

The Environment



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Strive to harmonize with the environment for sustainable social development

The Yamaha Motor Group aims to be a company that fulfills its corporate social responsibility by striving to maintain harmony with the environment and society based on the Environmental Plan 2020, formulated in 2010.

Plan for Environmental Activities

Yamaha Motor Group Environmental Plan 2020

	Action Areas	Priority Actions	2020 Targets
Eco Products	Raise environmental attractiveness through product development from the perspectives of the environment and customers	In the Eco Products area, implement the Frontier 2020 Groupwide long-term vision	
		<ul style="list-style-type: none"> • Reduce risks from environmentally hazardous substances • Implement green procurement 	Identify environmentally hazardous substances and support the use of alternatives
Eco Operations	Environmental preservation through global business activities that aim to minimize environmental impact	Reduce emissions of greenhouse gases	Reduce CO ₂ emissions per unit of sales by 1% (annual average)
		<ul style="list-style-type: none"> • Implement the 3 Rs through the 3 Es • Reduce water consumption (3 Es: Easy to make, Easy to repair, Easy to disassemble) (3 Rs: Reduce, Reuse, Recycle)	Support the effective use and recycling of limited resources
Eco Management	Environmental management through reinforcement of Group environmental governance systems	Create and operate Groupwide environmental management systems	Link Groupwide operations with local activities
Eco Mind	Environmental contributions through diverse initiatives that seek to create a sustainable environment	Change attitudes through continuous environmental education	Have all Group employees actively undertake environmental measures with a high awareness of targets
		<ul style="list-style-type: none"> • Improve sensory environments (odors, noise, etc.) • Communicate with local communities • Preserve ecosystems 	Be trusted and respected as a corporate citizen by local communities
		Proactively disclose information from an environmental perspective	Well received by the community as an environmentally advanced company

Organizational Structures for Promoting Environmental Management

Within the Yamaha Motor Group, the Environment Committee is positioned as a central organization in the implementation of domestic and overseas environmental initiatives and receives counsel from Chief General Managers who are responsible for those initiatives. The Committee deliberates on policies and visions for the future concerning environmental initiatives, medium- and long-term environmental policies, strategic investment proposals relating to environmental preservation, environmental monitoring topics and responses to issues, and other key issues relating to environmental management.

Activities to Identify and Reduce Both Direct and Indirect Greenhouse Gas Emissions

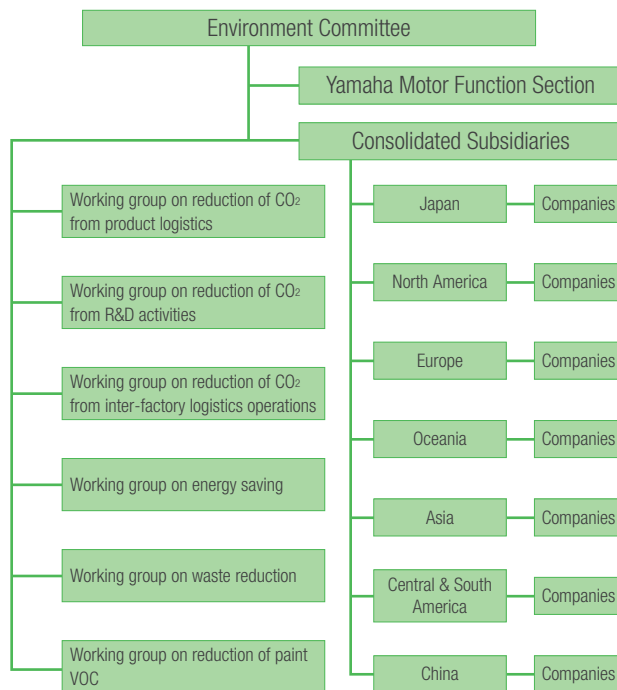
The Yamaha Motor Group is endeavoring to identify greenhouse gas emissions resulting both directly (e.g., from the burning of fuel at factories) and indirectly (e.g., from electricity use at factories and offices) from its corporate activities. The total amount of direct and indirect emissions in 2012 increased slightly from 2011, reflecting increased production volumes. After identifying the amount of emissions by region, each factory and business office takes measures including the installation of energy-saving equipment to further reduce the amount of emissions.

Yamaha Motor Manufacturing West Java (YMMWJ) in Indonesia uses a cogeneration system in which the heat from the exhaust of gas engine generators is used to create steam, and in 2012 this reduced the amount of fuel used by LPG boilers by roughly 60% from the previous year. The three generators operate using a highly efficient "3 by 1" system (three generators and one waste heat recovery boiler), contributing to a stable supply of electricity and a reduction of CO₂ emissions.

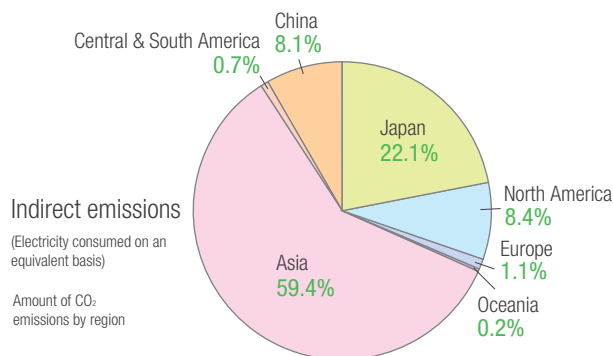
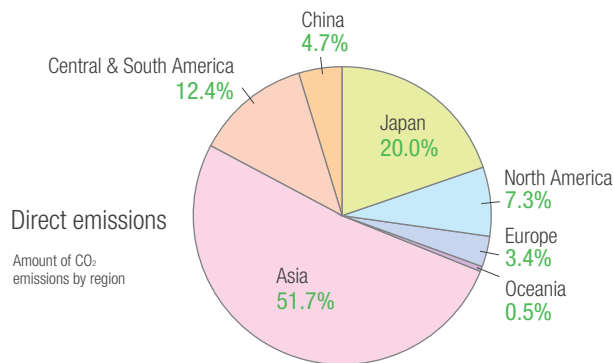


Gas engine generators at YMMWJ
 [Specifications] Gas engine generators
 Three generators with maximum output of 2,735kW
 [Steam used for] resin coating, metal coating, die casting
 [Reduction of CO₂ emissions by LPG fuel reductions] 400t-CO₂/year
 * YMMWJ: PT. Yamaha Motor Manufacturing West Java

The Yamaha Motor Group Organizational Structure for Environmental Planning and Promotion



(As of April 1, 2013)



CO₂ Emissions at the Yamaha Motor Group

As a manufacturer of motorcycles and other transportation machinery, the Yamaha Motor Group is undertaking a number of measures to reduce greenhouse gas emissions, which it considers the most critical environmental issue facing the world today, throughout the entire life cycle of its products, from development through to manufacturing, use, and final disposal. We set 1% reduction of CO₂ emissions per unit of sales each year as the group's common goal.

We will be working to efficiently reduce greenhouse gas emissions via such means as checking the status of programs targeting the reduction of energy consumption by domestic and overseas Group companies, and providing assistance to those needing to advance their programs.

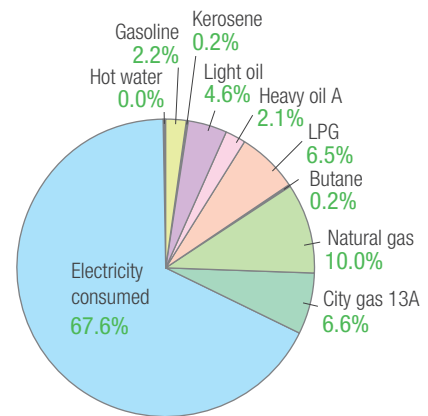
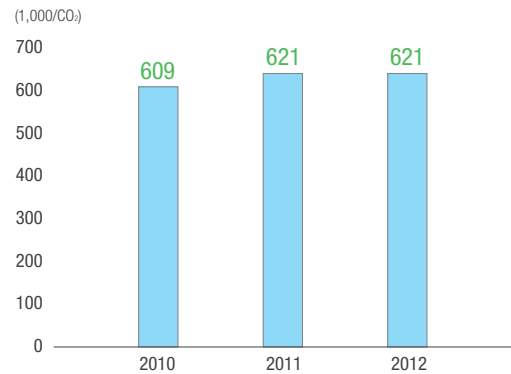
The Yamaha Motor Group's CO₂ emissions in 2012 totaled 621 thousand tons. Going forward, we will work to reduce greenhouse gas emissions effectively, by monitoring efforts to reduce energy usage at Group companies in Japan and overseas, and by providing support to Group companies.

Energy Input at the Yamaha Motor Group

The Yamaha Motor Group endeavors to identify the amount of energy input by type of energy, as a step toward efficiently and effectively conserving energy. The total amount of energy input in 2012 was 11.65 million GJ, with electricity accounting for approximately 68% (7.88 million GJ).

We are systematically implementing various measures to reduce the amount of energy used, including the installation of equipment that makes it possible to analyze and reduce electricity consumption, the introduction of equipment that monitors usage amounts, and the installation of energy-saving equipment at factories, as well as LED lighting in offices.

Yamaha Motor Group CO₂ Emissions



Reducing electricity consumption by replacing from fluorescent light bulbs to LED

Topics

F200F Compact, 4-Stroke Outboard Motor is Lightest in its Class*

Yamaha Motor launched the F200F, a 200-horsepower, 4-stroke outboard motor that incorporates a lightweight, compact design to achieve the lightest weight in its class,* on March 1, 2013.

The F200F uses a newly developed direct action in-line 4 power unit with a displacement of 2,785cc. The lightweight, compact design achieves major reductions of roughly 60kg in weight and 85mm in width compared with Yamaha Motor's previous V6 200-horsepower outboard motor (the F200C). This makes it possible to use the motor on an even wider range of boat types.

In terms of environmental features, the F200F has received the highest rating of three stars by the California Air Resource Board (CARB), which is considered to have the world's strictest air quality standards.



* Based on Yamaha Motor data, compared with other 200-horsepower, 4-stroke outboard motors (as of February 2013)

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Environmental ISO Certification: Beginning to Unify 41 Companies Around the World

Yamaha Motor began work in April 2012 to receive unified certification of the ISO 14001 environmental management system installed at Group companies in Japan and around the world.

Currently, 41 Yamaha Motor Group companies in Japan, Europe, North and South America, ASEAN countries, China, Taiwan, and India have installed the system and have been individually inspected by certification bodies. By unifying this globally at one certification body, we expect to enhance corporate governance through centralized management, raise the level of our environmental activities, and significantly reduce costs through greater efficiency.



Unified certification registration form