Environmental Performance

2020 Environment Initiative Plan

Hino Motors has formulated its 2020 Environment Initiative Plan, comprised of goals and measures to implement over the period covering fiscal 2016 through 2020.

Under the plan, Hino Motors intends to carry out environmental management and measures to help promote low-carbon and recycling-oriented societies as priority tasks over the medium term, based on considerations of social trends and its main policies, including the Hino Credo and its CSR Policy.

As a manufacturer of commercial vehicles which supporting people's lives, Hino Motors hopes to help society develop more sustainably by supplying vehicles that it has designed with the environment in mind over the entire product lifecycle.

🖹 Special Feature : Aiming to be a Company that Can Help Society Develop Sustainably ~Hino Motors Establishes its 2020 Environment Initiative Plan~

2020 Environment Initiative Plan

Designates priority tasks	Field	Item	Specific A	ction Items/T	argets, etc.	
Building Low-carbon Society	Product development		Develop technologies to meet world's top- class fuel efficiency standards			
		Improve CO ₂ emissions and fuel consumption performance of vehicles	 Japan: Develop technologies to improve fuel efficiency to meet next round of regulations Improve the performance of hybrid vehicles United States: Develop technologies for enabling compliance with greenhouse gas emission regulations in 2020 Europe: Develop technologies to improve fuel efficiency to meet next round of regulations 			
		Promote the development of vehicles that run on clean energy	 Conduct R&D on electric vehicles Plug-in hybrid vehicles: Conduct R&D intended for making the technology feasible Fuel cell vehicles: Develop fuel cell vehicles and sell a limited number Electric vehicles: Conduct R&D intended for commercializing electric trucks and buses Conduct research on technologies for enabling the use of alternative fuels Develop technologies that enable a switchover to biofuels and other alternative fuels 			
	Production and logistics	Initiatives for reducing CO ₂ emissions in production activities	Carry out initiatives for reducing CO2emissions on both a total and per- vehicle basis by introduce low-CO2 production technologies, and reduce CO2 through daily improvements • Consider to exploit renewable energy ■ Energy Derived CO2 Region Item FY 2020 Target Global Emissions per unit yield 26% less than FY 2008 Japan Group Emissions per unit yield 24% less than FY 2008 Hino Emissions per unit yield Fiscal 2020 output target X active mass Control emissions of other greenhouse gases besides CO2 Fiscal 2020			
		Make transportation more efficient and reduce CO ₂ emissions in logistics	Promote initiatives to reduce CO2 emissions in logistics by improving efficiency of transportation. • Shorten distribution routes between factories and improve shipping efficiency by using tractor-trailers and increasing transport loading rates • Use more fuel-efficient vehicles • Use more fuel-efficient vehicles • Improve efficiency of vehicle parts shipments Region Item FY 2020 Target Japan Group Emission per unit of transport 26% less than FY 2008 International Set target and promote reduction measures according to the highest standards in each country			
	Sales and after-sales service	Initiatives for reducing CO2 emissions in sales activities	 Create and execute plan to reduce energy consumption per unit by at least 1% per year at Japanese sales offices; Assist customers in reducing CO₂ emissions during driving through ecodriving seminars and other initiatives 			

Designates priority tasks	Field	Item	Specific	Action Iter	ns/Targets,	etc.
Creation of Closed Loop Economy	Product development	Develop technologies that enable elimination of the use of scarce resources	Reduce the amount of precious metals used in exhaust-cutting catalytic converters			
		Develop new vehicles with a higher ratio of recyclable components	Initiatives to create assembled structures that are easy to disassemble			
	Production and logistics	Reduce waste from production and logistics, and use resources effectively	Adopt waste reduction technologies and promote waste reduction in regular improvement activities • Facilitate more effective usage of resource by improving yield rates and managing the sources of waste • Promote the usage of the Hino Motors Group's resource ■ Waste Region Object Item 200 Tail Japan Group waste Final disposal Zero * International Integrate waste reduction performance in management * Definition of Zero: Landfill amount includir ash after incineration is not more than 0.5%, compared with total waste including recyclable.			
		Initiatives for reducing water usage in production activities	Promote activities for reducing water consumption in consideration of water supply conditions in each country and region where the Group operates • Conserve water through actively introduce water-saving technologies and continual improvement • Water usage Region Item FY 2020 Target Japan Water use per Group 40% less than FY 2008 International Integrate water usage reduction performance in management			
		Initiatives for reducing usage of packaging materials and use resources effectively	Reduce usage of packing and shipping materials by making them returnable and more lightweight • Enable use of returnable racks in more countries • Improve methods of packing vehicle parts Packaging Materials Region Item Japan Group Use per unit of shipment volume Japan International Calculate the amount of packaging materials used and expand activities to reduce them			



Designates priority tasks	Field	Item	Specific Action Items/Targets, etc.			
Environmental Conservation & Creation of Society Coexisting in Harmony with Nature	Product development	Reduce gas emissions to help improve urban air quality in each country and region	 Introduce vehicles with lower gas emissions to help improve urban air quality in each country and region Japan: Release vehicles to the market that comply with Japan's 2016 exhaust emission regulations Research and develop new technologies to comply with new exhaust regulations starting in 2016 United States: Bring vehicles to market that comply with US13, and Develop vehicles that comply with US13, and Develop vehicles that comply with U.S. exhaust emission standards effective from 2016 Europe and developed countries: Develop and release vehicles to the market that comply with EURO 6 exhaust emission standardsIn general: Introduce low-emission vehicles (EURO4 or 5 level) 			
		Further reduce the use of environmentally harmful materials	Collect and manage information on increasing regulations in each country where the Group operates, and take the lead in switching to alternative materials			
	Production and logistics	Reduce substances that impact the environment in production activities (VOC)	Promote reduction of VOCs through constant improvement • Reduce the use of painting materials and thinners in vehicle painting work Body Painting Region Item FY 2020 Target Hino VOC Emissions per surface area painted Less than 22 grams of VOCs per square meter of painted surface area International Broaden initiatives for reducing emissions of VOCs Other Paintings Hino Set annual reduction targets on a per-vehicle basis every year Japan/Intl. Integrate VOCs reduction performance in management			
	Social contribution	Implement biodiversity preservation activities locally at factories in every region where the Group operates	 Promote initiatives based on biodiversity guidelines Carry out regular activities in consideration of the unique ecosystems surrounding the factories in each country and region (including forest conservation and protection of local habitats) Undertake environmental conservation initiatives together with local residents and children 			

Designates priority tasks	Field	Item	Specific Action Items/Targets, etc.
Environmental Management	Management	Strengthen and promote group environmental management	Japan/Intel.: Activities to ensure No.1 of environmental performance in each country and region Comply with environmental laws in each country and region, and enhance activities to prevent environmental risk
		Promote environmental activities in collaboration with business partners (Our suppliers)	Suppliers: Compliance with laws by suppliers, and enhance management of substances that impact the environment contained in parts, raw materials, secondary materials, production equipment, etc. Request for environmental performance activities
		Promote environmental activities in collaboration with business partners (Dealers and distributers)	 Sales in Japan: Promote environmental activities by sales companies via each Environmental Management System. Sales outside Japan: Grasping the burden on the environment and act continually to raise awareness of the environment
		Improve global human resources development and training programs	Systematically implement environmental education and awareness training programs for every employee
			Actively disclose environmental information and enhance communication

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