CSR

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Environmental Management

Environment Initiative Plan

2010 Environment Initiative Plan

Frame	Field	No.	Item		Sp	pecific Action Item	ıs/Targ	ets, etc.
	Development	1	Develop and promote next-generation vehicle based on energy diversity	Hyb Indu bus Fue auto <ali Nev on 0</ali 	uctive Pov for commel cell (FC) pmobile ternative I v fuels: Ro GTL(Gas fuels: Res	e (HV): Develop a ver Transfer Systemercialization): Research and developments Fuels> esearch and developments to Liquids) fuel	em (IP:	S): Develop IPS fuel-cell
	& Design	&		Develop technologies to meet world's top-class fuel efficiency standards -Japan: Achieve FY 2015 fuel-efficiency standard -United States: Meet 2014 new standards for fuel efficiency and greenhouse gases in heavy vehicles -Europe: Develop technologies to improve fuel efficiency to meet next round of regulations -China: Consistently meet new fuel-efficiency standards -Other regions: Promote technologies to meet fuel-efficiency regulations				ency standard ndards for fuel n heavy vehicles mprove fuel julations -efficiency
Building a Low-carb on Society	Production & logistics	3	Thoroughly conserve energy and reduce greenhouse gas emissions in production activities	Acti and Cor	duction sy vely Intro reduce C	duce low-CO ₂ pro CO ₂ through daily exploit renewable	oductio improvenergy F 4%	n technologies, rements
		4	Make transportation more efficient and reduce		Promote initiatives to reduce CO ₂ emissions in logistic by improving efficiency of transportation. Region Item FY 2012 Targe Japan Emission per unit of 12% less than F			

			CO ₂ emissions	Group	transp	oort*	2008
			in logistics	International	Set target a	nd promote redu	ction activities
				*Definition of by distance(ki		port": multiply fi	reight(in ton)
	Sales	5	Thoroughly conserve energy and reduce CO ₂ emissions in sales activities	sales office lateral depl Create and	s; thoroughly oyment of ca execute plar	Japanese and conserve ener se studies n to reduce ene at least 1% pe	rgy through
		6	Active communication and contribution to climate change mitigation policies	Japan Busine Manufacturers -Participate framework	ss Federations Association in environme creation	low-carbon son, Japan Auton n, etc. ental policy deb	nobile pate and
	Collaboration with			IT and ITS ted	chnologies	improve transpose	ortation using
	society		Integrated	environmenta	nmentally friendly driving		
		7	CO ₂ reduction initiatives			uel-efficient dri nter at Hamura	-
		,	in road traffic sector (transportation division)	-Provide wo		ales companies	s in Japan and
			(transportation division)	-Expand iss	•	vironmentally fr	iendly driving
				-Develop ve		erform logistics	efficiently, in
Frame	Field	No.	Item	Sp	ecific Action	Items/Targets,	etc.
	Development & design	8	Further promote recycling design with awareness of effective use of resources	to disassembl	е	bled structures	,
				Reduce disch Reduce waste company Encourage us	arges at source by encourage	Final Disposal>rce, e.g. by impging reuse withematerials with	roving yields in the
				Reduce disch Reduce waste company	arges at source by encourage	rce, e.g. by impging reuse with materials with	roving yields in the
				Reduce disch Reduce waste company Encourage us Zero final disp Region	arges at soule by encourage of valuable bosal to landf	rce, e.g. by impging reuse with e materials with ill	oroving yields in the in Hino Group
				Reduce disch Reduce waste company Encourage us Zero final disp Region	arges at source by encourage of valuable cosal to landf Object Discharges	rce, e.g. by impging reuse with materials with ill Item Generated	oroving yields in the in Hino Group FY 2012 Target 16% less than FY 2008
				Reduce disch Reduce waste company Encourage us Zero final disp Region	arges at source by encourage of valuable bosal to landf Object Discharges *1 Final	rce, e.g. by impging reuse with materials with ill Item Generated per unit yield	roving yields in the in Hino Group FY 2012 Target 16% less than FY 2008 0 *2 and promote

nomy					f returnable racks for			
				Region	Item	FY 2012 Target		
				Japan Group	Use per unit of shipment volume	34% less than FY 2008		
Environmental Conservation & Creation of Society Coexisting in Harmony with Nature				International	Set target and promot	te reduction activities		
				<water usage=""> Actively introduce water-saving technologies Conserve water through continual improvement</water>				
				Region	Item	FY 2012 Target		
				Japan Group	Water use per unit yield	18% less than FY 2008		
				International	Set target and promot	te reduction activities		
	Sales & recycling	10	Enhance global promotion of effective use of resources	Develop tools and offer information globally on efficient disassembly methods Promote initiatives within group to expand use of used parts				
			Promote global compliance with automobile recycling laws	Japan: Maintain top recycling level, and respond appropriately to revisions to law China & emerging economies: Respond appropriately to regulations of each country				
	Development & design	11	Reduce gas emissions to help improve urban air quality in each country and region Expand and enhance management of chemicals contained in products	Introduce vehicles with lower gas emissions to help improve urban air quality in each country and region -Japan: Continue to bring vehicles to market that comply with Post New Long-term Regulations Research and develop new technologies to comply with new exhaust regulations starting in 2016 -United States: Bring vehicles to market that comply with US10 -Europe: Research, development, and compliance with new EURO6 regulations -China: Promote introduction of EURO5 level -In general: Introduce low-emission vehicles (EURO3 or 4 level) Promote global management of chemicals in products -Thoroughly manage multiple chemical substances contained in products -Develop technologies to substitute substances with lower environmental impact, and promote substitution				
	Production	Reduce substances that impact the environment in production activities		processes, et	c. ction of VOCs through	FY 2012 Target Not more than 24 g/m² d (Average for all lines)		
					Hino	Surface area painte Activities to reduce VC		

				Other Paintings			
				Japan/Intl.	Activities to reduce VOC emissions		
	Collaboration with society	14	Commitment to biodiversity Promote contributions to society that help create society coexisting in harmony with nature	Give consideration to local ecosystems in each country and region Raise employees' awareness of protecting ecosystems, and encourage volunteering (Promote activities based on Japan Business Federation Declaration of Biodiversity)			
Frame	Field	No.	Item	Specific Action Items/Targets, etc.			
Environmental Management	Management	15	Strengthen and promote group environmental management	Activities to ensure top level of environmental performance in each country and region Comply with environmental laws in each country and region, and enhance activities to prevent environmental risk Introduce area management organizations at production sites outside Japan, and promote rational initiatives Improve level of environmental management through mutual audits by each company at production sites in Japan			
		Promote environmental activities in collaboration with business partners Suppliers: Compliance with laws by suppliers, a enhance management of substances that impa environment contained in parts, raw materials, secondary materials, production equipment, etc Request for environmental performance activities Sales in Japan: Promote environmental activities sales companies via each Environmental Mana System. Sales outside Japan: Act continually to raise avoif the environment					
		17	Promote global CO ₂ management	Plan and promote CO ₂ management in all business activities			
		18	Promote environmental management ECO- VAS in product development		gement of environmental targets during using vehicle environmental assessment VAS)		
		19	Promote"sustainable- plant" activities	Actively intro	in harmony with nature. oduce low CO2 production technologies, e continual improvement, exploit energy, and forest creation in and around		
		20	Enhance and promote environmental education	employees' av Continually su awareness, ar results Roll out group	vironmental education that raises vareness of the environment rvey employees' environmental and raise awareness in accordance with activities for Environment Month in th Toyota Group		
		21	Actively disclose environmental information and enhance communication	environmental (e.g. exhibiting Continually pu in each countr	ision of information on product technologies in each country and region g at expos) blish CSR reports and other documents y and region, and publish at more sites conmental communication in each country		

*Japanese Fiscal Year runs from April 1 to March 31.