

FY 2018 Environmental Activities Summary

Results for the 6th Environmental Action Plan (2016 to 2020)

Tokai Rika has established the “6th Environmental Action Plan” to guide its environmental activities, has set specific figures as its targets, and is working toward achieving them. We successfully achieved all of our targets in FY 2018.

	Action items	FY 2018 activities results	FY 2018 target value	FY 2018 results	Assessment	Page to refer to
<b>Establishing a Low-carbon Society</b>						
Reduction of CO <sub>2</sub> emissions	<ul style="list-style-type: none"> <li>Use or development of low-CO<sub>2</sub> production engineering</li> <li>CO<sub>2</sub> reduction by daily improvement activities</li> </ul>	<ul style="list-style-type: none"> <li>Introduction of renewable energy</li> <li>Improvement of energy-saving production equipment through an Energy Saving Subcommittee</li> <li>Horizontal development activities for energy-saving improvement</li> <li>Horizontal development activities for example cases of Karakuri mechanisms</li> <li>Enlightenment activities (Exhibitions, Outstanding Example Award)</li> </ul>	Tokai Rika Group <b>92.6</b> t-CO <sub>2</sub> / 100 million yen	Tokai Rika Group <b>85.4</b> t-CO <sub>2</sub> / 100 million yen	○	▶ P.38
	Promotion of more compact and lightweight designs for products	<ul style="list-style-type: none"> <li>More compact and lightweight</li> </ul>	—	—	○	▶ P.42
	Reduction in greenhouse gases	<ul style="list-style-type: none"> <li>Substituting for SF<sub>6</sub> in magnesium alloy casting processes</li> </ul>	—	—	○	▶ P.43
	Pursuit of efficient transportation in logistics activities and reducing CO <sub>2</sub> emissions	<ul style="list-style-type: none"> <li>Improvement of transportation efficiency, by reviewing the routes</li> <li>Improvement of transportation efficiency, by improving the packaging</li> </ul>	Tokai Rika <b>1.27</b> t-CO <sub>2</sub> / 100 million yen	Tokai Rika <b>1.15</b> t-CO <sub>2</sub> / 100 million yen	○	▶ P.43
<b>Establishing a Society in Harmony with Nature</b>						
Reducing environmentally hazardous substances in production activities	<ul style="list-style-type: none"> <li>Continuous management of PRTR substances and promotion of reduction activities</li> </ul>	<ul style="list-style-type: none"> <li>Reducing consumption of PRTR substances</li> <li>Reducing emission of VOCs</li> </ul>	—	—	○	▶ P.44
Enhancing the management of chemical substances in products	<ul style="list-style-type: none"> <li>Enhancing the management of chemical substances contained in products based on regulatory trends in each country and each region, and promotion of changing over to substances with a lower environmental load</li> </ul>	<ul style="list-style-type: none"> <li>Promotion of lead-free soldering</li> <li>Switching to products that do not contain newly regulated substances</li> </ul>	—	—	○	▶ P.45
Promotion of social contribution activities that will assist the establishing of a society in harmony with nature	<ul style="list-style-type: none"> <li>Active social contribution through links with local communities, and promotion of volunteer activities</li> <li>Enhancement of grants to environmental activities</li> </ul>	<ul style="list-style-type: none"> <li>Social contribution and volunteer activities through links with local communities</li> </ul>	—	—	○	▶ P.45
Promotion of environmental preservation / conservation of biodiversity	<ul style="list-style-type: none"> <li>Promotion of environmental preservation / conservation of biodiversity in accordance with the biodiversity guidelines shared by All Toyota and the needs of each region</li> <li>Implementation of education that is rooted in the local community and makes use of offices and in-the-field locations in each region</li> </ul>	<ul style="list-style-type: none"> <li>Tree planting and conservation of Satoyama activities</li> <li>Participation in All Toyota cooperative activities</li> </ul>	—	—	○	▶ P.46
<b>Establishing a Recycling-based Society</b>						
Promoting product designs and technological developments to make recycling easy	<ul style="list-style-type: none"> <li>Promotion of more recyclable product designs and the use of more recyclable materials</li> </ul>	<ul style="list-style-type: none"> <li>Improvement of ease of disassembly, by reviewing the design</li> <li>Promotion of the use of recycled materials</li> </ul>	—	—	○	▶ P.47
Effective use of resources and reduction of packaging and wrapping materials in logistics activities	<ul style="list-style-type: none"> <li>Promotion of improvement centered on making wrapping materials returnable and lightweight</li> </ul>	<ul style="list-style-type: none"> <li>Reduction of packing and wrapping materials, by reviewing the packing methods</li> <li>Making packing materials reusable</li> </ul>	Tokai Rika <b>0.60</b> t / 100 million yen	Tokai Rika <b>0.55</b> t / 100 million yen	○	▶ P.47
Reduction of waste in production activities and efficient use of natural resources	<ul style="list-style-type: none"> <li>Waste reduction by daily improvements, and use or development of waste reduction production engineering</li> </ul>	<ul style="list-style-type: none"> <li>Improvement of production yields</li> <li>Promotion of 3R (reduce, reuse, recycle) activities</li> </ul>	Tokai Rika <b>2.31</b> t / 100 million yen	Tokai Rika <b>1.79</b> t / 100 million yen	○	▶ P.48
Reduction of use of water in production activities	<ul style="list-style-type: none"> <li>Promotion of continuous reduction activities for water consumption, taking into consideration the situation regarding the aquatic environment in each country and region</li> </ul>	<ul style="list-style-type: none"> <li>Use of recycled water (semiconductors, plating processes)</li> <li>Risk assessment on water</li> </ul>	—	—	○	▶ P.49
<b>Environmental Management</b>						
Enhancing and promoting consolidated environmental management	<ul style="list-style-type: none"> <li>Enhanced environment committee activities in and outside of Japan for the execution of activities to ensure the top-level environmental performance of different countries and regions</li> <li>Complying with the environment-related laws of different countries and regions, and strengthening environmental risk prevention activities</li> </ul>	<ul style="list-style-type: none"> <li>Enhancing and promoting consolidated environmental management</li> <li>Acquisition of EMS external certification at overseas production bases</li> <li>Appropriate treatment of PCBs</li> </ul>	—	—	○	▶ P.50
Promotion of environmental activities in cooperation with business partners	<ul style="list-style-type: none"> <li>Enhancing further cooperation with suppliers and promoting global activities to improve the environment together</li> </ul>	<ul style="list-style-type: none"> <li>Deployment of environmental information to partner companies</li> <li>Actual-location study activities with partner companies</li> </ul>	—	—	○	▶ P.52
Improvement of the urban air environment in each country and region	<ul style="list-style-type: none"> <li>Expansion of the introduction of low-emission vehicles in each country and region</li> </ul>	<ul style="list-style-type: none"> <li>Expansion of the introduction of low-emission vehicles</li> </ul>	—	Tokai Rika <b>44.4%</b>	○	▶ P.52
Enhancing global employee education / enlightenment activities	<ul style="list-style-type: none"> <li>Promotion of enlightenment for awareness regarding environmental preservation, through global environmental education</li> </ul>	<ul style="list-style-type: none"> <li>Environment for training key persons through education</li> <li>Development of enlightenment activities during environment month</li> </ul>	—	—	○	▶ P.53
Proactive disclosure of environment information and enhancement of communication activities	<ul style="list-style-type: none"> <li>Further enhancing the content of information disclosure related to environment</li> <li>Enhancing environmental communication activities in each region</li> </ul>	<ul style="list-style-type: none"> <li>Issuing of the Tokai Rika Report and Eco Data File</li> <li>Hosting of local social gatherings</li> </ul>	—	—	○	▶ P.53