew members use biodegradable and organic cleaning products wherever possible, avoiding potentially harmful phosphates and other chemicals associated with traditional cleaners.

## Conservation & Wildlife

Onboard our ships and off, Disney Cruise Line strives to promote wildlife conservation and the protection of native animal species in our ports of call and around the world.

- **Disney Worldwide Conservation Fund:** Guests can join Disney Cruise Line in supporting the Disney Worldwide Conservation Fund (DWCF), a global awards program supporting the study and protection of the world's wildlife and ecosystems, as well as the promotion of community based conservation efforts around the globe. Supported through guest contributions matched by The Walt Disney Company, DWCF has distributed more than \$15 million in total donations, supporting more than 850 wildlife projects in 110 countries worldwide. Read more at [www.disney.com/conservation](http://www.disney.com/conservation).





Families can learn about stingrays during hands-on experiences.



Brenda Song from the Disney Channel hosts "Behind the Waves," a unique video taking a backstage look at the environmental efforts at Disney Cruise Line.



Guests on Castaway Cay participate in a Port Adventure that fosters an appreciation of the natural habitat.



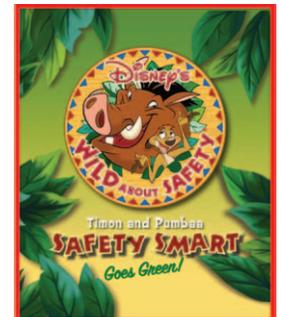
Local Bahamian schools use Disney Cruise Line activity booklets to learn more about native species.

- **Disney's Animal Programs:** This internal department of animal care experts and researchers works to uphold high standards of animal care, professionalism, ethics, conservation and education. Disney Cruise Line partners with this team to monitor and review all shore excursions featuring animal experiences, oversee educational excursions highlighting native animals and conduct research on Disney's private island, Castaway Cay.
- **Coral Reef Restoration:** Researchers at Castaway Cay are currently engaged in a multi-year project focused on restoring the health of coral reefs through the study of transplanted long-spined sea urchins native to the area.
- **Castaway Ray's Stingray Adventure:** Guests visiting Castaway Cay in The Bahamas can take part in a hands-on training experience with live stingrays during a 60-minute, instructor-led educational program created through partnerships with animal care experts from Disney's Animal Programs.
- **Sea Turtle Protection:** Crew members partner with experts from Disney's Animal Programs to protect and monitor loggerhead sea turtle nests on Castaway Cay. Their efforts have helped protect this endangered species.
- **Whale-Watching Networks:** Navigational crew onboard Disney ships participate in whale-watching networks to spot and report endangered right whales that use the Florida coast as a nursery to protect their young every spring and summer.

## Inspiration & Education

Onboard *Disney Cruise Line* ships, efforts to share our environmental programs and educate others have become an integral part of the company's goal to inspire both children and adults to take environmental action in their own everyday lives.

- **"Behind the Waves":** All guests sailing with Disney Cruise Line can take an exclusive backstage look at the company's environmental efforts on land and at sea through a unique onboard video, "Behind the Waves," hosted by Brenda Song from the Disney Channel. To view the video, visit <http://Environment.DisneyCruiseNews.com>.
- **Youth Activities:** Onboard our ships, youth activity programs feature focused educational activities that promote the conservation of endangered species and learning about mankind's own impact on the environment.
- **"Safety Smart Goes Green":** Pumbaa and Timon from "The Lion King" help to inspire responsible environmental action by showcasing small steps everyone can take to make a difference for the environment in their everyday lives. Guests have the opportunity to view and take part in the program each sailing through scheduled airings and special children's activities.
- **Bahamas Educational Partnerships:** Disney Cruise Line created an activity booklet titled "Cruisin' the Big Blue: Discovering the Sea Life of the Bahamas," with Friends of the Environment, a leading environmental group in The Bahamas, to inspire youth to learn more about protecting native species and ecology. Supported by the Bahamas National Trust and the Ministry of Education, the booklet is currently in use by local schools and educational programs across the region.
- **Summer Eco-Camps:** Disney Cruise Line sponsors and provides guidance for summer eco-camps in ports of call across The Bahamas and U.S. Virgin Islands.





Children in Disney Cruise Line ports of call take part in environmental education programs, such as Disney Planet Challenge.



Disney VolunteARS clear trash from the Brevard County coastline as part of the International Coastal Cleanup.



Construction materials, such as flooring and carpet, are made from sustainable, organic and recyclable alternatives.

## Community Outreach

Disney Cruise Line supports efforts in the local port communities visited by Disney ships, as well as efforts located near our home port in Central Florida.

- Disney Planet Challenge:** Disney Planet Challenge, developed in partnership with local educational and environmental groups, educates and inspires students to take an active role in protecting their environment. Students around the world, from all 50 states in the U.S. to Hong Kong have participated. Disney Cruise Line brought the Disney Planet Challenge to students in the Cayman Islands starting in 2003. Learn more at <http://www.disney.com/planetchallenge>.



- Community Service:** As part of an ongoing effort, cast and crew members donated more than 4,400 hours of service to benefit 13 local communities across Central Florida, The Bahamas and the Caribbean in 2009. Their efforts included giving back to local nonprofits, hosting annual walks to raise funds and awareness for conservation programs, and even leading ongoing shore cleanups, that to date have removed 31,000 pounds of trash and debris from beaches and fragile waterways. For more information, please visit <http://community.disneycruiseline.com>.

## New Build

Our ongoing commitment to positive environmental stewardship continues with the design and construction of Disney's two new ships, Disney Dream and Disney Fantasy, scheduled to come online in 2011 and 2012, respectively. Together with the Meyer Werft shipyard, of Papenburg, Germany, Disney Cruise Line is taking steps to ensure these ships are being built in an environmentally conscious way.



- Sustainable Operations:** Disney Cruise Line is dedicated to using ship building processes that are both environmentally responsible and an efficient use of resources.
- Improved Hydrodynamics:** The design of the new ships enables them to function more hydrodynamically, with optimized propulsion systems for increased efficiency.
- Environmentally Responsible Flooring:** Responsible construction methods have also been utilized in sourcing flooring and carpet made from sustainable, organic and recyclable alternatives.