

# Seventh Environmental Action Plan (FY2021–FY2025)

The 7<sup>th</sup> Environmental Action Plan formulated, laying out targets for 2025 on the way to achieving the TG 2050 Environmental Challenge and 2030 milestones.

Theme	Implementation measures and targets																																						
Building a Decarbonized Society	<p>◆Reduction of CO<sub>2</sub> emissions</p> <p>CO<sub>2</sub> reductions over the entire product lifecycle</p> <ul style="list-style-type: none"> <li>Development of products for BEVs, FCEVs and other electric vehicles</li> <li>Lightweight products that lead to improved vehicle fuel and electricity efficiency, design and development of LED-applied products</li> <li>Development of environmentally-friendly products in conjunction with materials and parts manufacturers</li> <li>Product design for easy assembly and disassembly</li> </ul> <p>Reduction of CO<sub>2</sub> at plants</p> <ul style="list-style-type: none"> <li>Daily <i>kaizen</i> for thorough elimination of waste in plants</li> <li>More efficient equipment (upgraded utilities and air conditioning, etc.)</li> <li>Development and introduction of innovative manufacturing methods and processes</li> <li>Introduction and expansion of renewable energy</li> </ul> <p>Development of new technology</p> <ul style="list-style-type: none"> <li>Development and consideration of CO<sub>2</sub> capture and energy usage</li> </ul> <p>CO<sub>2</sub> emissions at plants/percentage of renewable energy</p> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2025 target</th> <th>(Reference) 2030 targets</th> <th>TG 2050 Environmental Challenge</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Global, consolidated</td> <td>CO<sub>2</sub> emissions</td> <td>25% decrease vs. 2015</td> <td>50% decrease vs. 2013</td> <td rowspan="2">Carbon neutrality</td> </tr> <tr> <td>percentage of renewable energy</td> <td>12%</td> <td>20%</td> </tr> <tr> <td rowspan="2">Toyoda Gosei</td> <td>CO<sub>2</sub> emissions</td> <td>25% decrease vs. 2015</td> <td>50% decrease vs. 2013</td> <td rowspan="2">Carbon neutrality</td> </tr> <tr> <td>percentage of renewable energy</td> <td>20%</td> <td>50%</td> </tr> </tbody> </table> <p>Distribution</p> <p>Reduction of CO<sub>2</sub> emissions through transport efficiency</p> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2025 target</th> <th>(Reference) 2030 targets</th> </tr> </thead> <tbody> <tr> <td>Toyoda Gosei</td> <td>CO<sub>2</sub> basic unit</td> <td>10% decrease vs. 2015</td> <td>15% decrease vs. 2015</td> </tr> </tbody> </table> <p>◆Reducing emissions of greenhouse gases (6 gases)</p> <p>Promoting alternatives to magnesium, LED manufacturing gas</p> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2025 target</th> </tr> </thead> <tbody> <tr> <td>Toyoda Gosei</td> <td>6 gases emissions</td> <td>Maintaining current status</td> </tr> </tbody> </table>					Item	2025 target	(Reference) 2030 targets	TG 2050 Environmental Challenge	Global, consolidated	CO <sub>2</sub> emissions	25% decrease vs. 2015	50% decrease vs. 2013	Carbon neutrality	percentage of renewable energy	12%	20%	Toyoda Gosei	CO <sub>2</sub> emissions	25% decrease vs. 2015	50% decrease vs. 2013	Carbon neutrality	percentage of renewable energy	20%	50%		Item	2025 target	(Reference) 2030 targets	Toyoda Gosei	CO <sub>2</sub> basic unit	10% decrease vs. 2015	15% decrease vs. 2015		Item	2025 target	Toyoda Gosei	6 gases emissions	Maintaining current status
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Building a Recycling Society	<p>◆Reductions in waste</p> <p>Products</p> <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> <p>Plants</p> <ul style="list-style-type: none"> <li>Raising yield to counter sources of emissions</li> <li>Waste reduction activities to minimize material remnants and waste</li> <li>Recycling of rubber and plastic</li> <li>Moving toward zero landfill waste overseas</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2025 target</th> <th>(Reference) 2030 targets</th> <th>TG 2050 Environmental Challenge</th> </tr> </thead> <tbody> <tr> <td>Toyoda Gosei</td> <td>Waste volume</td> <td>40% decrease vs. 2012</td> <td>50% decrease vs. 2012</td> <td rowspan="2">Minimization</td> </tr> <tr> <td>Overseas affiliates</td> <td>Waste volume per sales unit</td> <td>50% decrease vs. 2015</td> <td>55% decrease vs. 2015</td> </tr> </tbody> </table> <p>Distribution</p> <ul style="list-style-type: none"> <li>Reduction in packing materials by reviewing packing and packaging specifications</li> <li>Use of nature-derived materials and utilization of packing materials that use recycled materials</li> </ul>					Item	2025 target	(Reference) 2030 targets	TG 2050 Environmental Challenge	Toyoda Gosei	Waste volume	40% decrease vs. 2012	50% decrease vs. 2012	Minimization	Overseas affiliates	Waste volume per sales unit	50% decrease vs. 2015	55% decrease vs. 2015																					
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Building a Recycling Society	<p>◆Reducing water risks</p> <ul style="list-style-type: none"> <li>Visualization of water risks and reduction of loss</li> <li>Reduction in amount of water used by recycling wastewater</li> <li>Installation of wastewater treatment facilities for cleaner wastewater</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2025 target</th> <th>(Reference) 2030 targets</th> <th>TG 2050 Environmental Challenge</th> </tr> </thead> <tbody> <tr> <td rowspan="2">High risk area</td> <td>Water quality</td> <td>Measures completed at two locations</td> <td>Measures completed at four locations</td> <td rowspan="4">Minimization of water risks</td> </tr> <tr> <td>Water intake</td> <td>Measures completed at three locations</td> <td>Measures completed at seven locations</td> </tr> <tr> <td>Low risk area</td> <td>Water intake per sales unit</td> <td>6% decrease vs. 2019</td> <td>11% decrease vs. 2019</td> </tr> </tbody> </table>					Item	2025 target	(Reference) 2030 targets	TG 2050 Environmental Challenge	High risk area	Water quality	Measures completed at two locations	Measures completed at four locations	Minimization of water risks	Water intake	Measures completed at three locations	Measures completed at seven locations	Low risk area	Water intake per sales unit	6% decrease vs. 2019	11% decrease vs. 2019						
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Environmental Preservation and Building Environmentally-Friendly Societies	<p>◆Control/reduction of substances of concern</p> <ul style="list-style-type: none"> <li>Promotion of global control</li> </ul> <p>◆Reduction of VOCs</p> <ul style="list-style-type: none"> <li>Substitution of paint, washing thinners</li> <li>Amounts of these substances are optimized and decreased with new and reconsidered processes</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2025 target</th> <th>(Reference) 2030 targets</th> </tr> </thead> <tbody> <tr> <td>Toyoda Gosei</td> <td>VOC emissions per sales unit</td> <td>Maintaining current status</td> <td>Maintaining current status</td> </tr> </tbody> </table> <p>◆Reduction of exhaust gases</p> <ul style="list-style-type: none"> <li>Adoption of low exhaust vehicles</li> </ul> <p>◆Environmentally-friendly activities for biodiversity</p> <ul style="list-style-type: none"> <li>The Toyoda Gosei Group promotes woodland maintenance, biotope creation, tidal flat preservation and more</li> <li>Activities in conjunction with government authorities, NPOs, and the Toyota Group</li> <li>Promotion of "No Net Loss of Greenery" activities</li> </ul> <table border="1"> <thead> <tr> <th></th> <th>Item</th> <th>2025 target</th> <th>(Reference) 2030 targets</th> <th>TG 2050 Environmental Challenge</th> </tr> </thead> <tbody> <tr> <td>Global, consolidated</td> <td>No. of activities</td> <td colspan="3">Implementation of nature activities (&gt;1 time/year)</td> </tr> <tr> <td>Toyoda Gosei</td> <td>Area of green restoration</td> <td>+18% restoration compared with 2019</td> <td>+35% restoration compared with 2019</td> <td>100% restoration</td> </tr> </tbody> </table>					Item	2025 target	(Reference) 2030 targets	Toyoda Gosei	VOC emissions per sales unit	Maintaining current status	Maintaining current status		Item	2025 target	(Reference) 2030 targets	TG 2050 Environmental Challenge	Global, consolidated	No. of activities	Implementation of nature activities (>1 time/year)			Toyoda Gosei	Area of green restoration	+18% restoration compared with 2019	+35% restoration compared with 2019	100% restoration
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	<p>◆Environmental contributions to the community</p> <ul style="list-style-type: none"> <li>Working together with and contributing to local communities through environmental activities</li> <li>Environmental education for students and young children</li> </ul>																										
	<p>◆Social contribution activities and support for related projects</p> <ul style="list-style-type: none"> <li>Community beautification with a global cleanup</li> <li>Support for related projects (Shirakawa-Go Eco-Institute, Japan Business and Biodiversity Partnership, Owari Seibu Ecosystem Network)</li> </ul>																										
Environmental Management	<p>◆Consolidated environmental management</p> <ul style="list-style-type: none"> <li>Enhancement of consolidated environmental management activities globally</li> <li>Legal compliance management and activities to prevent environmental problems</li> <li>Activities to reduce environmental impacts</li> </ul>																										
	<p>◆Coordinated environmental activities with business partners</p> <ul style="list-style-type: none"> <li>Environmental activities in conjunction with materials and parts manufacturers and other suppliers</li> <li>Compliance with environmental laws and improved environmental performance at suppliers</li> </ul>																										
	<p>◆Conducting employee training and education activities globally</p> <ul style="list-style-type: none"> <li>Systematic environmental education</li> <li>Activities to raise employees' environmental awareness</li> <li>Information dissemination and educational activities for employees using newsletters and other means</li> </ul>																										
	<p>◆Sharing environmental information outside the company and engagement</p> <ul style="list-style-type: none"> <li>Information disclosure through annual report, other means</li> <li>Information disclosure through environmental surveys by the media, NGOs, and government agencies</li> <li>Engagement with stakeholders</li> </ul>																										
	<p>◆Environmental activities in coordination with external organizations</p> <ul style="list-style-type: none"> <li>Participation in and support for environmental activities by the Japan Auto Parts Industries Association, Japan Rubber Manufacturers Association and others</li> </ul>																										