



# Sustainability Data Book 2023

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# I. Natural Capital

## 1. Raw materials

### 1.1 Raw materials used (Tokai Rika)

Unit: t

|                             |                  | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|-----------------------------|------------------|---------|---------|---------|---------|---------|
| Renewable raw materials     | Resin materials  | 10,693  | 12,234  | 9,978   | 9,767   | 9,090   |
|                             | Zinc             | 2,581   | 1,729   | 1,407   | 1,445   | 1,334   |
|                             | Aluminum         | 629     | 1,486   | 1,623   | 1,109   | 963     |
|                             | Magnesium        | 1,792   | 1,913   | 1,712   | 1,586   | 1,273   |
|                             | Iron             | 6,770   | 7,873   | 6,942   | 7,365   | 6,881   |
|                             | Copper           | 2,953   | 2,704   | 2,281   | 2,385   | 2,144   |
|                             | Nickel           | 25      | 31      | 20      | 20      | 15      |
|                             | Solder materials | 10      | 10      | 10      | 13      | 7       |
|                             | Silver           | 0.5     | 0.5     | 0.5     | 0.4     | 0.2     |
|                             | Glass            | 2       | 0       | 0       | 0       | 0       |
|                             | Total            | 25,456  | 27,981  | 23,974  | 23,690  | 21,707  |
| Non-renewable raw materials | Resin materials  | 155     | 207     | 239     | 291     | 265     |
|                             | Urethane         | 229     | 290     | 220     | 186     | 153     |
|                             | Total            | 384     | 497     | 459     | 477     | 418     |
| Total                       |                  | 25,840  | 28,478  | 24,433  | 24,167  | 22,125  |

### 1.2 Amount of packaging materials used in logistics (Tokai Rika)

|  | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|--|---------|---------|---------|---------|---------|
| Usage amount (t)                         | 1,409   | 1,383   | 1,314   | 1,389   | 1,114   |
| Base unit: per sales (t/100 million yen) | 0.55    | 0.54    | 0.57    | 0.65    | 0.53    |

### 1.3 Amount of recycled materials used (Tokai Rika)

Unit: t

|  | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|--|---------|---------|---------|---------|---------|
| Amount of recycled materials used                      | 1,006   | 1,056   | 858     | 777     | 648     |
| Percentage of recycled materials used in raw materials | 4.9%    | 4.2%    | 3.9%    | 3.5%    | 3.2%    |

## 2. Energy

### 2.1 Energy consumption by region

Unit: GJ

|                          | FY 2018   | FY 2019   | FY 2020   | FY 2021   | FY 2022   |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Tokai Rika               | 531,544   | 536,312   | 489,474   | 486,988   | 458,323   |
| Domestic subsidiaries    | 94,717    | 103,241   | 86,013    | 84,968    | 84,323    |
| Overseas bases           | 664,312   | 689,971   | 646,895   | 687,890   | 654,591   |
| Total (Tokai Rika Group) | 1,290,572 | 1,329,525 | 1,222,382 | 1,259,846 | 1,197,236 |

### 2.2 Energy consumption by type (Tokai Rika Group)

Unit: GJ

|                  | FY 2018     | FY 2019   | FY 2020   | FY 2021   | FY 2022   |
|------------------|-------------|-----------|-----------|-----------|-----------|
| Electricity      | 818,186     | 860,898   | 792,348   | 814,192   | 760,724   |
| Fuel             | City gas    | 233,931   | 232,540   | 199,800   | 177,463   |
|                  | Natural gas | 129,754   | 123,940   | 124,012   | 117,281   |
|                  | LPG         | 58,578    | 58,772    | 42,647    | 39,313    |
|                  | Butane gas  | 6,993     | 6,553     | 7,115     | 9,432     |
|                  | Heavy oil   | 636       | 0         | 0         | 0         |
|                  | Kerosene    | 0         | 0         | 0         | 0         |
|                  | Gasoline    | 1,176     | 837       | 717       | 841       |
|                  | Light oil   | 2,145     | 1,889     | 1,878     | 2,515     |
| Steam            | 16,820      | 16,407    | 21,124    | 16,680    | 19,188    |
| Renewable energy | 22,355      | 27,689    | 42,932    | 53,000    | 70,342    |
| Total            | 1,290,572   | 1,329,525 | 1,226,990 | 1,259,846 | 1,197,236 |

### 2.3 Energy base unit (per in-house processing margin)

Unit: GJ / 100 million yen

|                  | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|------------------|---------|---------|---------|---------|---------|
| Tokai Rika       | 537     | 521     | 503     | 482     | 443     |
| Tokai Rika Group | 794     | 775     | 751     | 728     | 670     |

### 2.4 Effect of reducing energy consumption through energy-saving activities

Unit: GJ

|                  | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|------------------|---------|---------|---------|---------|---------|
| Tokai Rika       | 28,214  | 16,124  | 17,187  | 22,083  | 39,992  |
| Tokai Rika Group | 57,520  | 37,152  | 49,082  | 61,941  | 85,959  |

## 3. Water

### 3.1 Water withdrawal

Unit: thousand m<sup>3</sup>

|                  | FY 2018          | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|------------------|------------------|---------|---------|---------|---------|
| Tokai Rika       | Tap water        | 217     | 237     | 224     | 227     |
|                  | Industrial water | 119     | 114     | 102     | 97      |
|                  | Groundwater      | 197     | 201     | 192     | 188     |
|                  | Total            | 533     | 551     | 518     | 513     |
| Tokai Rika Group |                  | 1,009   | 1,007   | 915     | 960     |

### 3.2 Water consumption

Unit: thousand m<sup>3</sup>

|                  | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|------------------|---------|---------|---------|---------|---------|
| Tokai Rika       | 98      | 88      | 76      | 75      | 54      |
| Tokai Rika Group | 173     | 173     | 170     | 173     | 157     |

### 3.3 Water reuse (Tokai Rika)

Unit: thousand m<sup>3</sup>

|   | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---|---------|---------|---------|---------|---------|
| Reuse amount                                    | 24      | 23      | 21      | 23      | 20      |
| Ratio of reused water to total water withdrawal | 4.6%    | 4.2%    | 4.0%    | 4.4%    | 4.5%    |

## 4. Chemical substances

### 4.1 VOC emissions (Tokai Rika)

Unit: t

|   | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---|---------|---------|---------|---------|---------|
| Isopropyl alcohol                         | 11.3    | 8.9     | 9.1     | 7.1     | 7.0     |
| Ethyl acetate                             | 10.0    | 10.8    | 8.0     | 7.7     | 11.1    |
| Butyl acetate                             | 4.9     | 5.4     | 4.2     | 3.9     | 4.7     |
| Methylcyclohexane                         | 8.9     | 11.2    | 9.3     | 8.3     | 11.5    |
| Isobutyl acetate                          | 5.6     | 10.1    | 7.5     | 7.4     | 9.3     |
| Propylene glycol monomethyl ether         | 4.4     | 5.8     | 5.1     | 3.6     | 3.1     |
| Propylene glycol monomethyl ether acetate | 2.9     | 5.1     | 4.2     | 3.7     | 3.3     |
| Kerosene                                  | 5.9     | 5.6     | 4.6     | 4.5     | 3.5     |
| Ethylbenzene                              | 0.1     | 0.1     | 0.1     | 0.1     | 0.0     |
| Xylene                                    | 0.3     | 0.2     | 0.3     | 0.2     | 0.2     |
| Toluene                                   | 3.0     | 1.9     | 0.9     | 0.5     | 0.4     |
| Others (including not PRTR substances)    | 26.1    | 24.7    | 17.5    | 14.4    | 16.9    |
| Total                                     | 83.4    | 89.8    | 70.8    | 61.4    | 71.0    |

### 4.2 PRTR emissions (Tokai Rika)

Unit: kg

| VOC Emissions (Total Risk) |   | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|----------------------------|---|---------|---------|---------|---------|---------|
| Head Plant                 | Toluene                                     | 861     | 489     | 236     | 90      | 58      |
|                            | Hydrogen fluoride and water-soluble salts   | 69      | 125     | 173     | 194     | 136     |
| Toyota Plant               | Water-soluble zinc compounds                | 18      | 8       | 8       | 13      | 6       |
|                            | Ferric chloride                             | 35      | 37      | 39      | 28      | 21      |
|                            | Chromium and trivalent chromium compounds   | 12      | 7       | 6       | 9       | 3       |
|                            | Water-soluble copper salt                   | 2       | 2       | 2       | 2       | 1       |
|                            | Nickel compounds                            | 8       | 8       | 7       | 7       | 4       |
|                            | Boron and its compounds                     | 245     | 311     | 230     | 137     | 99      |
| Otowa Plant                | Linear alkylbenzene sulfonate and its salts | 150     | 175     | 100     | 200     | 225     |
|                            | Ethylbenzene                                | 86      | 73      | 78      | 56      | 48      |
|                            | Xylene                                      | 221     | 193     | 172     | 142     | 102     |
|                            | Toluene                                     | 2,104   | 1,357   | 690     | 419     | 276     |
| Total                      |   | 3,811   | 2,785   | 1,741   | 1,297   | 979     |

## 5. Emissions to the atmosphere

### 5.1 CO<sub>2</sub> emissions in our supply chain (Tokai Rika Group)

Unit: t-CO<sub>2</sub>

| Direct CO2 emissions in our supply chain (Tokai Rika Group) |  | FY 2018 (base year)  | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---|--|--|---------|---------|---------|---------|
| SCOPE 1   | Direct greenhouse gas emissions by Tokai Rika itself                               | 97,025   | 132,738 | 103,175 | 143,746 | 129,743 |
|   | Increase/decrease compared to base year  | —  | 37%     | 6%      | 48%     | 34%     |
| SCOPE 2   | Indirect emissions from the use of electricity, heat, or steam supplied by others. | 122,598  | 106,590 | 93,372  | 96,691  | 90,035  |
|   | Increase/decrease compared to base year  | —  | -13%    | -24%    | -21%    | -27%    |
| SCOPE 3   | Emissions by others related to Tokai Rika's activities.                            | 408,522  | 405,638 | 359,718 | 357,612 | 380,945 |
|   | Increase/decrease compared to base year  | —  | -1%     | -12%    | -12%    | -7%     |
| CATEGORY 1  | Purchased goods and services   | 216,782  | 244,586 | 245,057 | 233,596 | 233,391 |
| CATEGORY 2  | Capital goods  | 81,872   | 79,344  | 42,002  | 49,546  | 66,017  |
| CATEGORY 3  | Fuel- and energy-related activities not included in Scope 1 or Scope 2             | 8,098  | 16,310  | 15,012  | 15,411  | 14,344  |
| CATEGORY 4  | Upstream transportation and delivery   | 66,882   | 44,819  | 43,617  | 45,060  | 42,793  |
| CATEGORY 5  | Waste generated in operations  | 445  | 455     | 419     | 399     | 316     |
| CATEGORY 6  | Business travel  | 7,534  | 4,146   | 1,294   | 1,417   | 2,500   |
| CATEGORY 7  | Employee commuting   | 26,909   | 13,304  | 12,317  | 12,183  | 21,585  |
| CATEGORY 8  | Upstream lease assets  | Included in Scope 1 or Scope 2 and Category 1  |         |         |         |         |
| CATEGORY 9  | Downstream transportation and delivery   | Not applicable   |         |         |         |         |
| CATEGORY 10   | Processing of sold products  | Determined as not applicable since the amount of emissions associated with processing at the customer is extremely small   |         |         |         |         |
| CATEGORY 11   | Use of sold products   | Determined as not applicable since the amount of emissions associated with the use of our products is extremely small      |         |         |         |         |
| CATEGORY 12   | End-of-life treatment of sold products   | Determined as not applicable since the amount of emissions associated with the disposal of our products is extremely small |         |         |         |         |
| CATEGORY 13   | Downstream lease assets  | Included in Scope 1 or Scope 2 and Category 1  |         |         |         |         |
| CATEGORY 14   | Franchises   | Not applicable   |         |         |         |         |
| CATEGORY 15   | Investments  | Included in Scope 1 or Scope 2 and Category 1 or Category 2  |         |         |         |         |
| Total   |  | 628,145  | 644,967 | 556,265 | 598,050 | 600,723 |

## 5.2 Energy CO<sub>2</sub> emissions

Unit: t-CO<sub>2</sub>

|                  |                    | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|------------------|--------------------|---------|---------|---------|---------|---------|
| Tokai Rika       | Head Office        | 6,102   | 6,590   | 5,172   | 5,235   | 4,862   |
|                  | Head Plant         | 12,911  | 12,123  | 10,524  | 10,474  | 10,059  |
|                  | Toyota Plant       | 8,009   | 7,725   | 6,517   | 6,335   | 6,014   |
|                  | Otowa / Hagi Plant | 23,571  | 22,508  | 19,104  | 19,650  | 17,905  |
|                  | Total              | 50,594  | 48,947  | 41,316  | 41,694  | 38,841  |
| Tokai Rika Group |                    | 130,406 | 127,580 | 111,564 | 115,095 | 107,442 |

## 5.3 Energy CO<sub>2</sub> emissions base unit (per in-house processing margin)

Unit: t-CO<sub>2</sub>/100 million yen

|                  | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|------------------|---------|---------|---------|---------|---------|
| Tokai Rika       | 51.1    | 47.6    | 47.6    | 44.4    | 40.4    |
| Tokai Rika Group | 77.2    | 74.9    | 74.0    | 70.3    | 63.3    |

## 5.4 Transport CO<sub>2</sub> emissions (Tokai Rika)

|                                | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|--------------------------------|---------|---------|---------|---------|---------|
| Emissions (t-CO <sub>2</sub> ) | 2,936   | 3,045   | 2,767   | 2,797   | 2,835   |

## 5.5 Greenhouse gas (5 gases) emissions

Unit: t-CO<sub>2</sub>

|                |                  | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|----------------|------------------|---------|---------|---------|---------|---------|
| Tokai Rika     | HFCs             | 92      | 98      | 98      | 97      | 64      |
|                | SF <sub>6</sub>  | 715     | 797     | 719     | 789     | 715     |
|                | PFCs             | 1,769   | 2,287   | 1,830   | 2,469   | 2,441   |
|                | N <sub>2</sub> O | 2       | 2       | 2       | 3       | 2       |
|                | Total            | 2,578   | 3,184   | 2,649   | 3,358   | 3,221   |
| Overseas bases | SF <sub>6</sub>  | 72,278  | 104,134 | 78,534  | 117,603 | 106,535 |

## 5.6 Atmospheric emissions measurement data

Soot and dust (unit: g/Nm<sup>3</sup>), NO<sub>x</sub> (unit: ppm), SO<sub>x</sub> (unit: Nm<sup>3</sup>/H)

|              |                 |              | Regulation value | Voluntary criterion value | Maximum value |         |         |
|--------------|-----------------|--------------|------------------|---------------------------|---------------|---------|---------|
|              |                 |              |                  |                           | FY 2020       | FY 2021 | FY 2022 |
| Head Plant   | Soot and dust   | Boiler       | 0.1              | 0.08                      | 0.004         | 0.002   | 0.002   |
|              |                 | Cogeneration | 0.05             | 0.04                      | 0.003         | 0.003   | 0.014   |
|              | NO <sub>x</sub> | Boiler       | 150              | 120                       | 48            | 58      | 39      |
|              |                 | Cogeneration | 600              | 480                       | 59            | 95      | 49      |
|              | SO <sub>x</sub> | Boiler       | 0.24             | 0.19                      | 0.002         | 0.005   | 0.006   |
|              |                 | Cogeneration | 5.45             | 4.36                      | 0.003         | 0.001   | 0.001   |
| Toyota Plant | Soot and dust   | Boiler       | 0.1              | 0.08                      | 0.003         | 0.003   | 0.003   |
|              | NO <sub>x</sub> | Boiler       | 150              | 120                       | 33            | 28      | 33      |
|              | SO <sub>x</sub> | Boiler       | 4.239            | 3.4                       | —             | 0       | 0       |
| Otowa Plant  | Soot and dust   | Boiler       | 0.1              | 0.08                      | 0.005         | 0.005   | 0.006   |
|              | NO <sub>x</sub> | Boiler       | 150              | 120                       | 53            | 49      | 44      |
|              | SO <sub>x</sub> | Boiler       | 0.17             | 1.36                      | 0.003         | 0.003   | 0.003   |

# 6. Drainage water and waste materials

## 6.1 Drainage water quantity

Unit: thousand m<sup>3</sup>

|                  |        | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|------------------|--------|---------|---------|---------|---------|---------|
| Tokai Rika       | Rivers | 336     | 341     | 326     | 302     | 294     |
|                  | Sewers | 99      | 122     | 116     | 136     | 102     |
|                  | Total  | 435     | 463     | 442     | 438     | 395     |
| Tokai Rika Group |        | 835     | 834     | 745     | 781     | 733     |

## 6.2 Water quality (Tokai Rika)

Unit: mg/L (CFU /cc for coliform bacteria)

|              |  | Regulation value<br>Figures in ( ) indicate daily averages. | Voluntary criterion value | Maximum value |         |         |
|--------------|--|---|---------------------------|---------------|---------|---------|
|              |  |   |                           | FY 2020       | FY 2021 | FY 2022 |
| Head Plant   | pH   | 5.8~8.6   | 6.0~8.3                   | 7.6           | 8.1     | 7.3     |
|              | BOD  | 25(20)  | 20(16)                    | 9.5           | 14      | 15      |
|              | COD  | —   | —                         | 11            | 3.9     | 15      |
|              | SS   | 30(20)  | 20(16)                    | 16            | 11      | 3       |
|              | n-Hex  | 2   | 1.6                       | <0.5          | 0.7     | <0.5    |
|              | Copper   | 1   | 0.8                       | 0.01          | 0.02    | 0.01    |
|              | Zinc   | 2   | 1.6                       | 0.14          | 0.05    | 0.14    |
|              | Soluble iron   | 10  | 8                         | N.D.          | N.D.    | N.D.    |
|              | Total chromium   | 2   | 1.6                       | N.D.          | N.D.    | N.D.    |
|              | Coliform bacteria count  | (3000)  | (2400)                    | N.D.          | N.D.    | N.D.    |
|              | Total nitrogen   | 120(60)   | 60(48)                    | 6.4           | 12      | 9.9     |
|              | Total phosphorus   | 16(8)   | 8(6.4)                    | 0.61          | 0.73    | 0.83    |
|              | Lead   | 0.1   | 0.08                      | N.D.          | N.D.    | N.D.    |
|              | Hexavalent chromium  | 0.5   | 0.4                       | N.D.          | N.D.    | N.D.    |
|              | Arsenic  | 0.1   | 0.08                      | N.D.          | N.D.    | N.D.    |
| Toyota Plant | Fluorine   | 8   | 6.4                       | 5.8           | 2.2     | 1.5     |
|              | 1,4-dioxane  | 0.5   | 0.4                       | N.D.          | N.D.    | N.D.    |
|              | pH   | 5.8~8.6   | 6.0~8.3                   | 7.5           | 8       | 7.4     |
|              | BOD  | 15  | 12                        | 10            | 11      | 2.4     |
|              | COD  | —   | —                         | 7.5           | 12      | 4.4     |
|              | SS   | 15  | 12                        | 8             | 9       | 8       |
|              | n-Hex  | 4   | 3.2                       | <0.5          | <0.5    | <0.5    |
|              | Phenols  | 2.5   | 2                         | <0.025        | <0.025  | <0.025  |
|              | Copper   | 0.6   | 0.48                      | 0.04          | 0.03    | 0.01    |
|              | Zinc   | 2   | 1.6                       | 0.17          | 0.24    | 0.14    |
|              | Soluble iron   | 2.5   | 2                         | <0.1          | <0.1    | 0.1     |
|              | Soluble manganese  | 2.5   | 2                         | <0.1          | <0.1    | <0.1    |
|              | Total chromium   | 1   | 0.8                       | <0.04         | <0.04   | <0.04   |
|              | Coliform bacteria count  | (3,000)   | 2,400                     | 1             | 1       | 100     |
|              | Total nitrogen   | 60  | 48                        | 17            | 20      | 14      |
| Otowa Plant  | Total phosphorus   | 8   | 6.4                       | 1             | 1       | 0.72    |
|              | Lead   | 0.05  | 0.04                      | <0.005        | <0.005  | <0.005  |
|              | Hexavalent chromium  | 0.3   | 0.24                      | <0.04         | <0.04   | <0.04   |
|              | Boron  | 10  | 8                         | 2.6           | 2.4     | 1.4     |
|              | Fluorine   | 8   | 6.4                       | 0.5           | 0.4     | 0.2     |
|              | Ammonia, ammonium compounds, nitrous acid compounds, nitric acid compounds | 60  | 48                        | 12            | 13      | 13      |
|              | pH   | 5.8~8.6   | 6.0~8.3                   | 7.4           | 7.7     | 7.4     |
|              | BOD  | 25(20)  | 20                        | 7.6           | 8.2     | 3       |
|              | COD  | —   | —                         | 8.1           | 10      | 3.9     |
|              | SS   | 70 (50)   | 56                        | 8             | 5       | 7       |
|              | n-Hex  | 5   | 4                         | 1             | <1      | <1      |
|              | Copper   | 1   | 0.8                       | <0.01         | 0.02    | <0.01   |
|              | Zinc   | 2   | 1.6                       | 0.09          | 0.14    | 0.16    |
|              | Soluble iron   | 10  | 8                         | <0.1          | <0.1    | 0.1     |
|              | Soluble manganese  | 10  | 8                         | 0.2           | 0.2     | 0.3     |
|              | Total chromium   | 2   | 1.6                       | <0.04         | <0.04   | <0.04   |
| Hagi Plant   | Coliform bacteria count  | (3,000)   | 2,400                     | 43            | <30     | <30     |
|              | Total nitrogen   | 120(60)   | 96                        | 1.7           | 2.2     | 2.8     |
|              | Total phosphorus   | 16(8)   | 12.8                      | 0.03          | 0.02    | 0.03    |
|              | Lead   | 0.1   | 0.08                      | <0.01         | <0.01   | <0.01   |
|              | Hexavalent chromium  | 0.5   | 0.4                       | <0.04         | 0.04    | <0.04   |
|              | Total mercury  | 0.005   | 0.004                     | <0.0005       | <0.0005 | <0.0005 |
|              | Boron  | 10  | 8                         | <0.1          | <0.1    | <0.1    |
|              | Fluorine   | 8   | 6.4                       | <0.1          | <0.1    | <0.1    |
|              | Ammonia, ammonium compounds, nitrous acid compounds, nitric acid compounds | 100   | 80                        | 1.1           | 1.7     | 1.7     |
|              | pH   | 5.8~8.6   | 6.0~8.3                   | 7.6           | 7.9     | 7.4     |
|              | BOD  | 25(20)  | 20                        | 2             | 1.1     | 3       |
|              | COD  | —   | —                         | 5.8           | 4.9     | 6.2     |
|              | SS   | 30(20)  | 24                        | 4             | 4       | 2       |
|              | n-Hex  | 2   | 1.6                       | <0.5          | <0.5    | <0.5    |
|              | Copper   | 1   | 0.8                       | <0.01         | 0.02    | 0.03    |
|              | Zinc   | 2   | 1.6                       | 0.03          | 0.06    | 1       |
|              | Soluble iron   | 10  | 8                         | <0.1          | <0.1    | <0.1    |
|              | Soluble manganese  | 10  | 8                         | <0.1          | <0.1    | <0.1    |
|              | Total chromium   | 2   | 1.6                       | <0.04         | <0.04   | <0.04   |
|              | Coliform bacteria count  | (3,000)   | 2,400                     | <30           | <30     | <30     |
|              | Total nitrogen   | 120(60)   | 96                        | 22            | 11      | 8.1     |
|              | Total phosphorus   | 16(8)   | 12.8                      | 0.02          | 0.03    | 0.04    |
|              | Lead   | 0.1   | 0.08                      | <0.01         | <0.01   | <0.01   |
|              | Hexavalent chromium  | 0.5   | 0.4                       | <0.04         | <0.04   | <0.04   |
|              | Total mercury  | 0.005   | 0.004                     | <0.0005       | <0.0005 | <0.0005 |
|              | Boron  | 10  | 8                         | <0.1          | <0.1    | <0.1    |
|              | Fluorine   | 8   | 6.4                       | <0.1          | <0.1    | <0.1    |
|              | Ammonia, ammonium compounds, nitrous acid compounds, nitric acid compounds | 100   | 80                        | 8.7           | 1.9     | 3.7     |

### 6.3 Waste materials (Tokai Rika)

Unit: t

|               |                |              | FY 2018 (base year) | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------------|----------------|--------------|---------------------|---------|---------|---------|---------|
| Hazardous     | Emissions      | Recycling    | 25                  | 15      | 24      | 15      | 11      |
|               |                | Incineration | 13                  | 41      | 32      | 21      | 19      |
|               |                | PCB          | 2                   | 0       | 0       | 0       | 0       |
|               | Storage amount | PCB          | 0.3                 | 0.3     | 0.1     | 0.1     | 0.0     |
|               | Total          |              | 40                  | 57      | 56      | 36      | 30      |
| Non-hazardous | Emissions      | Recycling    | 10,280              | 10,954  | 9,980   | 9,425   | 8,405   |
|               |                | Incineration | 710                 | 708     | 724     | 627     | 557     |
|               |                | Landfill     | 0.5                 | 0.7     | 0.4     | 1.5     | 0.6     |
|               | Total          |              | 10,991              | 11,663  | 10,705  | 10,053  | 8,963   |
|               | Total          |              | 11,031              | 11,719  | 10,761  | 10,090  | 8,993   |

### 6.4 Industrial waste from products using plastics, etc. (Tokai Rika)

Unit: t

|   | FY 2018 (base year) | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---|---------------------|---------|---------|---------|---------|
| Emissions (target: below FY 2018 results) | 610                 | 611     | 560     | 545     | 486     |

## 7. Environmental management

### 7.1 Violation of environmental laws and regulations (Tokai Rika)

Unit: case

|   | FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---|---------|---------|---------|---------|---------|
| Number of violations<br>(including exceeding legal standards and agreed values) | 0       | 0       | 0       | 0       | 0       |
| Number of complaints  | 0       | 0       | 0       | 0       | 0       |

### 7.2 Noise / vibration measurement data (Tokai Rika)

Unit: dB

| Noise & Vibration measurement data (Total value) |                     |                  | Maximum value |         |         |         |
|--|---------------------|------------------|---------------|---------|---------|---------|
|  |                     | Regulation value | FY 2019       | FY 2020 | FY 2021 | FY 2022 |
| Head Plant                                       | Noise (daytime)     | 70               | 62            | 60      | 61      | 63      |
|  | Vibration (daytime) | 70               | 35            | 28      | 30      | 39      |
| Toyota Plant                                     | Noise (daytime)     | 75               | 65            | 70      | 66      | 65      |
|  | Vibration (daytime) | 75               | 63            | 53      | 53      | 46      |
| Otowa Plant                                      | Noise (daytime)     | 70               | 64            | 66      | 61      | 65      |
|  | Vibration (daytime) | 70               | 49            | 50      | 41      | 51      |
| Hagi Plant                                       | Noise (daytime)     | 75               | 60            | 55      | 58      | 64      |
|  | Vibration (daytime) | 75               | 66            | 46      | 44      | 60      |

### 7.3 Groundwater measurement data (Tokai Rika)

Unit: mg/L

|              |                          | Regulation value | Maximum value |         |         |         |
|--------------|--------------------------|------------------|---------------|---------|---------|---------|
|              |                          |                  | FY 2019       | FY 2020 | FY 2021 | FY 2022 |
| Head Plant   | Trichlorethylene         | 0.03             | 0.002         | 0.002   | 0.002   | 0.002   |
|              | 1,1-Dichloroethene       | 0.1              | 0.002         | 0.002   | 0.002   | 0.002   |
|              | cis-1,2-Dichloroethylene | 0.04             | 0.004         | 0.004   | 0.004   | 0.004   |
| Toyota Plant | Trichlorethylene         | 0.03             | 15.4          | 23.8    | 8.98    | 9.45    |
|              | 1,1-Dichloroethene       | 0.1              | 0.149         | 0.097   | 0.079   | 0.117   |
|              | cis-1,2-Dichloroethylene | 0.04             | 19.5          | 14.6    | 13.9    | 7.71    |
| Otowa Plant  | Trichlorethylene         | 0.03             | 0.016         | 0.014   | 0.011   | 0.011   |
|              | 1,1-Dichloroethene       | 0.1              | 0.005         | 0.005   | 0.006   | 0.006   |
|              | cis-1,2-Dichloroethylene | 0.04             | 0.042         | 0.039   | 0.031   | 0.032   |

Note: Contamination from trichlorethylene and decomposition products was found at the Toyota and Otowa Plants, and water is being pumped and purified.

## 8. Environmental accounting

### 8.1 Environmental preservation costs (Tokai Rika)

Unit: million yen

|                            | Main initiatives  | FY 2020 | FY 2021 | FY 2022 |
|----------------------------|---|---------|---------|---------|
| Business area costs        | Pollution prevention: costs of preventing pollution (air, water quality, noise, etc.)   | 277     | 307     | 261     |
|                            | Global environmental conservation: costs required to prevent global warming   | 1,090   | 1,171   | 1,173   |
|                            | Resource circulation: costs for waste treatment, waste reduction, and recycling   | 252     | 210     | 197     |
| Upstream/downstream costs  | Differences arising from the purchase of products, fuel, raw materials, etc. with low environmental impact  | 22      | 21      | 22      |
| Management activity costs  | Costs for establishment and implementation of an environmental management system, monitoring environmental impact, and protecting and greening nature associated with our business activities | 192     | 507     | 506     |
| R&D expenses               | Costs required for research and development of products that contribute to environmental preservation   | 305     | 386     | 452     |
| Social activity costs      | Costs for environmental improvement measures such as nature protection, greening, beautification, etc. excluding our business premises  | 49      | 108     | 133     |
| Environmental damage costs | Environmental pollution remediation costs, environmental damage insurance premiums, etc.  | 16      | 16      | 17      |
| Total                      |   | 2,203   | 2,726   | 2,762   |

### 8.2 Economic effects (Tokai Rika)

Unit: million yen

|                                      | FY 2020 | FY 2021 | FY 2022 |
|--------------------------------------|---------|---------|---------|
| Cost reduction through energy saving | 78      | 45      | 122     |
| Sales amount of recyclable materials | 1,073   | 1,534   | 1,524   |
| Reduction of waste disposal costs    | 3       | 1       | 3       |
| Total                                | 1,154   | 1,580   | 1,649   |

### 8.3 Quantity effect (Tokai Rika)

|  | FY 2020 | FY 2021 | FY 2022 |
|--|---------|---------|---------|
| Reduction of greenhouse gas emissions through energy saving (t-CO <sub>2</sub> ) | 1,613   | 1,454   | 3,002   |
| Amount of recyclable materials sold (t)  | 8,963   | 8,385   | 7,455   |
| Amount of waste materials processed (t)  | 58      | 58      | 181     |

#### • Environmental accounting concept

Environmental costs are calculated and aggregated on a payment basis when incurred. Therefore, capital expenditures are recorded as investments, and depreciation is not recorded. Items that are implemented in conjunction with purposes other than environmental preservation are accounted proportionately. The economic effects associated with environmental preservation activities are calculated using three categories that allow us to accurately record the amount of costs for each fiscal year.

## 9. Environmental data calculation method

### 9.1 Scope of environmental data collection

|                                | Region                             | Company Name   |
|--------------------------------|------------------------------------|--|
| Tokai Rika Group: 29 companies | Tokai Rika: 1 company              | Tokai Rika   |
|                                | Domestic subsidiaries: 7 companies | TOKAI RIKA ELETEC, TOKAI RIKA Next, TOKAI RIKA Smart Craft, TOKAI RIKA SERVICE, SANDENZAISHA, Tokai Rika Create, TOKAI RIKA ADVANCED |
|                                | Overseas bases: 21 companies       | North America  |
|                                |                                    | South America  |
|                                |                                    | East Asia  |
|                                |                                    | South Asia   |
|                                |                                    | Southeast Asia   |
|                                | Europe                             | TRBE (Belgium), TRB (UK), TRCZ (Czech Republic)  |

### 9.2 Calorific value conversion coefficient for energy consumption

| Type        | Basis for calculation   |
|-------------|---|
| Electricity | Uses 3.6 (MJ/kWh)   |
| Fuel        | Uses coefficient based on the "Act on the Rational Use of Energy" |

### 9.3 Calculation method of CO<sub>2</sub> supply chain emissions

| Type               | Basis for calculation   |
|--------------------|---|
| Calculation method | Calculated based on the "Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain" |

### 9.4 Calculation method of greenhouse gas emissions

| Type               |                  | Basis for calculation         |   |
|--------------------|------------------|-------------------------------|---|
| Calculation method |                  | Calculated using GHG Protocol |   |
| Coefficient        | Tokai Rika       | Electricity                   | Uses emission coefficients published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry (emission coefficients by electric utility) |
|                    |                  | Fuel                          | Uses the coefficient based on the Act on Promotion of Global Warming Countermeasures  |
|                    | Tokai Rika Group | Electricity                   | Uses coefficients from "IEA CO <sub>2</sub> Emission factors"   |
|                    |                  | Fuel                          | Uses coefficients based on the "2006 IPCC Guidelines"   |
|                    | 5 gases          |                               | Uses coefficients based on "IPCC Fourth Assessment Report"  |

## II. Human Capital

### 1. Employees

#### 1.1 Number of employees (people, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 19,390  | 19,452  | 19,888  | 20,083  | 20,006  |

#### 1.2 Number of employees (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 6,215   | 6,259   | 6,345   | 6,374   | 6,178   |

#### 1.3 Number of employees in Japan (people, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | 7,971   | 7,899   |

#### 1.4 Number of employees in North America (people, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | 3,598   | 3,595   |

#### 1.5 Number of employees in Asia (people, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | 7,108   | 7,122   |

#### 1.6 Number of employees in other regions (Europe and South America) (people, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | 1,406   | 1,390   |

#### 1.7 Overseas subsidiaries employee ratio (% , consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 60.2    | 59.9    | 60.1    | 60.3    | 60.5    |

#### 1.8 Number of female employees (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 1,261   | 1,257   | 1,263   | 1,289   | 1,297   |

#### 1.9 Female employee ratio (% , unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 20.3    | 20.1    | 19.9    | 20.2    | 21.0    |

#### 1.10 Number of managers (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 827     | 869     | 887     | 904     | 891     |

#### 1.11 Number of female managers (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 8       | 10      | 11      | 13      | 16      |

#### 1.12 Female manager ratio (% , unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 1.0     | 1.2     | 1.2     | 1.4     | 1.6     |

### 2. Directors

#### 2.1 Number of directors (unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 13      | 13      | 6       | 6       | 6       |

#### 2.2 Number of external (independent) directors (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 2       | 2       | 2       | 2       | 2       |

#### 2.3 Number of female directors (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 0       | 0       | 0       | 0       | 1       |

### 3. Length of service

#### 3.1 Length of service for men (years, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | 20.0    | 19.2    |

#### 3.2 Length of service for women (years, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | 19.3    | 18.1    |

#### 3.3 Ratio of length of service between men and women (female / male) (% , unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | 96.5    | 94.3    |



## 4. Annual paid holidays / childcare leave

### 4.1 Number of days taken for annual paid holidays (days, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 19.9    | 17.7    | 17.0    | 18.2    | 18.2    |

### 4.2 Annual paid holiday acquisition rate (% , unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 105.3   | 93.5    | 87.9    | 93.6    | 93.3    |

### 4.3 No. of employees who took childcare leave (total, people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 147     | 151     | 171     | 183     | 145     |

### 4.4 Rate of employees who took childcare leave (total, %, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 51.6    | 56.3    | 69.5    | 76.6    | 84.3    |

### 4.5 No. of employees who took childcare leave (female, people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 142     | 134     | 145     | 138     | 35      |

### 4.6 No. of employees who took childcare leave (male, people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 5       | 17      | 26      | 45      | 110     |

## 5. Disaster / absence from work

### 5.1 Number of accidents without absence from work (cases, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 2       | 3       | 6       | 3       | 3       |

### 5.2 Number of accidents with absence from work (cases, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 1       | 0       | 3       | 1       | 2       |

### 5.3 Rate of absence-causing accidents (% , unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 0.07    | 0       | 0.21    | 0.07    | 0.13    |

### 5.4 National average rate of absence-causing accidents (% , Japan)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 0.50    | 0.48    | 0.43    | 0.42    | 0.52    |

### 5.5 Safety Awareness Dojo trainees (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 639     |

### 5.6 Number of employees on leave (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 246     |

### 5.7 Among them, those on mental health leave (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 97      |

## 6. Recruitment / resignation

### 6.1 Regular recruitment (unconsolidated, people)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 88      |

### 6.2 Mid-career recruitment (unconsolidated, people)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 31      |

### 6.3 Retirement (unconsolidated, people)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 263     |

### 6.4 Voluntary turnover rate (unconsolidated, %)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 46.4    |

### 6.5 Employment rate of people with disabilities (% , unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 2.05    | 2.14    | 2.12    | 2.20    | 2.33    |

### 6.6 Non-regular employment rate (unconsolidated, %)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 7.1     |

## 7. Wages

### 7.1 High school graduate starting wage (yen, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 169,500 |

### 7.2 Aichi Prefecture minimum wage (% , unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 157,760 |

### 7.3 University graduate starting wage (yen, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 208,000 |

### 7.4 Gender wage gap (% , unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 63.4    |

### 7.5 Total officers' compensation (million yen, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 450     | 442     | 245     | 197     | 169     |

## 8. Training

### 8.1 Training hours per employee (hours, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 1.0     |

### 8.2 Training costs per employee (yen, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 30,000  |

## 9. Working hours

### 9.1 Total annual working hours per person (hours, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | 1,950   | 1,960   | 1,984   |

# III. Social Capital

## 1. Dialogue with stakeholders

### 1.1 Dialogue with institutional investors and analysts (no. of times, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | 59      | 78      | 70      |

## 2. Social contribution expenditures

### 2.1 Total social contribution expenditures (100 million yen, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 1.11    | 0.92    | 0.51    | 0.81    | 0.89    |

### 2.2 Among them, donations (100 million yen, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 0.22    | 0.08    | 0.06    | 0.19    | 0.09    |

## 3. Suppliers

### 3.1 Number of suppliers (companies, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | 1,307   | 1,318   | 1,325   |

## 4. Political donations / antisocial behavior

### 4.1 Political donations (yen, unconsolidated)

| FY 2018   | FY 2019   | FY 2020 | FY 2021 | FY 2022 |
|-----------|-----------|---------|---------|---------|
| 2,700,000 | 2,600,000 | 0       | 0       | 0       |

### 4.2 Employees punished for bribery (people, unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 0       | 0       | 0       | 0       | 0       |

### 4.3 Fines or settlements due to bribery (yen, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 0       | 0       | 0       | 0       | 0       |

### 4.4 Legal actions taken due to anti-competitive behavior (yen, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 0       | 0       | 0       | 0       | 0       |

## IV. Financial Capital

### 1. Tax payment

#### 1.1 Income taxes (billion yen, Japan)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 2.8     |

#### 1.2 Income taxes (billion yen, North America)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 1.0     |

#### 1.3 Income taxes (billion yen, Asia)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 4.3     |

#### 1.4 Income taxes (billion yen, Europe and South America)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | —       | —       | 0.5     |

## V. Intellectual Capital

### 1. R&D expenses

#### 1.1 R&D expenses (billion yen, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 25.8    | 28.1    | 26.9    | 30.4    | 29.0    |

### 2. Patents

#### 2.1 No. of patents held (unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | 2,915   | 3,017   | 2,652   |

#### 2.2 No. of patent applications (unconsolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| —       | —       | 602     | 728     | 463     |

## VI. Production Capital

### 1. Capital expenditure / Depreciation

#### 1.1 Capital expenditure (billion yen, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 25.3    | 23.0    | 12.2    | 14.4    | 19.1    |

#### 1.2 Depreciation (billion yen, consolidated)

| FY 2018 | FY 2019 | FY 2020 | FY 2021 | FY 2022 |
|---------|---------|---------|---------|---------|
| 21.4    | 19.8    | 18.5    | 18.1    | 19.5    |



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#### Regarding the figures published in the data file

1. When publishing this data file, we have re-verified past data.

Therefore, some figures may differ from data in previously published environmental reports.

2. Due to the calculation process, the total of the individual figures may differ from the total figures in the total column.