

## Environment (E)

### Risk and opportunity associated with climate change and resource depletion

The risks and opportunities associated with climate change and resource depletion are recognized as an important management issue. From a global perspective based on laws, regulations and trends, we are strengthening our responses to the overall financial and social risks from the effects on economic and production activities of more drastic abnormal weather, changing precipitation patterns, droughts and floods.

|                                    | Risk  | Opportunity   |
|------------------------------------|---|---|
| Climate change                     | Please visit our website to see the results of our scenario analysis. <a href="https://www.toyoda-gosei.com/csr/environmental/report11/">https://www.toyoda-gosei.com/csr/environmental/report11/</a> |   |
| Resource recycling                 | Effects of water shortages and floods on production activities  | Cost reductions from re-use and decreased use of water  |
|                                    | Cost increases from difficulty in procuring materials, soaring material prices  | Cost reductions from recycling technology, use of fewer materials   |
| Management (regulatory compliance) | Loss of trust in the company due to environmental problems, including legal violations, and insufficient efforts to protect the environment   | Increase in brand strength from enhanced environmental activities   |
| Biodiversity                       | <ul style="list-style-type: none"> <li>Rising prices for raw materials due to decline in natural resources</li> <li>Decreased product quality due deteriorating water quality</li> </ul>              | <ul style="list-style-type: none"> <li>Business continuity by protecting nature to ensure human resources and raw material</li> <li>Securing quality water resources with forest maintenance, river conservation</li> </ul> |

### Resource utilization and environmental emissions in business activities

To lessen the amount of energy, material and other resource inputs, and maximum product output, we are utilizing our skills in product development, process development and workplace *kaizen* in efforts to

improve through business activities.

The input resources we use include environmentally friendly materials and clean energy.

#### INPUT

|   |   |
|---|---|
| <b>Total material input</b> 39,248t                 | Rubber (rubber sheets) 13,335t              |
| Plastic 25,913t                                     | Excluding purchased parts, metal and liquid |
| <b>Total energy input</b> 2,261,000GJ <sup>*1</sup> | Heavy oil 5,000GJ                           |
| Purchased electricity 1,470,000GJ                   | Kerosene 0GJ                                |
| Renewable energy 19,000GJ                           | LNG 110,000GJ                               |
| City gas 650,000GJ                                  | Gasoline 1,000GJ                            |
| LPG 1,000GJ   |   |
| <b>Water resource input</b> 1,140,000m <sup>3</sup> | Clean water 189,000m <sup>3</sup>           |
| Industrial water 641,000m <sup>3</sup>              | Underground water 311,000m <sup>3</sup>     |
| <b>PRTR<sup>2</sup> substances usage</b> 525t       |   |

\*1 Gigajoule (1,000,000,000 joules)

\*2 Pollutant Release and Transfer Register

\*3 Sulfur oxide

\*4 Nitrogen oxide

\*5 Volatile organic compounds

\*6 Subject operations: 4 plants of Haruhi, Inazawa, Heiwacho and Seto, Kitajima Technical Center, Miwa Technical Center and Sun-Court Inoguchi

#### OUTPUT

|   |   |
|---|---|
| <b>Products</b>                           |   |
| <b>Emitted into the atmosphere</b>        |   |
| CO <sub>2</sub> 93,000t-CO <sub>2</sub>   | NOx <sup>*4</sup> 92t                     |
| 6 gases 2,000t-CO <sub>2</sub>            | Dust 0t                                   |
| SOx <sup>*3</sup> 0t                      | Volume of substances subject to PRTR 77t  |
|   | VOC <sup>*5</sup> emissions 230t          |
| <b>Waste discharge</b>                    |   |
| Landfill waste 0t                         | Industrial waste and general waste 5,927t |
| Incinerated waste 1t                      | For-profit disposal by sale 6,032t        |
|   | Volume of substances subject to PRTR 41t  |
| <b>Wastewater</b>                         |   |
| Total wastewater 870,000m <sup>3</sup>    | Nitrogen emissions <sup>*6</sup> 8.8t     |
| Volume of substances subject to PRTR 0.1t | Phosphorus emissions <sup>*6</sup> 0.6t   |
|   | COD emissions <sup>*6</sup> 4.3t          |

### Environmental impact in the value chain

From the perspective of preserving the earth, we have surveyed and disclosed not only GHG emissions (Scope 1<sup>\*7</sup>, Scope 2<sup>\*8</sup>) in our business activities but also emissions in our entire value chain including excavation of raw materials and product use and disposal (Scope 3<sup>\*9</sup>). Our Carbon Neutrality Project was inaugurated in FY2021 to improve accuracy of Scope 3. Together with this, we have established milestones and created scenarios for carbon neutrality.

\*7 Greenhouse gas emissions emitted directly by the company itself (natural gas and other fossil fuels, etc.)

\*8 Indirectly emitted greenhouse gases (electricity, etc.)

\*9 Greenhouse gases emitted in the supply chain that are indirectly emitted by the company (manufacturing, transport, business travel, commuting, etc.)

#### CO<sub>2</sub> emissions by scope level

