

The Fifth Toyota Auto Body Action Plan (FY 2011-1015)

◆Setting of fiscal 2015 target value of Production and Logistics

Target FY2015

		Action items	Specific action items and goals													
Efforts to build a low-carbon society	Development and Design	①Promote development of next-generation vehicles that use electrical energy	<ul style="list-style-type: none"> Promote development and commercialize of environmental products(very small EV and fuel-cell related components) 													
		②Develop and commercialize lightweight technology for improving vehicle fuel efficiency	<ul style="list-style-type: none"> Proliferate lightweight bodies by switching to lightweight, high-strength materials Promote lightweight body design through streamlining construction 													
	Production and Logistics	③Reduce greenhouse gas emissions volume and enhance energy-saving activities in production activities	<ul style="list-style-type: none"> Promote CO₂ reduction activities through developing and introducing low-CO₂ production technology and daily kaizen activities (Pursue productivity improvements and promote activities that include offices and other worksites) Use recyclable energy Manage greenhouse gases other than those relating to origins of energy <table border="1"> <thead> <tr> <th>Area</th> <th>Item</th> <th>Target(FY2015)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Toyota Auto Body</td> <td>CO₂ emissions volume</td> <td>5% reduction compared to FY1990</td> </tr> <tr> <td>CO₂ emissions volume per vehicle</td> <td>10% reduction compared to FY2001</td> </tr> <tr> <td>Global</td> <td>CO₂ emissions volume per vehicle</td> <td>10% reduction compared to FY2001</td> </tr> </tbody> </table> <p><Scope that adds offices in production processes etc.></p>	Area	Item	Target(FY2015)	Toyota Auto Body	CO ₂ emissions volume	5% reduction compared to FY1990	CO ₂ emissions volume per vehicle	10% reduction compared to FY2001	Global	CO ₂ emissions volume per vehicle	10% reduction compared to FY2001		
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④Pursue shipping efficiency in logistics activities and reduce CO ₂ emissions volume	<ul style="list-style-type: none"> Promote CO₂ reduction activities by further improving shipping efficiency <table border="1"> <thead> <tr> <th>Item</th> <th>Target (FY2015)</th> </tr> </thead> <tbody> <tr> <td>CO₂ emissions volume in logistics</td> <td>37% reduction compared to FY2001</td> </tr> </tbody> </table>	Item	Target (FY2015)	CO ₂ emissions volume in logistics	37% reduction compared to FY2001											
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Efforts toward building a recycle-oriented society	Development and Design	⑤Further introduce and promote recycle design that considers effective resource use	<ul style="list-style-type: none"> Improve part removal for effective resource use and make new efforts to material separation and sorting Broaden use of eco-plastic recyclable resources and recycling materials 													
	Production and Logistics	⑥Effectively use resources and reduce emissions in production and logistics activities	<p><Emissions></p> <ul style="list-style-type: none"> Promoted effective use of resources and reduced emissions by taking emissions point countermeasures through improving yields (Promoted reduction activities for resource loss, and reducing emissions of valuable materials and waste substances) <table border="1"> <thead> <tr> <th colspan="2">Item</th> <th>Target(FY2015)</th> </tr> </thead> <tbody> <tr> <td>Valuable materials</td> <td>Reduction activities for the resulting volume of such as metal scrap</td> <td></td> </tr> <tr> <td>Waste substances</td> <td>Volume resulting per vehicle</td> <td>5% reduction compared to FY2008</td> </tr> </tbody> </table> <p> ・Valuable materials: metal scrap (stamping waste materials, etc.) for fee-payable recycling ・Waste substances: many back recycling, incineration of waste, and landfill waste substances </p> <p><Logistics></p> <ul style="list-style-type: none"> Reduce the volume of packaging material used through simplifying and minimizing packaging and wrapping specifications <table border="1"> <thead> <tr> <th>Item</th> <th>Target(FY2015)</th> </tr> </thead> <tbody> <tr> <td>Volume of packaging and wrapping materials used</td> <td>7% reduction compared to FY2001</td> </tr> </tbody> </table> <p><Water></p> <ul style="list-style-type: none"> Continuously reduce water consumption 	Item		Target(FY2015)	Valuable materials	Reduction activities for the resulting volume of such as metal scrap		Waste substances	Volume resulting per vehicle	5% reduction compared to FY2008	Item	Target(FY2015)	Volume of packaging and wrapping materials used	7% reduction compared to FY2001
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Coordinating With Society	⑦Promote new businesses to invest in building a recycle-oriented society	<ul style="list-style-type: none"> Promote development and commercialization of environmental products (plant materials etc.) 														
Promoting environmental conservation and building a society that coexists with nature	Development and Design	⑧Soundly manage chemical substances in products	<ul style="list-style-type: none"> Promote management of chemical substances in global products Switch to managing a variety of chemical substances in products in addition to eliminating previously regulated heavy metals Promote switching and developing the technology to switch to substances of less burden on the environment 													
	Production	⑨Reduce SOCs in production activities	<ul style="list-style-type: none"> Reduce VOCs by expanding use of waterborne paints and decrease the volume of paints and cleaning solvents in painting processes <table border="1"> <thead> <tr> <th>Target</th> <th>Target (FY2015)</th> </tr> </thead> <tbody> <tr> <td>Body painting</td> <td>32g/m² (68% reduction compared to FY1998)</td> </tr> <tr> <td>Other painting</td> <td>Promote VOC reduction activities</td> </tr> </tbody> </table>	Target	Target (FY2015)	Body painting	32g/m ² (68% reduction compared to FY1998)	Other painting	Promote VOC reduction activities							
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Coordinating With Society	⑩Make efforts for biodiversity	<ul style="list-style-type: none"> Promote and plan biotope maintenance in the vicinity of our plants 														
Environmental management	Management	⑪Promote social contribution activities to invest in building coexistence with nature	<ul style="list-style-type: none"> Promote domestic and overseas forestation and greenification activities Actively promote environmental volunteer activities 													
		⑫Promote and enhance consolidated environmental management	<ul style="list-style-type: none"> Achieve improved environmental performance, enhance environmental risk prevention activities as well as observance of environmental ordinances in each country and region 													
		⑬Promote further coordinated environmental activities with suppliers	<ul style="list-style-type: none"> Request improved self-initiated environmental performance, sound management of for SOCs in parts and materials delivered to Toyota Auto Body, and also action for legal observance for suppliers 													
		⑭Promote global CO ₂ management	<ul style="list-style-type: none"> Promote and plan total CO₂ management in global business activities 													
		⑮Reduce life-cycle burden on the environment through active planning toward Toyota ECO-VAS	<ul style="list-style-type: none"> Toyota Motor Corporation and Toyota Auto Body are implementing vehicle environmental assessment (Eco-VAS) for model changes and new vehicles. 													
		⑯Promote sustainable plant activities	<ul style="list-style-type: none"> Promote creating manufacturing that harmonizes with the community and nature Promote developing low CO₂ production technology, daily kaizen, recyclable energy, and plant greenification activities 													
		⑰Promote and achieve environment education	<ul style="list-style-type: none"> Continuously provide environmental education for practical operations in addition to improving environmental awareness of employees Achieve environmental education for domestic and overseas consolidated businesses 													
⑱Achieve active disclosure of environmental information and communication activities	<ul style="list-style-type: none"> Continue enhancing and issuing the CSR Report Enhance environmental information provided for use on our Toyota Auto Body home page Achieve communication with our communities and society 															