

# NEWS RELEASE



CRUISE  
LIKE A  
NORWEGIAN

## NORWEGIAN CRUISE LINE EMBRACES THE ENVIRONMENT AS A CORE VALUE

# ECO-SMART CRUISING

PROTECTING THE FUTURE OF OUR OCEANS

*Company demonstrates commitment through its Eco-Smart Cruising program*

Norwegian Cruise Line introduced the Eco-Smart Cruising program to help preserve the oceans and to be an environmental steward, fulfilling its core company value of Environmental Protection.

As part of Eco-Smart Cruising, Norwegian's Safety and Environmental Protection Policy establishes several objectives relating to the environment, which include preventing accidents and incidents regarding pollution of the environment, reducing the impact of its operations on the environment, disposing garbage and waste materials in accordance with national and international rules and regulations, recycling and re-using materials and establishing specific objectives and targets for continual improvement of environmental management programs. Norwegian is also accredited to the international ISO 14001 standard for Environmental Management Systems. This prestigious achievement recognizes that Norwegian utilizes a core set of standards for an effective environmental management system that reduces its environmental impact and increases its operating efficiency.

Norwegian has implemented many of the most innovative policies and technologies in the cruise industry. As such, it meets or exceeds all international, US, State and local port regulations, including those set by MARPOL, the U.S. Coast Guard (USCG) and the U.S. Environmental Protection Agency (EPA).

Norwegian strives to process and land ashore nearly all solid waste materials produced aboard. Aggressive sorting and processing of solid waste aboard has led to recycling rates of over 30 percent of materials. Incineration of burnable materials, when permitted, greatly reduces the volume for landing. The only solid waste discharged to sea is food waste, which is

considered biodegradable and results in zero impact on the ocean environment. Every Norwegian ship is equipped with an advanced wastewater treatment system that treats all wastewater to standards rivaling that of the best shore side treatment plants. This treated water is then safely discharged at sea or in accordance with local and regional regulations applicable to a specific itinerary. Cooking oil is recycled in nearly every port. While in most ports it is provided to commercial vendors, in the Port of Miami, it has been collected for many years by a local farmer, who converts it to bio-diesel fuel for use on several organic farms in the area.

Norwegian ships are equipped with the latest emulsion-breaking oily water separators, which perform a multi-step process to ensure that only clean water, exceeding regulatory requirements, is discharged to the sea. Discharges are led through a comprehensive monitoring and recording system to ensure that the treated water exceeds all standards. Norwegian ships also use low sulfur fuels in environmentally sensitive areas throughout the world to lessen the impact of harmful air emissions. Numerous other programs, including use of fuel-water emulsion systems, low power lighting, automatic air conditioning systems, power management automation and optimized voyage routing software help to reduce fuel consumption and air emissions.

Norwegian's newest ship, Norwegian Breakaway, includes all of the same features as previous ships, plus some very innovative and state of the art environmental systems, including a second generation ballast water treatment system, innovative equipment to recover reusable fuel oil from waste fuel oil (thereby reducing the oil footprint), the use of the latest generation of silicon-based antifouling paint on the ship's hull to reduce friction, heat recovery and galley management systems to reduce energy consumption, as well as the latest generation of azipod propulsion units, smaller, more streamlined and much more efficient than the earlier versions. All of these features make Norwegian Breakaway one of the most energy efficient cruise ships ever built. Norwegian Getaway, Norwegian Breakaway's sister ship that begins sailing in February 2014, will match Norwegian Breakaway in its environmentally efficient features.

Norwegian's Breakaway Plus class ships will be the first new builds in the cruise industry to feature innovative scrubber technology developed by Green Tech Marine (GTM), a world leading marine scrubber supplier. GTM uses one smaller scrubber for each engine instead of a large multi inlet scrubber serving several engines. The GTM-R scrubbers hold all necessary certificates to ensure these vessels are compliant with the 0.1% sulphur limit in Emission Control Areas (ECA) beginning in 2015. By using this green technology, the new Breakaway Plus vessels will be as eco-friendly as possible.

To further the company's commitment to environmental stewardship, Norwegian Cruise Line announced today that the line will make a significant investment in the installation of 28 scrubbers on six ships in the line's fleet. The company has contracted with Green Tech Marine for the outfitting of the scrubbers on Norwegian Breakaway, Norwegian Dawn, Norwegian Jewel, Norwegian Gem, Norwegian Pearl and Norwegian Sun. The scrubbers will be installed starting this spring and installation will continue through 2016.

Other recent Eco-Smart Cruising initiatives include: an innovative installation of exhaust gas scrubbers on the Norwegian's Pride of America, designed to reduce the sulfur emissions from the ship's diesel engines; participation since 2008 in the Port of Los Angeles' voluntary speed reduction program to reduce the impact of engine emissions; and the use of lower sulfur fuels in the Venice Port.

Norwegian Cruise Line has a shore side department devoted to environmental protection, and trained environmental officers sail on board every Norwegian ship. The Environmental Officers oversee all of the environmental operations and monitor their performance. All crewmembers receive initial and recurring training. The fleet is audited each year by a team of seasoned safety and environmental experts to ensure compliance to all company policies, as well as US and international regulations and standards.

Norwegian Cruise Line established a partnership with NextEra™ Energy Resources®, North America's largest producer of wind and solar power, in 2011. This partnership continues to provide Norwegian guests an opportunity to help build new renewable energy projects and offset their carbon footprint. This innovative program, a first within the cruise industry, is just one initiative amongst the many environmentally conscious efforts Norwegian is committed to through its award-winning Eco-Smart Cruising practices.

Guests sailing on Norwegian Cruise Line are able to voluntarily contribute \$10 per person, per cruise through NextEra Energy Resources' EarthEra® Renewable Energy Trust via Norwegian's website at [www.ncl.com/environment](http://www.ncl.com/environment). The EarthEra Renewable Energy Trust directs 100 percent of the funds received from Norwegian's North American guests to build new renewable energy facilities across the United States.

Norwegian also has a comprehensive program to educate its guests and encourage everyone to participate in environmental programs. Young cruisers who participate in Splash Academy and Entourage can learn about the importance of clean water through the innovative Officer Snook Water Pollution Program. They learn about the effects and prevention of marine pollution with activities that include a simulated beach cleanup and an environmental poster

contest. High school students can earn between one and five hours of community service for participating in the program.

### **Environmental Accolades**

The United States Coast Guard awarded Norwegian the 2010 Gold William M. Benkert Marine Environmental Protection Award in the foreign vessel category. This biennial award was created to recognize outstanding achievements in marine environmental protection that go beyond mere compliance with industrial and regulatory standards. This was the first time a major cruise line has been awarded the Gold Benkert award.

Norwegian's installation project of exhaust gas scrubbers on Pride of America was granted a special R&D status by the US Coast Guard and Environmental Protection Agency for its groundbreaking potential.

Norwegian's vessels have received numerous local awards and recognitions for the cruise line's participation in environmental programs. Norwegian ships have been honored by the Port of San Francisco for programs that reduce air and water pollution. The Port of Seattle has issued certificates to several Norwegian vessels in recognition of their voluntary use of low-sulfur MGO fuel as part of the Port's At-Berth Clean Fuels program, which launched in 2009. In 2010, Norwegian received one of the first ever Gold Level Green Gateway Awards from the Port of Seattle, which recognizes the comprehensive environmental achievements of the Port's cruise and containership operators. Norwegian also received the Venice Blue Flag award from the Venice Port Authority in 2008 and 2009.

For more information on Norwegian Cruise Line's environmental commitment, visit [www.ncl.com/environment](http://www.ncl.com/environment).

### **About the EarthEra Renewable Energy Trust**

NextEra™ Energy Resources' EarthEra® Renewable Energy Trust (Trust) is an innovative way for businesses, consumers, local and state governments and universities to participate in the construction of new renewable energy facilities in the United States. NextEra Energy Resources offers environmental products while delivering every dollar generated to the Trust. The Trust has one function: to facilitate the building of wind and solar projects in the United States. An independent trustee, US Bank, and the EarthEra Advisory Board verify that the Trust uses 100 percent of funds to build new renewable energy facilities. NextEra Energy Resources, the largest producer of wind and solar energy in North America, has over 20 years of experience building and operating renewable energy projects. NextEra Energy Resources is

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a subsidiary of NextEra Energy, Inc. (NYSE: NEE). For more information visit:  
www.EarthEra.com, www.NextEraEnergyResources.com, and www.NextEraEnergy.com

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