

## Furukawa Electric Group CSR Report **2011**

# Data Book



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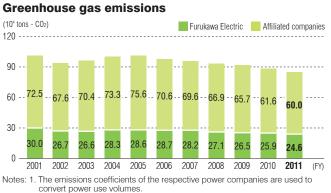
| 1                                   | NPUT      |          |                     | Furukawa Electric    | ; OU                      | TPUT     |          |                     |
|-------------------------------------|-----------|----------|---------------------|----------------------|---------------------------|----------|----------|---------------------|
| Category                            | Domestic  | Overseas | Unit                |                      | Category                  | Domestic | Overseas | Unit                |
| Raw materials                       |           |          |                     | Seven works,         | Waste                     |          |          |                     |
| Copper                              | 256,164   | 139,592  | tons                | 28 domestic          | Total waste generated     | 61,555   | 23,351   | tons                |
| Aluminum                            | 313,507   | 28,545   | tons                | affiliated companies | Final waste disposal      | 1,359    | 5,052    | tons                |
| Iron                                | 5,801     | 6,801    | tons                |                      | Recycling amount          | 55,788   | 13,293   | tons                |
| Nickel                              | 973       |          | tons                | and                  |                           |          |          |                     |
| Chromium                            | 191       | _        | tons                | 39 overseas          | Atmospheric emissions     |          |          |                     |
| Manganese                           | 1,543     | _        | tons                | affiliates           | CO2                       | 846,552  | 448,323  | tons-CO             |
| Magnesium                           | 5.396     | _        | tons                | unnatoo              | SOx                       | 110      | · _      | tons                |
| Other metals                        | 49,929    | _        | tons                |                      | NOx                       | 690      | _        | tons                |
| Rubber                              | 51        | _        | tons                |                      | Soot                      | 47       | _        | tons                |
| Glass                               | 142       | 623      | tons                |                      |                           |          |          |                     |
| Plastic                             | 34,768    | 28,497   | tons                |                      | Chemical substances       |          |          |                     |
| 1 145110                            | 04,700    | 20,431   | tono                |                      | Volume emitted            | 218      | _        | tons                |
| Energy                              | 18,838    | 6,712    | TJ                  |                      | Volume transferred        | 246      | _        | tons                |
| Electricity (purchased electricity) | 1,098,223 | 462,780  | MWh                 |                      |                           |          |          |                     |
| Electricity (hydroelectric power)   | 159,731   | 22,063   | MWh                 |                      | Wastewater                | 23,687   | 1,084    | 1,000m              |
| Electricity (solar power)           | 11        | -        | MWh                 |                      | Public waterways          | 22,498   | 507      | 1,000m <sup>3</sup> |
| City gas                            | 44,261    | 1,532    | 1,000m3             |                      | Rivers                    | 20,828   | 282      | 1,000m3             |
| LPG                                 | 40,962    | 1,648    | tons                |                      | Sea                       | 1,666    | 0        | 1,000m3             |
| Heavy fuel oil A                    | 11,249    | 1,153    | kl                  |                      | Other                     | 3        | 225      | 1,000m <sup>3</sup> |
| Kerosene                            | 17,744    | 6        | kl                  |                      | Sewer                     | 1,189    | 577      | 1,000m3             |
| Light oil                           | 624       | 357      | kl                  |                      |                           |          |          |                     |
| 5                                   | -         |          |                     |                      | BOD                       | 46       | _        | tons                |
| Water                               | 26,196    | 2,240    | 1,000m <sup>3</sup> |                      | COD                       | 33       | _        | tons                |
| Industrial water                    | 19,429    | 72       | 1,000m <sup>3</sup> |                      | SS                        | 34       | _        | tons                |
| Groundwater                         | 5,563     | 592      | 1,000m <sup>3</sup> |                      |                           |          |          |                     |
| Tap water                           | 1,204     | 1,576    | 1,000m <sup>3</sup> |                      | Product shipping volume   | 894,370  |          | tons                |
| Chemical substances                 |           |          |                     |                      |                           |          |          |                     |
| Volume handled <sup>*1</sup>        | 60,169    |          | tone                |                      |                           |          |          |                     |
| volume handled '                    | 60,169    |          | tons                |                      |                           |          |          |                     |
| Packaging*2                         |           |          |                     |                      | Product collection volume | 5,483    | _        | tons                |
| Cardboard                           | 822       |          | tons                |                      | Type of cable             | 4,963    | -        | tons                |
| Wood                                | 49,279    | 5,562    | tons                |                      | Plastics                  | 438      |          | tons                |
| Plastic                             | 399       | 3,302    | tons                |                      | Metals                    | 82       |          | tons                |
| Paper                               | 399       | 621      | tons                |                      |                           |          |          |                     |
| I apei                              | 5/9       |          | 10115               |                      | Volume of water recycled  | 44,526   | 166,746  | tons                |
| Paper <sup>*3</sup>                 | 84        |          | tons                | •                    | and reused                | ,0_0     |          |                     |

\*1 PRTR-listed substances
\*2 Cardboard, wood, plastic, and paper used in product shipping
\*3 OA paper, copy paper, etc. used at plants and offices

## List of Products Subject to LCA in Fiscal 2012

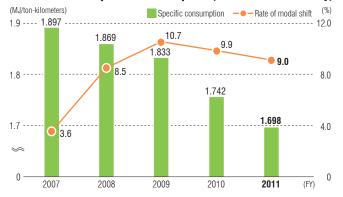
| Company/Affiliated company                    | Products subject to PCRs             |    |  |
|---|--------------------------------------|----|--|
|   | F-CO tape                            |    |  |
| Energy and Industrial Products Company        | EFLEX                                | 8  |  |
|   | MC-PET, etc.                         |    |  |
|   | Optical fiber cables                 |    |  |
|   | Halogen-free wires                   |    |  |
| Telecommunications Company                    | Optical fiber cable fusion splicers  | 18 |  |
| relecontinunications company                  | Optical amplifiers                   | 10 |  |
|   | Splitter modules                     |    |  |
|   | Semiconductor laser modules, etc.    |    |  |
|   | Enameled wires                       |    |  |
| Electronics and Automotive Systems<br>Company | Memory discs                         | 7  |  |
| oompany                                       | Wire harnesses, etc.                 |    |  |
| Metals Company                                | Busbar                               | 1  |  |
| Affiliated company                            | Memory disc materials (Furukawa-Sky) | 1  |  |
| Total   |                                      | 35 |  |

## **Reducing Greenhouse Gas Emissions**

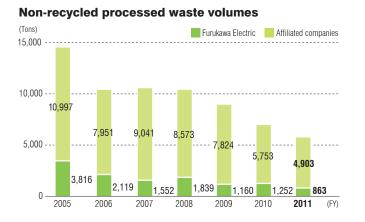


 CO2 emissions attributable to hydroelectric power are deemed to be zero.
 The portion for the Furukawa Magnet Wire Co., Ltd. Mie Works is excluded retroactively in 2000, and is included in that for affiliates.

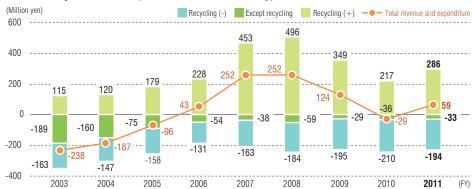
#### Modal shift and specific consumption (Furukawa Electric only)



## **Zero Emission Activities**

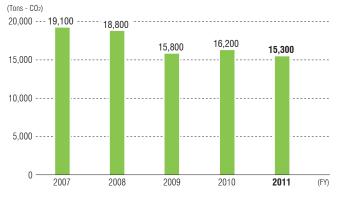


#### Waste disposal costs (Furukawa Electric only)

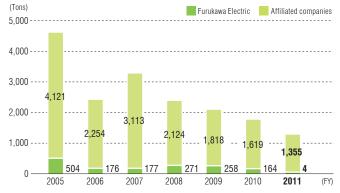




CO2 emissions related to transportation (Furukawa Electric only)

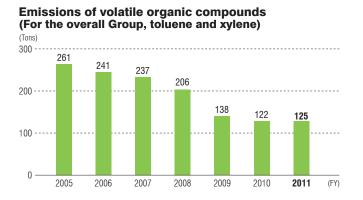


Direct landfill disposal



Greenhouse gas emissions (fuel/electricity)

## **Chemical Substance Management Activities**

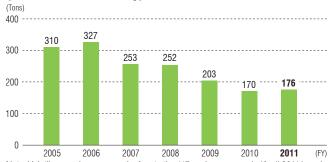


#### **PRTR** substances

| Whole     | group  |          |          |        | (Unit: ton) |  |  |
|-----------|--|----------|----------|--------|-------------|--|--|
| Substance | Substance  | Volume   | Volume   | Volume | Volume      |  |  |
| No.       |  | handled  | released |        | neutralized |  |  |
| 1         | Zinc and its compounds   | 6.2      | 0.1      | 0.6    | 5.5         |  |  |
| 31        | Antimony and its compounds   | 289.0    | 0.0      | 1.7    | 287.4       |  |  |
| 53        | Ethylbenzene   | 32.3     | 8.0      | 0.5    | 23.8        |  |  |
| 71        | Ferric chlorides   | 80.1     | 6.6      | 62.1   | 11.4        |  |  |
| 75        | Cadmium and its compounds  | 30.4     | 0.0      | 0.9    | 29.5        |  |  |
| 80        | Xylene   | 211.9    | 24.9     | 5.9    | 181.0       |  |  |
| 82        | Silver and its water-soluble compounds   | 41.3     | 0.0      | 1.6    | 39.8        |  |  |
| 86        | Cresol   | 412.0    | 0.1      | 0.1    | 411.8       |  |  |
| 87        | Chromium and trivalent chromium compounds  | 166.6    | 0.0      | 1.4    | 165.2       |  |  |
| 88        | Hexavalent chromium compounds  | 23.8     | 0.0      | 8.1    | 15.8        |  |  |
| 132       | Cobalt and its compounds   | 1.9      | 0.0      | 0.1    | 1.9         |  |  |
| 144       | Inorganic cyanide compounds  | 18.9     | 0.1      | 1.4    | 17.4        |  |  |
| 213       | N,N-dimethylacetamide  | 269.8    | 0.0      | 0.0    | 269.8       |  |  |
| 232       | N,N-dimethylformamide  | 71.2     | 0.0      | 0.0    | 71.2        |  |  |
| 255       | Decabromodiphenyl ether  | 127.1    | 0.0      | 0.8    | 126.3       |  |  |
| 272       | Copper salts (water-soluble)   | 15,583.3 | 0.2      | 50.9   | 15,532.2    |  |  |
| 281       | Trichloroethylene  | 2.6      | 2.6      | 0.0    | 0.0         |  |  |
| 296       | 1,2,4-trimethylbenzene   | 215.1    | 51.5     | 2.7    | 161.0       |  |  |
| 297       | 1,3,5-trimethylbenzene   | 38.7     | 18.9     | 1.2    | 18.6        |  |  |
| 300       | Toluene  | 315.0    | 100.7    | 78.7   | 135.6       |  |  |
| 302       | Naphthalin   | 2.5      | 0.0      | 0.5    | 2.0         |  |  |
| 304       | Lead   | 1.5      | 0.0      | 0.0    | 1.5         |  |  |
| 305       | Lead compounds   | 39,372.1 | 0.2      | 3.3    | 39,368.7    |  |  |
| 308       | Nickel   | 514.5    | 0.0      | 0.9    | 513.6       |  |  |
| 309       | Nickel compounds   | 85.9     | 0.0      | 12.2   | 73.6        |  |  |
| 332       | Arsenic and its inorganic compounds  | 16.5     | 0.0      | 0.1    | 16.4        |  |  |
| 333       | Hydrazine  | 11.9     | 0.0      | 0.0    | 11.9        |  |  |
| 349       | Phenol   | 317.6    | 0.0      | 0.2    | 317.4       |  |  |
| 355       | Bis (2-ethylhexyl) phthalate   | 364.4    | 0.6      | 0.2    | 363.5       |  |  |
| 374       | Hydrogen fluoride and its water-soluble compounds  | 34.8     | 1.2      | 15.3   | 18.3        |  |  |
| 384       | N-propyl bromide   | 1.4      | 1.2      | 0.0    | 0.1         |  |  |
| 392       | N-hexane   | 2.5      | 0.1      | 0.0    | 2.4         |  |  |
| 394       | Beryllium and its compounds  | 0.8      | 0.0      | 0.0    | 0.8         |  |  |
| 405       | Boron and its compounds  | 7.6      | 1.2      | 0.2    | 6.3         |  |  |
| 408       | Poly (oxyethylene) octylphenyl ether   | 1.4      | 0.0      | 1.4    | 0.0         |  |  |
| 410       | Poly (oxyethylene) nonylphenyl ether   | 1.6      | 0.0      | 1.4    | 0.2         |  |  |
| 412       | Manganese and its compounds  | 1,542.5  | 0.0      | 19.6   | 1,523.0     |  |  |
| 438       | Methylnaphthalene  | 23.9     | 0.9      | 0.0    | 23.0        |  |  |
| 453       | Molybdenum and its compounds   | 1.2      | 0.0      | 0.2    | 1.0         |  |  |
|           | Total  | 60,241.8 | 219.0    | 274.1  | 59,748.7    |  |  |
| Noto: Th  | Iotal         00,241.8         219.0         214.1         59,748.7           Note: This list is target for substances with a transaction volume of 1 tons or more (0.5)         5         5         5 |          |          |        |             |  |  |

Note: This list is target for substances with a transaction volume of 1 tons or more (0.5 tons or more for Class 1 Designated Chemical Substances).

## Emissions of volatile organic compounds (Furukawa Electric only)



Note: Volatile organic compound refers to the 117 such compounds (April 2011 issue) specified by the Electric Wire & Cable Makers' Association.

| Furuka           | Furukawa Electric only                            |                   |                    |                       |                       |  |  |
|------------------|---|-------------------|--------------------|-----------------------|-----------------------|--|--|
| Substance<br>No. | Substance   | Volume<br>handled | Volume<br>released | Volume<br>transferred | Volume<br>neutralized |  |  |
| 1                | Zinc and its compounds                            | 6.1               | 0.1                | 0.6                   | 5.5                   |  |  |
| 31               | Antimony and its compounds                        | 54.3              | 0.0                | 1.1                   | 53.1                  |  |  |
| 53               | Ethylbenzene                                      | 9.1               | 0.0                | 0.0                   | 9.1                   |  |  |
| 80               | Xylene  | 20.0              | 8.2                | 1.1                   | 10.7                  |  |  |
| 82               | Silver and its water-soluble compounds            | 36.2              | 0.0                | 0.0                   | 36.2                  |  |  |
| 86               | Cresol  | 208.7             | 0.0                | 0.1                   | 208.6                 |  |  |
| 88               | Hexavalent chromium compounds                     | 10.1              | 0.0                | 8.0                   | 2.2                   |  |  |
| 144              | Inorganic cyanide compounds                       | 14.2              | 0.0                | 0.0                   | 14.2                  |  |  |
| 213              | N,N-dimethylacetamide                             | 148.3             | 0.0                | 0.0                   | 148.3                 |  |  |
| 232              | N,N-dimethylformamide                             | 33.8              | 0.0                | 0.0                   | 33.8                  |  |  |
| 255              | Decabromodiphenyl ether                           | 2.8               | 0.0                | 0.6                   | 2.2                   |  |  |
| 272              | Copper salts (water-soluble)                      | 15,574.9          | 0.2                | 48.6                  | 15,526.2              |  |  |
| 297              | 1,3,5-trimethylbenzene                            | 6.9               | 0.0                | 0.0                   | 6.9                   |  |  |
| 300              | Toluene   | 243.8             | 90.9               | 56.3                  | 96.6                  |  |  |
| 304              | Lead  | 1.5               | 0.0                | 0.0                   | 1.5                   |  |  |
| 305              | Lead compounds                                    | 4.7               | 0.0                | 0.2                   | 4.5                   |  |  |
| 308              | Nickel  | 3.2               | 0.0                | 0.0                   | 3.2                   |  |  |
| 309              | Nickel compounds                                  | 23.6              | 0.0                | 1.3                   | 22.3                  |  |  |
| 332              | Arsenic and its inorganic compounds               | 1.1               | 0.0                | 0.1                   | 1.0                   |  |  |
| 333              | Hydrazine   | 9.5               | 0.0                | 0.0                   | 9.5                   |  |  |
| 349              | Phenol  | 159.8             | 0.0                | 0.1                   | 159.6                 |  |  |
| 355              | Bis (2-ethylhexyl) phthalate                      | 2.6               | 0.6                | 0.1                   | 1.8                   |  |  |
| 374              | Hydrogen fluoride and its water-soluble compounds | 3.2               | 0.0                | 3.2                   | 0.0                   |  |  |
| 405              | Boron compounds                                   | 5.2               | 1.0                | 0.2                   | 4.1                   |  |  |
| 453              | Molybdenum and its compounds                      | 1.2               | 0.0                | 0.2                   | 1.0                   |  |  |
|                  | Total   | 16,584.7          | 101.1              | 121.6                 | 16,362.0              |  |  |

Note: This list is target for substances with a transaction volume of 1 tons or more (0.5 tons or more for Class 1 Designated Chemical Substances).

## **Environmental Accounting**

Environmental accounting for the Furukawa Electric Group during fiscal 2011 is indicated below.

All data has been compiled in accordance with the Environmental Accounting Guidelines (2005 edition) published by the Ministry of the Environment.

Environmental conservation costs for the entire group during fiscal 2011 came to about ¥6.6 billion in expenses and ¥2.2 billion in investment.

Compared with the preceding year, Furukawa Electric reduced its expenses by ¥0.7 billion and its investment by ¥0.6 billion. The energy cost increased about ¥2.1 billion for the group, owing to a rise in the total energy input.

#### Environmental conservation costs

| Environmental conserva              |  |             | (Unit: million yen) |                      |
|-------------------------------------|--|-------------|---------------------|----------------------|
| Ostanama                            |  |             | a Electric          | Affiliated companies |
| Category                            | Key activity and the outcome   | Total costs | Year on year        | Total costs          |
| (1) Business area costs             | Pollution prevention (air pollution, etc.), energy conservation, waste disposal, etc.            | 1,068       | -314                | 2,428                |
| (2) Upstream/downstream costs       | Recovery of packaging, drums, etc.   | 516         | -180                | 511                  |
| (3) Administration costs            | Environmental management system auditing, environmental impact monitoring, etc.                  | 380         | -13                 | 162                  |
| (4) Research and development costs  | Development of environmentally sound products, research into alternatives for harmful substances | 702         | -122                | 699                  |
| (5) Social activity cost            | Tree planting, local community cleaning activities, donations, etc.                              | 3           | -1                  | 4                    |
| (6) Environmental remediation costs | Environmental impact assessments, cleanup of polluted soil, etc.                                 | 82          | -47                 | 25                   |
|                                     | Total  | 2,751       | -677                | 3,829                |

Note: Year-on-year comparative data regarding the environmental conservation costs for affiliated companies has not been provided due to changes in the scope of affiliated companies (16 companies).

(FY)

#### **Environmental conservation benefits**

| Emissions causing environmental                  | Unit           | Furukawa<br>Electric | Affiliated companies |
|--|----------------|----------------------|----------------------|
| impact   |                | Redu                 | ction                |
| Volume of industrial waste disposal processed*   | tons           | 389                  | 850                  |
| Energy consumption (crude oil equivalent)        | 1,000 kl       | -4                   | -25                  |
| Water consumption                                | 1,000 tons     | 2,039                | -357                 |
| Emissions of volatile organic chemical compounds | tons           | -6                   | 3                    |
| CO <sub>2</sub> emissions                        | 1,000 tons-CO2 | 13                   | 16                   |
| SOx emissions                                    | tons           | 5                    | 6                    |
| NOx emissions                                    | tons           | 6                    | 39                   |
| Soot emissions                                   | tons           | 1                    | 11                   |

\*Excluding recycled waste

2005

2006

Note: Minus figures indicate an increase.

#### **Environmental conservation costs (Furukawa Electric)** Business area costs Upstream/downstream costs Administration costs (Million ven) Research and development costs Social activity costs Environmental remediation costs 6.000 5 000 1,683 1 260 1,618 4.000 ---77 37 130 514 89 Δ 184 3 000 13 219 102 82 324 ,09 3 428 393 470 702 415 403 2.000 454 408 667 380 696 511 637 567 516 1,000 ,515 335 60 40 382 1.12 1,068 0 2007 2008 2009 2010 2011

#### Economic benefits associated with environmental conservation activities (Unit: million ven)

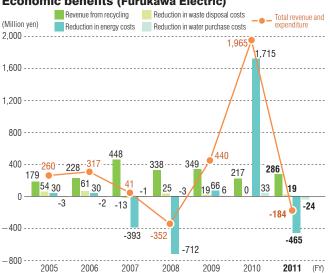
|                                   |                      | (Unit. minion yen)   |
|-----------------------------------|----------------------|----------------------|
| Details of benefits               | Furukawa<br>Electric | Affiliated companies |
|                                   | Total t              | penefit              |
| Revenue from recycling            | 286                  | 439                  |
| Reduction in waste disposal costs | 19                   | -3                   |
| Reduction in energy costs         | -465                 | -1,655               |
| Reduction in water purchase costs | -24                  | -7                   |
| Total                             | -184                 | -1,226               |

Note: Minus figures indicate an increase.

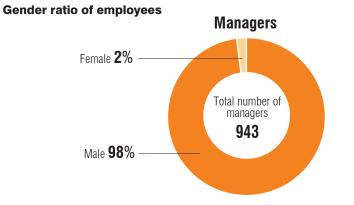
#### Investment and research costs

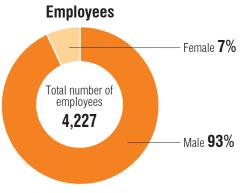
| Investment and research costs  | (Unit: million yen)  |                      |  |  |
|--------------------------------|----------------------|----------------------|--|--|
| Investment and research costs  | Furukawa<br>Electric | Affiliated companies |  |  |
|                                | Total costs          |                      |  |  |
| Environment-related investment | 256                  | 1,896                |  |  |
| Total investment               | 11,768               | 5,457                |  |  |
| Total research costs           | 9,000                | 4,591                |  |  |

#### **Economic benefits (Furukawa Electric)**



## Relations with Our Employees (Furukawa Electric only)





#### **Recruitment figures by gender**

|                    |                   | Fiscal<br>2008 | Fiscal<br>2009 | Fiscal<br>2010 | Fiscal<br>2011 | Fiscal<br>2012 |
|--------------------|-------------------|----------------|----------------|----------------|----------------|----------------|
|                    | Male              | 81             | 84             | 79             | 73             | 66             |
| Specialized        | Female            | 16             | 17             | 13             | 9              | 12             |
| staff              | Total             | 97             | 101            | 92             | 82             | 78             |
|                    | Foreign nationals | 1              | 1              | 4              | 4              | 2              |
| Professional staff | Male              | 49             | 86             | 44             | 15             | 21             |
|                    | Female            | 1              | 1              | 0              | 0              | 1              |
|                    | Total             | 50             | 87             | 44             | 15             | 22             |

| Overtime (Unit: Average hours per month) |                |                |                |                |                |  |  |
|--|----------------|----------------|----------------|----------------|----------------|--|--|
|  | Fiscal<br>2007 | Fiscal<br>2008 | Fiscal<br>2009 | Fiscal<br>2010 | Fiscal<br>2011 |  |  |
| Direct work                              | 28.56          | 27.62          | 21.62          | 23.36          | 24.15          |  |  |
| Indirect work                            | 21.11          | 20.58          | 18.44          | 14.06          | 17.03          |  |  |
| Average                                  | 24.95          | 23.64          | 20.10          | 17.75          | 19.72          |  |  |

#### **Regular annual leave**

| Item                             | Fiscal<br>2007 | Fiscal<br>2008 | Fiscal<br>2009 | Fiscal<br>2010 | Fiscal<br>2011 | Unit |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|------|
| Days carried over per person (A) | 23.0           | 22.8           | 22.5           | 22.0           | 21.5           | Days |
| Days granted per person (B)      | 24.2           | 24.1           | 24.0           | 23.9           | 23.5           | Days |
| Days acquired per person (C)     | 11.1           | 12.1           | 13.6           | 13.3           | 12.9           | Days |
| Acquisition rate (C÷B)           | 45.9           | 50.2           | 56.7           | 55.6           | 54.9           | %    |

Notes: Fiscal 2007 to 2010 leave years are calculated from September 16th to September 15th of the following year. The calendar year is used for fiscal 2011, as the leave year was not complete as of the date of publication.

### Maternity/paternity leave

|        | Fiscal<br>2007 | Fiscal<br>2008 | Fiscal<br>2009 | Fiscal<br>2010 | Fiscal<br>2011 |
|--------|----------------|----------------|----------------|----------------|----------------|
| Male   | 24             | 41             | 45             | 39             | 35             |
| Female | 0              | 5              | 2              | 4              | 4              |
| Total  | 24             | 46             | 47             | 43             | 39             |

#### **Nursing care leave**

|        | Fiscal<br>2007 | Fiscal<br>2008 | Fiscal<br>2009 | Fiscal<br>2010 | Fiscal<br>2011 |
|--------|----------------|----------------|----------------|----------------|----------------|
| Male   | 0              | 1              | 0              | 0              | 0              |
| Female | 1              | 2              | 0              | 0              | 1              |
| Total  | 1              | 3              | 0              | 0              | 1              |

## Awards from Outside Sources

| Per     | iod    | Winning organization  | Implementing organization  | Subject  |  |
|---------|--------|---|--|--|--|
| General |        |   |  |  |  |
|         | Apr.   | Shenyang Furukawa Cable Co., Ltd.   | Shenyang Municipal People's Government   | Advanced Company Award (excellence across the enterprise)  |  |
| 2010    |        | Furukawa Mexico S.A.  | Estado de Baja California  | Socially Responsible Employer Award (for employers with a high total score<br>in the social benevolence categories of education, safety and hiring)                |  |
|         | May    | Minda Furukawa  | Maruti Suzuki India  | Overall Excellence-Silvershield, Incoming Quality Certificate,<br>Focus Model Cost Reduction Certificate and Best Delivery-Shield                                  |  |
|         | Aug.   | Furukawa Industrial S.A.  | TELEBRASIL   | Mr. Foed Shaikhzadeh received The Communicative Person of the Year   |  |
|         | Sep.   | Furukawa Industrial S.A.  | Telecom Almanac Co.  | Prominent Wire and Cable Company of the Year   |  |
| Qualit  | y and  | Costs, etc.   |  |  |  |
| 2010    | Apr.   | Furukawa Electric Co., Ltd.   | Daihatsu Motor Co., Ltd.   | Superior Quality Award   |  |
|         | May    | Furukawa Elecom Co., Ltd., Chubu branch   | Toyota Industries Corporation L&F Company  | Received Superior Quality Award for two consecutive years  |  |
|         | Oct.   | Furukawa Industrial S.A.  | CRN Magazine   | The 11th Distributors'<br>Choice of Champion Award<br>for the Infrastructure for both<br>quality and relationship  |  |
| Ja      | Jan.   | Furukawa Electric Co., Ltd.   | Honda Motor Co., Ltd.  | Superior Appreciation Award (for Quality) for two consecutive years  |  |
|         |        | Minda Furukawa  | Nissan Motor India Private Ltd.  | Cost Performance Award (promotion of localized procurement)  |  |
|         |        | Furukawa Electric Co., Ltd.   | Mazda Motor Corporation  | VEVA Award for Continuously Offering Proposals for 30 consecutive years  |  |
| 2011    | Feb.   | Changchun Furukawa Automobile Harness<br>Co., Ltd.                              | Sichuan FAW Toyota Motor Co. Ltd.  | Superior Quality Award   |  |
|         | -      | Tianjin Jinhe Electric Engineering Co., Ltd.                                    | Tianjin FAW Toyota Motor Co.,Ltd.  | Diligence Award (Cost)   |  |
|         |        | Permintex Furukawa Malaysia   | Modenas  | Best Performance Vendor Award  |  |
| Safety  | /      |   |  |  |  |
| 2010    | Mar.   | Changchun Furukawa Automobile Harness<br>Co., Ltd                               | Tianjin FAW Toyota Motor Co., Ltd.<br>Tianjin FAW Toyota Engine Co., Ltd.<br>FAW Toyota (Changchun) Engine Co., Ltd.<br>Sichuan FAW Toyota Motor Co., Ltd.<br>SFTM Changchun Fengyue Co., Ltd. | 2010 (Safety) Achievement Award  |  |
|         | Jun.   | Furukawa Mexico S.A.  | Estado de Baja California  | Safety Company Recognition Award (Safety Commendation),<br>Human Development Recognition Award (Education for All Employees)                                       |  |
| Enviro  | onmen  | t   |  |  |  |
| 2010    | Aug.   | Furukawa Industrial S.A.  | Expresso Publisher   | Green Wave Award for recycling   |  |
|         | Nov.   | Furukawa Mexico S.A.  | Estado de Baja California  | Environmental High Performance Award   |  |
| Social  | I Cont | ribution  |  |  |  |
| 2010    | Dec.   | Furukawa Industrial S.A.  | SODEXO   | Elected as a finalist for the Program for Preparing Children for the Future  |  |
| Paper   | s      |   |  |  |  |
| -       | May    | Furukawa Electric Co., Ltd.   | The Japan Society for Technology of Plasticity   | JSTP Best Paper Award: Asymmetric Rolling Process Design Using Crystal<br>Plasticity Multiscale Analysis   |  |
|         | Jun.   | Furukawa Electric Co., Ltd.   | Japan Railway Electrical Engineering Association   | Engineering Association Award: Development of Copper Thermite Weidi<br>Improved Bond Mounting Metal Fitting  |  |
|         | Nov.   | Furukawa Electric Co., Ltd.   | Japan Research Institute for Copper & Copper<br>Alloy Fabricating Technology   | The 44th Paper Award: Effect of carbon addition on formation of constituents in Cu-Ni-Si-Ti alloys   |  |
| 2011    | Mar.   | Tsuchida Yukihiro<br>Fitel Photonics Laboratory,<br>Furukawa Electric Co., Ltd. | The Institute of Electronics, Information and Communication Engineers  | Academic Award: A Study on Large-mode-area Holey Fibers with Low Micro-<br>bending Losses, Study on dispersion managed transmission lines with<br>LMA holey fibers |  |