Editorial Policy

Hirose Electric and its group companies are undertaking CSR activities to implement their policy of promoting environmental protection and compliance. This report has been compiled to present information about these activities in a way that is easy for our stakeholders to understand. It is also posted on our website to make it accessible to many people both in Japan and abroad.

Period covered by this report
From April 1, 2019 to March 31, 2020

Companies covered by this report
Hirose Electric Co., Ltd.
Tohoku Hirose Electric Co., Ltd. (Miyako Plant)
Koriyama Hirose Electric Co., Ltd. (Koriyama Plant)
Ichinoseki Hirose Electric Co., Ltd. (Ichinoseki Plant)

*The activities of some of our overseas production sites are also covered in this report. As of Sustainability Report 2015, CO2 emissions by overseas sites and our business partners, both within and outside of Japan are presented.

Date of publication
July 2020

This report refers to the following guidelines
Ministry of the Environment:
Environmental Reporting Guidelines (Fiscal Year 2018 Version);
GRI Sustainability Reporting Guidelines (Version 4).

Notations
For simplicity, the following names have sometimes been abbreviated as follows: Tohoku Hirose Electric Co., Ltd. is referred to as the “Miyako Plant,” Koriyama Hirose Electric Co., Ltd. as the “Koriyama Plant,” and Ichinoseki Hirose Electric Co., Ltd. as the “Ichinoseki Plant.”

Disclaimer
This report includes not only past factual information but also plans and forecasts that were formulated at the time of publication. These data or statements were considered reasonable at the time of writing based on the currently available information, and thus the outcomes of our future activities may differ from what is described in this report.
We are undertaking CSR and environmental activities through bringing together the knowledge and wisdom of many people.

Kazunori Ishii
President and Representative Director

Ever since it began to develop industry-leading connectors with its own technologies, Hirose Electric has established a position that has earned it trust and recognition as a specialized manufacturer of connectors. On a personal note, and on behalf of the entire company, I would like to express our deep gratitude to our customers and business partners. Without their ongoing support, we would not be where we are today.

Hirose Electric and its group companies adhere to a guiding philosophy of being a small company that brings together the knowledge and wisdom of many people, i.e., "a small company connecting wisdom." This concept encapsulates our wish to creating innovative products by open-mindedly garnering advice from the outside world and linking the wealth of information offered by external sources with the knowledge and insight that we have accumulated internally, and to be an enterprise that is constantly seeking to make quantum advances.

Our slogan, "An Electronics Company that Connects Wisdom," expresses our desire to maintain a high quality management structure in an efficiently run organization by constantly looking at our own company on a small scale, humbly seeking out the insight from those outside the organization, and connecting the vast amount of wisdom and knowledge we have accumulated.

Our approach to CSR is also based on this philosophy. We are committed to fulfilling our social responsibility for the development of a global society through the honest and humble efforts of each and every employee to fulfill his or her role.

Publication of Sustainability Report 2020

Hirose Electric and its group companies have produced the Sustainability Report 2020 in order to present our CSR and environmental activities to stakeholders and the general public in a clear and straightforward manner. We would appreciate it if you would read this report and give us your frank opinions so that we can continue to improve our activities in these areas.

Corporate Social Responsibility (CSR) and Environmental Activities

The Group has been promoting CSR as part of its corporate policy by reviewing its existing activities such as environmental protection and compliance within the framework of "Corporate Social Responsibility (CSR)". At the root of all of these activities is our corporate philosophy. The Group's approach to CSR is rooted in two fundamental principles: "Linking Wisdom" and "The Small Idea".
**Company Profile**

Name: Hirose Electric Co., Ltd.

Founded: August 15, 1937

Paid-in capital: 9,404,000,000 yen

Sales: 121,765,000,000 yen

Operating profit: 20,358,000,000 yen

Number of employees: 4,737

(for the year ended March 31, 2020/Consolidation)

Address of Headquarters:

2-6-3 Nakagawa Chuoh, Tsuzuki-ku, Yokohama 224-8540, Japan

Number of subsidiaries:

3 in Japan, and 13 outside Japan

**Changes in sales and profit**

![Graph showing changes in sales and profit]

**Breakdown of sales by application area**

- Industrial Equipment: 31%
- Smartphones and mobile phones: 25%
- Vehicles: 20%
- Digital home appliances: 10%
- Tablets and laptops: 6%
- Wireless devices: 4%
- Computers and related products: 3%
- Office machines: 2%

**Business Summary**

From the time they developed Japan's first one-of-a-kind connectors in Japan in 1959, Hirose Electric and its group companies (hereinafter referred to as the Hirose Electric Group) have been leading the industry in technology as a development-oriented enterprise. Our great strength has been industrial connectors, which are more difficult to develop than connectors for household use. Building on the technical know-how we had accumulated in this area, we entered the consumer products market in the recent past, and have been expanding the range of market segments in which we do business. We have received high recognition both within and outside Japan. The Hirose name is evolving into a global brand for connectors based on their capacity to meet a diverse range of international requirements.

**[Business Areas]**

- **Industrial/Medical equipments and Others**
- **Smartphone/Wearable devices**
- **Communication devices**
- **Vehicles**
- **Consumer/Computer peripheral devices**

---

*1 Conforms with the International Financial Reporting Standards (IFRS) from fiscal year 2018.

*2 Wireless devices: Wireless communication devices excluding smartphones and mobile phones.

*3 Communications devices: Laptops are excluded.
Promotion of CSR Activities

CSR of the Hirose Electric Group

The Hirose Electric Group has incorporated its existing activities related to environmental preservation and compliance into its Corporate Social Responsibility (CSR), and will promote CSR as its main policy.

Code of Conduct

In pursuing our business activities, we are required not only to comply with laws and regulations but also to exercise our discretion informed by a higher sense of ethics, integrity and social responsibility. To enable our employees to exercise the above in every situation, in an ever-changing business environment, we have defined the following Code of Conduct to which every member of the Hirose Electric Group must adhere. We will continuously review and improve the contents of the Code of Conduct, which currently include:

1. Our Attitude in Business
2. Relations with Society
3. Relation between Personnel and Workplace
4. Management of Company Assets and Information
5. Scope of Application and System for Promotion
6. HRS Group Basic Policy on Antisocial Forces
7. HRS Group Privacy Policy
8. HRS Group Safety and Health Policy
9. HRS Group Basic Policy on Anti-Bribery
10. Facilitation Payments
11. HRS Group Basic Policy on Labor Management
12. HRS Group Basic Policy for Information Security
13. HRS Group Sourcing Policy for Conflict Minerals
14. HRS Group basic Policy on Corporate Ethics Management

Participation in the UN Global Compact

On February 9, 2012, Hirose Electric and its group companies expressed their support for the "Global Compact" advocated by the United Nations, and were registered as participating companies. The Global Compact is a voluntary initiative in which each company provides creative and responsible leadership, acts as a good corporate citizen and participates in the development of a global framework for realizing sustainable growth. Companies participating in the Global Compact consent to support and abide by the ten essential principles of CSR that cover the protection of human rights, the elimination of all forms of unfair and unjust labor practices, the protection of the environment, anti-corruption measures, and are pledged to carry out activities to realize the above with the commitment of their chief executive.

Participation in the UN Global Compact prompted the Hirose Electric Group, as a good global citizen, to strengthen its ongoing CSR activities in order to contribute to the development of a sustainable society.

Social Responsibilities

The Hirose Electric Group has established a CSR and Risk Committee, consisting of full-time directors and executive officers. The committee makes decisions on important matters concerning CSR. Furthermore, we have appointed a person to be responsible for CSR and Risk.

Permanent organizations such as Environmental Management Committee, and Quality Control Committee and their subsidiary organizations are promoting matters specific to CSR.
CSR Management

The CSR management of the Hirose Electric Group is founded on three principles: corporate governance, compliance, and risk management.

【Corporate governance】

We place the highest priority on strengthening our corporate governance in order to maintain and enhance our long-term competitiveness in the global market. We are also working to increase our corporate value by streamlining our business management and augmenting our profitability while discharging our social responsibilities to stakeholders.

As part of our commitment to ensuring the integrity of our business decisions, Hirose Electric has invited five independent people from outside the company to serve on the board of directors or as auditors. From an objective standpoint, they oversee our business management practices and provide useful advice from a range of perspectives.

【Compliance】

The Hirose Electric Group fully recognizes the importance of fulfilling its social mission and corporate responsibilities in the course of its business activities. This is achieved by implementing management policy that is based on the company's core principles. To meet these responsibilities in all situations in the constantly evolving management environment, we have carefully formulated our guiding principles and criteria for action. These are contained in the Hirose Electric Group Code of Conduct issued in March 2004, and every employee is expected to follow it.

Being a global enterprise, we revised this code of conduct in 2007 to make it applicable to those working at our overseas sites. At the same time, to ensure that the code was understood and observed at these sites, it was translated into English, Chinese and the other languages spoken in all the areas in which we operate. We have been successively revising the HRS Code of Conduct, including addition of a supplementary policy.

Based on the code, we have been providing ongoing compliance education to ensure that every employee conducts themselves honestly and meets the highest ethical standards.

We introduced a whistle-blowing system in 2008.

【Risk management】

To address a variety of risks that may affect the Hirose Electric Group, we established a Risk Management Committee, which consists of full-time directors and executive officers, and relevant organizations that report to it. We share information about risks associated with our business activities, and implement risk management.

As a risk management measure, we formulated our Business Continuity Plan (BCP) in 2009. The types of risk assumed in the BCP include new strains of influenza in addition to major earthquakes and fires. The BCP describes in detail the measures to be taken to prevent or mitigate operational risks so that our business can continue to operate or quickly resume operations in the event of an emergency or a disaster. This plan is distributed to all employees.

We also established our Information Security Policy in 2008. We regularly provide e-learning opportunities to our employees and others who handle information about the Hirose Electric Group so that everyone concerned will observe this policy in their business activities.
Social Responsibilities

The Hirose Electric Group considers it important to assume the five social responsibilities shown in the following figure.

Social responsibilities assumed by the Hirose Electric Group

1. Responsibilities to our customers (guaranteeing product quality)
2. Responsibilities to our suppliers and contractors
3. Responsibilities to our employees
4. Responsibilities to our stockholders and investors
5. Responsibilities to the general public and local community

[Responsibilities to our customers (guaranteeing product quality)]

The responsibility of the company and its employees is to provide high-quality and highly value-added products that meet the needs of our customers. This concept is incorporated in our “Quality policy” and is observed by all employees.

Quality Policy

1. Abide by the “QUALITY FIRST” policy and always be committed to advance customer’s satisfaction.
2. Proactive approach towards QUALITY needs of market and developing new products accordingly.
3. Aim to be an industry leader by continuous & reliable QUALITY improvement.

For the purpose of always delivering valuable products to customers, we have established a quality management system that covers all activities (planning, design, production, distribution, and service, in connection with products) and work to improve quality every day.

We sell as many as fifty-something thousand kinds of products, many of which are constantly revised into new products. By establishing a unique development system, in which even engineers actively visit customers in order to keep up with customers’ current needs, and by having not only the Technical Section but also the Production Techniques, Production, Purchase, and Quality Assurance Sections join the development team, we aim to supply high-value added products that will satisfy customers, in a short development period.

The policies, strategies, and goals concerning quality, as well as important measures for quality improvement, are discussed and determined in Quality Management meetings. Quality goals, when incorporated into management policies, are made known to each employee of each section, and continuous quality improvement is being promoted under the guidance of the top management.

Furthermore, we are engaged in various quality improvement activities for the purpose of realizing strong workplaces in which employees can think and solve problems all by themselves.

[Responsibilities to our suppliers and contractors]

We have formulated the Green Procurement Guidelines and the Purchase Management Rules to ensure that we procure raw materials and equipment that are free from harmful substances, and build a strong partnership with our suppliers so that we work with them closely in our business operations. We also request our suppliers to establish their own CSR systems.
[Responsibilities to our employees]

We provide education and trainings in a planned and consistent manner for the purpose of cultivating human resources who understand our management principles, firmly collaborate in achieving our goals, and are active globally. We provide language trainings (especially English training) for the purpose of our employees’ language development and send our employees to work overseas through overseas study programs, etc., thereby actively cultivating human resources who can work globally.

In addition, we make efforts to create workplace environments that are considerate of our employees’ safety and physical/mental health, and take measures for prevention of disasters and to respond to emergencies. Every year, we conduct workplace patrol and risk assessment at every office in order to detect and prevent potential dangers hidden in the workplace. In addition, we continue to provide trainings on safety. Furthermore, toward preventing traffic accidents involving company cars and offices that permit commuting by car, we conduct safe driving trainings at each office with the help of the local police station, trying to make our employees conscious about safe driving.

We encourage our employees to have and follow up the results of routine physical examinations and complete medical checkups. Recently, we have established a consulting system in which our employees can consult our contracted industrial physicians and counselors, and we have begun to provide training sessions for managers, as measures for mental healthcare. Since 2016, we have been conducting stress checks among employees.

With regard to fire prevention, we have established a self-defense fire-fighting team at every office and conduct an emergency drill, including escape, notification, and initial firefighting, with the help of the local fire department every year.

[Responsibilities to our stockholders and investors]

To ensure that the company’s accountability obligations are satisfied, and to maintain a high level of management transparency for stockholders, investors and other stakeholders, we are disclosing required information accurately, on a timely basis, and in a fair manner. In addition, we are providing appropriate information at financial results briefing sessions and through our website in accordance with our information disclosure policy.

[Responsibilities to the general public and local community]

We have defined the Hirose Electric Group Code of Conduct, which requires us to interact with local communities, and, in the international sphere, respect the culture and customers of the countries in which we operate, and contribute to the development of these countries. All our employees are working in accordance with this code of conduct. In addition, we are providing extensive support for art and cultural activities. Hirose International Scholarship Foundation, in which the President and Representative Director of our company serves as director, provides scholarships to students from other Asian countries.
**Development of Products that are Eco-friendly and Comply with Laws and Regulations**

**Development of Eco-friendly Products**

The Hirose Electric Group provides eco-friendly connectors, designed with due consideration given to product lifecycles, to customers engaged in a wide variety of fields, including mobile devices, communications and broadcasting, computers, automobiles, consumer electronics, and measurement and control. In every one of those fields, we have minimized connector sizes. This contributes, in turn, to miniaturization of the customers’ products and to overall savings in use of resources, from components through finished products. We display details of materials used in and on our packaging materials, such as embossed carrier tapes and reels, to facilitate recycling of such materials. We are also making our connectors more energy-efficient and easy to disassemble and recycle.

**Compliance with Laws and Regulations**

The Hirose Electric Group is strengthening its quality control by responding rapidly to revisions of laws governing chemicals contained in products and the resulting changes in customer requirements, both of which are becoming increasingly stringent, year on year.

During product design, we select eco-friendly parts and materials that comply with our green procurement guidelines. At every important stage in the development process, we ascertain that the product concerned satisfies customer requirements and complies with relevant laws and regulations.

We started to bring our activities into line with the RoHS directive*1 in 2005. On June 4, 2015, a revised directive with four prohibited substances added was promulgated, and we completed the build of a preparation and warranty system for substitute products by July 2018, which is one year before the enactment of the law.

Ever since a list of substances of high concern (SVHC) associated with the REACH regulation*2 was first released in November 2008, we have been meeting the compliance requirements for substances on the list, which is updated frequently, and publicly disclosing information regarding chemicals used in our products, in response to customer requests.

* 1 RoHS directive: This was promulgated on February 13, 2003 and enforced on July 1, 2006 by the European Union (EU). This directive restricts the use of six specified toxic substances in electric and electronic products: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), and polybrominated diphenyl ether (PBDE).

* 2 REACH regulation: Regulation concerning registration, evaluation, authorization and restriction of chemicals, promulgated on December 30, 2006 and enforced on June 12, 2007. This regulation prohibits selling products that contain unregistered chemicals within the European Union. It also includes regulations governing the conduct of producers and importers, and the supplier’s obligation to make relevant information public.

**Design Review**

In line with our quality standards, we check to ensure that each product meets customer requirements, complies with relevant laws and regulations, and is designed with due consideration for the environment. Three-dimensional graphics are used to improve design review efficiency and reduce paper consumption. This also leads to reductions in development periods and costs.

* 1 Cpk: Process capability index
* 2 FMEA: Failure mode and effect analysis
* 3 DR: Design review
# Results of Fiscal Year 2019 and Targets for Fiscal Year 2020

The following table shows the results of fiscal year 2019 and the CSR targets of the Hirose Electric Group for fiscal year 2020. The results are evaluated using a three-grade scale: (○: targets achieved; △: relevant activities in progress; and ×: targets not yet achieved). We will continue these activities in order to fulfill our social responsibilities.

<table>
<thead>
<tr>
<th>Item</th>
<th>Issue</th>
<th>Targets for fiscal year 2019</th>
<th>Results of fiscal year 2019</th>
<th>Evaluation</th>
<th>Targets for fiscal year 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Responsibilities to customer</td>
<td>Strengthen the organizational structure for the promotion of CSR</td>
<td>By strengthening the CSR management system, we will aim to make a system that will enhance PDCA in more detail.</td>
<td>Established internal regulations and regulations based on the annual plan, maintained a system of PDCA cycles based on the regulations, and made improvements.</td>
<td>○</td>
<td>Maintain the CSR management system and enhance PDCA to make improvements.</td>
</tr>
<tr>
<td></td>
<td>Deal with conflict minerals</td>
<td>Continue approaches according to the policy on conflict minerals that have been made public by the company, and we will also continue to educate our employees.</td>
<td>We continued to raise awareness of conflict materials in employees, as well as keeping our suppliers informed.</td>
<td>○</td>
<td>Continue approaches according to the policy on conflict minerals that have been made public by the company, and educate employees and inform suppliers.</td>
</tr>
<tr>
<td></td>
<td>Enhance customer satisfaction</td>
<td>Make more visits to customers' companies to grasp their needs. Make further improvements in products and services provided to customers.</td>
<td>Directly asking customers about their problems, etc., to improve products and manufacturing, and to improve response to inquiries.</td>
<td>△</td>
<td>Strengthen risk analysis and countermeasures in collaboration with technical departments Speed up the initial response to customer inquiries and investigation of the root cause by improving the system, as well as using the tools appropriately.</td>
</tr>
<tr>
<td>2. Responsibilities to suppliers</td>
<td>Promote CSR procurement</td>
<td>Keep up efforts in asking suppliers and contractors for their input in our CSR activities so that the whole supply chain could work in progression together.</td>
<td>We reviewed the rules that require suppliers and production contractors to engage in CSR initiatives, but did not end up adopting the new rules.</td>
<td>△</td>
<td>Keep up efforts in asking suppliers and contractors for their input in our CSR activities so that the whole supply chain could work in progression together.</td>
</tr>
<tr>
<td></td>
<td>Request partner companies to adopt BCP</td>
<td>Confirm ways to correspond if production facilities do not function in suppliers’ business continuation plan, and ask for measures to correspond.</td>
<td>In-house simulation training was carried out ahead of time in the event that the supplier’s production facilities did not function.</td>
<td>△</td>
<td>Continuously confirm the business continuity progress status of suppliers, and ask for measures to correspond if production facilities do not function.</td>
</tr>
<tr>
<td>3. Responsibilities to employees</td>
<td>Share our core values</td>
<td>Continue the group’s activities for promoting understanding and implementation of our core values based on our philosophy.</td>
<td>Study groups were jointly held in several departments to promote understanding in more diverse situations.</td>
<td>○</td>
<td>Continue the group’s activities for promoting understanding and implementation of our core values based on our philosophy.</td>
</tr>
<tr>
<td></td>
<td>Foster globally adaptable human resources</td>
<td>Strengthen activities to foster globally adaptable human resources through personnel and language training.</td>
<td>We have conducted training to foster globally adaptable human resources and language training in accordance with our annual training schedule.</td>
<td>○</td>
<td>Continue the group’s activities for promoting understanding and implementation of our core values based on our philosophy.</td>
</tr>
<tr>
<td>Item</td>
<td>Issue</td>
<td>Targets for fiscal year 2019</td>
<td>Results of fiscal year 2019</td>
<td>Evaluation</td>
<td>Targets for fiscal year 2020</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>----------------------------</td>
<td>-----------------------------</td>
<td>-----------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>3. Responsibilities to employees</td>
<td>Promote compliance</td>
<td>Continuously disseminate information on compliance to enhance awareness.</td>
<td>Five e-mail newsletters focusing on compliance have been sent per year.</td>
<td>○</td>
<td>Continuously disseminate information on compliance to enhance awareness.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Continue to execute self checks in order to identify and solve problems.</td>
<td>Annual self-check carried out during Corporate Ethics Month (December).</td>
<td>○</td>
<td>Continue to execute self-checks in order to identify and solve problems.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Continue to conduct training on harassment.</td>
<td>Conducted training on preventing information leaks and power harassment.</td>
<td>○</td>
<td>Continue to conduct training on harassment.</td>
</tr>
<tr>
<td></td>
<td>Promote industrial safety and health</td>
<td>Continue industrial safety and health activities, including those at overseas plants.</td>
<td>Each business establishment, including each overseas plants, has formulated an annual plan on safety and health, and improved the plan by periodically checking its execution.</td>
<td>○</td>
<td>Continue industrial safety and health activities including at overseas plants.</td>
</tr>
<tr>
<td></td>
<td>Adopt BCP in overseas plants</td>
<td>Study measures for resolving issues related to product supply in times of emergency, including those at overseas plants, and establish an organizational structure for supply.</td>
<td>We sorted out the issues related to product supply in general, however, some specific measures have not been put in place, including for overseas plants.</td>
<td>△</td>
<td>Study measures for resolving issues related to product supply in times of emergency, including those at overseas plants, and establish an organizational structure for supply.</td>
</tr>
<tr>
<td></td>
<td>Promotion of infection control measures</td>
<td>–</td>
<td>A task force was established to deal with the spread of the novel coronavirus, and measures were taken as appropriate (ongoing)</td>
<td>–</td>
<td>Review the current response manual for all infectious diseases in general and be prepared for forthcoming infections.</td>
</tr>
<tr>
<td>4. Responsibilities to stockholders and investors</td>
<td>Promote IR activities</td>
<td>Further strengthen and improve IR activities including providing our investors with information through quarterly financial results briefing sessions and disclosing information in a timely manner through our website, as well as providing information to individual investors.</td>
<td>We have striven to provide our investors with information continuously through quarterly financial results briefings and tried disclosing timely information through our website, as well as provide information to individual investors.</td>
<td>○</td>
<td>Further strengthen and improve IR activities including providing our investors with information through quarterly financial results briefing sessions and disclosing information in a timely manner through our website. Further enhance disclosure of non-financial information such as ESGs and provision of information to individual investors.</td>
</tr>
<tr>
<td>5. Responsibilities to the general public and local communities</td>
<td>Promote social action programs</td>
<td>Continuously carry out social action programs.</td>
<td>Each business establishment has continued to participate in activities involving local communities.</td>
<td>○</td>
<td>Continuously carry out social action programs.</td>
</tr>
</tbody>
</table>
Basic Environmental Policy

Having been incorporated into a myriad of electronics devices, connectors from Hirose have become an integral part of people's lives domestically and overseas. As we consider preservation of the global environment to be one of the primary responsibilities of a corporation that manufactures products that are distributed worldwide, the Hirose Electric Group formulated its Basic Environmental Policy in 2001. A revised version was released on April 1, 2011, adding our commitment to the preservation of biodiversity, as we also hold this to be an important facet of corporate responsibility. The latest revision was made on January 18, 2016 to accommodate the revision of ISO 14001.

Our current environmental activities are based on this policy.

As is fitting for a company whose slogan is “Creative Links to World Electronics,” the Hirose Electric Group recognizes the importance of preserving the global environment as one of the basic business challenges associated with its global ambitions. We will therefore promote corporate activities that give full consideration to conservation of the environment and biodiversity.

Connectors, which are our main products, help to save energy because their detachability enhances the users’ productivity and facilitates transportation of their products. They are used in environmentally friendly products, such as electric vehicles and LED lights. Through the utilization of our connectors, we will contribute to the realization of a low-carbon society, preservation of the environment, and conservation of biodiversity.

Recognizing that in an endeavor to preserve the environment it is important to adopt environmental management that both is effective and conforms to the relevant environmental management system standards. Hirose Electric and its group companies are committed to conforming to the international standard ISO 14001 and are implementing the following environmental protection activities.

1. We will ensure that we understand the conditions surrounding our company, the needs of our stakeholders, and the impact of our activities and products on the environment. Based on these findings, we will identify what we must do to protect the environment, ensure that we meet our conformance obligations, and determine the risks and opportunities associated with undertaking such activities. We will promote environmental protection and prevention of pollution by planning and implementing our activities accordingly.
2. We will comply with environment-related laws, regulations, ordinances, and external requirements that we subscribe to.
3. We will promote the following activities as priorities in our business activities:
   - Design, production, and marketing of products those are environmentally friendly
   - Promotion of energy conservation through effective utilization of resources, streamlining of operations and reduction of waste
   - Promotion of reduction of industrial waste such as metal chips and waste plastic, and promotion of recycling and reuse through segregation.
4. We will provide in-company training on preservation of the environment and conservation of biodiversity, and raise the awareness of, support, and ask for cooperation from our business partners and clients.
5. We will continuously improve our environment management system in order to enhance the results that our environmental preservation activities will deliver.
## Contributions of connectors to environmental protection

### Detachability of connectors

Connectors, which are the major product of the Hirose Electric Group, have the following functions. Thanks to these, connectors not only provide convenience to our customers and users but also help to save energy and resources and reduce waste, thereby contributing to the realization of a low-carbon society.

<table>
<thead>
<tr>
<th>Function</th>
<th>Current status</th>
<th>If connectors did not exist...</th>
<th>Impact on the environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain ability</td>
<td>• It is possible to replace only the faulty parts.</td>
<td>• It would be necessary to replace the entire unit rather than only the faulty parts.</td>
<td>• Increase in waste&lt;br&gt;• Uneconomical replacement of the entire unit</td>
</tr>
<tr>
<td>Expandability</td>
<td>• Devices can be added if and when necessary.</td>
<td>• All potentially needed devices should be installed at the outset. Since functions that may later be found to be necessary cannot be added, the entire unit would have to be replaced.</td>
<td>• Increase in power consumption&lt;br&gt;• Increase in resources used&lt;br&gt;• Uneconomical installation of unnecessary devices&lt;br&gt;• Increase in waste&lt;br&gt;• Uneconomical replacement of the entire unit</td>
</tr>
<tr>
<td>Productivity</td>
<td>• Difference devices can be produced in parallel.</td>
<td>• Since devices cannot be produced separately, production would be inefficient.</td>
<td>• Drop in production efficiency&lt;br&gt;• Increase in power consumption</td>
</tr>
<tr>
<td>Transportability</td>
<td>• Parts of a large product can be transported separately.</td>
<td>• Since a product cannot be disassembled into separate parts, transportation would be inefficient.</td>
<td>• Increase in use of transportation energy&lt;br&gt;• Increase in storage space</td>
</tr>
</tbody>
</table>

### Application fields of connectors

Connectors are also used in environmentally friendly products such as the following.

- Hybrid cars and electric vehicles (contribution to reduction in exhaust gas and prevention of global warming)
- Mobile phones, smartphones, videoconferencing systems (contributing to the realization of a low-carbon society by reducing the need to travel)
- Products for vehicles and industrial equipment (contribution to resource saving by extending product lifetime)
- Products with high environmental performance, such as LEDs (contribution to energy saving)
The Hirose Electric Group organized an environmental management committee, headed by the President and Representative Director of Hirose Electric, and built an environmental management system (EMS). The system spans four organizations: the groups within the Head Office of Hirose Electric and the three domestic plants: Ichinoseki Hirose Electric, Tohoku Hirose Electric, and Koriyama Hirose Electric.

In accordance with the Hirose Electric Group's overall targets, which conform to our environmental policy, individual plants, divisions, and departments set their own objectives and engage in their own environmental management activities. Each month, individual plants and divisions measure progress toward the achievement of their objectives, and share this information with other organizations. This information is reported to management each quarter, and individual organizations receive instructions from management on how to make improvements where this is deemed to be necessary.

The environmental management committee, which consists of management and division directors, is convened monthly to share information and perform a management review.

**ISO14001 Certifications**

Ichinoseki Hirose Electric acquired ISO14001 certification in 1999. The certification was extended to cover Koriyama Hirose Electric and Tohoku Hirose Electric in 2000. In 2002, the Hirose Electric Group, including the three domestic plants, acquired an integrated certification. This demonstrates our commitment to environmental protection. We completed migration to the revised standard (ISO14001:2015) in 2016.

All of our overseas plants have acquired ISO14001 certification.

<table>
<thead>
<tr>
<th>Year</th>
<th>Plant/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999</td>
<td>Ichinoseki Hirose Electric Co., Ltd.</td>
</tr>
<tr>
<td>2002</td>
<td>The certification was extended to cover Hirose Electric Co., Ltd. (including the domestic three plant), and it was converted to an integrated certification.</td>
</tr>
<tr>
<td>2004</td>
<td>Hirose Electric Malaysia P.T. Hirose Electric Indonesia Hirose Electric (Dongguan, China)</td>
</tr>
<tr>
<td>2008</td>
<td>HIROSE KOREA Co., Ltd.</td>
</tr>
<tr>
<td>2009</td>
<td>Hirose Electric (Suzhou, China)</td>
</tr>
</tbody>
</table>
Setting environmental targets linked to SDGs

The Hirose Electric Group will contribute to achieving the “Sustainable Development Goals (SDGs)” adopted by the UN, through business and environmental activities. The table below shows the relationship between the key environmental management activities of the Hirose Electric Group and the SDGs.

This year, we built a system to link our environmental targets with the SDGs and set environmental targets for fiscal 2020. Focusing on the SDGs, we will promote our environmental activities.

<table>
<thead>
<tr>
<th>Environmental management activities</th>
<th>SDG 6: Clean water and sanitation</th>
<th>SDG 7: Affordable and clean energy</th>
<th>SDG 8: Decent work and economic growth</th>
<th>SDG 9: Industry, innovation and infrastructure</th>
<th>SDG 11: Sustainable cities and communities</th>
<th>SDG 12: Responsible production and consumption</th>
<th>SDG 13: Climate action</th>
<th>SDG 14: Life below water</th>
<th>SDG 15: Life on land</th>
<th>SDG 16: Peace and justice, strong institutions</th>
<th>SDG 17: Partnerships for the goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promotion of an environmental management system</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Compliance with environmental laws and regulations</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Sale of environmentally friendly products</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Energy-saving activities</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Greenhouse gas reduction activities</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Water usage reduction activities</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Paper usage reduction activities</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Waste management and recycling activities</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Reducing the load on the environment through green ICT</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Preservation of biodiversity</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Renewable energy (Solar power generation)</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
</tbody>
</table>

Clean, accessible water for all is an essential part of the world we want to live in.

Energy is central to nearly every major challenge and opportunity.

Sustainable economic growth will require societies to create the conditions that allow people to have quality jobs.

Investments in infrastructure are crucial to achieving sustainable development.

There needs to be a future in which cities provide opportunities for all, with access to basic services, energy, housing, transportation and more.

Responsible Production and Consumption

Climate change is a global challenge that affects everyone, everywhere.

Careful management of this essential global resource is a key feature of a sustainable future.

Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss.
Compliance with Laws and Regulations

The Hirose Electric Group is ensuring compliance with the relevant laws and regulations through the following activities. We have created lists of all the environment-related laws, regulations and rules that apply to Hirose Electric and individual plant. We have also created lists (database) of documents that must be submitted to the relevant government offices to prevent any omissions when we submit such documents.

We periodically ascertain compliance with the relevant laws and regulations based on the assessment standards we are legally required to comply with, and also check compliance with any agreements we have concluded with municipalities.

In addition to the above, we are reinforcing our supervision through a monthly environmental patrol at each plant. The patrol team checks whether our daily activities comply with the relevant laws and regulations.

As a result, no significant violation of the relevant environmental laws and regulations was found during fiscal year 2019, as had been the case in previous years.

In addition, we have requested our suppliers to build environmental management systems and comply with relevant laws and regulations, and we have checked the progress they have made in the creation of these systems. Furthermore, we have visited their sites to verify legal compliance.

Industrial waste disposal facility visitation check

In FY 2019, EMS committee members from each section again shared in the responsibility of inspection of the final disposal facility. This time, I would like to introduce a case where I visited a company that is commissioned to treat liquid industrial waste.

The company is located in Hachinohe City, Aomori Prefecture, 200 kilometers north of Miyako City, where Tohoku Hirose Electric is located, on Route 45.

The company’s main business is producing zinc, but it is also actively involved in the environmental business. We process liquid waste by putting it into cooling systems and also process it through incineration so that only the smallest amount of incinerated ash is produced.

In the inspection, we checked the original manifest slips by taking random samples, and at the treatment site, we checked whether the permit number and treatment items were consistent with the permit and whether the pumping of liquid waste could be operated under safe and leak-proof conditions.

We not only inspected the treatment process, but also tracked the commissioned vendor’s transportation of some types of industrial waste to make sure that the legal speed limit was being followed, and that there was no cargo breakage, as well as whether the drivers were taking appropriate breaks.

After checking this time, no problems were found.
The Hirose Electric Group carries out an internal environmental audit to make sure that its environmental management system is working effectively and being properly maintained in accordance with ISO14001. In fiscal year 2019, the audit was conducted from August 1 to September 6.

This internal audit identified four problems but none of these were major such as significant deviations from the plan or problems affecting the entire system. All the identified problems have since been rectified.

To maintain and renew ISO14001 certification, we undergo periodic external reviews. In fiscal year 2019, the periodic audits were conducted from December 10 through 13. The reviewers confirmed that our environmental management system is being properly maintained.

The Hirose Electric Group provides environmental education for all staff so that every employee understands the importance of environmental protection activities, and has a clear understanding of his or her responsibilities when engaging in these activities. Also, necessary competence at each base of operations is decided, and training is planned and carried out to acquire those capacities.

In addition, we provide specialized education for those personnel who are involved in any work that could potentially cause an emergency or a significant environmental impact. Moreover, we raise awareness among employees of the importance of biodiversity by providing e-learning on the subject and exchanging information about biodiversity.
Environmental Impacts due to Business Activities

We are making sure that our business activities are eco-friendly by ascertaining what impacts these activities have on the environment.

Activities with the potential to cause environmental impacts during fiscal year 2019 are listed below.

**INPUT**

<table>
<thead>
<tr>
<th>Energy</th>
<th>19,213 million kWh (19,449 million kWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas</td>
<td>368 m³ (397 m³)</td>
</tr>
<tr>
<td>Fuel</td>
<td>0 kl (0 kl)</td>
</tr>
<tr>
<td>Kerosene</td>
<td>0.6 kl (0.3 kl)</td>
</tr>
<tr>
<td>Light oil</td>
<td>0.95 kl (0.78 kl)</td>
</tr>
<tr>
<td>Gasoline</td>
<td>42.9 kl (50.7 kl)</td>
</tr>
</tbody>
</table>

**Water resources**

| Clean water     | 39.5 km³ (42.4 km³)                   |
| Groundwater     | 4.6 km³ (4.5 km³)                     |

**Resources**

| Raw materials   | 2,685 t (3,029 t)                    |

**Paper resources**

| Copy paper      | 23.4 t (28.4 t)                      |
| Cardboard       | 303.5 t (356.7 t)                    |

*1 ( ) shows data for fiscal year 2018.

*2 The real CO₂ emission factors of individual power companies were used in the calculation.

**OUTPUT**

**Emissions in the air**

| CO₂   | 9,768.5 t-CO₂ (10,195 t-CO₂) |

**Water discharge**

| Water discharge | 44.1 km³ (46.8 km³) |

**Waste**

| Specially controlled industrial waste | 338.2 t (347.9 t) |
| General industrial waste              | 580.8 t (613.9 t) |

**Products**

| Produced products | 637,010 million pieces (817,530 million pieces) |

**Emissions from physical distribution**

| CO₂   | 319.7 t-CO₂ (318.4 t-CO₂) |
Environmental Objectives and Level of Achievement

The Hirose Electric Group undertakes environmental protection activities by setting annual environmental objectives.

The overall objectives of the Hirose Electric Group are to contribute to realization of a low-carbon society, environmental protection and biodiversity conservation through sales of connectors, to reduce waste, and to operate efficiently. Based on these objectives, individual plant and divisions have set specific activity objectives and are working to reduce the environmental impacts of their operations. The group is reducing its usage of resources and generation of industrial waste through adoption of a long-term target of "reducing our usage of various items per unit of sales by 1% on average for each year up to 2020." The objectives, targets and the level of achievement for fiscal year 2019 are shown below.

We will continue to protect the environment as we strive to achieve the targets we set.

<table>
<thead>
<tr>
<th>Hirose group's objectives</th>
<th>Targets for fiscal year 2019</th>
<th>Achievement in fiscal year 2019</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contribute to realization of a low-carbon society, environmental protection, and conservation of biodiversity through sales of connectors</td>
<td>Complete the planned activities for strengthening control over the use of prohibited materials</td>
<td>100%</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Check 97% of our business partners to find out if their green procurement guidelines are being kept up-to-date</td>
<td>100%</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Improving the in-process defect rate</td>
<td>Cleared the achievement standard</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Reduce spoilage cost</td>
<td>Cleared the achievement standard</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Reduce inventory waste of individual items and products</td>
<td>Cleared the achievement standard</td>
<td>○</td>
</tr>
<tr>
<td>Reduce waste and operate efficiently</td>
<td>Reduce electricity usage amount by 6.79% from fiscal year 2012 (annual average 1.0%)</td>
<td>Reduced by 5.7% *2</td>
<td>× ^4</td>
</tr>
<tr>
<td></td>
<td>Reduce CO2 emissions *1 by 6.79% from fiscal year 2012 (annual average 1.0%)</td>
<td>Increased by 7.7% *2</td>
<td>× ^5</td>
</tr>
<tr>
<td></td>
<td>Reduce water usage by 6.79% from fiscal year 2012 (annual average 1.0%)</td>
<td>Reduced by 35.7% *2</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Reduce the amount of specially controlled industrial waste by 6.79% from fiscal year 2012 (annual average 1.0%)</td>
<td>Reduced by 47.8% *2</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Reduce the amount of general industrial waste by 6.79% from fiscal year 2012 (annual average 1.0%)</td>
<td>Reduced by 40.5% *2</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Reduce paper usage by 6.79% from fiscal year 2012 (annual average 1.0%)</td>
<td>Reduced by 40.7% *2</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Implement an environment patrol</td>
<td>Completed as planned</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Reducing mold making lead time</td>
<td>Completed as planned</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Consolidating electronic data into a portal site.</td>
<td>Made progress as planned</td>
<td>○</td>
</tr>
<tr>
<td></td>
<td>Streamline distribution routes</td>
<td>Cleared the achievement standard</td>
<td>○</td>
</tr>
</tbody>
</table>

*1 The real CO2 emission factors of individual power companies were used in the calculation.
*2 This percentage is calculated in reference to the target amount of usage per unit of production value base.
*3 Due to an expansion of facilities, energy usage has been reduced in respect to the benchmark year, however, the reduction target was not met.
*4 As the CO2 conversion factor for electric power increased by approximately 30% from the base year of fiscal 2012, the CO2 emissions target was not met.
Reduction of Energy Consumption

(Long-term target) Reducing our usage per unit of sales by 1% on average for each year up to 2020, (improvement by 7.73% or more by the end of fiscal year 2020 compared to the reference year 2012)

Based on the Hirose Electric Group’s long-term vision*1 of reducing energy consumption by 7.73% or more by the end of fiscal year 2020 compared to the reference fiscal year 2012, we are doing business with a target of reducing energy consumption by 1% annually, on average. We have put up posters in offices and plant to encourage everyday activities for energy saving, such as turning lights off during lunchtime recess, refraining from using elevators for going up or down two floors, and reducing power consumption in rest rooms.

Tohoku Hirose Electric and Ichinoseki Hirose Electric have been designated as “specified business operators” as defined by the Act on the Rational Use of Energy. It is saving energy in accordance with its medium-and-long term plan. Solar power generation facilities were installed at Tohoku Hirose Electric in 2017, and at Ichinoseki Hirose Electric in 2018. In addition, the lighting at the plant was changed to LED lights, and the boilers were replaced with air conditioners, so Heavy Oil A was no longer used. Energy consumption per unit of sales in fiscal year 2019 was reduced by 1.55%, compared to the target of 6.79%, so the addition of facilities in the past several years has had an impact, with the target not being met.

*1 Our targets are in conformity with the JEITA (Japan Electronics and Information Technology Industries Association) targets.

Solar power generating station (roof top)(Tohoku Hirose Electric)

Heavy oil underground tank backfilling(Ichinoseki Hirose Electric)

Outdoor disposal facility at the Test Center(Ichinoseki Hirose Electric)
Reduction of Greenhouse Gas Emissions

[Long-term target] Reducing our usage per unit of sales by 1% on average for each year up to 2020 (improvement by 7.73% or more by the end of fiscal year 2020 compared to the reference year 2012)

Most greenhouse gas emissions from the Hirose Electric Group arise out of our use of electric power, fuel oil A and gasoline. Most are indirect CO2 emissions produced through electricity generation using fossil fuels.

Japanese power companies were forced to cease operation of their nuclear power stations. As a result, their use of thermal power stations increased, thereby raising the CO2 emissions factor approximately 30% compared to the reference year 2012. Consequently, our emissions of CO2 increased by 12.95%, meaning that the target for fiscal year 2019 of 6.79% reduction was not met. The Hirose Electric Group also controls energy consumption and CO2 emissions at its overseas sites and its partner companies, both within Japan and overseas. Worldwide, CO2 emissions increased in fiscal 2019, mainly due to an increase in CO2 emissions at our partner companies.

*1 We used the real CO2 emission factors provided by individual electric power companies for CO2 emissions in Japan and the factors given in the Greenhouse Gas (GHG) Protocol for CO2 emissions overseas.

[Japan]

| CO2 emissions (Japan Hirose Electric Group) (t-CO2/100 million yen) |
|-----------------------------|-----------------------------|
| Year | Hirose Electric | Tohoku Hirose Electric | Ichinoseki Hirose Electric | Koriyama Hirose Electric | Per unit of sales | The target value |
| 2012 | 7.10 | 9.42 | 10.01 | 10.73 | 6.00 | 8.02 |
| 2013 | 7.83 | 9.93 | 10.07 | 10.16 | 6.84 | 8.64 |
| 2014 | 7.18 | 9.62 | 10.07 | 10.16 | 7.81 | 8.64 |
| 2015 | 7.08 | 9.82 | 10.17 | 10.01 | 8.16 | 8.02 |
| 2016 | 8.02 | 10.01 | 10.16 | 8.02 | 8.02 | 8.02 |

[Worldwide]

| CO2 emissions (includes overseas sites, subcontractors at home and overseas, logistics) *2 |
|-----------------------------|-----------------------------|
| Year | 113 | 121 | 123 | 123 | 136 |

Percentage of CO2 emissions (fiscal year 2019)

- Japan 7.7%
- South Korea 13.9%
- Malaysia 5.3%
- China 5.2%
- Indonesia 2.0%
- Logistics 1.2%
- Subcontractors 64.6%

CO2 emissions by the entire supply chain (fiscal year 2019)

SCOPE 1: CO2 emissions by the Hirose Electric Group
SCOPE 2: CO2 emissions by power companies used by the Hirose Electric Group
SCOPE 3: CO2 emissions by others (logistics, subcontractors, and power companies used by subcontractors, etc.)

Reduction of Greenhouse Gas Emissions from Transportation

To reduce greenhouse gas emissions from transportation, the Hirose Electric Group are taking the following measures:

- Use returnable trays for packaging when shipping products
- Locally procure trays that are used in overseas plant.
- Select efficient distribution routes.
- Change shuttle trucks between Hirose plant from 2-ton trucks to lightweight trucks.
- Replace conventional cars used in plant with hybrid cars.

Hybrid cars
Reduction of Water Usage

[Long-term target] Reducing our usage per unit of sales by 1% on average for each year up to 2020 (improvement by 7.73% or more by the end of fiscal year 2020 compared to the reference year 2012)

The Hirose Electric Group is striving to reduce domestic use of water. Ichinoseki Hirose Electric works to reduce the amount of water used in production; for example, by recycling some of the water used in the plating process.

Water usage for fiscal year 2019 reduced by 28.36% compared to the target of 6.79%.

Reduction of water usage in the plating process

Ichinoseki Plant has a plating line. In the plating line, there is a water-washing process where the chemicals in each process are flushed. A lot of water is used in the process. From the past, we have adopted a multi-stage batch system, and compared to the system that constantly performs water flushing, we have been able to reduce water usage by 1/20.

Furthermore, since fiscal year 2018, we have succeeded in reducing water usage by 10 m³/month by managing flush water according to the production line and operating conditions.

We will continue to work on production with consciousness of water resources.

Reduction of Paper Usage

[Long-term target] Reducing our usage per unit of sales by 1% on average for each year up to 2020 (improvement by 7.73% or more by the end of fiscal year 2020 compared to the reference year 2012)

As part of its commitment to saving resources, the Hirose Electric Group is working to reduce paper usage.

We are reducing paper use by printing on both sides of sheets, condensing two or more pages into a single page, printing on the back of previously used paper, using electronic documents, reducing paper document distribution in meetings by bringing laptop PCs or using projectors, and substituting electronic files for internally circulated paper documents. We also preferentially purchase paper that has an environmental label.

As a result, paper usage for fiscal year 2019 reduced by 49.40% compared to the target of 6.79%
Reduction of Waste and Recycling

[Long-term target] Reducing our usage per unit of sales by 1% on average for each year up to 2020 (improvement by 7.73% or more by the end of fiscal year 2020 compared to the reference year 2012)

The Hirose Electric Group is handling waste produced from its business operations responsibly. Waste is properly classified and managed.

Specially controlled industrial waste is stored and processed at specified storage facilities under strict conditions. We are making sure that general industrial waste is carefully separated into the proper categories by putting up signs that explain how to separate waste into plastic, metal, paper, etc. Furthermore, to generate revenue from waste, we are extracting parts of waste materials for sale as valuable substances or recyclable products.

Ichinoseki Hirose Electric has endeavored to reduce waste disposal by neutralizing acid and alkaline wastes. However, the levels of these wastes have increased significantly as a result of the temporary breakdown of the neutralization facilities in fiscal year 2015. Later, operation of the neutralization facilities was resumed, and emissions were normalized.

All told, the volume of specially controlled industrial waste reduced by 44.07% and that of general industrial waste reduced by 33.74%, compared to the target of 6.79%.

Activities for recycling sold products

Since connectors, which are our main products, are built into our customers’ products, it is difficult for us to recover them.

Our business includes sales of healthcare devices to consumers. We are outsourcing recovery of packaging materials for these products to the Japan Containers and Packaging Recycling Association.
Implementation of a lot tracing system

Since fiscal 2017, Hirose Electric Group has been progressing with the introduction of a lot tracing system using a lot tag (QR code).

With the lot tracing system, working with QR codes and handheld terminals can significantly reduce the amount of time spent on the job. It also improves work quality and prevents human error. For fiscal year 2019, the scope of the system has been expanded to include lot ID tags affixed to 70% of orders.

This has resulted in a reduction in the amount of time spent on each task and a reduction in the amount of paper materials used.

In fiscal 2020, we will continue to expand the scope of the system to achieve traceability and reduce the number of man-hours required for environmental surveys.

Reduced environmental impact through the use of collaboration tools and the development of mobile environments

In January 2017, Hirose Electric Group revamped its groupware as a communication reform. Subsequently, we expanded the use of Web conferencing to overseas offices to promote the use of Web conferencing and make it a common platform for Hirose Global, and in fiscal 2019, we rolled out a new collaboration tool. We are working to further facilitate connections and communications across organizational boundaries even further.

We have also upgraded our wireless LAN environment and switched from desktop to laptop computers in some areas to achieve flexible working styles such as mobile work going forward. We are working hard to make it more convenient than ever and to develop the infrastructure to support the realization of work style reforms.

This increased use of ICT for web conferencing and efficient information sharing has reduced the frequency of employee travel and reduced CO₂ emissions associated with travel. In addition, switching to laptops eliminates the need to print documents for use in meetings, reducing resource use.

We contribute to reducing environmental impacts by utilizing information communication tools as necessary.
Reduction of Environmental Impacts on Living Environment

The Hirose Electric Group is making sure that their operations comply with the relevant laws and regulations of the national and regional governments with regard to prevention of ozone layer damage, inappropriate processing of waste, water contamination, noise and vibration.

For air conditioners, freezers, refrigerators and other equipment that use chlorofluorocarbons installed at each office, to comply with the Act on Rational Use and Proper Management of Fluorocarbons, we conduct simple inspections, periodic inspections, and chlorofluorocarbon leakage management. In accordance with the laws and regulations including waste management according to the Waste Management and Public Cleansing Act, we regularly conduct inspection and measurement to prevent pollution and contamination in the atmosphere, water quality, noise and vibration.

Preparedness for Emergencies

The Hirose Electric Group has compiled response manuals for a wide range of possible emergencies that could potentially have impacts on the environment. We conduct regular drills to confirm that the manuals are effective and to raise the awareness of those concerned.

We also carry out regular fire drills to maintain workplace safety. So far, there have been no emergencies or accidents. We are determined to prevent and expend all possible means to make this happen.

Examples of emergencies

- gas leakage
- gas leakage due to defective ventilation
- broken plating machine
- leakage from a container used to store plating materials
- lead contamination in discharged water
- theft of toxic materials
- broken vessel containing discharged plating solution

Training at the time of the poisonous gases outbreak from the plating plant

Emergency response training for chemical spills

Fire drills
**Biodiversity Conservation**

The Hirose Electric Group is conserving biodiversity by developing, producing and selling environmentally friendly products.

One of the measures we take to raise biodiversity consciousness among all Hirose Electric Group personnel is to provide them with e-learning opportunities on the subject. We then ask them to make a pledge regarding, and to implement, specific actions that they will take in everyday situations to come into contact with biodiversity, help conserve biodiversity, and communicate the message of biodiversity. Each person makes this pledge, which we call “My Action Pledge,” every year, and self-assesses the results of his/her pledge for the previous year, makes a fresh pledge, and implements it.

In addition, in club activities for employees to become better acquainted, there is a club that offers opportunities to “feel” and “communicate” through biodiversity activities, and it has helped raise awareness and dissemination of biodiversity.

**Raising awareness of biodiversity — Club activities —**

The Photography Club carries out activities to enhance biodiversity by taking pictures of beautiful nature scenes as well as aspects of living things. The Scuba Diving Club offers an opportunity to think about biodiversity through experiencing the beautiful ecosystem of the sea.

**Photography Club**
Scuba Diving Club

- Okinawa
- Izu
- Republic of Maldives
Social Action Programs

Cleanup Activities in Local Communities

Since their establishment, Tohoku Hirose Electric and Ichinoseki Hirose Electric have been cleaning up their respective neighborhoods on a regular basis, and will continue to do so. By doing so, they are contributing to the local communities.

Blood Donation (Made at Each Business Site)

All the business sites of the Hirose Electric Group annually participate in a blood donation drive organized by the Japan Red Cross Society.

The “Silver Medal for Merit” awarded by the Japanese Red Cross Society

On October 4, 2017, our blood donation activities over the years have won admiration, and the Japanese Red Cross Society awarded us with the "Silver Medal for Merit". We will make positive approaches in blood donation activities as a social contribution activity from now on.
Communication with Stakeholders

Hirose Technology Exhibitions

Every three years, the Hirose Electric Group holds a technology exhibition. In 2019, Hirose Technology Exhibition CONNEXTION 2019 was held in Tokyo and Osaka. The exhibition in 2019 presented the entire range of new products and technologies that have been designed to meet the needs of the future, including prototypes. The products and technologies were arranged by purpose and application field. Large numbers of visitors congregated around the exhibits, including visitors from overseas.

Communication with Suppliers

The Hirose Electric Group holds a regular TOP training workshop (workshop on quality) and a meeting to exchange New Year's greetings with its suppliers in order to forge a closer partnership. In addition, with a view to incentivizing suppliers to implement environmentally friendly practices, we make a list that ranks suppliers based on a range of evidence submitted by the suppliers themselves, and make the list public.

Formulation of Green Procurement Guidelines

As part of its activities to preserve the environment and protect biodiversity, the Hirose Electric Group has formulated the Hirose Electric Group Green Procurement Guidelines in order to preferentially procure parts and materials that have a low impact on the environment, taking the lifecycle of each product into consideration. The guidelines apply to components that make up products, materials used during the manufacturing process, and the packaging materials used in the shipping of products. They also apply to the machinery and tools used at manufacturing sites. We are making concerted efforts to implement green procurement. We have distributed the guidelines to our suppliers and asked them to establish their own environmental management systems, reinforce quality control of chemicals contained in products, and submit information about such chemicals.

Complaints on Environment from the Neighborhood and/or Stakeholders

Nothing in particular.
Activities at Group Sites to Reduce Environmental Impacts

Activities of Domestic Plant to Reduce Environmental Impacts

Koriyama Hirose Electric (Koriyama Plant)

Address: 87-3, Ogawara, Koriyama, Fukushima, 963-8828, Japan

Business: Production of ribbon-cable connectors, interface connectors, nylon connectors and connectors for automobiles

Koriyama City, located in the center of Fukushima Prefecture, is a hub city that boasts the second largest economy in the Tohoku region after Sendai City in Miyagi Prefecture, and continues to grow as a designated core city and prefectural economic center in the Tohoku region. While the Great East Japan Earthquake, the nuclear disaster, and the floods of Typhoon No. 19 have affected the lives of citizens, the city is vibrant with music, food, and tourism, and has been selected as ‘SDGs City of the Future’ in 2019.

The Koriyama Plant, located in Koriyama City, worked on the following initiatives to reduce impacts on the environment in fiscal 2019.

① We have been recovering scrap metal, which we have been working on since fiscal 2012.
② We have completed the transition from gas water heaters to environmentally friendly electric water heaters and reduced our gas usage to zero. In addition to company-owned vehicles, we have switched all forklift vehicles to electric forklifts vehicles.
③ As of May 2018, there were approximately 900 products in our plant that were subject to the phthalate free switchover under the RoHS Directive. We have achieved phthalate-free products by stopping use or switching to alternatives that comply with the RoHS Directive. We have also established an assurance system in accordance with the RoHS directive for manufacturing processes.
④ We have created an environment for the safe collection and disposal of fluorescent lights. We have also completed a project that has been underway since fiscal year 2018 to convert ceiling fluorescent lights to LEDs.
⑤ We are the naming rights sponsor of the Kaiseisan Track and Field Stadium, which supports healthy living for our citizens.
⑥ The Koriyama Plant was also flooded by Typhoon No. 19 and we decided to move to an industrial park site on higher ground in the city.

We are creating infrastructure that holds up well in natural disasters, developing industries in a sustainable manner and driving innovation.

We will continue to promote recycling and reuse activities in compliance with laws and promote environmentally friendly manufacturing, starting with design.

[Koriyama Plant] Initiatives to Reduce Copy Paper

In fiscal year 2019, we reviewed copying and printing throughout the plant.

The three main things we worked on were as follows
① We have reduced fax and photocopying requests, memos, reports, etc., and promoted the use of electronic technology to reduce the use of copy paper and storage space.
② In meetings, notebook PC’s and projector displays were used for display in order to reduce handouts. (In particular, color copies were prohibited.)
③ Regarding printing methods, we reduced the number of sheets printed by printing on both sides of the paper, changed the size of print materials that could be reduced in size from A3 to A4 sized paper to save paper, and used the backside of already used paper for internal documents to reduce the number of sheets.

As a result of these initiatives, we have been able to reduce the amount of A4 sized copy paper by 20% (14 boxes) per year as a result of saving paper resources and going paperless. The amount of copies made in the first half of 2019 was about 1.5 million yen, but in the second half of the same year, the amount was reduced to about 790,000 yen, and on average, 12,000 fewer copies per month in terms of the number of copies made, leading to a result that is better for the earth and for company finances.

We will continue to promote this initiative in the future.
Tohoku Hirose Electric (Miyako Plant)

Address: 21-2, 2nd Chiwari, Akamae, Miyako, Iwate, 027-0202, Japan
Business: Production of nylon connectors (primary processing and assembly), and development and production of advanced metal molds and automated machinery.

Miyako Plant is located in Miyako City of Iwate Prefecture in the Sanriku Reconstruction National Park, which is blessed with the mountains, rivers and the sea. It is located in the easternmost region of Honshu, where the sun rises earliest in mainland Japan. Facing the Pacific Ocean, the fishing industry is prosperous. In order to protect this rich natural environment, Miyako Plant is working hard to reduce environmentally hazardous substances.

We view “Reducing environmental impact=Improving quality=Reducing costs”. Defective products are directly linked to waste of energy and resources (people, goods, and money). In addition to daily operations, we are promoting quality improvement through QC circle activities and improvement proposals and promoting effective use of energy and resources, and reduction of waste.

Miyako Plant is also working to improve the availability of automated machines with the aim of improving the productivity of manufacturing facilities. By increasing the number of units produced per unit time, we are contributing to the reduction of energy consumption per unit of sales.

---

**[Miyako Plant] Introduction of energy-saving equipment into new building construction**

Introduction of energy saving features into the precision metal mold building where construction was begun in July 2017 and completed in May 2018.

1. **Energy saving by solar power generation**
   We installed a 144-panel 40kW photovoltaic power generating system on the roof. The 20kWh storage battery can store a portion of photovoltaic power and nighttime electric power, and it can be used not only for the installed precision metal mold building but also throughout the plant in case of emergencies.

2. **Energy saving built in for air conditioning**
   By using a double layer folded structure in the roof and a high-performance heat insulating material on the walls*, we realized an energy savings of about 49% compared to the conventional air conditioned building.

   *(Construction company simulation)*

   *Measuring 35mm, there is about a 10 fold improvement in insulation effect compared with the (100mm concrete + 45mm urethane foam) structure.

Comparison of thermal insulation effect

| Structure Type | Roof Structure | External Walls | Annual Power Consumption (%)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional structure</td>
<td>Single folded plate</td>
<td>Conventional material</td>
<td>100</td>
</tr>
<tr>
<td>New building structure</td>
<td>Double folded plate</td>
<td>High performance material</td>
<td>51</td>
</tr>
</tbody>
</table>

Precision metal mold building
Ichinoseki Hirose Electric (Ichinoseki Plant)

Address: 14-36, Todai, Ichinoseki, Iwate, 021-0822, Japan
Business: Production of coaxial connectors, high-frequency/optical devices, optical connectors, interface connectors, and processed components

The Ichinoseki Plant faces Mt. Kurikoma, found in the center of Kurikoma Quasi-National Park to the west, and is surrounded by Mt. Murone and the mountains to the east, and is located in an area where you can feel the rich natural environment near many rivers such as the Kitakami River and the Iwai River.

In this beautiful environment, we practice corporate activities that take into account the impact on the local living environment.

In fiscal 2019, we mainly carried out the following activities to reduce environmental impacts.

1. Introduction of environmentally friendly infrastructure
   All lighting equipment in the plant has been converted to LED. In addition, motion sensors have been installed in corridors, restrooms and changing rooms to further reduce energy consumption. Approximately 230,000 kWh of electricity and 99 tons of CO₂ emissions are expected to be reduced annually.
   Also, by eliminating the use of fluorescent lights, we have reduced the industrial waste of mercury-based products to zero.

2. Promote upgrading to metered cubicles (facilities that transform high voltage at power plants)
   In order to further reduce electricity consumption, we upgraded to metered cubicles to enable us to monitor the current status of electricity consumption in each section and to be able to make energy savings transparent from 2020.

3. Waste Reduction Activities
   The ROC Production Department is continuously working to reduce the environmental impact of waste products.
   The majority of the waste generated is mainly due to mistakes that occur in the manufacturing process. This is why we are mainly engaged in activities to improve quality.

   One such activity is the QC Circle, in which all members of the section work together to reduce waste by solving problems that occur daily in accordance with QC stories and deal with quality problems and various defects (errors) before they become major.

4. Biodiversity Initiatives
   By ensuring that we do not use environmentally hazardous substances in our manufacturing, we are reducing our impact on the global environment and promoting activities to protect biodiversity.

   We will continue to engage in activities to reduce our environmental impact in order to protect our rich natural environment.
[Inchinoseki Plant] Selection of energy-efficient facilities for a new test center building

At Ichinoseki Plant, the new testing center building commenced operations in March 2018. The new testing center building has been designed with the following environmental impact reductions. Going forward, we will make effective use of the system to reduce impact on the environment.

- Each test machine is network-connected and visually monitored online.
- We have introduced a system for 24-hour monitoring of ignition information in energization testing, gas leakage information in gas corrosion test equipment, and water leakage information around water piping.
- An electric power monitoring system enables discrete monitoring of power consumption area by area. We will use this system to promote energy conservation.
- Other areas
  - Air conditioner efficiency improvement by reducing the number of windows
  - Power saving by LED lighting
    (Reduction of electric power by 5 kWh per year from the levels of conventional fluorescent lamps)
  - Improvement in air conditioning efficiency and noise reduction through outdoor installation of intake and exhaust vibration equipment
    (Air Conditioning Efficiency : 40% reduction in electricity use; Noise Reduction : Up to 20dB reduction)

[Inchinoseki Plant] Management of Hazardous Substances in Products

The Ichinoseki Plant has long been working to prevent harmful substances contained in its products from escaping in post-processing.

In addition to the six substances previously regulated by the EU RoHS Directive, we introduced new analytical equipment in 2018, allowing us to evaluate the four additional regulated phthalate esters in-house. Phthalate esters (phthalates) are difficult to determine if they are mixed with plastic, so we had to commission an organization that does analysis to evaluate them, but it took a very long time (about 5 days for the shortest delivery time).

Therefore, in order to speed up the evaluation of new materials in new product development and the evaluation of alternatives to conventional products, we have established in-house phthalate ester analysis technology, which enables us to evaluate products in a short period of time.
<Hirose Electric Co., Ltd.>
1) HEADQUARTERS
2-6-3 Nakagawa Chuoh, Tsuzuki-ku, Yokohama
224-8540, Japan

2) GOTANDA OFFICE
5-5-23 Osaki, Shinagawa-ku, Tokyo 141-8587, Japan

3) KIKUNA OFFICE
7-3-13 Kikuna, Kohoku-ku, Yokohama 222-8566, Japan

4) KANSAI BRANCH
Shinosakaiida Bldg. 7F, 1-5-33 Nishimiyahara, Yodogawa-ku, Osaka 532-0004, Japan

5) CHUBU SALES OFFICE
Nomura Bldg. 4F, 2-7-12 Saiwaicho, Kariya, Aichi 448-0025, Japan

6) KITAKANTO SALES OFFICE
Chuoh-Utsunomiya Bldg. 5F, 3-1-1 Higashisyukugo, Utsunomiya, Tochigi 321-0953, Japan

7) WEST JAPAN SALES OFFICE
Momiji-Hiroshima-Hikarimachi Bldg. 4F, 1-12-20 Hikarimachi, Higashi-ku, Hiroshima 732-0052, Japan

<SUBSIDIARIES>
1) TOHOKU HIROSE ELECTRIC CO., LTD.
Miyako, Iwate prefecture, Japan

2) ICHINOSEKI HIROSE ELECTRIC CO., LTD.
Ichinoseki, Iwate prefecture, Japan

3) KORIYAMA HIROSE ELECTRIC CO., LTD.
Koriyama, Fukushima prefecture, Japan
Activities of Overseas Sites to Reduce Environmental Impacts

Since the first signing of an overseas agency agreement in 1967, the Hirose Electric Group has steadily expanded its overseas business operations. In addition to putting in place a sales network that interconnects Japan, Asia, America and Europe, we have established overseas production sites to meet worldwide demand. We intend to press ahead with globalization of our design and development capabilities in order to enhance our international brand and global market share.

As we become more globally oriented and active, we are promoting activities to reduce environmental impacts in ways that are appropriate for individual sites. In particular, the production sites that generate relatively large environmental loads have obtained ISO14001 and ISO9001 certifications and established systems for ensuring ongoing improvement in their endeavors to protect the environment, comply with relevant laws and regulations, and prevent contamination.

We have also established a watertight quality control system with regard to hazardous materials contained in products, as part of our efforts to promote product recycling and green procurement. For example, we have installed X-ray fluorescence spectrometers to implement our slogans of “Do not allow entry of,” “Do not mix” and “Do not produce” hazardous materials in our products.
# History of social and environmental activities

<table>
<thead>
<tr>
<th>Year</th>
<th>Activities</th>
<th>Certifications and participation in relevant organizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970s</td>
<td>Ceases cadmium plating</td>
<td></td>
</tr>
<tr>
<td>1980s</td>
<td>Stops the use of asbestos and specified bromine fire retardants</td>
<td></td>
</tr>
<tr>
<td>1990s</td>
<td>Eliminating the use of CFCs in manufacturing processes.</td>
<td></td>
</tr>
<tr>
<td>1999~2000</td>
<td></td>
<td>Ichinoseki Hirose Electric Co., Ltd. and Tohoku Hirose Electric Co., Ltd. acquires ISO14001 certification</td>
</tr>
<tr>
<td>2002</td>
<td>Promotes lead-free products</td>
<td>Hirose Electric (including the above domestic plant) expands the certification area and switches to an integrated ISO14001 certification.</td>
</tr>
<tr>
<td>2003</td>
<td>Promotes lead-free products</td>
<td></td>
</tr>
<tr>
<td>2004</td>
<td>Stops the use of chlorine organic solvents (dichloromethane)</td>
<td>Hirose Electric Malaysia, P.T., Hirose Electric Indonesia and Hirose Electric (Dongguan, China) acquires ISO14001 certification.</td>
</tr>
<tr>
<td>2005</td>
<td>Formulates the Hirose Electric Group Code of Conduct</td>
<td>Participates in Japan Green Procurement Survey Standardization Initiative (JGPSSI)</td>
</tr>
<tr>
<td>2006</td>
<td>Complies with the RoHS directive (begins to supply substitute products not containing RoHS prohibited substances)</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>Installs X-ray fluorescence spectrometers in all production sites both in Japan and abroad</td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>Increases the number of X-ray fluorescence spectrometers (at Koriyama and Ichinoseki Plant)</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>Begins preparations to comply with the REACH directive</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>Begins preparations to comply with the revised RoHS directive</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>Revises the Hirose Electric Group Code of Conduct</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>Formulates the information security policy</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>Formulates the business continuity plan (BCP)</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>Begins to increase halogen-free products</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>Establishes the CSR Committee</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>Begins activities to preserve biodiversity</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>Revises the Hirose Electric Group Code of Conduct</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>Ceases manufacture of products that contain dibutyltin compounds</td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>Begins preparations for revision of ISO14001</td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>Begins preparation for the expected revision to the RoHS directive</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>Completes migration to ISO14001:2015</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>Responds to the revision to the RoHS directive (banning of phthalate-containing products and guidance on alternative products)</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>Completes responses to the revision to the RoHS directive (Discontinuation manufacture of products containing phthalates and guidance on alternative products)</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>Setting environmental targets linked to SDGs</td>
<td></td>
</tr>
</tbody>
</table>
Based on the information in the ‘Hirose Electric Group Social and Environmental Report 2020’, this section discusses what should be evaluated about the Group’s CSR activities and what we expect to see in the future.

Activities in fiscal year 2019

I can confirm that Hirose Electric Group is developing its CSR activities on a global scale, and these activities are steadily showing results at each of its sites.

In fiscal 2019, the Koriyama Plant suffered extensive flooding damage from Typhoon 19, which caused extensive damage to the plant. In response to this, a decision was made to relocate the plant to higher ground in Koriyama City to ensure sustainable business activities in the future (land acquisition was made on April 30, 2020). This is an advanced adaptation measure that can be highly regarded as a ‘proactive response’ to climate change within the Group. With the completion of the switch to LED lighting in the plant, we can expect a significant reduction in energy consumption for lighting in future operations.

At the Miyako Plant, the basic understanding is that ‘Reducing environmental impact=Improving quality=Reducing costs’ and the plant is promoting improvements in its daily production activities. I feel that this shows a fundamental understanding that CSR compliance is a fundamental part of business management. However, overall, I feel it is a bit regrettable that there is no clear linkage to business activities. If possible, we would like to see the specific results disclosed as data to the extent that it can be made public.

In terms of reducing the environmental loads of the Group as a whole, targets for water consumption, paper reduction and waste reduction have all been exceeded over the past few years, indicating that environmental loads reduction activities have been maintained at a high level.

On the other hand, energy-related targets have not been achieved in recent years due to global business development, and the gap between the energy-related target values and the greenhouse gas reduction targets in particular is increasing. As mentioned in our previous third-party opinion, there is no need to be too concerned with temporary trends, but we recommend that long-term policies be reviewed after analyzing the factors in relation to business promotion.

When reviewing the targets for social and environmental targets (especially items related to connector sales and items for which the target has been exceeded), we urge you to consider setting more quantitative and objective targets that are appropriate for your business conditions.

Future activities

Even after the second half of 2020, it will be essential to establish a flexible management system capable of responding to all types of risk, including the novel coronavirus. This group’s unchanging philosophy of being a “small company that connects wisdom” is the best way to think about how to flexibly adapt the business entity itself in the midst of rapid and accelerated social change.

Unfortunately, due to the current unpredictable situation, a medium-term business plan for the 2020 fiscal year have not been announced. However, given that no major changes have been made to policies, I expect to see appropriate and timely CSR responses linked to business continuity.

I hope that the next ‘Medium-and Long-Term Social and Environmental Targets’ will concretely reflect what kind of social presence I can expect to continue to have over the next generation, and to further development.
Response to the Third-party Opinion

I would like to thank Professor Ryosuke Ugo of the Department of Human Environment at the Shonan Institute of Technology for his valuable comments on our environmental activities this year.

In fiscal 2019, our Koriyama plant was flooded by Typhoon No. 19, which made it a year for us to think deeply about and implement BCP responses to environmental changes. As a concrete response to the flood damage, we have decided to relocate the plant. However, in order to achieve a fundamental solution, we strongly feel that it is necessary to reduce the impact of our business activities on the environment, even if only a little at a time.

We have also included a link between our corporate activities and the SDGs in our fiscal 2019 Environmental Report and will continue to do so in fiscal 2020. We started with our employees’ understanding of the relationship between our corporate activities and the objectives of the SDGs, and we formulated this year’s environmental targets with the SDGs in mind. We will continue to raise the awareness of each and every one of our employees towards environmental issues and at the same time, we will continue to strengthen our CSR measures.

In spite of the unprecedented situation caused by COVID-19, we will continue to value communication with our stakeholders to achieve sustainable growth.

Contact Information
Environment Management Office
Hirose Electric Co., Ltd.

6-3, Nakagawachuo 2-chome, Tsuzuki-ku, Yokohama, Kanagawa, 224-8540, Japan
TEL: +81-45-620-3563; FAX: +81-45-591-3727