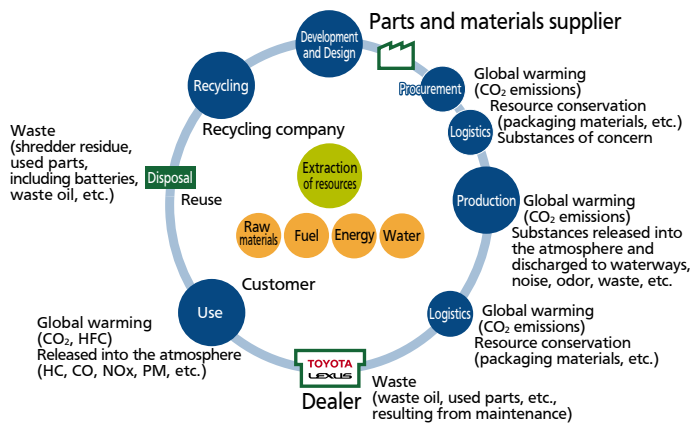


Environmental Philosophy

Initiatives to Reduce Environmental Impact and Recycle Resources at All Stages of Business Activity

The business environment surrounding industry is undergoing dramatic changes, such as the worldwide economic crisis and environmental and energy-related issues of global scale. Given this situation, Toyota is working to reduce CO₂ emissions and other environmental impact, at all stages from vehicle development to production, use, disposal, and recycling, while also promoting resource recycling. Towards this end, Toyota is undertaking environmental activities in all its business areas, including housing, information technology, biotechnology, and afforestation. Additionally, in order to conduct environmental activities at the highest levels in every country and region, Toyota has established environmental management systems in all regions and areas of operation and working with related companies in Japan and overseas to implement consolidated environmental management and promote environmental management on a global scale.



respective country or region. TMC also supports environmental management by affiliates through the sharing of best practices and exchanges of information to mutually strengthen relationships, as well as audit training, etc. The percentage of vehicles produced and sold by companies subject to consolidated EMS worldwide was 99% and 92% respectively.

Toyota Earth Charter

I. Basic Policy

- Contribution toward a prosperous 21st century society**
Contribute toward a prosperous 21st century society. Aim for growth that is in harmony with the environment, and set as a challenge the achievement of zero emissions throughout all areas of business activities.
- Pursuit of environmental technologies**
Pursue all possible environmental technologies, developing and establishing new technologies to enable the environment and economy to coexist harmoniously.
- Voluntary actions**
Develop a voluntary improvement plan, based on thorough preventive measures and compliance with laws, that addresses environmental issues on the global, national, and regional scales, and promotes continuous implementation.
- Working in cooperation with society**
Build close and cooperative relationships with a wide spectrum of individuals and organizations involved in environmental preservation including governments, local municipalities, related companies and industries.

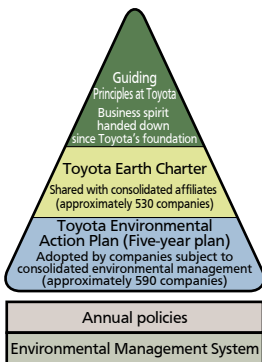
II. Action Guidelines

- Always be concerned about the environment**
Take on the challenge of achieving zero emissions at all stages, i.e., production, utilization, and disposal
 - Develop and provide products with top-level environmental performance
 - Pursue production activities that do not generate waste
 - Implement thorough preventive measures
 - Promote businesses that contribute toward environmental improvement
- Business partners are partners in creating a better environment**
Cooperate with associated companies
 - Participate in the creation of a recycling-based society
 - Support government environmental policies
 - Contribute also to non-profit activities
- As a member of society**
Actively participate in social actions
- Toward better understanding**
Actively disclose information and promote environmental awareness

III. Organization in Charge

Promotion by the Toyota Environment Committee which consists of top management (chaired by the president)

Conceptual Diagram of the Toyota Environmental Action Plan



Principles, Policies and the Toyota Environmental Action Plan

The Toyota Earth Charter (formulated in 1992, revised in 2000) is based on the Guiding Principles at Toyota formulated in 1992 (revised in 1997), and embodies Toyota's comprehensive approach to environmental issues. The Toyota Earth Charter has been adopted by approximately 530 affiliates worldwide to date. In accordance with the Toyota Earth Charter, Toyota Motor Corporation (TMC) has formulated the Fourth Toyota Environmental Action Plan, a five-year plan with medium-term goals covering the period from FY2006 to FY2010 to facilitate the promotion of environmental initiatives by each company.

Promotion of Consolidated Environmental Management

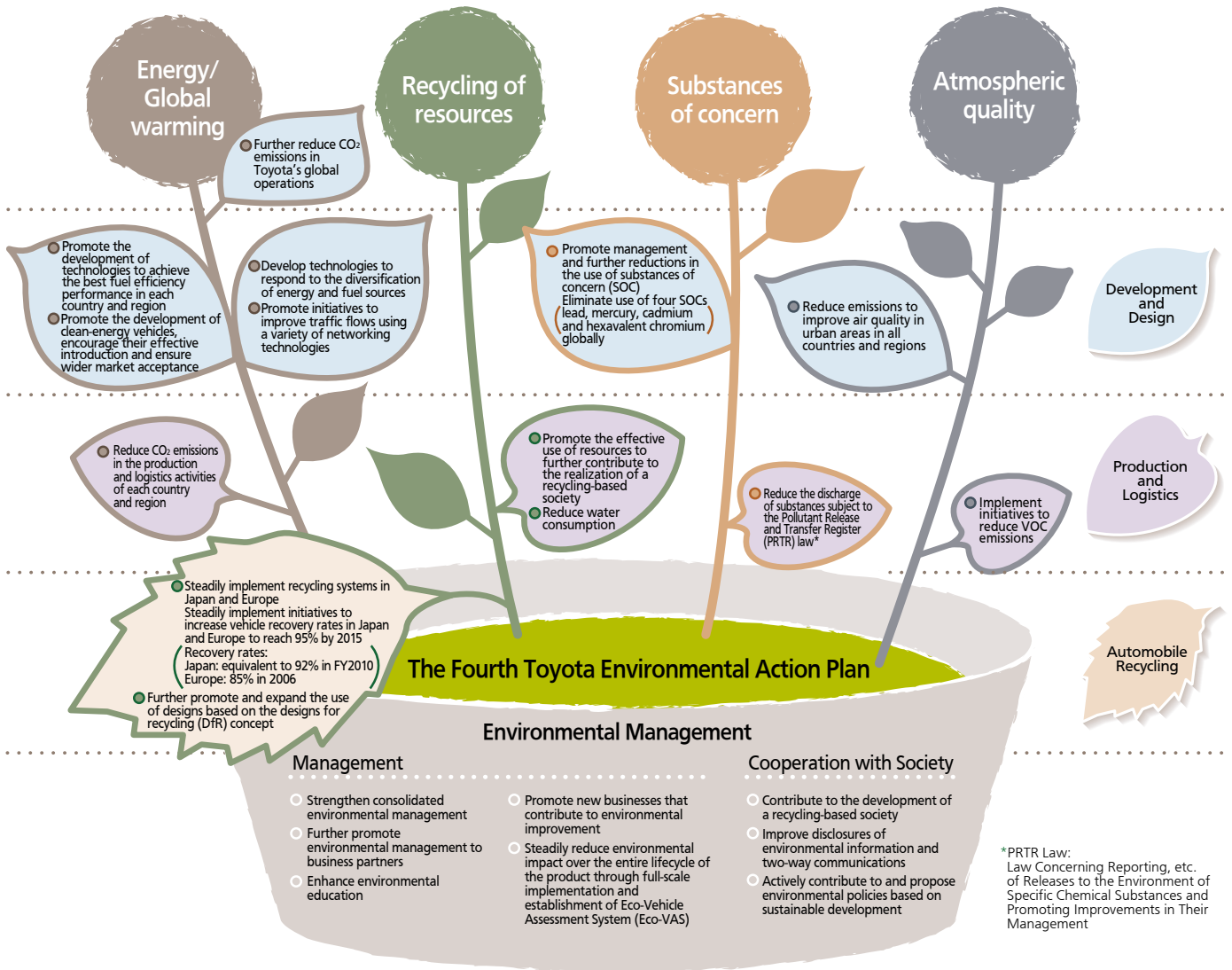
As Toyota's business expands on a global scale, TMC introduced a consolidated environmental management system (consolidated EMS) in FY2000 to promote environmental action in concert with consolidated subsidiaries.

TMC presents its environmental policy and guidelines to all companies subject to consolidated EMS, and requests that all companies adopt and implement five-year environmental action plans, create environmental management systems and undertake environmental activities at the highest levels in their

Environmental Philosophy

Fourth Toyota Environmental Action Plan

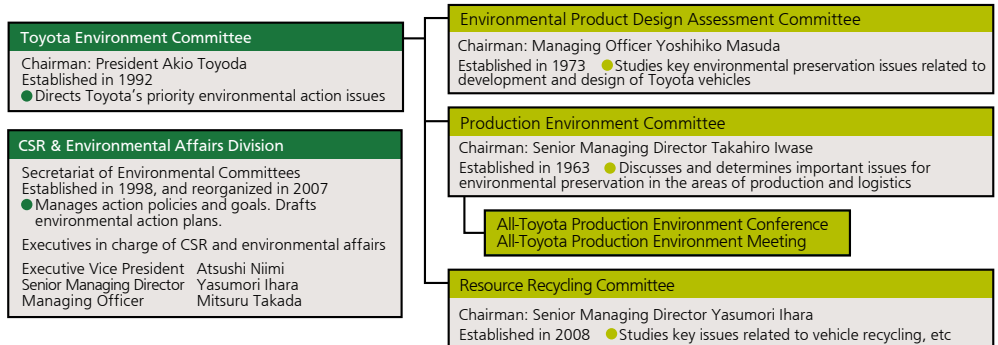
Toyota has formulated the Fourth Toyota Environmental Action Plan specifying the activities which must be implemented between FY2006 and FY2010 in order to realize the corporate image that Toyota seeks to pursue—a leader and driving force in global regeneration by implementing the most advanced environmental technologies.



Implementation Structure

The Environmental Product Design Assessment Committee, Production Environment Committee, and the Resource Recycling Committee were established under the Toyota Environment Committee, which is chaired by the president, to investigate issues and response policies in their respective areas of responsibility. Each committee collaborates with all relevant divisions to promote company-wide action.

Organization Framework



Environmental Philosophy

The Fourth Toyota Environmental Action Plan Interim Review (Including FY2008 progress check)

In FY2008, the middle year of the Fourth Toyota Environmental Action Plan, a review of all 22 action items in the different areas was conducted. In the area of energy and global warming, progress was made in improving the fuel efficiency of products; not only were the regulations of each country complied with, but Toyota also maintained fuel efficiency in Japan and the United States at levels above the industry average. Initiatives are also being steadily implemented to develop clean-energy vehicles and technologies for a diverse range of fuels, as well as improve traffic flow through collaboration with relevant organizations. In the area of production and logistics, the 2010 targets were achieved ahead of schedule by global implementation of energy-saving activities. Even more challenging new goals were set in June 2008. However, the decline in production volume caused by the global economic crisis that began in the second half of FY2008 resulted in an increase in emissions per unit of production. Moving forward, Toyota will continue efforts to reduce emissions per unit of production at all affiliates.

In the area of resource recycling, steady progress was made in reducing the volume of waste discharged per unit of production, and the usage

Action items	Specific actions and goals	
Energy/ Global Warming	1) Reduce CO ₂ emissions in Toyota's global operations	<ul style="list-style-type: none"> Adopt and steadily implement medium- and long-term scenarios
	2) Promote the development of technologies to achieve the best fuel efficiency performance in each country and region	<ul style="list-style-type: none"> Japan: Steadily promote improvements in fuel efficiency to surpass the 2010 Fuel Efficiency Standards Europe: Steadily implement initiatives to realize Japan Automobile Manufacturers Association's commitment to reduce CO₂ emissions to 140g/km by 2009 North America: Steadily promote the development of technologies aiming to achieve the best fuel efficiency among competing vehicles of the same class China: Achieve the new fuel efficiency standards in the short-term and realize leading fuel efficiency levels by vehicle class
	3) Promote the development of clean-energy vehicles, encourage their effective introduction and ensure wider market acceptance	<ul style="list-style-type: none"> Further improve the performance of hybrid systems, increase the number of hybrid vehicle series and introduce them in more markets Develop and quickly introduce next-generation fuel cell vehicles in light of the diversification of energy sources
	4) Develop technologies to respond to the diversification of energy and fuel sources	<ul style="list-style-type: none"> Assess and develop corresponding technologies for various types of bio fuels and synthetic fuels that will contribute to reductions in CO₂ emissions and energy security
	5) Promote initiatives to improve traffic flows using a variety of networking technologies	<ul style="list-style-type: none"> Promote initiatives to improve traffic flows in cooperation with relevant organizations, aiming to introduce to society traffic systems that use ITS from the three-fold perspective of "cars," "traffic infrastructure" and "people"
	6) Reduce CO ₂ emissions in the production and logistics activities of each country and region	<p>Production</p> <ul style="list-style-type: none"> Dramatically increase productivity through measures such as the development of innovative production technologies, thus reducing CO₂ emissions Develop technologies that will enable the use of "new energy" and study their introduction <p>Logistics</p> <ul style="list-style-type: none"> Promote CO₂ emissions reduction activities through improvements in transportation efficiency
Recycling of Resources	7) Promote the effective use of resources to further contribute to the realization of a recycling-based society	<p>Production</p> <ul style="list-style-type: none"> Reduce the volume of materials discarded by taking action at the source, such as improving yields and other measures (reduce the volume of valuable materials such as scrap metal and waste and maintain zero landfill waste generation) <p>Logistics</p> <ul style="list-style-type: none"> Reduce packaging and wrapping material usage by keeping packaging to a minimum and increasing the use of returnable containers
	8) Reduce water consumption	<ul style="list-style-type: none"> Set separate goals for each country and region and continue implementing measures to reduce water consumption
	9) Steadily implement recycling systems in Japan and Europe	<ul style="list-style-type: none"> Steadily implement measures to achieve a vehicle recycling/recovery rate of 95% in 2015 Develop recycling technologies for newly developed parts (FC and HV parts, etc.) and create collection networks
	10) Further promote and expand the use of designs based on the designs for recycling (DfR) concept	<ul style="list-style-type: none"> Promote and expand the development of vehicles that are easy to dismantle and recycle Expand the usage of renewable resources such as Toyota Eco-Plastic, and of recycled materials (establish technologies that enable use of 15% resin parts by 2010) Develop and increase use of designs based on the DfR concept for newly developed parts
Substances of Concern	11) Promote management and further reductions in the use of substances of concern (SOC) <ul style="list-style-type: none"> Eliminate use of four SOCs (lead, mercury, cadmium and hexavalent chromium) globally 	<ul style="list-style-type: none"> Introduce vehicles in Japan and Europe that use zero amounts of the four banned substances starting in FY2006 (complete elimination, with some exemptions, by 2007) Eliminate worldwide usage of the four banned substances in accordance with Toyota's global standards in the short term Reduce cabin VOC levels in all new vehicles launched globally by 2010 Develop air conditioners that use coolants with a small global warming potential
	12) Reduce the discharge of substances subject to the PRTR law* <p>*Law Concerning Reporting, etc. of Releases to the Environment of Specific Chemical Substances and Promoting Improvements in Their Management</p>	<ul style="list-style-type: none"> Reduce the discharge of substances subject to the PRTR law, focusing on vehicle painting processes

Environmental Philosophy

of packaging and wrapping material in logistics, thus achieving almost all 2010 goals. With respect to recycling end-of-life vehicles, Toyota steadily responded to the recycling laws of Japan and other countries, while also examining the recycling of hybrid vehicles in Japan, the United States, and Europe, identifying related issues, and studying revisions. In the future, Toyota will continue efforts to maintain and stabilize vehicle recycling/recovery rates, develop recycling technologies for hybrid vehicle parts, and expand the use of recycled materials and renewable resources. With regard to substances of concern, Toyota implemented measures, according to plan, to manage and reduce the usage of such substances in materials used during product design and production. Toyota also made steady progress in responding to new regulations. With respect to consolidated environmental management, Toyota implemented Eco-Factory activities when establishing new plants and completed the creation of a system to determine CO₂ emissions by consolidated non-production companies. The disclosure of environmental information was also enhanced, with the publication of environmental reports by three overseas affiliates for the first time.

Status of action		Actions to be undertaken in 2009 and beyond																												
<ul style="list-style-type: none"> Formulated the roadmap for Toyota's global CO₂ emissions reduction activities (plants and vehicles) 		<ul style="list-style-type: none"> Review and steadily implement the roadmap for CO₂ emissions reduction activities, taking into consideration changes in the business environment 																												
<ul style="list-style-type: none"> Japan: Fuel efficiency standards met in all categories. Exceeded industry averages in all categories Europe: Low-CO₂ emissions vehicles steadily introduced towards achieving 140g/km goal North America: Average fuel efficiency for passenger vehicles maintained at the highest levels China: Compliance with phase 2 fuel efficiency regulations (effective as of FY2008) completed 		<ul style="list-style-type: none"> Steadily achieve, maintain, and exceed the standards of each country 																												
<ul style="list-style-type: none"> Hybrid vehicles steadily introduced. Cumulative sales reached 1.8 million units in March 2009. Verification testing of plug-in hybrid vehicles conducted in Japan, North America, and Europe The Toyota FCHV-adv, an improved fuel cell vehicle, was developed and leasing began in September 2008 		<ul style="list-style-type: none"> Begin widespread sales of plug-in hybrids Continue development of low-cost fuel cell systems 																												
<ul style="list-style-type: none"> Compatibility with E10 fuel achieved for all vehicles sold worldwide. Established a collaborative structure with six private companies for the development of bio-ethanol technology Continued development of technologies for the production of fuels that do not compete with foodstuffs 		<ul style="list-style-type: none"> Encourage the adoption of standards on fuel properties in preparation for the diversification of fuels 																												
<ul style="list-style-type: none"> Used probe communication traffic information to determine optimal routes and avoid traffic congestion, thus reducing CO₂ (this feature of the G-BOOK mX telematic service began in April 2007) Continued development of systems that work in collaboration with infrastructure to improve traffic flow, such as a system that uses traffic signal information to prevent delayed startup at traffic signals Cooperated with Toyota City for its development as a low-carbon community ("Eco-Model City" concept), based on the "Hybrid City" basic concept; and also carried out initiatives to verify the operation of the new types of mobility (e.g., plug-in hybrids) and to improve employee commuting 		<ul style="list-style-type: none"> Implement measures to enhance the volume and quality of traffic information using probe communication traffic information Develop commercial products that can make use of various systems that contribute to improving traffic flow Collaborate and cooperate with regard to action plans to support low-carbon programs 																												
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<ul style="list-style-type: none"> Each company implemented voluntary reduction activities 		<ul style="list-style-type: none"> Continue activities to reduce water consumption in all countries and regions 																												
<ul style="list-style-type: none"> Japan: Vehicle recycling/recovery rate goal for FY2015 cleared since FY2007 (FY2006 rate: 94%; FY2007 rate: 96%; FY2008 rate: 97%) Europe: Put in place a collection network in 23 of the 27 EU countries. Measures are being taken in the remaining four countries in line with their governmental situation In Japan, North America, and Europe, examined the recycling of hybrid vehicles, identified issues, and studied revisions 		<ul style="list-style-type: none"> Japan: Maintain and stabilize the vehicle recycling/recovery rate Europe: Formulate a scenario for achieving a vehicle recycling/recovery rate of 95% by 2015 Continue technology development and promote reviews of the collection network and logistics systems 																												
<ul style="list-style-type: none"> Incorporated easy-to-dismantle designs, such as pull-tab type terminals and the use of improved dismantling marks for all new models launched from 2006 (FY2006 to FY2008: 25 vehicle series) With regard to the usage of recycled materials and expanded use of Toyota Eco-Plastic¹, a recyclable resource, developed a technology that enables 8% usage of Toyota Eco-Plastic in resin parts Enhanced ease of removal (reduced the time) of hybrid vehicle batteries (12% improvement on the new Prius) 		<ul style="list-style-type: none"> Continue the incorporation of easy-to-dismantle designs developed by Toyota Continue development of technologies for the use of recycled materials (such as used bumpers) and of renewable resources (Toyota Eco-Plastic and plant-based materials) Continue improvements in hybrid vehicle battery removal 																												
<ul style="list-style-type: none"> Basically eliminated the use of the four banned substances globally by the end of 2007 Completed pre-registration under the new EU REACH regulations Efforts underway to achieve goals for new vehicles and to achieve voluntary industry standards for fully redesigned vehicles launched in Japan Developing air conditioners that use new coolants with a lower global warming coefficient 		<ul style="list-style-type: none"> Continue measures for complete elimination. Implement responses to additional regulations on substances such as solder Implement registration without any omissions and reliably respond to the issue of substances of very high concern Reliably adopt measures for new and completely redesigned vehicles launched in Japan Continue development and strive for rapid commercialization 																												
<table border="1"> <thead> <tr> <th></th> <th>Region</th> <th>Item</th> <th>2010 Goal</th> <th>FY2008 results</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Production</td> <td>Japan</td> <td>Discharge volume</td> <td>55% reduction from FY1998</td> <td>72% reduction</td> </tr> <tr> <td>TMC</td> <td>Discharge volume</td> <td>70% reduction from FY1998</td> <td>83% reduction</td> </tr> <tr> <td>Overseas</td> <td>Set goals that are stricter than each country's regulations and implement reduction activities</td> <td></td> <td>Being implemented</td> </tr> </tbody> </table>			Region	Item	2010 Goal	FY2008 results	Production	Japan	Discharge volume	55% reduction from FY1998	72% reduction	TMC	Discharge volume	70% reduction from FY1998	83% reduction	Overseas	Set goals that are stricter than each country's regulations and implement reduction activities		Being implemented	<ul style="list-style-type: none"> Achieved 2010 targets in FY2008. Continue improvements with a focus on reducing VOCs 										
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1. Eco-Plastic: A type of plastic developed by Toyota for use in automobiles that contains plant-derived materials, featuring improved heat resistance and shock resistance as compared to general bio-plastics

Environmental Philosophy

Action items	Specific actions and goals
Atmospheric Quality 13) Reduce emissions to improve air quality in urban areas in all countries and regions 14) Implement initiatives to reduce VOC emissions	<ul style="list-style-type: none"> Promote the development of ultra-low emissions technologies and introduce the best-performing low-emissions vehicles according to conditions in each country Continue development of high-efficiency clean diesel vehicles
	<ul style="list-style-type: none"> Implement measures to further reduce the volume of cleaning solvents used in vehicle painting processes and expand the use of waterborne paints
Environmental Management 15) Strengthen consolidated environmental management 16) Further promote environmental management to business partners 17) Enhance environmental education 18) Promote new businesses that contribute to environmental improvement 19) Steadily reduce environmental impact over the entire lifecycle of the product through full-scale implementation and establishment of Eco-Vehicle Assessment System (Eco-VAS) 20) Contribute to the development of a recycling-based society 21) Increase disclosure of environmental information and bidirectional communication 22) Actively contribute to and propose environmental initiatives based on sustainable development	Production affiliates <ul style="list-style-type: none"> Implement global Eco-Factory activities that ensure the incorporation of environmental measures from the planning stages Zero instances of non-compliance and complaints, minimizing environmental risks, and achieving leading levels of environmental performance in each country and region Non-production affiliates <ul style="list-style-type: none"> Manage and enhance affiliates' environmental performance (CO₂ emissions, etc.) on a global scale
	Suppliers <ul style="list-style-type: none"> Management of SOCs contained in parts, raw materials, production facilities and other items supplied to Toyota Request voluntary initiatives by suppliers to improve environmental performance Japanese dealers <ul style="list-style-type: none"> In addition to proper disposal of waste and treatment of wastewater, undertake active steps to address a broad range of issues such as reducing CO₂ emissions Support dealer initiatives to reinforce and enhance their environmental management functions Overseas distributors <ul style="list-style-type: none"> Create support and monitoring systems to assess, manage, and reduce CO₂ and other emissions of overseas distributors. Support initiatives to ensure appropriate disposal of waste, wastewater and air conditioner coolants at overseas dealers
	<ul style="list-style-type: none"> In addition to raising employee environmental awareness, continue conducting environmental training that contributes to improvement in actual work activities Enhance global environmental education and include consolidated affiliates
	<ul style="list-style-type: none"> Expand existing and establish new biotechnology and reforestation businesses Promote development and launch of stationary fuel cells Expand businesses that reduce environmental risk, such as management of SOCs, etc
	<ul style="list-style-type: none"> Implement on models that undergo redesigns and new models in Japan and expand to all vehicles, including those produced in Europe and America
	<ul style="list-style-type: none"> Promote basic environmental research, such as development of technology to reduce CO₂ emissions, and make proposals Implement philanthropic programs that contribute to development of environmental technologies, environmental education, and the preservation of biodiversity <ul style="list-style-type: none"> Continue implementing and further enhance the content of activities such as the Toyota Environmental Activities Grant Program (in commemoration of winning the Global 500 Award) and the establishment of the TOYOTA Shirakawa-Go Eco-Institute
	<ul style="list-style-type: none"> Increase the provision of information on environmental technologies Provide eco-drive information to consumers Enhance the environmental reports of each country and region Improve communication with each region Engage in dialogue and enhance mutual understanding with a wide range of stakeholders
	<ul style="list-style-type: none"> Participate in debates concerning the creation of governmental environmental policies and frameworks both in Japan and overseas Promote environmental measures proposed by the World Business Council for Sustainable Development (WBCSD), Nippon Keidanren, Japan Automobile Manufacturers Association (JAMA) and industry organizations

TMC Environment-related Accidents

As indicated in the table to the right, there were three environment-related accidents in FY2008. All three accidents concerned water quality and occurred at locations other than production bases. In response to the incidents, TMC is implementing measures to address environmental risk management at locations other than production bases. Particular emphasis will be placed on reinforcing risk assessment relating to construction and other non-ordinary activities; thoroughly confirming inspection points and incorporating risk management into procedures; and reconfirming emergency response procedures for non-compliance and implementing comprehensive inspections to prevent reoccurrence.

Environmental Philosophy

Status of action		Actions to be undertaken in 2009 and beyond																			
<ul style="list-style-type: none"> Achieved or surpassed Ultra-Low Emission Vehicle (U-LEV) levels for 100% of vehicles produced Continue development of high-efficiency clean diesel vehicles 		<ul style="list-style-type: none"> Take actions in anticipation of new developments in regional regulations Continue development of high-efficiency clean diesel vehicles 																			
<ul style="list-style-type: none"> Implemented measures to reduce VOCs from body painting process <table border="1"> <thead> <tr> <th></th> <th>Region</th> <th>Item</th> <th>2010 Goal (average of all lines)</th> <th>FY2008 results</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Body painting processes VOC</td> <td>Japan</td> <td>Emissions/unit of painted area</td> <td>35g/m² or less</td> <td>32g/m²</td> </tr> <tr> <td>TMC</td> <td>Emissions/unit of painted area</td> <td>25g/m² or less</td> <td>24g/m²</td> </tr> <tr> <td>Overseas</td> <td colspan="2">Conduct activities to reduce VOC emissions at the highest levels in each country</td> <td>Being implemented</td> </tr> </tbody> </table>			Region	Item	2010 Goal (average of all lines)	FY2008 results	Body painting processes VOC	Japan	Emissions/unit of painted area	35g/m ² or less	32g/m ²	TMC	Emissions/unit of painted area	25g/m ² or less	24g/m ²	Overseas	Conduct activities to reduce VOC emissions at the highest levels in each country		Being implemented	<ul style="list-style-type: none"> Continue VOC reductions through daily management, such as reducing the volume of cleaning solvent used 	
	Region	Item	2010 Goal (average of all lines)	FY2008 results																	
Body painting processes VOC	Japan	Emissions/unit of painted area	35g/m ² or less	32g/m ²																	
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	Overseas	Conduct activities to reduce VOC emissions at the highest levels in each country		Being implemented																	
<ul style="list-style-type: none"> Implemented Eco-Factory activities at 22 plants in worldwide (FY2006-FY2008) Twelve incidents of non-compliance and zero complaints worldwide (FY2008) Put in place a system that assesses CO₂ emissions, centering on consolidated subsidiaries (introduced Environmental Performance Indicators (EPI) and currently conducting monitoring) 		<ul style="list-style-type: none"> Continue implementation of Eco-Factory activities (from planning to operational stages) Reinforce preventive activities to prevent recurrence Shift to early management of objectives 																			
<ul style="list-style-type: none"> Issued new and revised procurement guidelines by May 2008 (for 8 companies in Japan and 23 companies overseas) Incorporated into revised procurement guidelines Assessed environmental performance data for CO₂ emissions and other substances from consolidated dealers Increased the number of dealers in Japan adopting the CSR Declaration (370 of 404 dealers or 92%) Trial implementation of energy conservation measures at 15 outlets (January to December, 2008) Introduced and currently implementing EPI at main consolidated overseas distributors 70% of dealers met the requirements for the overseas major distributor Dealer Environmental Risk Audit Program (DERAP), covering dealers operating under major 38 distributors 		<ul style="list-style-type: none"> Continue to follow up on guidelines previously issued in Japan and overseas Complete the determination of current conditions and shift to early management of objectives Carry out initiatives aimed at 100% of dealers in Japan making a CSR declaration Confirm and implement energy-saving measures suitable for dealers through use of the Energy Service Company (ESCO) Investigate handling of small-scale consolidated distributors and non-consolidated distributors Continue measures to reach an attainment rate of 80% of dealers under the authority of the subject distributors 																			
<ul style="list-style-type: none"> Implemented Toyota Global Environment Month activities worldwide (including a message from the president, posters, e-learning, eco-life examples) Cooperated with the CO₂ reduction campaign (a movement to reduce CO₂ by 1kg per person, per day); implemented Coolbiz and Warmbiz activities Distributed a compilation of improvement best practices, including measures to help for preventing global warming, to affiliates worldwide (annual activity) 		<ul style="list-style-type: none"> Continue Toyota Global Environment Month activities Actively cooperate with national policies in Japan such as Coolbiz and Warmbiz Continue preparation and distribution of compilation of best practices 																			
<ul style="list-style-type: none"> Formulated Toyota's approach to greening and created and began implementing a development plan with a focus on specialized greening materials (launched one variety of plant that helps improve the environment and one type of greening material) Contributed to addressing environmental issues (odor countermeasures) in the livestock industry through the livestock biomass business Continued appropriate tree cultivation management for the Australian tree planting business, contributing to environmental improvement (fostering water resources recharge, preventing damage from salt etc) Participated in a trial project for Polymer Electrolyte Fuel Cell (PEFC) (total of 76 units between FY2006 and FY2008) Began development of Solid Oxide Fuel Cell (SOFC) cogeneration system (starting in March 2009), in cooperation with Osaka Gas, Kyocera, and Aisin Seiki Promoted chemical substance management and reduced the release and transfer of substances subject to PRTR, through the use of the PRTR calculation system of the subsidiary Eco Research 		<ul style="list-style-type: none"> Encourage development of specialized greening materials based on the development plan (for roof gardens, greening of walls, etc.) Improve products and implement sales promotion activities to expand the scale of business even further Harvesting and shipment of materials for use as paper pulp are scheduled to begin in FY2009 Support the joint development of the SOFC cogeneration system by the four companies and consider the commercialization of products Conduct reduction activities by assessing the environmental impact from chemical substances used 																			
<ul style="list-style-type: none"> Implemented for all vehicles. LCA assessment was steadily implemented in stages for newly developed vehicles and new parts (a total of 40 vehicle series between FY2006 and FY2008) 		<ul style="list-style-type: none"> Continue LCA for newly developed vehicles, new mechanisms, and new systems (such as batteries) 																			
<ul style="list-style-type: none"> Supported the basic research activities of the Global Climate and Energy Project (GCEP) via Stanford University and the development of atmospheric models with The Energy and Resources Institute (TERI) based in India Biodiversity: Formulated and announced the Toyota Biodiversity Guidelines Provided support to 77 projects in Japan and overseas over the three years from FY2006 to FY2008. Starting in FY2008, the focus has been on biodiversity and global warming issues Toyota Shirakawa-Go Eco-Institute: Steadily expanded hands-on environmental education programs (13,440 people participated in environmental programs in FY2008) 		<ul style="list-style-type: none"> Continue to support basic environmental research Implement activities to conserve biodiversity including cooperation with COP10 Consider continuation of the project and efficient operation Continue to improve and expand the Toyota Shirakawa-Go Eco-Institute environmental education programs 																			
<ul style="list-style-type: none"> Provided environmental information on products and technologies in a timely manner through brochures, the internet, and the green purchasing network Prepared and distributed pamphlets (235,000 copies, of which approximately half were distributed to customers on request) and posted information on the Internet Newly issued by affiliates in Brazil, China, and Malaysia. Together with reports currently being issued; a total of 14 countries and regions issued reports Cooperated with Toyota City in the Eco-Model City initiative from the time applications began, with an emphasis on traffic, industry, and forests; the city was selected as a model city in January 2009 Each year, topics are selected and Stakeholder Dialogue are held 		<ul style="list-style-type: none"> Continue to provide environmental information on products and technologies Provide expertise to Eco-model cities, etc Issue even higher-quality reports through the mutual exchange of information Continue cooperation with the city's implementation plans Set topics based on interests inside and outside the company, and continue dialogue with stakeholders 																			
<ul style="list-style-type: none"> Participated in policy debates (regarding global warming, fuel efficiency, etc.) through organizations such as Nippon Keidanren and JAMA Participated in WBCSD activities such as policy recommendations for the UNFCCC* process and the Mobility for Development project <p>* United Nations Framework Convention on Climate Change</p>		<ul style="list-style-type: none"> Continue participation in policy debates concerning key issues such as the post-Kyoto framework and new issues Participate in activities to make proposals through the WBCSD concerning the post-Kyoto framework and to contribute to the realization of sustainable mobility 																			

Date	Location	Category	Details and Causes	Measures to Prevent Recurrence
November 2008	Higashifuji Technical Center	Water quality	Improper operation of a wastewater valve during construction to replace a control panel in the wastewater treatment plant resulted in the flow of some untreated water into a river.	Assessment of environmental risks at construction sites will be reinforced. Preliminary and final confirmations will be more thoroughly implemented. Sites where water is released directly into rivers will be listed and reassessed.
January 2009	Kamigo Logistics Center	Water quality	Stormwater that had collected in an improperly cleaned and sanitized stormwater collection tank at a construction site flowed into a public waterway before treatment.	Risks that can affect the environment from changes at a construction site will be identified and management points clarified and incorporated into procedures. Procedures concerning responses in the event of irregularities will be prepared and implemented thoroughly.
March 2009	Meiko Center	Water quality	Stormwater that seeped into the ground at a construction site leaked into an existing manhole and water that exceeded pH standards flowed out.	Seepage of rainwater at construction sites will be prevented. Existing manholes will be repaired to bolster water resistance. Identification of sites where construction waste water flows will be clarified, with new risks borne in mind and thorough water-quality confirmations standardized.