

Action items



## Environmental Management

Enhancing and promoting consolidated environmental management

- 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
- Complying with the environment-related laws of different countries and regions, and strengthening environmental risk prevention activities

Improvement of the urban air environment in each country and region

- Expansion of the introduction of low-emission vehicles

Promotion of environmental activities in cooperation with suppliers

- Enhancing further cooperation with suppliers and promoting global activities to improve the environment together

Enhancing global employee education / enlightenment activities

- Promotion of enlightenment for awareness regarding environmental preservation, through global environmental education

Proactive disclosure of environment information and enhancement of communication activities

- Further enhancing the content of information disclosure related to environment
- Enhancing environmental communication activities



## Establishing a Low-carbon Society

Promotion of more compact and lightweight designs for products

- Promotion of more compact and lightweight designs
- Development of new products / technologies in response to new energy trends
- Understanding and visualizing CO<sub>2</sub> emissions in the life cycles of principal products

Reduction of CO<sub>2</sub> emissions

- CO<sub>2</sub> reduction by daily improvements, and use or development of low-CO<sub>2</sub> production engineering

Reduction in greenhouse gases

- Managing non-energy related greenhouse gases
- Reduction in consumption of SF<sub>6</sub> gas used in magnesium alloy casting

Pursuit of efficient transportation in logistics activities and reducing CO<sub>2</sub> emissions

- Promotion of CO<sub>2</sub> reduction activities by further improving transportation efficiency



## Establishing a Society in Harmony with Nature

Enhancing the management of chemical substances in products

- 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

Reducing environmentally hazardous substances in production activities

- Continuous management of PRTR substances and promotion of reduction activities

Promotion of social contribution activities that will assist the establishing of a society in harmony with nature

- Active social contribution through links with local communities, and promotion of volunteer activities
- Enhancement of grants to environmental activities

Promotion of environmental preservation / conservation of biodiversity

- Promotion of environmental preservation / conservation of biodiversity in accordance with the biodiversity guidelines shared by All Toyota and the needs of each region
- Implementation of education that is rooted in the local community and makes use of offices and in-the-field locations in each region



## Establishing a Recycling-based Society

Promoting product designs and technological developments to make recycling easy

- Promotion of more recyclable product designs and the use of more recyclable materials

Reduction of waste in production activities and efficient use of natural resources

- Waste reduction by daily improvements, and use or development of waste reduction production engineering

Effective use of resources and reduction of packaging and wrapping materials in logistics activities

- Promotion of improvement centered on making wrapping materials returnable and lightweight

Reduction of use of water in production activities

- Promotion of continuous reduction activities for water consumption, taking into consideration the situation regarding the aquatic environment in each country and region

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 2016.

FY 2016 activities results	FY 2016 target value	FY 2016 results	Assessment	Page to refer to
<ul style="list-style-type: none"> <li>● Global environmental activities</li> <li>● Liaison meeting with domestic group companies</li> <li>● Countermeasures for purifying soil and underground water contamination</li> </ul>	—	—	○	▶ P.34
<ul style="list-style-type: none"> <li>● Expanding introduction of low-emission vehicles</li> </ul>	40 % or more	40.4 %	○	—
<ul style="list-style-type: none"> <li>● Deployment of environmental information to partner companies</li> <li>● Actual-location study activities with partner companies</li> <li>● Revision of the Green Purchasing Guidelines</li> </ul>	—	—	○	▶ P.37
<ul style="list-style-type: none"> <li>● Education on compliance with environment-related laws</li> <li>● Development of enlightenment activities during environment month</li> <li>● Training environment key persons in overseas subsidiaries</li> </ul>	—	—	○	▶ P.37
<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>	—	—	○	—
<ul style="list-style-type: none"> <li>● More compact and lightweight</li> </ul>	—	—	○	▶ P.39
<ul style="list-style-type: none"> <li>● Improvement of energy-saving production equipment through an Energy Saving Expert Subcommittee</li> <li>● Horizontal development activities for example cases of energy-saving improvement</li> <li>● Horizontal development activities for example cases of Karakuri mechanisms</li> <li>● Promotion of changeover to LED lights</li> </ul>	50.7 [95.6] t-CO <sub>2</sub> / 100 million yen	47.9 [90.2] t-CO <sub>2</sub> / 100 million yen	○	▶ P.40
<ul style="list-style-type: none"> <li>● Substituting for SF<sub>6</sub> in domestic magnesium alloy casting processes</li> </ul>	—	—	○	▶ P.44
<ul style="list-style-type: none"> <li>● Improvement of transportation efficiency, by reviewing the routes</li> <li>● Improvement of transportation efficiency, by reviewing the packing methods</li> </ul>	1.30 t-CO <sub>2</sub> / 100 million yen	1.26 t-CO <sub>2</sub> / 100 million yen	○	▶ P.44
<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
<ul style="list-style-type: none"> <li>● Reducing consumption of PRTR substances</li> <li>● Reduction of VOC consumption</li> </ul>	—	—	○	▶ P.46
<ul style="list-style-type: none"> <li>● Social contribution and volunteer activities through links with local communities</li> </ul>	—	—	○	▶ P.46
<ul style="list-style-type: none"> <li>● Establishment of biodiversity initiative guidelines</li> <li>● Promotion of tree planting activities</li> <li>● Survey of a local river ecosystem</li> </ul>	—	—	○	▶ P.47
<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.48
<ul style="list-style-type: none"> <li>● Making waste materials recyclable</li> <li>● Improvement of production yields</li> </ul>	2.36 t / 100 million yen	1.66 t / 100 million yen	○	▶ P.48
<ul style="list-style-type: none"> <li>● Reduction of packing materials, by reviewing the packing methods</li> </ul>	0.504 t / 100 million yen	0.463 t / 100 million yen	○	▶ P.49
<ul style="list-style-type: none"> <li>● Use of recycled water (semiconductors, plating processes)</li> </ul>	—	—	○	▶ P.49

\* The target values / results are the values for Tokai Rika Co., Ltd., and values in [ ] are values for the Tokai Rika Group.