

# Sixth Environmental Action Plan Results

Our efforts to achieve a sustainable society are focused in four areas: "Building a decarbonized society," "Building a recycling society," "Environmental Preservation and Building Environmentally-Friendly Societies," and "Environmental management."

Theme	Measures Implemented	Results of Activities in FY2020																											
Building a Decarbonized Society	<b>1 CO<sub>2</sub> emissions/percentage of renewable energy</b> <b>Products</b> <ul style="list-style-type: none"> <li>Engineering and development of lightweight rubber and plastic parts for improved automobile fuel efficiency and development of automotive LED products</li> <li>Development of products and technologies in new fields corresponding to new energy trends</li> </ul> <b>Production</b> <ul style="list-style-type: none"> <li>Daily <i>kaizen</i> in plants</li> <li>More efficient equipment (LED lighting, upgraded utilities and air conditioning, etc.)</li> <li>Development and introduction of innovative processes</li> <li>Energy replacement</li> </ul>	<ul style="list-style-type: none"> <li>Lighter weight products for improved automobile fuel efficiency</li> <li>Reducing CO<sub>2</sub> emissions by cutting energy waste during production</li> <li>Utilization renewable energy</li> </ul>																											
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<b>2 Reductions in 6 greenhouse gases*1</b> <ul style="list-style-type: none"> <li>Magnesium, LED</li> </ul>	<ul style="list-style-type: none"> <li>Reduction of greenhouse gases (6 gases)</li> </ul>																												
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<b>3 Contributions as a manufacturer of environmentally-friendly LEDs</b> <ul style="list-style-type: none"> <li>Development and market launch of LED products</li> </ul>	<ul style="list-style-type: none"> <li>Development and spread of LED products</li> </ul>																												
Building a Recycling Society	<b>4 Reductions in waste</b> <b>Products</b> <ul style="list-style-type: none"> <li>Engineering and technical development of products that are easily recyclable for effective use of resources</li> <li>Reductions in raw materials with lighter weights</li> </ul> <b>Production</b> <ul style="list-style-type: none"> <li>Measures against emissions sources by raising yield</li> <li>Promotion of in-house recycling of rubber, plastic, metal, etc.</li> <li>Making waste into resources</li> <li>Japan : Continuation of moving toward zero landfill waste (Other countries: Activities to reduce landfill waste)</li> </ul>	<ul style="list-style-type: none"> <li>Development of product recycling technology</li> <li>Reduction of waste material during production</li> </ul>																											
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<b>Distribution</b> <ul style="list-style-type: none"> <li>Reduction in packing materials by reviewing packing and packaging specifications</li> </ul>	<ul style="list-style-type: none"> <li>Reduction of packaging materials during shipping</li> </ul>																												
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\*1 Hydrofluorocarbon (HFC), perfluorocarbon (PFC), sulfur hexafluoride (SF<sub>6</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), nitrogen trifluoride (NF<sub>3</sub>)  
 \*2 The amount of packing material used has increased with the increased shipments of spare parts due to the heavy rains and flooding in northern Kyushu in 2017 and west Japan in 2018, as well as the larger size of parts.  
 [1] Figure with the reference value taken as 100

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Building a Recycling Society	<b>5 Reduction and effective usage of water</b> <ul style="list-style-type: none"> <li>Elimination of loss by visualization of water usage</li> <li>Reduction of water use by recycling, such as reuse of wastewater</li> </ul>	<ul style="list-style-type: none"> <li>Reduction of water usage</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2020 target</th> <th>2020 Achievements</th> <th>Rating</th> </tr> </thead> <tbody> <tr> <td>Japan, consolidated</td> <td></td> <td></td> <td>57<sup>[1]</sup></td> <td>43% decrease vs. 2012</td> <td>○</td> </tr> <tr> <td>Toyoda Gosei</td> <td>Water used per sales unit</td> <td>8% decrease vs. 2012</td> <td>82<sup>[1]</sup></td> <td>18% decrease vs. 2012</td> <td>○</td> </tr> <tr> <td>Overseas affiliates</td> <td></td> <td></td> <td>55<sup>[1]</sup></td> <td>45% decrease vs. 2012</td> <td>○</td> </tr> </tbody> </table>		Item	2020 target	2020 Achievements	Rating	Japan, consolidated			57 <sup>[1]</sup>	43% decrease vs. 2012	○	Toyoda Gosei	Water used per sales unit	8% decrease vs. 2012	82 <sup>[1]</sup>	18% decrease vs. 2012	○	Overseas affiliates			55 <sup>[1]</sup>	45% decrease vs. 2012	○
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Environmental Preservation and Building Environmentally-Friendly Societies	<b>6 Control/reduction of substances of concern</b> <ul style="list-style-type: none"> <li>Promotion of global control</li> </ul>	<ul style="list-style-type: none"> <li>Strengthened management of chemicals contained in products</li> </ul>																							
	<b>7 Reduction of VOCs*3</b> <ul style="list-style-type: none"> <li>Substitution of paint, washing thinners</li> <li>Amounts of these substances were optimized and decreased with new and reconsidered processes</li> </ul>	<ul style="list-style-type: none"> <li>Reduction of VOCs in production processes</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2020 target</th> <th>2020 Achievements</th> <th>Rating</th> </tr> </thead> <tbody> <tr> <td>Japan, consolidated</td> <td rowspan="2">VOC emissions per sales unit</td> <td rowspan="2">6% decrease vs. 2012</td> <td>68<sup>[1]</sup></td> <td>32% decrease vs. 2012</td> <td>○</td> </tr> <tr> <td>Toyoda Gosei</td> <td>72<sup>[1]</sup></td> <td>28% decrease vs. 2012</td> <td>○</td> </tr> </tbody> </table>		Item	2020 target	2020 Achievements	Rating	Japan, consolidated	VOC emissions per sales unit	6% decrease vs. 2012	68 <sup>[1]</sup>	32% decrease vs. 2012	○	Toyoda Gosei	72 <sup>[1]</sup>	28% decrease vs. 2012	○								
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	<b>8 Reduction of exhaust gases</b> <ul style="list-style-type: none"> <li>Adoption of low exhaust vehicles</li> </ul>	<ul style="list-style-type: none"> <li>Vehicles with lower NO<sub>x</sub> and SO<sub>x</sub> are adopted when vehicles need to be replaced</li> </ul>																							
	<b>9 Environmentally-friendly activities with ties to the community</b> <ul style="list-style-type: none"> <li>Activities in conjunction with all of Toyota, government agencies, and NPOs</li> <li>Expansion in the area of natural organism growth in the Toyoda Gosei Group (plant afforestation, biotopes)</li> </ul>	<ul style="list-style-type: none"> <li>Cleaning of Fujimae Tidal Flat (Aichi), eradication of Lance-leaved Coreopsis (Aichi), ecosystem preservation activities in Lake Izunuma-Uchinuma (Miyagi)</li> <li>Plant afforestation activities at sites worldwide</li> <li>Biotope creation using a regulating pond at the Heiwacho Plant and implementation of biological surveys</li> <li>Expansion of Toyoda Gosei's "Kimori no sato" woodland maintenance activities</li> <li>Participation in the All Toyota Green Wave Project</li> <li>Awarded Aichi/Nagoya Biodiversity Best Practices</li> </ul>																							
	<b>10 Environmental contributions to the community</b> <ul style="list-style-type: none"> <li>Contributing to local communities through environmental activities including leading-edge eco plants (Education for local residents, children, others)</li> </ul>	<ul style="list-style-type: none"> <li>Environmental education in elementary schools in Nagoya City</li> </ul>																							
	<b>11 Social contribution activities and support for related projects</b> <ul style="list-style-type: none"> <li>Community beautification with a global cleanup</li> <li>Support for related projects (Toyota Shirakawa-Go Eco-Institute, Japan Business and Biodiversity Partnership)</li> </ul>	<ul style="list-style-type: none"> <li>Support for dairy farmers and forestry businesses in Gifu Prefecture</li> <li>Participation in Toyota Shirakawa-Go Eco-Institute, Japan Business and Biodiversity Partnership</li> </ul>																							
	<b>12 Contributions to environmental policy</b> <ul style="list-style-type: none"> <li>Contributions to environmental policy and reductions of affiliated organizations (Japan Auto Parts Industries Association, Japan Rubber Manufacturers Association, others)</li> </ul>	<ul style="list-style-type: none"> <li>Participation in the environmental policy of the Japan Auto Parts Industries Association, Japan Rubber Manufacturers Association, others</li> </ul>																							
Environmental Management	<b>13 Consolidated environmental management</b> <ul style="list-style-type: none"> <li>Enhancement of consolidated environmental management activities globally</li> <li>Strengthened compliance management</li> <li>Activities to reduce environmental impacts</li> </ul>	<ul style="list-style-type: none"> <li>Environmental activities</li> <li>Maintenance of environmental management systems with international affiliates</li> <li>Environmental audits</li> <li>Strengthened control with compliance/environmental "no defects/complaints" activities</li> <li>Proper disposal and storage of devices containing PCBs</li> <li>Soil/groundwater preservation</li> </ul>																							
	<b>14 Coordinated environmental activities with business partners</b> <ul style="list-style-type: none"> <li>Enhanced activities in coordination with materials and parts suppliers</li> <li>Enhanced control of substances of concern included in parts, raw materials, and production equipment supplied to Toyoda Gosei</li> <li>Compliance with environmental regulations at suppliers and requests for voluntary activities to improve environmental performance</li> </ul>	<ul style="list-style-type: none"> <li>Green procurement</li> </ul>																							
	<b>15 Stronger employee training and education activities globally</b> <ul style="list-style-type: none"> <li>Activities to raise employees' environmental awareness</li> <li>Systematic environmental education</li> <li>Environment Month activities spread globally</li> <li>Information and education through in-house newsletters and other activities</li> </ul>	<ul style="list-style-type: none"> <li>Environmental training</li> <li>Environmental education                             <ul style="list-style-type: none"> <li>Environment Month (Environmental exhibit, Eco tour, <i>Mottainai</i> senryu, etc.)</li> <li>Environmental forum</li> <li>Environmental awareness survey</li> <li>Environmental contribution awards</li> <li>Operation of a system for the use of unneeded items, the TG Flea Market</li> <li>Green curtains</li> </ul> </li> </ul>																							
	<b>16 Active disclosure of environmental information and enhanced communication activities</b> <ul style="list-style-type: none"> <li>Enhanced provision of product environmental technology</li> <li>Continued publication and enhanced content of the Toyoda Gosei Report (once/year)</li> <li>Enhanced environmental communication activities</li> <li>Information disclosure to assessment organizations whenever possible</li> </ul>	<ul style="list-style-type: none"> <li>Issuance of Toyoda Gosei Report 2021</li> <li>Disclosure of environmental information on the Web</li> <li>Support for TCFD and information disclosure</li> <li>Explanation of environmental activities in IR and ESG briefings</li> <li>Disclosure of environmental information in financial statements</li> <li>Response to CDP questionnaire (climate change, work security)</li> </ul>																							

\*3 VOC : Volatile organic compounds

For CO<sub>2</sub> emissions we received third-party verification.