



# DISNEY CRUISE LINE Environmental Overview

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*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.*



*Each week, more than 1,000 gallons of used cooking oil is offloaded and recycled.*

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 on board.

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

## 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 600 tons of metals, glass, plastic and paper from traditional waste streams each year. Each stateroom on all four Disney Cruise Line ships contains a recycling bin for plastic, paper and aluminum.
- **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 more than 30 million gallons of fresh water each year.
- **Cooking Oil:** Each week, more than 1,000 gallons of used cooking oil are offloaded and recycled. One hundred percent of the offloaded cooking oil is recycled in ports of call around the world, including Vancouver, Miami and Port Canaveral. Furthermore, Disney Cruise Line enjoys a partnership with Bahamas Waste Management in Nassau to convert the offloaded cooking oil into biodiesel fuel to power a fleet of local vehicles.

## By the Numbers...

*To date, the environmental programs of Disney Cruise Line have:*

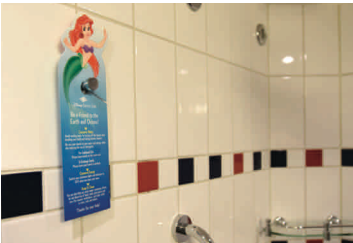
- eliminated more than **6,400 tons** of metals, glass, plastic and paper from traditional waste streams through recycling.
- removed **31,000 pounds** of trash and debris from beaches and waterways.
- inspired more than **7,200 children** in The Bahamas and the Cayman Islands through participation in environmental educational programs.



*The design of the ships' bulbous, along with an innovative, 100 percent non-toxic hull coating, are both effective at reducing resistance in the open water and increasing fuel efficiency.*



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



*Guests are encouraged to get involved in conserving water and energy.*



*Condensation from the ships' onboard air conditioning units is recycled to supply fresh water and used to clean the outer decks of the ships.*

## Fuel Efficiency & Energy Conservation

Aboard 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.
- **Water Production:** Excess heat from power generators is used to run evaporators, which, combined with other shipboard initiatives, transform approximately 142,000 gallons of seawater into potable water on board each of our ships every day.
- **Improved Hydrodynamics:** Disney Cruise Line designed the Disney Dream and Disney Fantasy to function more hydrodynamically, with optimized propulsion systems for increased efficiency.
- **Shore Power:** Three Disney Cruise Line ships are equipped to plug into shore power, when available.
- **Fuel:** On January 1, 2015 the North American Emission Control Area (ECA) requirement to use 0.1% low sulfur fuel went into effect. All Disney ships comply with the ECA by using 0.1% low sulfur fuel in areas where required.
- **Additional Efforts:** Disney Cruise Line increases fuel and energy efficiency by automating onboard air conditioning systems for optimum use in both guest and backstage areas, turning off lights when they are not needed and encouraging guests and crew to reuse bath towels, conserving both energy and water. Furthermore, Disney Cruise Line is in the process of converting all four ships to energy-efficient lighting.

## 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.

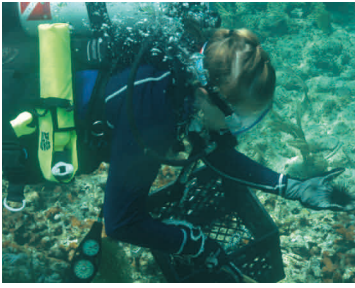
- **Advanced Wastewater Purification Systems:** All Disney Cruise Line ships feature Advanced Wastewater Purification Systems (AWPS) that utilize natural processes to treat and purify onboard wastewater to levels far exceeding international shipping standards.
- **Environmentally Friendly Cleaning Products:**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

## Conservation & Wildlife

On board 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 Conservation Fund:** Guests can join Disney Cruise Line in supporting the Disney Conservation Fund (DCF), 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, DCF has distributed more than \$30 million in total donations since 1995. Read more at [www.disney.com/conservation](http://www.disney.com/conservation).





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



Disney Cruise Line complies with all water and air quality standards.



Families can learn about stingrays during hands-on experiences.



Guests on Castaway Cay participate in Port Adventures that foster an appreciation of the natural habitat.

- **Disney’s Animals, Science and Environment Team:** 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 Port Adventures 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 Animals, Science and Environment Team.
- **Sea Turtle Protection:** Crew members partner with experts from Disney’s Animals, Science and Environment Team to protect and monitor loggerhead sea turtle nests on Castaway Cay. Their efforts have helped protect this endangered species.
- **Whale-Watching Networks:** Disney Cruise Line voluntarily participates in a program to record sightings of humpback whales off the coast of Alaska for the National Oceanic and Atmospheric Administration (NOAA) during summer sailings.
- **Avoidance with marine mammal or other marine life:** Disney Cruise Line is dedicated to avoiding interactions with marine life. We comply with voluntary seasonal shipping lane changes, voluntary reporting and ship speed reductions. Prior to each season in Alaska, we also conduct marine life avoidance refresher training for our captains and first officers to help them with recognizing whale types, their behavior, and migratory patterns, which is the first step in avoiding interactions.
- **Sustainability:** Disney Cruise Line is working towards sustainability by selecting more seafood from wild or farmed sources that do not compromise the well-being of our oceans.

## Inspiration & Education

On 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 everyday lives.

- **Youth Activities:** Onboard 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”:** Timon and Pumbaa 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.
- **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. The camps focus on local biodiversity and habitats and provide children with information about conservation and recycling.





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



Disney VolunTEARS clear trash from the Brevard County coastline as part of regular beach cleanups.



The vast majority of Disney's private island, Castaway Cay, remains in an undeveloped, preserved state.



Disney Cruise Line utilizes solar power on Castaway Cay to heat water for crew areas.

## 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.

- **Bahamian Partnerships:** Disney Cruise Line partnered with Disney's Animals, Science and Environment Team, The Bahamas Ministry of Education, and Friends of the Environment, a leading environmental group in The Bahamas, to develop an environmental activity book designed to integrate marine conservation themes into the current Bahamian science curriculum. Supported by The Bahamas National Trust and the Ministry of Education, the book has been distributed to more than 1,500 children in public and private primary schools across the Abaco Islands in The Bahamas since its development in 2010.
- **Community Service:** As part of an ongoing effort, cast and crew members donate their time to benefit 40 port communities in 2014. 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 more than 31,000 pounds of trash and debris from beaches and fragile waterways.

## Environmental Efforts at Castaway Cay

Disney's private island, Castaway Cay, is a 1,000+ acre island located in The Bahamas along the Abacos chain. The vast majority of the island's acreage remains undeveloped and in a preserved state.

Guest activities impact only a small area of the island, and even there, guests are encouraged to "take only memories, leave only footprints."

Among its many attributes, the island features a secluded one-mile beach, a natural lagoon and natural protection for ship docking.

- **Solar Power:** Disney Cruise Line utilizes solar power on Castaway Cay to heat water for crew areas.
- **Island Restoration:** Disney restores the island's original ground cover by bringing in plant varieties native to the island to create an authentically natural habitat for guests to explore.



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