SONY

CSR REPORT 2 0 1 6

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About CSR Reporting

Sony first issued its environmental report in 1994, then enhanced the information related to corporate social responsibility (CSR) and changed the name of report to "CSR report" in 2003. In 2012 and 2013, Sony issued its Annual Report which included its financial and CSR information.

In order to update disclosure information rapidly against the changes of Sony's business area and its circumstances, Sony is disclosing its CSR activities mainly on this website from 2014.

You also find more detail of Sony's CSR activities on this website.

Reporting Scope and Composition

- This website summarizes the CSR activities of the Sony Group worldwide during fiscal 2015 (which began on April 1, 2015 and ended on March 31, 2016). It also includes reporting on some material activities, such as major organizational changes, up to the end of July, 2016. In this website, the Sony Group refers to Sony Corporation the parent company that operates in Japan and all consolidated subsidiaries in which Sony Corporation holds a capital stake of more than 50%. "Sony" and "the Group" refer to the Sony Group. For consolidated subsidiaries, please see "Affiliated Companies (Japan)" and "Affiliated Companies (Outside Japan)."
- Sony discloses its operating and financial results on its "Investor Relations" website and information on its CSR activities on its CSR website.
- This report contains Standard Disclosures from the GRI Sustainability Reporting Guidelines and the Environmental Reporting Guidelines (Fiscal year 2012 version) published by Japan's Ministry of the Environment. For comparative tables charting content covered in accordance with the GRI Sustainability Reporting Guidelines, please see below.

GRI Sustainability Reporting Guidelines G4 and Content Index

• Materiality for defining content has been identified by two axes (materiality matrix): Sony views CSR materiality assessment as a process for understanding issues of importance to its various stakeholders as well as its business and for validating its CSR material aspects in a manner which will help to prioritize its CSR initiatives.

CSR at Sony

• A third-party report on verification of environmental data is available below.

Independent Verification Report

Management Message



Updated on September 7, 2016

All of the Sony Group's businesses are united in pursuing sustainable growth under the mission of inspiring and fulfilling the curiosity of customers across the globe. Spanning a wide range of fields including electronics, motion pictures, music, financial services, and network services, the diversity of our operations is the source of Sony innovation. Every day, our employees-with their diverse skills and backgrounds-all aspire to realize the Sony mission with the same spirit of innovation and challenge articulated by Sony's founders in the company's Founding Prospectus.

In our corporate social responsibility initiatives, we are determined to ensure that our businesses operate in an ethical, sound and responsible manner. We strive to generate maximum social value with our technologies and content using an innovation-driven approach. This is how the Sony Group enhances corporate value and helps to build a better, more sustainable world for all.

The business landscape surrounding the Sony Group is constantly changing. Around the world today, we are confronted with increasing social instability, due to climate change , challenges associated with the growing number of refugees, and the threat of terrorism. Meanwhile, expectations are rising for new technologies and industries, like the Internet of Things and artificial intelligence, that can enrich people's lives.

Against this backdrop, the United Nations adopted the Sustainable Development Goals at the Sustainable Development Summit in September 2015. These goals provide a roadmap for all kinds of global stakeholders to follow—including corporations—in order to build a more sustainable world in the long term. By engaging in continuous dialogue with stakeholders as a global corporate citizen, Sony aims to increase awareness of the importance of promoting a culture with respect for diverse values, and also of the unique role Sony should play in address the challenge of building more sustainable societies.

This year marks the 70th anniversary of Sony's founding. With our sights set on sustainable growth, we are laying the foundations for the future by boldly pursuing new businesses, and are continuing to strive toward the creation of new value. I invite you to keep looking forward, with Sony.



Razuo Hirai

President and Chief Executive Officer

Representative Corporate Executive Officer

Sony Corporation

CSR at Sony

CSR at Sony

"It is the core corporate responsibility of Sony Group to the society to pursue its corporate value enhancement through innovation and sound business practice."

(Sony Group Code of Conduct, adopted in May 2003)



Sony's corporate social responsibility (CSR) activities reflect its philosophy of implementing sound business practices; innovating to realize products, services and content that inspire and excite; assisting the communities in which we operate; and helping to shape a better, more sustainable society. Sony aims both to benefit society and enhance corporate value through these activities.

Identifying CSR Key Areas of Focus and CSR Material Aspects

CSR Key Areas of Focus

Sony currently promotes CSR initiatives in line with its CSR agenda, which sets seven key areas of focus-corporate governance, ethics and compliance, human resources, responsible supply chain, quality and services, environment and community engagement-with the aim of strengthening its operating foundation and continuously enhancing its corporate value. Stakeholder input on CSR-related issues and suggestions are fed back to management and to pertinent Sony departments (e.g., legal, compliance, environment, product quality, procurement

and human resources), to be incorporated into key actions, including the formulation of Sony Group policies. Sony's CSR section is tasked with monitoring the progress of initiatives and disclosing information about Sony's efforts by preparing CSR reports and promoting dialogue with stakeholders.

CSR Organizational Structure

Identifying CSR Material Aspects

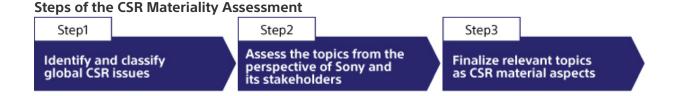
To align and respond effectively to evolving social imperatives and changes in the business environment, Sony recently conducted a CSR materiality assessment with BSR, an independent organization with expertise in global CSR trends and international standards, with the aim of validating its CSR key area of focus by incorporating the perspectives of stakeholders and to identify emerging CSR topics relevant to new business areas.

CSR Materiality Assessment Process

The Sony Group is a global organization with a broad business portfolio. Sony is engaged in the development, design, manufacture, and sale of various kinds of electronic equipment and devices for consumer and professional markets as well as game consoles and software. Sony is also engaged in the production and distribution of motion pictures, television programs, music, and digital networks. Further, Sony is also engaged in various financial services businesses through its Japanese insurance subsidiaries and banking operations through a Japanese Internet-based banking subsidiary. Given the diversity of the Group's operations, the expectations of its stakeholders regarding its CSR initiatives also vary. Sony views CSR materiality assessment as a process for understanding the expectations of multi-stakeholders as well as business and validating its key CSR area of focus, which will help us prioritize our CSR initiatives.

In conducting the CSR materiality analysis, we first identified global CSR issues of particular relevance to Sony. We then looked at those issues that are most significant today as well as emerging those issues to its external stakeholders, which include nongovernmental organizations (NGOs), customers, and socially responsible investors, as well as at stakeholders' views regarding the changes in roles and responsibilities of corporations. Sony then assessed those issues likely to

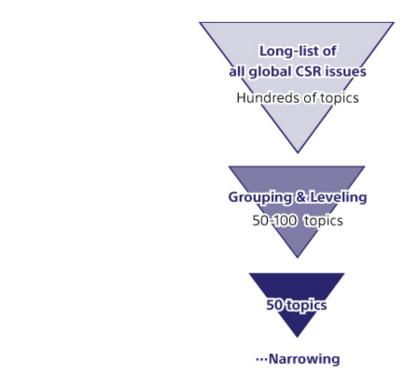
have mid- to long-term business strategies and identified topics that are material from both a stakeholder and a business perspective.



Step 1: Identify and classify global CSR issues

Using both internally and externally sourced information, Sony compiled a list of all identified topics it could conceive of as potential items of relevance, categorized related items into groups, and then narrowed the list down to about 40 final items. To identify global CSR issues, Sony referred to relevant sources such as the Sustainability Reporting Guidelines issued by the Global Reporting Initiative (GRI), and the Sustainable Development Goals set by the United Nations.

See "Contributing to Sustainable Development Goals" for information about Sony's contribution to the goals.



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Step 2: Assess the topics from the perspective of Sony and its stakeholders

The global CSR issues identified and classified in the Step 1 were assessed from Sony's perspective by taking into account the following viewpoints:

- Persons at Sony in charge of each topic were interviewed to assess the importance of the topics and their relevance for Sony's business
- The knowledge of external experts was obtained to assess the relevance of the topics for Sony's business

The same issues were assessed from the perspective of stakeholders by taking into account the following viewpoints:

- External experts specializing in areas related to Sony's business, including entertainment, media, ICT, and finance, were interviewed to assess the importance of the topics
- Opinions of external experts were obtained to assess the relevance of the topics for key stakeholders, such as NGOs, civil society and community organizations, consumers, and socially responsible investment rating organizations

In addition, Sony also considered issues and concerns expressed by stakeholders during the course of its business activities.

Stakeholder Engagement and Partnership

Step 3: Finalize relevant topics as CSR material aspects

A presentation of the results of the Step 2 assessment was created, and then reviewed by relevant departments and approved by management. Topics deemed particularly important were finally specified as CSR material aspects.

Key Findings

Based on the results of its CSR materiality assessment, 25 topics listed below have been specified as CSR material aspects. In addition to the aspects Sony has been engaged in seven key areas of focus, there were aspects such as Human Rights that encompass multiple areas, as well as aspects such as Innovation and Data Security that has been of great importance for Sony but recognized the importance again from stakeholders' perspectives. Accordingly, while recognizing the importance of these CSR material aspects, the Sony Group intends to pursue initiatives addressing these aspects.

Contributing to Sustainable Development Goals

The Sustainable Development Goals were adopted by the United Nations General Assembly in 2015. They were formulated based on the outcome of the Millennium Development Goals, which, being established in 2000 with the intention of realizing a better international community, were supposed to be accomplished by 2015. The Sustainable Development Goals are comprised of 169 targets organized under 17 goals related to issues such as poverty, inequality, education, and the environment. The initiative is not only intended for developing nations, but applies to all countries, including advanced countries.

Sony has studied the relationship between these goals and its business, including its supply chain. Specifically, Sony has assessed the impact of its business activities on the targets set under goals 3, 8, 12, and 13, namely "good health and well-being," "decent work and economic growth," "responsible consumption and production," and "climate action," respectively. Furthermore, Sony is committed to helping accomplish goals 4, 5, 9, and 17, namely "quality education," "gender equality," "industry, innovation and infrastructure," and "partnerships for the goals," respectively, by drawing on the capabilities of Sony Group employees and its partnerships with stakeholders, and by utilizing its products, services, technologies, and innovations.

Seed Acceleration Program (SAP) Promotes Innovation

Sony Global Education Promotes Innovation in the Field of Education

SUSTAINABLE GEALS 17 GOALS TO TRANSFORM OUR WORLD





































CSR at Sony

Updated on September 7, 2016

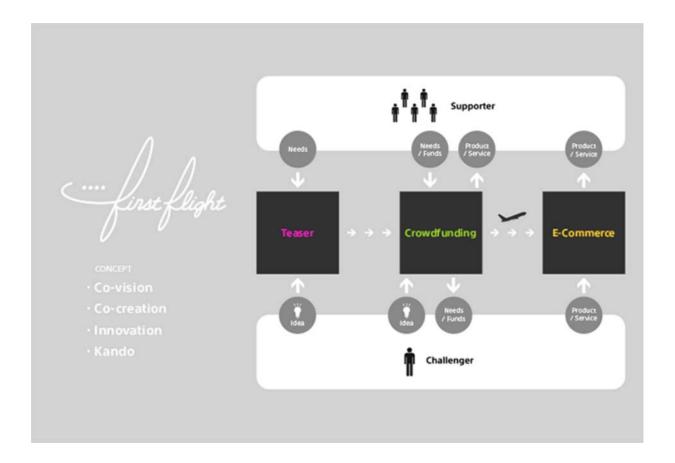
Seed Acceleration Program (SAP) Promotes Innovation

Sony's Seed Acceleration Program (SAP) was launched in April 2014 to collect ideas that are beyond existing business categories and develop them for commercialization. The Sony Group has a broad array of human and management resources in electronics, entertainment, financial services, and other fields. Making innovation happen by launching start-ups continuously in a way that only Sony can, by leveraging collaboration involving technologies and talents that cut across the boundaries of existing specialties, and by accelerating the establishment of tie-ups with joint venture companies that are active in complementary fields.

SAP: Searching for New Ways for Creating Products

SAP is a new approach Sony uses to quickly launch new businesses by tapping into the manufacturing know-how it already possesses. One initiative that Sony has undertaken under SAP is "First Flight," a crowdfunding and e-commerce website set up in 2015 to provide a platform where Sony's new business projects can make connections with customers who are ahead of the curve and want to use new products and services and with customers who are interested in helping to turn those projects into vibrant businesses.

Under the First Flight crowdfunding model, a project undergoing evaluation for possible launch as a new business is announced to the public as quickly as possible to get more people involved in considering whether it meets real market needs and exploring whether it can be turned into a marketable product. In addition, business proposals and progress in the development process are reported on the website to elicit customer feedback that can then be incorporated into the development process.



In addition, Sony headquarters in Tokyo has set up a Creative Lounge with 3D printers and other machinery that people can use to test out ideas for new businesses. The Creative Lounge is also open to outside users, who can interact there with Sony employees, use the equipment to make and test prototypes, and try out Sony's prototypes. Working in direct contact with customers facilitates joint efforts to develop and improve products, and makes it possible to launch totally new types of business more quickly and with much greater assurance of success.



Making the Most of Employee Talent

Two of the things Sony envisions SAP accomplishing are the cultivation of a new generation of entrepreneurial talent and the training of teams of professionals who can accelerate the creation of new businesses. The startup projects that have emerged from SAP have been led by small teams of elite employees, to be sure, but these teams have also received a lot of in-house support from knowledgeable people and professionals specializing in many different fields. It is also possible for people from outside Sony to take part in projects. Utilizing Sony's wide range of talent pool, combined with a system of communication and open innovation, affords opportunities to make the most of the abilities of Sony employees.

First Flight

CSR at Sony

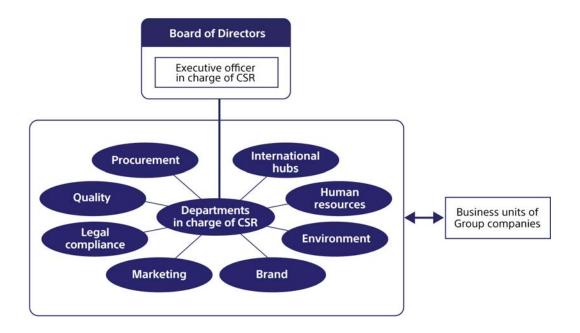
Updated on September 7, 2016

CSR Organizational Structure

CSR Organizational Structure

Sony has established an internal organizational structure for CSR implementation, led by an organization based at Sony Corporation headquarters and overseen by the executive officer in charge of CSR. The organization plans and sets objectives for CSR-related initiatives, makes these initiatives known throughout the Sony Group, and provides relevant information to the public.

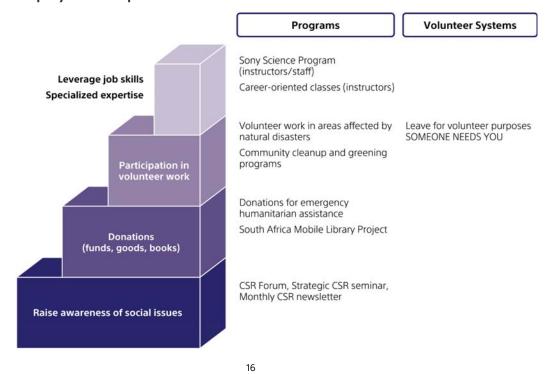
The department also discloses CSR-related information to the public, promotes dialogue with stakeholders, reports on various external inputs to the CSR officer, and works to ensure that these external inputs reach pertinent managers and relevant departments at headquarters (including those in charge of legal affairs and compliance, the environment, product quality, procurement, human resources, and marketing) and are incorporated into management's actions. The relevant departments then implement CSR activities throughout the Group by ensuring policies and initiatives thus incorporated are conveyed to Group companies.



Raising Awareness

Recognizing the importance of raising employee awareness with regard to the effective promotion of CSR, Sony offers a variety of educational programs based on a three-level approach, whereby employees are encouraged first to learn about CSR, second to participate in CSR activities and third to incorporate CSR into their day-to-day work.

Employee Participation in CSR Activities



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e-learning

CSR training for new employees and managers focuses on instilling know-how and introducing Sony's CSR program.

CSR Update (Newsletter)

Sony publishes *CSR Update*, a monthly newsletter for Sony Group employees detailing Sony's principal CSR initiatives and reporting on related awards received from third parties and CSR trends.



CSR Forum

Held after hours and completely voluntary, the CSR Forum provides Sony employees in Japan with the opportunity to increase their knowledge of CSR. This event features lectures by invited experts, film screenings and other activities, and addresses a variety of themes, including emergency relief, the environment, human rights, poverty, international understanding, employment opportunities for persons with disabilities, work-life balance and diversity, base-of-the-pyramid (BOP) businesses and social innovation. Employees of Sony Group companies were able to view the proceedings via streamed video or other media, substantially boosting participation in the event.

Employee Participation

Sony believes that employee participation is crucial to ensuring its community engagement activities are truly meaningful. Accordingly, Sony encourages employees to be aware of social issues, strive constantly to deepen their understanding and then participate in fundraising initiatives, community projects and/or other activities. Sony also encourages employees to act as instructors for workshops organized for children and students and in other capacities that capitalize on their specialized skills.

Volunteer systems for employees

- Leave for volunteer purposes
- "SOMEONE NEEDS YOU" (employee volunteer program)

Volunteer initiatives

- Employee volunteer work in areas affected by the Great East Japan Earthquake
- Instructors and staff for Sony Science Program
- Cleanup activities and tree-planting, among others

Fundraising and donation programs

- Emergency humanitarian assistance
- South Africa Mobile Library Project

Related information:

Volunteer systems for employees

CSR at Sony

Updated on September 7, 2016

Stakeholder Engagement and Partnership

Recognizing that conduct that is socially and professionally acceptable in one culture or region may be viewed differently in another, personnel are required to give careful consideration to cultural and regional differences in performing their duties. (Sony Group Code of Conduct)

Relations with Stakeholders

Sony understands that addressing issues of interest to its many stakeholders is intrinsically linked to its ability to ensure a strong operating foundation, which is in turn vital to ensuring the well-being and sustainability of its business activities and to achieving sustainable growth. Sony's CSR initiatives reflect this understanding. Sony works to earn the trust of its stakeholders through its business activities, as well as through a range of CSR initiatives.

Stakeholders	Principal Goals	Main Communication Methods
Customers	 Provide products that deliver satisfaction, safety and peace of mind from the customer's perspective Provide customer service that further enhances customer satisfaction Enhance usability and accessibility 	 Information regarding products and services Customer Center (handles enquiries from customers) Important notices regarding products and services Purchaser's questionnaire Participation in trade shows and exhibitions Seminars Sony & Accessibility website First Flight website Various social media sites

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Shareholders	Ensure swift and appropriate disclosure	 General meetings of shareholders and presentations on financial results IR Day and
Shareholders	 Achieve continued growth in corporate value 	meetings for individual investorsWebsites disclosing information for investors
Business partners	 Ensure appropriate, transparent and fair procurement practices, in line with the Sony Group Code of Conduct and Sony Supply Chain Code of Conduct Ensure that procurement practices are in harmony with the environment and society (including labor issues, human rights and conflict minerals) 	 Explanatory meetings concerning the supply chain Audits and surveys related to CSR procurement Dedicated website for business partners and a department established for handling their enquiries Periodically held conferences for business partners Conflict Minerals Policy Hotline

Employees	 Support employees with diverse backgrounds Promote diversity in hiring Foster global business leaders and engineers who will drive growth in the future Support individual careerbuilding efforts) Promote dialogue through employee surveys and town hall meetings 	 Town hall meetings Career counseling Sony Ethics & Compliance Hotline Labor-management negotiations Occupational Health & Safety Committee In-house newsletters and intranet
Local communities	 Promote initiatives that contribute to communities in fields where Sony is best able to do so Provide emergency relief Work with NGOs and NPOs to help resolve issues facing society 	 Local volunteer activities Participation in events held by local organizations and governments Social contribution activities

Global environment

- Reduce the environmental footprint of Sony's business activities and products throughout their life cycle to zero
 - Reduce CO2 emissions of Sony's business activities and products throughout their life cycle to zero
 - Reduce the volume of virgin resources used and maximize the use of recycled resources; conserve water resources; and promote the collection and recycling of end-of-life products
 - Prevent pollution by reducing the volume of chemical substances used
 - Promote the conservation and restoration of biodiversity and the sustained use of biodiversity-friendly products

- Activities for contributing to the community and reducing the environmental burden at each worksite
- Measures for considering the environment over the lifecycle of products and services
- Environmental information provided through communication with various stakeholders
- Information provided on the Sony Eco website

NGOs, NPOs and other organizations

- Collaborate with NGOs and NPOs to help address social challenges
- Participate in global frameworks
- Participate in CSR-related organizations and projects
- Activities held in collaboration with NGOs and NPOs

Partnership and Participation in Multi-stakeholder Frameworks

For Sony, engaging and working together with various stakeholders is vital for pursuing CSR activities. Sony not only promotes engagement with stakeholders in implementing its CSR activities but also encourages the participation of multistakeholder groups in the planning of those activities, thereby contributing to the creation of a global framework for social responsibility.

Collaboration with Environmental NGOs

In July 2006, Sony joined the Climate Savers Programme, which is a partnership between the World Wide Fund for Nature (WWF), a leading environmental protection NGO, and various companies in the drive to reduce greenhouse gas emissions.



Through the Climate Savers Programme, leading corporations partner with the WWF to establish targets for reducing absolute emissions of CO₂ and other greenhouse gases. Progress toward these targets is monitored by an independent body. As of April 2016, 22 corporations worldwide had signed on as Climate Savers Programme partners.

As a member of the programme, Sony committed to achieving a 7% reduction in emissions of greenhouse gases from all of its sites compared to the fiscal 2000 level by the end of fiscal 2010, as well as to lowering energy consumption by its products and working with the WWF to communicate with customers.

In November 2009, Sony announced a new set of climate change-related targets for fiscal 2011 and beyond. These are to (a) achieve an absolute reduction in greenhouse gas emissions-measured in CO2 emissions-from Sony Group sites of 30% compared to the fiscal 2000 level by the end of fiscal 2015; and (b) achieve a reduction in power consumption per product of 30% from the

fiscal 2008 level by the end of fiscal 2015. These targets were reviewed and approved by the WWF as revised targets for Sony under the Climate Savers Programme.

Learn more about the Green Management 2020 mid-term environmental targets

In February 2008, Sony and the WWF co-hosted the Climate Savers Tokyo Summit 2008, which was held at Sony's Tokyo headquarters and attended by representatives of current and prospective programme participants. The highlight of the event was the announcement by then Sony Chairman and CEO Howard Stringer of the Tokyo Declaration, signed by 12 Climate Savers Programme participants. On behalf of the signatory companies, Mr. Stringer declared support for the Intergovernmental Panel on Climate Change (IPCC) and its conclusion that global greenhouse gas emissions must peak and begin to drop in the next 10-15 years, to well below half the level recorded in 2000, by the middle of the 21st century. He further declared that the signatory companies will take further action to build a low-carbon society, including trying to widen the scope of emissions reduction activities through greater cooperation with business partners and promoting low-carbon lifestyles to consumers and customers.

Participation in the Development of a Global Framework

Sony undertakes a wide range of activities with the aim of promoting CSR initiatives. One example was its role as a member of the working group on the formulation of the ISO 26000 international guidance standard on social responsibility, published in November 2010, on which Sony submitted reports in Japan. Sony participated in the multi-stakeholder planning and revision process for the Global Reporting Initiative's (GRI's) *GRI Sustainability Reporting Guidelines*.



Participation in CSR-Related Organizations and Projects

Sony is a member of numerous global CSR organizations, including BSR and the Council for Better Corporate Citizenship (CBCC). The CBCC was originally established in 1989 as The Council for Better Investment in the United States,* under an initiative of Nippon Keidanren (Japan Business Federation), with the purpose of promoting good relations between Japan-affiliated companies and various stakeholders, including local communities and employees, by encouraging good corporate citizenship. Sony's founder, Akio Morita, served as the organization's first chairman. Sony intends to continue its active involvement in the CBCC going forward.

* The Council for Better Investment in the United States was authorized as a public interest incorporated association and its name changed to CBCC in June 2010.



As a member of the Electronic Industry Citizenship Coalition (EICC), an alliance of companies dedicated to CSR in the electronics industry, Sony works to ensure responsible sourcing throughout the supply chain, encompassing consideration for human rights, maintenance of sound labor practices, and conservation of the environment.

Responsible Supply Chain



In addition, Sony is promoting diversity through its involvement in external organizations in countries and regions around the world.

Collaboration with External Organizations Promoting Diversity





Sony continuously strives to strengthen its corporate governance system, recognizing that sound corporate governance is extremely important in operating Sony effectively, efficiently, and in a way that increases corporate value over the mid- to long-term. Sony approaches its corporate governance through two basic precepts:

(a) The Board of Directors, a majority of which is comprised of independent outside Directors, focuses on effective oversight of management's operation of the business, including through the activities of the Nominating, Audit and Compensation Committees, and maintaining a sound and transparent governance framework.
(b) The Board determines the fundamental management policies of the Sony Group and other material matters and delegates to each of the Corporate Executive Officers decision-making authority to conduct the business operations of the Sony Group broadly in line with their

respective responsibilities, as defined by the Board, with a view to

promoting timely and efficient decision-making within the Sony Group.

In furtherance of these efforts, Sony has adopted the "Company with Three Committees" corporate governance system under the Companies Act of Japan. Under such system, in addition to the requirements of applicable corporate governance laws and regulations, Sony has introduced its own requirements to help improve and maintain the soundness and transparency of its governance by strengthening the separation of the Directors' function from that of management;

maintaining what the company believes is an appropriate Board size, which enables the members of the Board to actively contribute to discussion; and advancing the proper functioning of the statutory committees.

Corporate Strategy, Business Strategy and other policies

Governance Framework	Governance Framework Home	The Board of Directors
	The Nomination Committee	The Audit Committee
	The Compensation Committee	Support for Activities of Directors, the Board of Directors and the Committees
	Evaluation of the Board and the Committees	Corporate Executive Officers and Corporate Executives

Internal Control and Governance Framework	Internal Control and Governance Framework Home	Financial Reporting Framework
	Disclosure Framework	Ethics and Compliance Framework
	Risk Management System Framework	Crisis Management System Framework
	Framework on Business Continuity Planning	Structure of audit by the Audit Committee, Internal Audit and Accounting Audit, and Status Thereof
Relationship with Shareholders and Other Stakeholders	Relationship with Shareholders and Other Stakeholders Home	Policy for Constructive Dialogue with Shareholders
	Administration of the General Shareholders Meeting	Shareholdings in Other Listed Companies
	Anti-Hostile-Takeover Measures	Related-Party Transactions
	Policy for Shareholder Returns	

Corporate Governance

Updated on September 7, 2016

Corporate Strategy, Business Strategy and Other Policies

The Board sets and determines the fundamental management policy, including the mid-term plan and annual business plan pursuant to the Charter of the Board by fully examining various the thinking of management led by the CEO, from multiple perspectives. Please refer to the pages below for Sony's mission, the Mid-Term Corporate Strategy for the Sony Group, the business strategy for each business segment, and the vision of Sony's founder:

About Sony

Corporate Strategy

Sony IR Day

Vision of Sony's Founder and Sony's basic policy for CSR

The Founding Prospectus

For details on sustainability or diversity, please refer to the pages below.

Sustainability

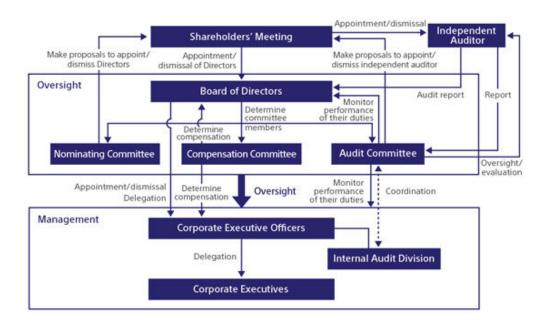
Diversity

Corporate Governance

Updated on September 7, 2016

Governance Framework

Sony Corporation is governed by its Board of Directors, which is elected at the annual shareholders' meeting. The Board has three committees (the Nominating Committee, Audit Committee and Compensation Committee), each consisting of Directors named by the Board. Corporate Executive Officers are appointed by resolution of the Board. In addition to these statutory bodies and positions, Sony has Corporate Executives who carry out business operations and corporate functions within designated areas. In line with its corporate strategy and in response to a changing environment, with an aim to maintain the most appropriate way to manage the Sony Group's business operation Sony continually works to enhance its governance functions.



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Directors and Corporate Executive Officers who were elected in June, 2016

Supervision Board of Directors

Kazuo Hirai

Dodia of Directors

Chairman of the Board: Osamu Nagayama*
Representative Director, Chairman and Chief

Executive Officer, Chugai Pharmaceutical Co., Ltd. Representative Corporate Executive Officer, President and CEO, Sony Corporation

Kenichiro Yoshida Representative Corporate Executive Officer, Executive Deputy President and CFO, Sony

Takaaki Nimura* Corporation
Certified Public Accountant

Eikoh Harada* Former Chairman, Director, McDonald's

Holdings Company (Japan), Ltd.

Joichi Ito*

Director, Massachusetts Institute of Technology

(MIT) Media Lab

Tim Schaaff Chief Product Officer, Intertrust Technologies

Corporation

Independent Startup Advisor

Former President, Sony Network Entertainment

International LLC

Kazuo Matsunaga* Vice Chairman of the Board,

Mitsubishi Fuso Truck & Bus Corporation Former Vice-Minister of Economy, Trade and

Industry

Koichi Miyata*
John V. Roos*

President, Sumitomo Mitsui Financial Group, Inc.
Former United States Ambassador to Japan
Founding Partner, Geodesic Capital

Chairman and CEO, Dow Corning Toray Co., Ltd.

Nominating Committee

Osamu Nagayama* (Chair) Koichi Miyata* John V. Roos* Kazuo Hirai **Audit Committee**

Takaaki Nimura* (Chair) Kazuo Matsunaga* Eriko Sakurai* Compensation Committee

Eikoh Harada* (Chair) John V. Roos* Kenichiro Yoshida

Eriko Sakurai*

Management

Corporate Executive Officers

Kazuo Hirai**	President and Chief Executive Officer	Michael Lynton	Executive Vice President
Kenichiro Yoshida**	Executive Deputy President and Chief Financial Officer		Officer in charge of Pictures and Music Businesses
Tomoyuki Suzuki	Executive Deputy President		CEO, Sony Entertainment Inc.
	Officer in charge of R&D Platform		Chairman & CEO, Sony Pictures Entertainment Inc.
	In charge of Energy Business and Storage Media Business		CEO, Sony Corporation of America
Shiro Kambe	Executive Vice President	Ichiro Takagi	Executive Vice President
	Officer in charge of Legal, Compliance, Corporate Communications,		Officer in charge of Home Entertainment & Sound Business
	CSR, External Relations and Information Security & Privacy		and Consumer AV Sales & Marketing
Masashi Imamura	Executive Vice President		Representative Director and President, Sony Visual Products Inc.
	Officer in charge of Manufacturing, Logistics, Procurement,		Representative Director and President, Sony Video & Sound Products Inc.
	Quality & Environment	Hiroki Totoki	Executive Vice President
	In charge of Engineering Platform		Officer in charge of Mobile Communications Business
Shigeki Ishizuka	Executive Vice President		In charge of New Business Platform (Strategy)
	Officer in charge of Imaging Products and Solutions Business		President & CEO, Sony Mobile Communications Inc.
	President of Digital Imaging Group		President and Representative Director, Sony
	President of Professional Solutions and Services Group		Network Communications Inc.
Andrew House	Executive Vice President	Kazushi Ambe	Executive Vice President
	Officer in charge of Game & Network Services Business	(Newly appointed)	Officer in charge of Human Resources and General
	President and Global CEO, Sony Interactive Entertainment LLC		Affairs

^{**} Representative Corporate Executive Officer concurrently serving as Director

(Name and positions of Directors and Corporate Executive Officers as of August 1, 2016)

^{*} An Outside Director who satisfies the requirements under Item 15, Article 2 of the Companies Act of Japan



Board of Directors, Sony Corporation

Sony explains to its stakeholders, including its shareholders, the reasons for, and background of, the nomination and/or appointment of each individual. Please refer to the pages below for releases and convocation notices in respect of individual appointments or nominations.

Recent news releases

Shareholder's meeting

Meeting record

During the fiscal year ended March 31, 2016, the Board of Directors convened eight times. The Nominating Committee met five times, the Audit Committee met six times and the Compensation Committee met five times. All nine outside Directors participated in all meetings of the Board of Directors held during their tenure period in the fiscal year ended March 31, 2016 except for Osamu Nagayama and Joichi Ito (Osamu Nagayama and Joichi Ito each participated in seven meetings out of eight). Also, all eight outside Directors who are members of Committees participated in all of the meetings of each Committee held during the fiscal year ended March 31, 2016 except for Osamu Nagayama (Osamu Nagayama who is the Chair of the Nominating Committee participated in four out of five meetings of the Nominating Committee).

Also, the Board conducted outside Directors' meetings, Directors' corporate strategic workshops with management, site visits by outside Directors and meetings of the Chairman of the Board and the CEO. These activities were aimed at enhancing the oversight function of the Board, securing better understanding by outside Directors of Sony's business and management's initiatives and encouraging corporate strategic discussions among Directors.

Corporate Governance

Updated on September 7, 2016

The Board of Directors

Primary roles of the Board of Directors

- Determines the fundamental management policies of the Sony Group
- Oversees the management of the Sony Group's business operations as an independent entity from the CEO and other Corporate Exective Officers
- Appoints and dismisses the statutory committee members
- Appoints and dismisses Representative Corporate Executive Officers and Corporate Executive Officers

Please refer to the page below for Sony's Board Charter, which details the processes and policies for reporting by the Corporate Executive Officers to the Board and matters requiring Board approval.

The Board Charter

Policy and procedure for the selection of Director candidates

With a view toward securing effective input and oversight by the Board, the Nominating Committee reviews and selects candidates for the Board with the aim of assuring that a substantial part of the Board is comprised of qualified outside Directors that satisfy the independence requirements established by Sony and by law.

The Nominating Committee selects candidates that it views as well-suited to be Directors in light of the Board's purpose of enhancing the corporate value of the Sony Group. The Nominating Committee broadly considers various relevant factors, including a candidate's capabilities (such as the candidate's experience, achievements, expertise and international fluency), availability, and independence, as well as diversity in the boardroom, the appropriate size of the Board, and the knowledge, experiences and talent needed for the role. Under the Board Charter, Sony also requires that the Board consist of not fewer than 10 Directors and not more than 20 Directors. In addition, since 2005 the majority of the members of the Board have been outside Directors. Current members are shown on the following page:

Governance Framework

Independence of the Directors

Sony expects that each outside Director plays an important role in securing proper business decisions by Sony and contributes to securing effective input and oversight by the Board through actively exchanging opinions and having discussions about Sony's business based on his/her various and broad experience, knowledge and expertise. The policy and procedure for the selection of Director candidates are stated as above. For reference, the current Board has 11 Directors, eight of whom are outside Directors. The Nominating Committee has four Directors, three of whom are outside Directors; the Compensation Committee has three Directors, two of whom are outside Directors; and the Audit Committee's three members are all outside Directors.

The qualification of the Directors and the limitation on re-election

The qualifications for Directors of Sony are generally as summarized below. All current Directors (as defined under the Companies Act of Japan) satisfy the qualifications of the Board Charter as set forth below, and all current outside

directors are qualified and designated as Independent Directors under the Securities Listing Regulations of the Tokyo Stock Exchange.

Director qualifications

- Shall not be a director, a statutory auditor, a corporate executive officer, a
 general manager or other employees of any company in competition with the
 Sony Group in any of the Sony Group's principal businesses (a "Competing
 Company") or own 3% or more of the shares of any Competing Company.
- Shall not be or have been a representative partner or partner of any independent auditor of the Sony Group during the past three years before being nominated as a Director.
- Shall not have any connection with any matter that may cause a material conflict of interest in performing the duties of a Director.

Additional qualifications for the outside Directors

- Shall not have received directly from the Sony Group, during any consecutive twelve-month period within the last three years, more than an amount equivalent to U.S. \$120,000, other than Director and committee fees and pension or other forms of deferred compensation for prior service (provided such compensation is not contingent in any way on continued service).
- Shall not be a director, a statutory auditor, corporate executive officer, general manager or other employees of any company whose aggregate amount of transactions with the Sony Group, in any of the last three fiscal years, exceeds the greater of an amount equivalent to U.S. \$1,000,000, or two percent of the annual consolidated sales of such company.

Also, each outside Director may, by resolution of the Nominating Committee, be nominated as a Director candidate for re-election five times, and thereafter by resolution of the Nominating Committee and by consent of all of the Directors. Even with consent of all of the Directors, in no event may any outside Director be re-elected more than eight times.

Updated on September 7, 2016

The Nomination Committee

Primary roles of the Nominating Committee

- Determines the content of proposals regarding the appointment/dismissal of Directors
- Evaluates management succession plans

The Nominating Committee determines the content of proposals regarding the appointment/dismissal of Directors pursuant to our policy for the selection of Director candidates and Director qualification. Please refer to the page below for more details.

The Board of Directors

Policy for the composition of the Nominating Committee

The Nominating Committee shall consist of at least three Directors, the majority of whom shall be Outside Directors. At least one Director of the Nominating Committee shall be a Corporate Executive Officer and the chair is to be selected from among the outside Directors In determining whether to appoint or remove a Nominating Committee Member, continuity of the Nominating Committee shall be duly taken into account. For a list of the latest members of the Nominating Committee, please refer to the page below.

Governance Framework

Updated on September 7, 2016

The Audit Committee

Primary Role of the Audit Committee

- Monitors the performance of duties by Directors and Corporate Executive
 Officers
- Oversees and evaluates the independent auditor

Composition of the Audit Committee

The Audit Committee shall consist of at least three Directors, the majority of whom shall be outside Directors, and is subject also to the paragraph below And the chair is be selected among the outside Directors. In determining whether to appoint or remove a member of the Audit Committee ("Audit Committee Member"), continuity of the Audit Committee shall be duly taken into account. No Audit Committee Member shall become, as a general rule, a member of the Nominating Committee or the Compensation Committee.

Each Audit Committee Member shall satisfy all of the following qualifications:

- 1. Shall not be a Director engaged in the business operation, a Corporate Executive Officer, an accounting counselor, a general manager or other employees of the Company or its subsidiaries.
- 2. Shall meet the independence requirements or such other equivalent requirements of the U.S. securities laws and regulations as may from time to time be applicable to the Company.

Moreover, at least one Audit Committee Member shall meet the audit committee financial expert requirements or such other equivalent requirements of the U.S. securities laws and regulations as may from time to time be applicable to the Company. The Board of Directors shall make a determination on whether or not such Audit Committee Members meet these requirements. For a list of the latest Audit Committee Member, please refer to the page below.

Governance Framework

The policy for appropriate selection of independent auditor candidates and proper evaluation of external auditors

With respect to the candidates for independent auditor nominated by the CEO and other Corporate Executive Officers, the Audit Committee evaluates the nomination, prior to making a decision on the candidates. The Audit Committee continues to evaluate the performance, the independence the qualification and the reasonableness of the independent auditor so appointed.

For more details on activities of the Audit Committee, please refer to the page below.

Structure of audit by the Audit Committee, internal audit and accounting audit, and status thereof

Systems to ensure effective audit by the Audit Committee

In addition to the usual monitoring activities by each Audit Committee Member or Audit Committee supporting personnel who assist the execution by the Audit Committee of its duties (the Audit Committee Aide), the Audit Committee works with the internal control department and each division responsible for the internal control of the Sony Group. These departments periodically provide reports to the Audit Committee Members, either at Audit Committee meetings or other meetings, and also provide reports on the status or result of investigations at the Audit Committee's request.

Updated on September 7, 2016

The Compensation Committee

Primary role

- Sets policy on the contents of individual compensation for Directors, Corporate Executive Officers, Corporate Executives
- Determines the amount and content of individual compensation of Directors and Corporate Executive Officers in accordance with the policy

Composition of the Compensation Committee

The Compensation Committee shall consist of at least three Directors, the majority of whom shall be outside Directors and, as a general rule, at least one Director of the Compensation Committee shall be a Corporate Executive Officer and the chair is to be selected from among the outside Directors; provided, however, that a Director who is a CEO (Chief Executive Officer) or a COO (Chief Operating Officer) of the Sony Group or at any equivalent position shall not be a member of the Compensation Committee (a "Compensation Committee Member"). In determining whether to appoint or remove a Compensation Committee Member, continuity of the Compensation Committee shall be duly taken into account. For a list of the latest members of the Compensation Committee, please refer to the page below.

Governance Framework

Basic policy for director remuneration

Taking into account that the primary duty of the Directors is to oversee the performance of business operations of the Sony Group as a whole, as well as setting the fundamental management policies of the Sony Group and other material matters, and the fact that Sony Corporation is a global company, in order to improve the functioning of the Directors, the following two elements constitute the basic policy for the determination of the remuneration of Directors:

- attracting and retaining an adequate talent pool of Directors possessing the requisite abilities to excel in the global marketplace; and
- ensuring the effectiveness of the functions of the Directors.

Based upon the above, the remuneration of Directors consists of the following two components:

- fixed remuneration; and
- a phantom restricted stock plan.*

The amount of each component is determined by the Compensation Committee in accordance with the basic policy above. Remuneration of Directors is set at an appropriate level based on research by a third party regarding remuneration of Directors of both domestic and foreign companies. No Director remuneration is paid to those Directors who concurrently serve as Corporate Executive Officers.

Basic policy for Corporate Executive Officer remuneration

Taking into account that Corporate Executive Officers are key members of management responsible for executing the business operations of Sony, in order to further improve the business results of Sony Corporation, the following two elements constitute the basic policy for determining the remuneration of Corporate Executive Officers:

attracting and retaining an adequate talent pool of Corporate Executive Officers
 who possess the requisite abilities to excel in the global marketplace; and

 providing effective incentives to improve business results on a short, medium and long-term basis, reflecting the appropriate balance of priorities among each time period.

Based upon the above, remuneration of Corporate Executive Officers is consists of the following four components:

- fixed remuneration;
- remuneration linked to business results;
- remuneration linked to share price; and
- a phantom restricted stock plan.*

The amount of each component and its percentage of total remuneration are determined in accordance with the above basic policy with an emphasis on linking remuneration to business results and shareholder value. Remuneration of Corporate Executive Officers is set at an appropriate level determined based on research by a third party regarding remuneration of senior management of both domestic and foreign companies, as well as his/her responsibilities. Specifically, the amount of remuneration linked to business results is determined based upon the consolidated business results of Sony Corporation, such as operating income, and the level of achievement in respect of the business area(s) for which the relevant Corporate Executive Officer is responsible, and the amount paid to Corporate Executive Officers fluctuates from 0 % to 200 %, in principle, of the base fixed remuneration amount.

* Phantom Restricted Stock Plan:

Points, the number of which is fixed every year by the Compensation Committee, are granted to Corporate Executive Officers and Directors every year during his/her tenure, and at the time of resignation, the remuneration amount is calculated by multiplying Sony Corporation's common stock price by the Corporate Executive Officer's or Director's accumulated points. A resigning Corporate Executive Officer or Director must purchase Sony Corporation's common stock with the remuneration received.

Updated on September 7, 2016

Support for Activities of Directors, the Board of Directors and the Committees

Sony supports effective oversight by the Board of management's operation of Sony's business as follows.

Outside Director initiative

The Chairman of the Board is elected from among those Directors other than the Representative Corporate Executive Officer. The Chairman of the Board leads the Board's activities and secures the appropriate cooperation, communication and arrangement among outside Directors and the Corporate Executive Officers. For example, outside directors' meetings are held in order to exchange and share information and knowledge among outside Directors.

Secretariat offices for the Board and each Committee

The Company sets the secretariat offices of the Board and each committee to support the activities of the Board members and encourage constructive and proactive discussion at the Board. The Board secretariat endeavors to distribute materials for Board meetings and Committee meetings sufficiently in advance of each meeting date and to provide other information, as appropriate. The Board secretariat office also shares the annual schedule of Board meetings and anticipated agenda items in advance with the Board members, in order to set the number of agenda items and the frequency of Board meeting appropriately.

The Audit Committee Aide

With the approval of the Board and with Audio Committee's consensus, the Company sets the Audit Committee Aide to support the activities of the Audit Committee Members with the approval of the Board and with the Audit

Committee's consensus. The Audit Committee Aide does not concurrently hold positions related to the business operations of Sony Group and, upon instruction by the Audit Committee members, conducts investigations and analysis on auditing matters and engages in physical inspections or visiting audits (either by him/herself or by cooperating with relevant departments) in order to support the Audit Committee.

Delivery of the necessary information

When Directors, including outside Directors and Audit Committee Members, request the Company to provide additional information, the secretariat offices of the Board and other committees endeavors to provide such information promptly. Also, the secretariats of the Board and other committees verify appropriately whether information requested by Directors and the Audit Committee members is provided smoothly.

Directors and the Audit Committee members consult with external specialists, if appropriate. The costs and expenses in connection with the Board or each committee's activities are borne by the company in accordance with applicable internal rules.

Policy for training Directors

Newly appointed Directors receive briefings by Corporate Executive Officers and outside experts in connection with their expected roles and responsibilities, including legal duties, as a Director or a member of a Committee and in addition, newly appointed outside Directors receive briefings about the business, financial status, organization and governance structure of the Sony Group. Also, throughout their tenure, each Director receives compliance-related training in accordance with internal protocols and briefings from Corporate Executive Officers in charge of, or outside experts on, matters relevant to each Director's fulfillment of his/her roles and responsibilities.

Updated on September 7, 2016

Evaluation of the Board and the Committees

Policy for the Board and Committee Effectiveness Evaluation

Sony believes that it is important to endeavor to improve the effectiveness of the Board and each Committee in order to support Sony's business operations and enhance the corporate value of the Sony Group. To achieve this goal, Sony conducts evaluations of the effectiveness of the Board and of each Committee (the "Board and Committee Effectiveness Evaluation") at least annually.

Procedures for the Board and Committee Effectiveness **Evaluation**

Led by the Board Chairman, the Board, which consists of Directors elected at the annual shareholders' meeting in June 2015, took the following steps in implementing the Board and Committee Effectiveness Evaluation:

- Evaluated the current status and practices of the Board and each Committee such as the composition of the Board, operation of the Board, the commitments of each Director and activities of each Committee, by gathering responses to a questionnaire from each Director.
- Further evaluated the status and practices of the Board and each Committee through interviews with the Chairman of the Board, the Chair of each Committee, the Chief Executive Officer and certain additional Directors.

- Analyzed the results of these evaluations, with the assistance of outside counsel with expertise in Japanese and global corporate governance practices, led by the Board Chairman.
- Presented the results at a Board meeting and discussed and decided on appropriate follow-up actions based on those results.

Summary of the results of the Board and Committee Effectiveness Evaluation

As a result of the Board and Committee Effectiveness Evaluation, the Board affirmed that the Board and each Committee were functioning effectively, as of October 2015. During the evaluation process, some Directors gave constructive comments and opinions on the composition of the Board; frequency of, and agendas at, Board meetings; and manner of, and means for, the Board's and/or each Committee's review of Sony's mid- to long- term strategies and oversight of the Sony Group's risk management.

Future actions

Sony will aim to use the results of the Board and Committee Effectiveness Evaluation, as well as various comments and opinions given by Directors during the evaluation process, to continue to improve the effectiveness of the Board and each Committee.

Updated on September 7, 2016

Corporate Executive Officers and Corporate Executives

Primary role

CEO and other Corporate Executive Officers:

Make decisions regarding the execution of the Sony Group's business activities within the scope of the authority delegated to them by the Board of Directors

Corporate Executives:

Carry out business operations within designated areas, including business units, headquarters functions, and/or research and development, in accordance with the fundamental policies determined by the Board of Directors and the Corporate Executive Officers

Policy and procedure for election of Corporate Executive Officer candidates

The appointment and dismissal of Corporate Executive Officers and the assignment of roles and responsibilities for Corporate Executive Officers are made by the Board. In making these decisions, the Board, especially outside Directors, considers whether candidates have the necessary skills, capabilities, experiences and achievements that correspond to the Corporate Executive Officers' expected roles and responsibilities in executing relevant business operations. For a list of the latest Corporate Executive Officers, please refer to the page below.

Governance Framework

The delegation of authority to the Corporate Executive Officers

The Board determines the fundamental management policies and other material matters related to the operation of Sony's business. The Board assigns the duties of Corporate Executive Officers by determining the areas over which each Corporate Executive Officer is in charge and delegating its decision-making authority to the Corporate Executive Officer accordingly, with a view to promoting timely and efficient decision-making within the Sony Group. Please refer to the page below for Sony's Board Charter, which details the processes and policies for reporting by the Corporate Executive Officers to the Board and matters requiring Board approval.

The Board Charter

For the Next Generation

Updated on September 7, 2016

Internal Control and Governance Framework

At a Board meeting held on April 26, 2006, the Board of Directors reaffirmed the internal control and governance framework in effect as of the date of determination and resolved to continue to evaluate and improve such framework going forward, as appropriate. At Board meetings held on May 13, 2009 and April 30, 2015, the Board of Directors amended and updated the internal control and governance framework and resolved to continue to evaluate and improve such framework going forward, as appropriate. These determinations were required by and met the requirements of the Companies Act of Japan.

Board of Directors' Determination Regarding Internal Control and Governance Framework Pursuant to the Japanese Companies Act

For more details of systems established and maintained based on the above determination, please refer to each pages below.

Financial Reporting Framework

Disclosure Framework

Ethics and Compliance Framework

Risk Management System Framework

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Crisis Management System Framework

Framework on Business Continuity
Planning

Structure of audit by the Audit
Committee, Internal Audit and
Accounting Audit, and Status Thereof

Updated on September 7, 2016

Financial Reporting Framework

Sony's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles in the United States of America.

Sony formed a cross-functional steering committee comprised of management in charge of the principal Sony Group headquarters functions to monitor necessary actions including documentation, testing and evaluation of controls and to perform oversight and assessment of the global evaluation. Based on the company's evaluation, management has concluded that Sony maintained effective internal control over financial reporting as of March 31, 2016.

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Updated on September 7, 2016

Disclosure Framework

The shares of Sony Corporation, the ultimate parent of all Sony Group companies, are listed for trading on exchanges in Japan and the U.S. As a result, the Sony Group is obligated to make various disclosures to the public in accordance with applicable securities laws and regulations in those countries. The Sony Group is committed to full compliance with all requirements applicable to its public disclosures. Sony's policy on investor relations activities is to aim to disclose accurate information in a timely and fair manner, as well as to endeavor to promote constructive dialogue with shareholders and investors, with a view to maximizing Sony's corporate value by building a relationship of trust with shareholders and investors. The Sony Group has in place disclosure controls and procedures in support of this policy. All personnel responsible for the preparation of submissions to and filings with the Tokyo Stock Exchange, the U.S. Securities and Exchange Commission and other regulatory entities, or for other public communication made on behalf of the Sony Group, or who provide information as part of that process, have a responsibility to ensure that such disclosures and information are full, fair, accurate, timely and understandable, and in compliance with the established disclosure controls and procedures.

Sony has established "Disclosure Controls and Procedures," outlining the process through which potentially material information is reported from important business units, subsidiaries, affiliated companies and corporate divisions and is reviewed and considered for disclosure in light of its materiality to the Sony Group. The "Disclosure Committee," comprised of officers and senior management of the Sony Group including those who oversee investor relations, accounting, corporate planning, legal, corporate communications, finance, internal audit, human resources and group risk, supervises the preparation of Sony's annual reports,



current reports, quarterly earnings releases and other material disclosure, and assists the management in the establishment and implementation of the Disclosure Controls and Procedures and also in undertaking appropriate and timely disclosure.

Updated on September 7, 2016

Risk Management System Framework

Each Sony Group business unit, affiliated company and corporate division is expected to review and assess business risks on a regular basis and to detect, communicate, evaluate and respond to risks in its particular business area. In addition, Sony Corporation's Corporate Executive Officers have the authority and responsibility to establish and maintain systems for identifying and controlling risks that have the potential to cause losses or reputational damage to the Sony Group in the areas for which they are responsible. A corporate executive officer in charge of group-wide risk works together with relevant departments to enhance their management systems. Meanwhile, the Group Risk Office of Sony Corporation is responsible for promoting Group-level risk management initiatives, including the enhancement of business continuity plans (BCPs).

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Corporate Governance

Updated on September 7, 2016

Crisis Management System Framework

One aspect of risk management is the proper handling of crises if and when they arise, and the proper preparation for such crises. Sony's crisis management and business continuity activities predominately occur at the business and operational level closest to the events the Company may encounter. Since some events can have a significant impact on the entire Sony Group as a whole, Sony has established a Group crisis management procedure to enable a swift and organized Group-wide response to crises as needed.

For the Next Generation

Updated on September 7, 2016

Framework on Business Continuity Planning

Sony places significant emphasis on the development and maintenance of business continuity plans (BCPs), which include disaster prevention and mitigation, with the objective of reducing the risk of its business being interrupted in the event of a natural disaster, accident or other such event. The BCPs function to try to ensure that critical business operations are not interrupted, even in the event of a disaster, as well as to facilitate the earliest possible recovery of operations, should interruption be unavoidable.

The electronics industry struggled to cope with the impact of the Great East Japan Earthquake and severe flooding in Thailand in fiscal 2012, and with the impact of the earthquakes in the Kumamoto region of Japan in 2016. Sony's employees and top management rallied together, capitalizing on their experiences in implementing measures to ensure business continuity, and succeeded in minimizing the impact of production disruptions.

Since 2012, Sony's headquarters and each of the Sony Group's business units and subsidiaries have been conducting ongoing reviews of their respective BCPs. They are working to update and improve plans by identifying, analyzing, and evaluating risks based on new criteria. Recognizing the implementation of effective BCPs as a crucial management responsibility, Sony will also continue to capitalize on its experience in coping with major disasters and to implement effective measures such as enhancement of risk management across its group-wide supply chain.

Updated on September 7, 2016

Structure of audit by the Audit Committee, Internal Audit and Accounting Audit, and Status Thereof

Audit structure and status of the Audit Committee

The Audit Committee conducted the audit of the performance of duties by Directors and Corporate Executive Officers pursuant to laws and regulations, and the Audit Committee Rule established by the Board, through deliberation at Audit Committee meetings (held six times during the fiscal year 2015, ending March 31, 2016), activities of members of the Audit Committee (for example. attending the Compensation Committee or Nominating Committee meetings or, reviewing reports relating to the execution of duties by the Corporate Executive Officers, employees of Sony or Directors, company auditors and employees of major subsidiaries of Sony etc.) and activities of the Audit Committee supporting personnel (i.e., the Audit Committee Aide). The Audit Committee also assesses the eligibility and the independence of the independent auditor and the adequacy of the audit by receiving the notice that the independent auditor provides regarding maintenance of systems to ensure the execution of its duties under the Quality Control Standard for Audit etc., pre-confirming the ait plan at the beginning of each fiscal year, pre-approving auditor compensation, and reviewing the report of the procedures, and the result of the audit, for the last fiscal year and interim periods including review of quarterly financial reports and evaluating their content, etc.

Internal audit structure and status

Sony Corporation established a department in charge of internal audit, the Risk & Control department which coordinates closely with the internal audit departments of major subsidiaries around the world, and the Sony Group Internal Audit Charter, and endeavors to maintain and enhance the internal audit structure of the Sony Group in order to promote the Sony Group's internal audit activities on a global basis. The Risk & Control department and each internal audit department of major subsidiaries ("Internal Audit Department") play an important function in maintining the Sony Group's governance in order to strengthen the Sony Group's management structure, promote efficiency of management, and maintain and avoid any loss of material assets, including Sony's brand image, by evaluating the effectiveness of the internal control system and risk management structure through independent and objective audit. The Risk & Control department and each Internal Audit Department conducts the internal audit of each department or subsidiary it supervises, guided by an the annual audit plan that is established based on the risk assessments conducted in the beginning of each fiscal year and any matters proposed by Sony's management or the Audit Committee. Each internal audit is conducted under a planned audit procedure. Afterward, each Internal Audit Department follows up until the completion of any improvement plan based on the audit result. In order to ensure its independence, fairness and objectiveness, the appointment and dismissal of the person in charge of the internal audit at the Risk & Control department is subject to the prior approval of the Audit Committee. The appointment and dismissal of the person in charge of each Internal Audit Department requires the prior approval of the person in charge of Risk & Control department. The Internal Audit Departments of major subsidiaries are required to provide the Risk & Control department with a report on the material items and a copy of the issued audit report, and the Risk & Control department makes periodic presentations to the Audit Committee, the CFO, and the Corporate Executive Officer in charge of Internal Audit on these reports. The Risk & Control department also makes periodic reports to the independent auditor on the status of the internal audit activities and the result of the audit. The audit report issued by the independent auditor is used for the planning of the internal audit and conducting internal audit.

Accounting audit status

Sony's accounting audit is conducted by PricewaterhouseCoopers Aarata under the au agreement. The certified public accountants who conducted the accounting audit of Sony for the fiscal year 2015, ending March 31, 2016, are as follows:

Koichiro Kimura, Kentaro Iwao and Takaaki Ino

The support staff of PricewaterhouseCoopers Aarata relating to Sony's accounting audit is composed of 89 certified public accountants, 84 assistant certified public accountants and 102 other staff members.

For the Next Generation Copyright 2016 Sony Corporation

Updated on September 7, 2016

Relationship with Shareholders and Other Stakeholders

The Sony Group's core corporate responsibility to society is to strive to enhance its corporate value through innovation and sound business practice. The Sony Group recognizes that its business activities have direct and indirect impact on the societies in which Sony operates, and therefore sound business practice requires that Sony's business decisions give due consideration to the interests of Sony's stakeholders including shareholders, customers, employees, suppliers, business partners, local communities and other organizations. Personnel must endeavor to conduct the business of the Sony Group accordingly.

For the Letter to Stakeholders from the CEO, the Policy for Constructive Dialogue with Shareholders and other activity to secure shareholders' rights, please refer to the pages below.

Letter to Stakeholders from the CEO

Policy for Constructive Dialogue with Shareholders

Administration of the General Shareholders Meeting

Policy for Shareholder Returns

Updated on September 7, 2016

Policy for Constructive Dialogue with Shareholders

Sony's policy on investor relations activities is to aim to disclose accurate information in a timely and fair manner, as well as to endeavor to promote constructive dialogue with shareholders and investors, with a view to maximizing Sony's corporate value by building a relationship of trust with shareholders and investors. The Board delegates IR duties to the Chief Financial Officer (the "CFO"), who in turn oversees the IR department. Under the CFO's supervision, the IR department focuses on promoting constructive dialogue with Sony's shareholders and investors. As a part of this task, the IR department considers and implements measures to enhance dialogue with shareholders and investors other than by way of holding one-on-one meetings, such as through investor meetings, corporate strategy meetings and "IR Days", and coordinates internally to assist the dialogue with Sony's shareholders and investors while also providing feedback from such dialogue to the Corporate Executive Officers and the Board.

Also, when holding dialogues with shareholders and investors, no inside information is to be disclosed. The IR department reviews the information to be disclosed in advance with other relevant departments and outside experts, as deemed appropriate.

Please refer to the page below, for the details on "Disclosure Controls and Procedures" and our IR activities

Disclosure Framework

Investor Relations

Updated on September 7, 2016

Administration of the General Shareholders Meeting

Sony's policy for the general shareholders meeting is as follows.

Basic policy for the general shareholder meeting

Sony endeavors to develop an environment where each shareholder could participate based on the following two points as basic policy for the general shareholder meeting.

- Take necessary measures to encourage the shareholders who find it difficult to attend the shareholders' meeting to vote
- Encourage direct communications between the shareholders who attend the shareholders' meeting and Sony's executives.

Sony sets the date of the general shareholder meeting appropriately and prepares webcasting for the shareholders who cannot attend the shareholders' meeting by cooperating with relevant departments. Further, Sony provides the voting results gathered before the shareholders' meeting date on the screen of the meeting hall during the voting.

Activities to secure the rights of shareholders

Sony develops an environment in which shareholders can exercise their rights appropriately and effectively, secures equal treatment of shareholders, including institutional investors who hold shares in a street name and considers concerns of minority shareholders and foreign shareholders adequately, by confirming shareholder composition, quarterly. As a part of these activities, Sony prepares the convocation notice considering the accuracy of the information provided there and the readability to facilitate voting judgment by shareholders, both in Japanese and English. Sony strives to send the convocation notice for the general shareholder meeting early enough to give shareholders sufficient time to consider the agenda and posts it at its website. Sony also uses an electronic voting platform to allow electronic voting through the internet via PC, smartphone or mobile phone. For more information of the general shareholder meeting, please refer to the page below.

Shareholders' meeting

Review of voting results

The voting results for each agenda item of the general shareholder meeting and its analysis are reported to and reviewed by the Board. The IR department then takes any appropriate follow-up measures, such as a dialogue with shareholders.

For other activities to secure shareholder's rights, please refer to the pages below.

Shareholdings in Other Listed Companies

Anti-Hostile-Takeover Measures

Related-Party Transactions

Updated on September 7, 2016

Shareholdings in Other Listed Companies

Sony Corporation and its subsidiaries may hold shares of other listed companies for the purpose of expanding Sony's business portfolio, promoting certain businesses within Sony and enhancing Sony's relationships with those companies. Sony's policy regarding shareholdings of listed companies, except for Sony's subsidiaries, and voting their shares is as follows:

Policy regarding shareholdings of listed companies

Sony makes the decision to hold shares of another listed company only if the shareholding furthers Sony's business purposes and has sufficient economic rationale, and only after duly conducting an appropriate examination of the investment.

Sony also periodically evaluates its existing shareholdings in listed companies by reviewing the importance of Sony's business relationships with each company, including the progress of, and outlook for, any anticipated business collaboration by Sony with the company, and any anticipated positive impact of Sony's shareholdings on Sony's business relationship with the company, as well as the company's financial position. The results of this evaluation about the major shareholdings are reported to the Board of Directors of Sony Corporation (the "Board"), as appropriate.

Policy for exercising voting rights

Sony believes that it is important to enhance the corporate value of the listed companies whose shares Sony holds, and Sony's corporate value in turn, through the exercise of its voting rights. Accordingly, Sony assesses proposals and the purpose and economic rationale of the shareholdings and aims to exercise its voting rights with a view to increasing each company's mid- to long-term corporate value.

Updated on September 7, 2016

Anti-Hostile-Takeover Measures

Sony has not adopted any anti-hostile takeover measures. Sony will fully examine the necessity and rationale with respect to the adoption or implementation of anti-hostile takeover measures with the Board and/or the Audit Committee and provide sufficient explanation to shareholders.

Updated on September 7, 2016

Related-Party Transactions

As a part of the Sony Group Code of Conduct established by the Board, Sony's personnel are required to avoid any action that may involve, or appear to involve, a conflict of interest with the Sony Group. To help ensure compliance with these requirements, Sony regularly reviews the status of related-party transactions, whether financial or otherwise, between Sony Group companies and officers in the Sony Group or their close relatives. Furthermore, Sony requires Directors and officers of Sony Corporation to obtain approval of the Board in connection with transactions between Sony Corporation and the Director or officer in accordance with applicable laws and regulations, the Board Charter and any other applicable internal rules. The Board is expected to approve any such related-party transactions only after appropriate examination of the size and nature of the transaction, and the requirements of applicable laws and regulations, the Board Charter and any other applicable internal rules, and concluding that the interests of Sony and its shareholders are not adversely affected.

Updated on September 7, 2016

Policy for Shareholder Returns

Sony believes that continuously increasing corporate value and providing dividends are essential to rewarding shareholders. It is Sony's policy to utilize retained earnings, after ensuring the perpetuation of stable dividends, to carry out various investments that contribute to an increase in corporate value, such as those that ensure future growth and strengthen competitiveness. Going forward, Sony will determine the amount of dividends based on an overall consideration of its consolidated operating results, financial condition and future business expectations.





Management Approach

Our Approach

Sony has a strong and well-established commitment to ethical business conduct and compliance with applicable laws and regulations. Senior management sets the core values for the company, the expectations for ethical business conduct, and leads by example. The Sony Group Code of Conduct anchors our ethics and compliance program. Our Code sets out our standards for ethical conduct, our core values and our basic policies on important topics such as compliance with laws and regulations, fair competition in business dealings, anti-corruption, protection of confidential information and intellectual property, respect for human rights, safety of products and services, environmental conservation, and information disclosure. Sony has many resources and reporting channels available to its personnel to ask ethics questions or raise concerns without fear of retaliation, including the Sony Ethics & Compliance Hotline. The Hotline operates independently of ordinary internal reporting structures. Reports to the Hotline are administered by an independent third party with specially trained operators.

Global Compliance Network

Sony has established a Global Compliance Network comprised of ethics and compliance personnel embedded in the local business units around the world who are accountable for risk-specific compliance while also implementing enterprise-wide compliance initiatives. These personnel implement Sony's commitment to ethics and compliance through a mix of messaging, policies,

training and monitoring. Ethics and compliance functions work collaboratively with other functions to ensure more visibility for major risks and, by extension, their own activities.

Looking to the Future

We continue to promote our corporate culture to help ensure that our personnel conduct our business activities ethically. Senior management will continue to allocate resources and set priorities to promote our compliance activities and will continue to send clear messages of the importance of business ethics and compliance. We will continue to enhance our group-wide compliance activities, including additional training to management on the importance of ethical business conduct and the proper way to handle employee reports of misconduct. We will also continue to promote awareness of the Sony Ethics & Compliance Hotline and continue to promote and enforce our policy against retaliation.

Sony Group Ethics and Compliance System

Sony Group Code of Conduct

Reporting Ethical Concerns

Conducting Business with Integrity and Fairness

Ethics and Compliance Communication and Training

Compliance Monitoring Program

Information Security and Privacy

Respect for Human Rights

/2

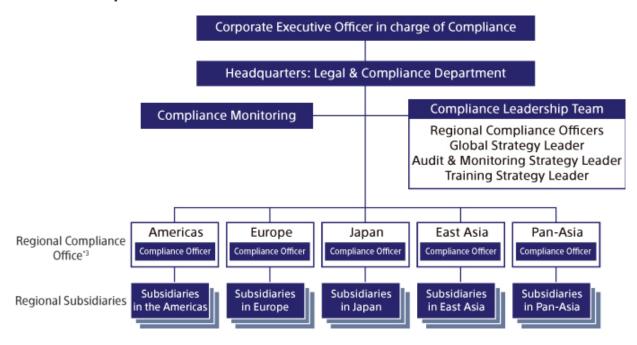
Updated on September 7, 2016

Sony Group Ethics and Compliance System

The Sony Group's Global Compliance Network, which is responsible for active development and implementation of a group-wide compliance program, is comprised of a compliance department at the corporate headquarters, regional compliance networks, a global compliance leadership team and a compliance monitoring team. The compliance department at our corporate headquarters (currently, the Legal & Compliance Department) establishes compliance policies and structures for all Sony Group companies. There is also a regional compliance office in each of the following regions: Americas, Europe, Japan, East Asia*1 and Pan-Asia*2. Regional Compliance Officers ("RCOs") and legal/compliance personnel from Sony Group companies in each of these regions are charged with implementation of Sony's global compliance programs as well as any additional risks relative to the operations of the specific regional business unit and/or local culture. RCOs have the authority to issue instructions concerning compliance activities in their respective regions and, by coordinating with one another, they help assure and maintain an effective global compliance program. The Compliance Leadership team assists the Legal & Compliance Department by identifying, developing and implementing best-practice compliance strategies and compliance-related measures, and the Compliance Monitoring team monitors and evaluates compliance program activities on an on-going basis. The Sony Corporation Audit Committee receives monthly reports of compliance program and Hotline activities, as well as periodic in-person updates.

- *1 Coverage area of East Asia compliance office: Mainland China, Hong Kong, Taiwan and South Korea
- *2 Coverage area of Pan-Asia compliance office: Southeast Asia, Middle East, Africa and Oceania

Global Compliance Network



*3 The Americas Office is responsible for Sony Corporation of America, the Sony Pictures Entertainment Group, and the Sony Music Entertainment Group, as well as the Electronics Group companies in the America's Region. The Europe, East Asia and Pan-Asia Offices are responsible for the Electronics Group companies in their respective regions. The Japan Office is responsible for Sony Corporation, the Sony Interactive Entertainment Group, and Sony Financial Holdings Group, in addition to the Electronics Group Companies in Japan.

For the Next Generation Copyright 2016 Sony Corporation

Updated on September 7, 2016

Sony Group Code of Conduct

The Sony Group Code of Conduct sets forth our core values and establishes standards of ethical business conduct to be observed by all directors, officers and employees of Sony Group. It also establishes our basic policies on such topics as compliance with laws and rules, fair competition in business dealings, anti-corruption, protection of confidential information and intellectual property, respect for human rights, safety of products and services, environmental conservation and information disclosure.

Sony Group Code of Conduct (PDF):

The principles set out in the Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises, the United Nations Global Compact and the United Nations Universal Declaration of Human Rights are reflected in the Sony Group Code of Conduct. Sony also participated in the formulation of and observes the standards outlined in the Charter of Corporate Behavior of Keidanren (Japan Business Federation), an alliance of Japan's leading corporations.

OECD Guidelines for Multinational Enterprises

United Nations Global Compact

United Nations Universal Declaration of Human Rights

Keidanren Charter of Corporate Behavior

Our Code of Conduct has been adopted and implemented by each Sony Group company and is the subject of frequent "tone from the top" messaging both from Sony Corporation top management and local management, as well as training. To date, the Code has been translated into 26 languages. Localized codes of conduct and specialized policies designed to address key risks further support the Sony Group Code of Conduct.

For the Next Generation Copyright 2016 Sony Corporation

Updated on September 7, 2016

Reporting Ethical Concerns

The company's group-wide ethics and compliance hotline system, the Sony Ethics & Compliance Hotline, is a confidential resource for employees to report concerns or seek guidance about possible violations of laws or internal policies, allowing Sony to respond swiftly to any potential violations.

The Hotline is available to all Sony Group personnel, worldwide, at all times, day or night, via the telephone (toll-free) or via the web. Reports to the Hotline are administered by an independent third party that provides specially trained operators with broad language capabilities. Anyone who reports issues in good faith is protected from retaliation for making the report.

Summaries of hotline reports, results of investigations and updates on the operation of the system are provided periodically to senior management and the Audit Committee.

During fiscal 2015, the Hotline received approximately 250 reports covering issues primarily relating to employment, labor, work environment, information management and possible conflicts of interest. More than 60% of the reports raised issues related to employment, labor and the work environment.

All reports received are promptly investigated for purposes of verification and appropriate action by Sony compliance personnel, who are supervised by the Corporate Executive in charge of Compliance. We take appropriate disciplinary and/or remedial action when warranted. Any confirmed violations of Sony policies and procedures result in corrective actions such as training, strengthening routines, disciplinary actions and simplifying or updating processes and controls.

Sony Group compliance hotline system



Updated on September 7, 2016

Conducting Business with Integrity and Fairness

Sony Group Antitrust/Competition Law Compliance Program

Antitrust and competition laws ("Antitrust Laws") are the foundation upon which a free and competitive market system is built. By guaranteeing free competition in markets, Antitrust Laws enable companies that provide superior products and services on the best terms to achieve ultimate success. Strict compliance with applicable Antitrust Laws is essential, and every individual officer and employee of Sony Group is required to observe all applicable Antitrust Laws in the course of his or her business activity. Sony has adopted the Sony Group Global Policy on Antitrust/Competition Law Compliance to help assure compliance with these Laws. This Policy provides personnel with a broad overview of Antitrust Laws as well as guidance for compliance.

Sony Group Anti-Bribery Program

Sony does not tolerate corrupt behavior under any circumstances. The company has adopted the Sony Group Anti-Bribery Policy, which builds on the anti-bribery and accurate record-keeping requirements in the our Code of Conduct, to help ensure that Sony Group personnel do not violate, or appear to violate, any applicable anti-corruption laws or regulations. This Policy reflects Sony's strong commitment to business ethics and, in particular, establishes procedures that must be followed to help ensure integrity in our dealings with government officials.

Basic Approach and Systems to Exclude Anti-Social Forces

Sony strongly opposes organized crime and other anti-social forces that threaten to disrupt the order and safety of our community. We will not have relationships with members of organized crime and/or other anti-social forces, and we will not give economic benefits to or accept illegal demands from them.

We maintain anti-money laundering policies, supplemented by anti-money laundering "Know Your Customer" procedures and training, to help ensure that we do not do business with inappropriate individuals or entities. These policies thereby also help assure that we do not do business with members of anti-social forces.

Related Legal Proceedings

Lawsuits and governmental investigations related to compliance with Antitrust Laws pending against Sony Group companies are disclosed in the security reports filed with the Tokyo Stock Exchange or the New York Stock Exchange, as applicable.

For the Next Generation

Updated on September 7, 2016

Ethics and Compliance Communication and Training

To help assure consistent global activity to support ethical conduct and compliance with laws and Sony Group policies, and promote the use of the Sony Ethics & Compliance Hotline, Sony established a Compliance Education Protocol that sets forth minimum mandatory global communications and training requirements.

In accordance with this protocol, Sony Group personnel are required to complete periodic comprehensive code of conduct training as well as periodic training on key risks. These risks include antitrust/competition laws, anti-bribery, and the prevention of discrimination and harassment in the workplace. Booklets, wallet cards, posters, online training and in-person training (modified for local laws and/or culture), are used to raise awareness of the Sony Group Code of Conduct, key risks and the Hotline. In addition, legal/compliance personnel provide specific guidance and training on key local risks that include real-life examples. Sony continually strives to adapt and improve its ethics and compliance training and communications in light of evolving risks and changes in the business environment and the business.

Sony Corporation's CEO and other members of its senior management also remind employees of the importance of ethical conduct and the need to report ethical concerns through ongoing communications. Through these varied communication and training efforts, Sony continues to promote an understanding of the importance of its core values and ethical business conduct as set forth in the Sony Group Code of Conduct.



In addition, Sony Group executives and senior management are required to submit an annual certification stating that they understand that all personnel must comply with applicable laws, regulations and internal policies (including the Code of Conduct) and the need, in their roles as managers, to communicate the importance of acting ethically and in compliance with applicable laws, regulations and internal policies.

Updated on September 7, 2016

Compliance Monitoring Program

A global Compliance Monitoring team helps to ensure adherence to the Code of Conduct, internal policies and other protocols, and relevant laws. The monitoring program relies on risk assessments, self-assessments, audits and reporting.

Sony Group companies worldwide periodically undertake mandatory compliance self-assessments, which involve self-inspection and detailed reporting of enumerated compliance-related activities, accompanied by supporting documentation submitted for review through an automated Governance Risk and Compliance (GRC) system. The Compliance Monitoring team evaluates the responses and supporting documentation provided and reports the results to senior headquarters management, who in turn reports the information to the Audit Committee. The Compliance Monitoring team also works with the Regional Compliance Officers to perform compliance audits, address reported issues, monitor any necessary remediation and perform investigations as necessary.

Updated on September 7, 2016

Information Security and Privacy

Like many companies, Sony faces an increasingly advanced threat environment in the area of information security. Third parties wishing to compromise the information of global companies continue to increase in number, capability, and persistence. To address this reality, Sony has established an Information Security and Privacy organization headed by a Chief Information Security Officer (CISO). Sony also has established global information security policies and standards, and global privacy policies, which set forth Sony's commitment to information security and privacy and define practices and procedures to be followed by Sony personnel. The CISO and his organization are charged with developing and overseeing the implementation of these policies and standards globally. This organization coordinates with individuals responsible for information security and privacy at Sony Group companies globally to create a Group-wide information security and personal information management system. Under the supervision of the CISO, Sony continuously reinforces internal rules and business processes to further strengthen the information security management framework of the Sony Group and contribute to the protection of personal information. Recognizing that employee awareness of information security and privacy is vital, Sony requires training programs for its employees to raise awareness and improve the overall level of information security and protection for individuals' privacy. The protection of Sony's sensitive information, in particular that which belongs to Sony's employees and customers, remains a global priority.

Sony Group Privacy Policy

Updated on September 7, 2016

Respect for Human Rights

Sony respects the human rights of all stakeholders in our business operations and supply chains. In response to the growing concern about the impact of increasing globalization on human rights, the United Nations (UN) Human Rights Council endorsed the UN Guiding Principles on Business and Human Rights in 2011. These Principles identify steps that global companies can take to prevent and mitigate the potential adverse human rights impact in their business operations and supply chains. Sony fully support these Principles and strive to respect human rights and ensure good labor practices in all of our business activities.

Sony's basic commitment to human rights is set forth in the Sony Group Code of Conduct, which is applicable to all directors, officers, and employees of the Sony Group. The Sony Group Code of Conduct requires all Sony Group companies to engage in ethical business conduct, including respect for human rights, and to adopt sound labor and employment practices for our employees in accordance with applicable laws.

Sony Group Code of Conduct

Human Rights and Equal Opportunities

Occupational Health & Safety

Analyzing and Monitoring Human Rights Risks

Sony is also committed to maintaining and improving risk-based systems and processes to help ensure that there are no human rights violations related to our own operations or our supply chains. Sony engaged BSR, an independent, non-profit, global organization devoted to building a just and sustainable world, to conduct an analysis of the potential human rights risks across Sony Group's various business operations and supply chains which encompasses electronics, entertainment, and finance since the salient human rights issues vary depending on the business segment. From this assessment by BSR, Sony identified that human rights in the electronics business supply chain, including materials procurement, is a consideration. To address this risk in our electronics segment, Sony adopted the Sony Supply Chain Code of Conduct and introduced an assessment and ongoing monitoring scheme for our electronics suppliers.

Establishing and Promoting the Sony Supply Chain Code of Conduct

Sony Group Statement on UK Modern Slavery Act

Human Rights Education and Training

Sony Group regulary provides training to all of its employees across the globe, in order to familiarize them with the Sony Group Code of Conduct and encourage ethical business conduct, including respect for human rights. Relevant organizations within the Sony Group conduct additional specialized training to key personnel to help detect and address human rights risks.

Ethics and Compliance Communication and Training

Human Rights and Equal Opportunities

Establishing and Promoting the Sony Supply Chain Code of Conduct

Grievance Mechanisms

Sony operates multiple channels, including an ethics hotline, for employees to raise concerns or seek guidance about possible violations of laws or internal policies, including the Sony Group Code of Conduct. Additionally, Sony operates a supplier hotline for business partners, and a conflict minerals hotline for reporting violations of corporate policy on conflict minerals. These channels of communication help to raise awareness of and enable Sony to rapidly address human rights risks.

Reporting Ethical Concerns

Supplier Hotline (Establishment of the Conflict Minerals Policy Hotline)

Human Rights and Equal Opportunities





Management Approach

Materiality Rationale

Since its establishment, Sony has sought to remain at the forefront of technological development, building continuously on its achievements to suggest new lifestyle options for people everywhere. In these efforts, Sony recognizes its employees to be its most important resource. Sony understands how critical it is to leverage the unique traits of each employee, build a pleasant working environment, and provide opportunities for employees to improve and make the most of their skills and capabilities.

Basic Approach

Sony strives to build an environment in which employees accept each person's differences irrespective of nationality, culture, race, gender, or the presence or absence of physical limitations. Sony employees see such differences as a matter of "individual character," and the process of interaction among individuals leads to the creation of entirely new value. This all falls under the concept of diversity and inclusion, which Sony regards as critical to its success. While working to recruit and train employees from diverse backgrounds and promoting them to important positions, Sony works hard to build safe and healthy workplaces that give due consideration to the lifestyles and life stages of the people who work there.

Structure

Sony has established the Diversity Committee, which reports directly to the CEO, to ensure that diversity and inclusion are addressed as high-priority issues. The Committee is implementing related policies. Regarding recruiting and training employees and securing the promotion of diverse persons to important positions,

a group-wide approach has been adopted that brings all divisions involved in human resource matters together to work as one. Based on the OHSAS 18001 occupational health and safety standards, and guided by its own Global Policy on OH&S, Sony has also established a proprietary OH&S management system for each of its sites around the world.

Main Achievements in Fiscal 2015

Here are the main results of fiscal 2015 initiatives:

- Sony introduced new HR policies.
- Sony expanded the range of employees eligible to work from home to promote diverse and efficient work styles that help employees tap into their creativity.
- Sony launched two new career development programs-an "in-house free agent" system and Career Plus.
- Sony adopted an Action Plan for Promotion of Women's Participation and Advancement in the Workplace, and conducted female leadership cultivation programs.
- Sony established Field-Specific Technology Strategy Committees.
- Sony launched a new Distinguished Engineer system.







Looking to the Future

Sony will be working to promote diversity and inclusion, devoting especially close attention to the recruitment and education of key personnel and their promotion

to important positions. In addition to building a pleasant working environment through the ongoing implementation of safety and health improvement activities, Sony will also work to provide opportunities for employees to improve and make the most of their character, skills and capabilities.

Activity Reports

Employee Data		
Diversity	Diversity Home	Human Rights and Equal Opportunities
	Promoting Greater Opportunities for Women	Fostering an Environment Conducive for Global Career Development
	Creating Accessible Working Environments and Promoting Greater Opportunities for Individuals with Disabilities	Providing Systems to Support a Healthy Work-Life Balance
	Collaboration with External Organizations That Advocate Diversity	
Recruitment	Recruitment Home	Recruiting Diverse Employees Worldwide
	Recruiting Practices	

Training & Talent	Training & Talent Development Home	Training Activities
Development	Developing and Deploying Core Human Resources Capable of Excelling Globally	Field-Specific Technology Strategy Committees and Inter-organizational Collaboration
	Nurturing and Leveraging Engineering Talent	Support for Career Building
Communication	Communication Home	Facilitating Dynamic Communication
	Global Employee Survey	
Occupational Health & Safety	Occupational Health & Safety Home	Basic Policy and Management System
	Occupational Health & Safety Management System and Global Initiatives	Global Workplace Injury Statistics
	Helping Employees Stay Healthy	

External Evaluation

Human Resources

Updated on September 7, 2016

Employee Data

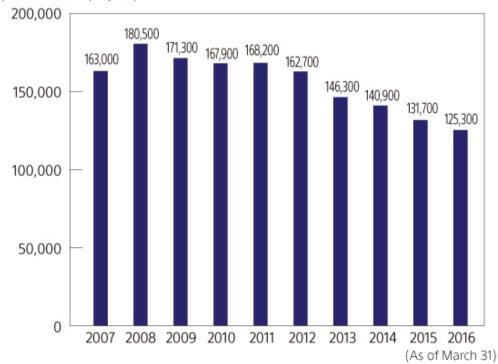
The total number of employees in the Sony Group as of March 31, 2016 was 125,300, a decrease of approximately 6,400 employees from March 31, 2015. During the fiscal year ended March 31, 2016, while employees of the Pictures, Music, and Financial Services segments increased, the total number of employees decreased due to production adjustments implemented at manufacturing sites in East Asia (excluding Japan) and restructuring initiatives taken mainly in the Mobile business.

Sony Corporation's workforce peaked at 23,000 in 1993, and in ensuring years it has generally remained fairly consistent at approximately 17,000. As of March 31, 2016, due to business restructuring initiatives taken and the sequential splitting out of business units, the number of employees at Sony Corporation was approximately 10,500.

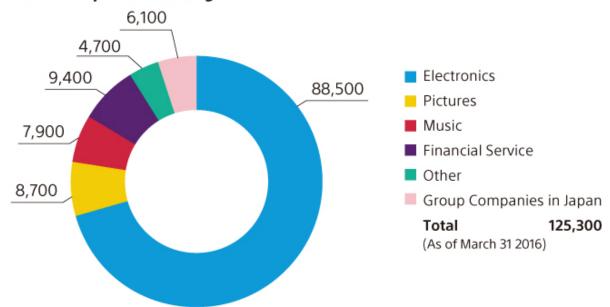
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Total Number of Employees (Sony Group)



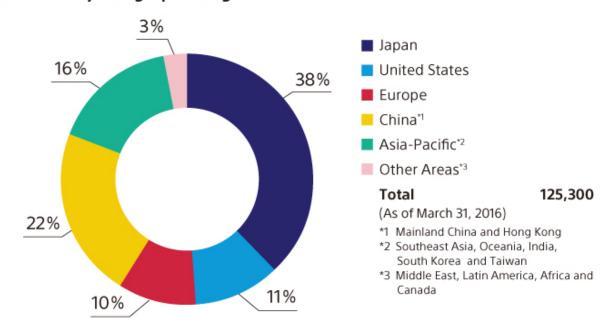


Personnel by Business Segment



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Personnel by Geographic Segment



Composition of Sony Corporation's Directors, Corporate Executive Officers and Business/Corporate Executives (As of June 17, 2016)

	Total	Female	Non-Japanese Nationals
Directors	11	1 (9.1%)	2 (18.2%)
Corporate Executive Officers	11 *4	0	2 (18.2%)
Business Executives	20	0	3 (15%)
Corporate Executives	12	2 (16.7%)	0

^{*4} Of the eleven Corporate Executive Officers, two serve concurrently as Directors.

Board of Directors

^{*} For further information on the Board of Directors, see the Board of Directors page.

Human Resources

Diversity

As a company with a broad global business portfolio encompassing electronics, entertainment and financial services, Sony Group employs individuals of diverse backgrounds, including different nationalities and genders. With its wide range of different personnel and businesses, Sony acted in 2013 to promote diversity globally by adopting the Diversity Policy, a common diversity statement for the Sony Group. In accordance with this policy, top managers from each country and region worldwide are taking the lead in promoting a wide range of global diversity programs. In addition, Sony has established the Diversity Committee, which reports directly to the CEO, to ensure that diversity is addressed as a high-priority management issue.

Global site

Sony Group Diversity Statement

It is in Sony's DNA - and a source of our innovation - to value different perspectives and backgrounds as we conduct our business activities globally and rise to new challenges.

Sony promotes diversity across the Sony Group as a key management strategy by ensuring an inclusive work environment and by recruiting, hiring, training and promoting employees from diverse backgrounds.

Human Rights and Equal Opportunities

Promoting Greater Opportunities for Women

Fostering an Environment Conducive for Global Career Development

Creating Accessible Working
Environments and Promoting Greater
Opportunities for Individuals with
Disabilities

Providing Systems to Support a Healthy Work-Life Balance

Collaboration with External
Organizations That Advocate Diversity

Human Resources

Updated on September 7, 2016

Human Rights and Equal Opportunities

The Sony Group is committed to creating a workplace where human rights are respected and to providing equal employment opportunities that allow all individuals to make the most of their capabilities. In light of the increasing diversity of human rights issues facing corporations, Sony believes it is crucial to address these issues appropriately by building a common awareness among employees.

The Sony Group Code of Conduct, enacted in May 2003, contains articles related to respect for human rights and maps out global policies that guide human rights-related rules and activities throughout the Sony Group. The article in the Code concerning equal opportunity in employment lays down the Group's policy for recruiting, hiring, training, promoting and otherwise treating applicants and employees without regard to non-business-related characteristics, including race, religion, skin color, nationality, age, gender, or physical limitation. These provisions are based on existing international standards, including the United Nations Universal Declaration of Human Rights.

Sony's transactions with suppliers must comply with provisions in the Sony Group Code of Conduct. Sony has established the Sony Supplier Code of Conduct, which covers human rights issues that could potentially arise at production facilities operated by suppliers and outsourcing partners concerning labor conditions (e.g. discrimination, child labor, and work hours, and freedom of association).

Sony Group Code of Conduct

Responsible Sourcing and CSR in Supply Chain Management

Sony's Organization for Ensuring Respect for Human Rights

All Sony Group companies in Japan have a Diversity Committee, which discusses outstanding issues and conducts workshops on human rights, diversity, and other such matters.

Diversity Promotion Organization Chart (Sony Group in Japan)



Hotline Service for Employees

At each Sony Group company in Japan, an in-house equal employment opportunity hotline has been established to advise employees and to enable immediate action in cases of possible harassment issues, including sexual harassment or human rights violations. Access to such services outside the Group has also been set up. Together, these approaches make consulting conveniently available to employees. In addition, Sony has created a counseling service specializing in work-life balance issues in order to handle questions concerning childcare and nursing care. These counseling services work to respond quickly and appropriately while giving full consideration to personal privacy. Sony strictly enforces confidentiality and ensures that employees are not subject to reprisals after reporting through the services. To ensure that counselors fully understand these matters, Sony provides manuals and holds seminars.

Education and Training

Education and Training

The Sony Group (global) offers an e-learning course on compliance annually for all employees, and each regional company provides programs for raising awareness of human rights, including training on human rights and harassment. In Japan, an e-learning course focusing on human rights is held for all employees of Sony Corporation and 26 group companies. In addition, a program on human rights and diversity is offered to newly hired employees, various programs on human rights are regularly held for managers.

Sharing of Activities

Coinciding with Human Rights Week in December every year, each Sony Group company in Japan holds an event to award public recognition of especially successful efforts within the Group to promote diversity. The purpose of this event is to share best practices in diversity promotion. Also, the Group shares information on its global activities by holding workplace excellence awards ceremonies to reward production sites around the world that have done an especially good job of promoting human rights and diversity.

In addition, Sony Group in Japan has established a communication practices study group composed of Sony personnel working in advertising and communication practices. The study group meets regularly to share information, hold study sessions, and enhance people's knowledge of communication practices related to human rights.

Human Resources

Updated on September 7, 2016

Promoting Greater Opportunities for Women

In the electronics business, which accounts for a large proportion of engineers, the percentage of male employees is comparatively high, reflecting the generally low percentage of female students majoring in engineering and sciences in Japan. Hence, it is not easy to recruit a similar or greater number of women for engineering roles, and that is the case for Sony Corporation, as well.

For this reason, Sony believes that it is significant to be proactive in the recruitment and career development of female employees, and undertakes a variety of programs in line with this thinking. To impart leadership skills and a leader's mindset, and to support networking, Sony conducts female leadership cultivation programs, and supports career growth.

The Sony Group in Japan has set a target percentage of female employees in management positions of 10%, and Sony Corporation of 15%, by 2020.

Sony Corporation was awarded the top "Eruboshi" mark by the Minister of Health, Labour and Welfare in recognition of its excellence as a supporter of workplace participation and advancement among female employees.

The Act on Promotion of Women's Participation and Advancement in the Workplace Sony Corporation's Action Plan*1

Sony carries out "disclosure of information" and "disclosure of action plans" in accordance with the provisions of the Act on Promotion of Women's Participation and Advancement in the Workplace, using the Ministry of Health, Labour and Welfare's "Database of Corporate Performance in the Area of Women's Participation and Advancement in the Workplace."

In fiscal 2015, the DIVI@Sony*2 diversity project held town hall meetings focusing on a wide variety of themes to communicate the views of top management regarding diversity directly to female employees. Through training programs aimed at fostering female managers and the holding of roundtable discussions and seminars related to the development of women's careers, Sony continues to motivate women and facilitates the expansion of interpersonal networks among employees. In addition, workshops and seminars for department managers and section chiefs were held to help employees better understand diversity and inclusion (D&I), and to provide them with tips to support female employees' career development. The ultimate objective is to change attitudes regarding the hiring and promotion of women.

*2 DIVI is an acronym for Diversity Initiative for Value Innovation. The DIVI@Sony project is designed to promote employment diversity in the Sony Group in Japan.

Ratio of Female Employees in Management Positions in the Sony Group (Japan)*3*4

	FY10	FY11	FY12	FY13	FY14	FY15
Ratio of female employees (%)	19.5	20.0	20.0	18.6	18.6	21.3
Ratio of female employees in management positions (%)	3.6	3.9	4.2	5.7	4.8	6.5

Ratio of Female Employees in Management Positions in the Sony Group (USA)

	FY10	FY11	FY12	FY13	FY14	FY15
Ratio of female employees (%)	32.6	38.7	36.4	37.8	36.1	37.5
Ratio of female employees in management positions (%)	33.8	36.1	32.7	33.3	31.3	33.0

Ratio of Female Employees in Management Positions in the Sony Group (China)*5

	FY10	FY11	FY12	FY13	FY14	FY15
Ratio of female employees (%)	64.8	63.9	59.2	55.5	44.6	43.8
Ratio of female employees in management positions (%)	25.2	29.1	22.5	26.2	32.7	31.6

Ratio of Female Employees in Management Positions in the Sony Group (Asia Pacific)*6

	FY10	FY11	FY12	FY13	FY14	FY15
Ratio of female employees (%)	49.2	48.2	46.5	42.5	46.2	43.8
Ratio of female employees in management positions (%)	18.7	20.5	20.6	26.4	31.1	33.7

Ratio of Female Employees in Management Positions in the Sony Group (Europe)

	FY10	FY11	FY12	FY13	FY14	FY15
Ratio of female employees (%)	34.6	38.0	33.3	34.3	36.0	34.5
Ratio of female employees in management positions (%)	20.5	16.8	23.2	26.6	25.9	33.6

Ratio of Female Employees in Management Positions in the Sony Group (Other Areas)*7

	FY10	FY11	FY12	FY13	FY14	FY15
Ratio of female employees (%)	_	_	_	37.4	38.1	41.4
Ratio of female employees in management positions (%)	_	_	_	24.7	30.0	28.1

- *3 Totals are based on data provided by Sony Group companies as of the end of each fiscal year. The definition of "manager" varies in different countries, regions and companies.
- *4 Ratio of female employees in management positions at Sony Corporation: 5.7%
- *5 Coverage area: Mainland China and Hong Kong
- *6 Coverage area: Southeast Asia, Oceania, India, South Korea and Taiwan
- *7 Coverage area: Middle East, South and Central America, Africa and Canada

Key Activities to Promote Women's Career Development at Sony Group

Sony runs a regular networking event for young female employees across several Sony Group companies. This event has the objective of broadening the career design perspective of female employees, with participants hearing the views of women who are currently working at management level, and taking part in follow-up discussions and the sharing of problems faced by employees. These activities are contributing to the expansion of women's career choices.

Sony Group (United States)	Each Sony Group company in the United States is supporting programs and organizations involved in grooming female leaders, including Women Unlimited, Inc. To support female leaders within their own management, the companies have set up networking organizations for female employees of the Group in the United States.
Electronics (Asia)	Each Sony Group company throughout Asia has adopted a system for maternity and childcare leave to allow for full and flexible work schedules, thereby providing a convenient working environment for female employees with children. Also, some of the Group's production facilities have set up women-only production lines and taken other such measures to provide women with more opportunities for workplace advancement.

Human Resources

Updated on September 7, 2016

Fostering an Environment Conducive for Global Career Development

As of March 31, 2016, Sony had approximately 1,500 employees working in countries other than their own. Of these, approximately 170 employees were transferred between Sony Group companies outside Japan. The purpose of this arrangement is to leverage personnel on a global scale,



Employees participating in Buddy Program

accomplish the transfer of technology and knowledge, and initiate new businesses. To enhance the ease and efficiency of moving human resources around the world, Sony convened experts on global personnel policies and standards and formulated common Sony Group policies appropriate to a wide variety of overseas assignments. Sony continues to improve this system.

With the rapid increase in opportunities for human resource mobility on a global basis, Sony Corporation has developed internal websites, HR & accounting-related systems and other bilingual applications to enable non-native speakers of Japanese to work effectively within the company using English. It is also taking other steps continuously via a specialized unit within the Human Resources Division set up to provide career support and other assistance. To help non-Japanese employees develop interpersonal networks, for example, Sony initiated the Buddy Program in 2013, in which employees from outside and inside Japan are grouped to teach each other their respective languages. This program is meaningful to both Japanese and non-Japanese employees because, in the course of the language exchange, they acquire a deeper understanding of one another's cultures.

Human Resources

Updated on September 7, 2016

Creating Accessible Working Environments and Promoting Greater Opportunities for Individuals with Disabilities

Based on the philosophy of Sony co-founder Masaru Ibuka of creating workplaces that do not offer charity, but rather create an environment that makes it possible for individuals with disabilities to manufacture products that exceed those manufactured by individuals without disabilities, the Sony Group strives to realize an environment in which individuals do not feel held back by their disability and disabilities do not create barriers. To achieve this goal, Sony has initiated a wide range of programs.

In the action plan adopted in fiscal 2014 for promoting greater employment of people with disabilities through the year 2020, Sony seeks to create a workplace environment in which employees with disabilities can pursue rewarding careers by ensuring career development regardless of physical limitations, creating work environments that offer reasonable accommodation, and meeting social expectations.

At Sony Corporation, there is no differentiation based on level of ability in recruitment or job assignment of employees. Sony believes that all employees should be able to exercise their full potential regardless of level of ability. Sony facilitates this by building consensus regarding necessary considerations from the selection stage, while opening up career fields in line with individual attributes and capabilities. There is no differentiation in either posting or treatment of employees.

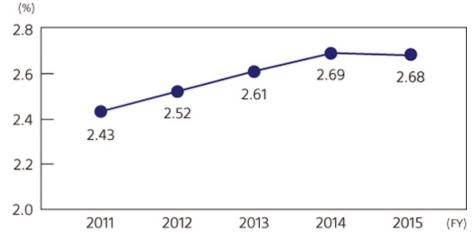
At Sony Group companies in Japan, employment know-how and experience related to past cases are integrated in a dedicated department within the Human Resources Division. This particularly leverages knowledge gained through the special-purpose subsidiaries Sony Taiyo Corporation,*1 which has over 35 years of experience in this field, and Sony Kibou/Hikari Corporation, which specializes in providing employment opportunities for individuals with intellectual disabilities. These programs support individuals with disabilities and undertake programs that leverage the advantages of the Sony Group. Specifically, at joint recruiting events (now in their eighth year) where about 20 Sony Group companies take part, guidance is given to workplaces that are striving to improve their work environments to accommodate new employees with disabilities. Training programs are also implemented to provide the perspective of employees with disabilities to their supervisors and colleagues and vice versa.

Even before the enforcement of Japan's Act on the Elimination of Discrimination against Persons with Disabilities, Sony has long taken reasonable accommodation measures and has also created Group Guidelines. In addition, Sony has set up a consultation system and holds study meetings to promote the employment of persons with disabilities in a unique way.

Sony also seeks to encourage students with disabilities and their supporters by communicating about its philosophy and programs for the employment of people with disabilities. The aim is to enhance social awareness of diversity and inclusion issues. For example, Sony Taiyo Corporation holds inclusion workshops aimed at providing opportunities for elementary and junior high school students to experience together the fun of science firsthand, regardless of their level of ability.

Sony's commitment in this area extends beyond legal compliance, by making workplaces accessible and actively encouraging greater awareness of diversity and inclusion issues. In fiscal 2015, employees with disabilities accounted for 2.68% of Sony Corporation's workforce, while the average for Sony Group companies in Japan (with over 201 employees) was 2.1% as of June 2015, both well above the 2.0% mandated by Japanese law for companies over a certain size.





- *1 Sony Taiyo, Sony's first special purpose subsidiary, has implemented concepts such as universal design and inclusive design a comprehensive workplace design concept that emphasizes usability, environment and education to meet the needs of people regardless of age or ability to create a work environment in which anyone can work irrespective of whether or not they have a physical limitation.
- *2 Average for each fiscal year (average of month-end ratios from April to March)

Key Activities to Promote Career Development of Individuals with Disabilities at Sony Group

Sony Group Companies (Japan)

For eight consecutive years, Sony Group companies operating in diverse industries have jointly held an annual job fair aimed at expanding employment opportunities for people with disabilities. Moreover, Sony has been implementing seminars on job opportunities for university students with disabilities every year since 2004. These seminars are useful to the participants regardless of whether they end up working at Sony or not.

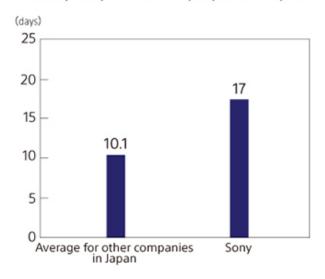
Financial Services	Since fiscal 1996, Sony has successively established 16 therapeutic massage facilities and employed visually impaired workers as massage therapists. In addition, as a part of hands-on training for employees, visits to special-purpose subsidiaries of Sony Corporation are held with the aim of encouraging them to embrace diversity in business.
Sony Group (outside Japan)	In order to learn about the employment of persons with disabilities in Japan, and to apply this to local hiring, supervisors visit special-purpose subsidiaries and Sony Group affiliates throughout Japan and prepare manuals for use in their home countries.

Updated on September 7, 2016

Providing Systems to Support a Healthy Work-Life Balance

In Japan, Sony Corporation has introduced a flex-time system and a discretionary working system, which enables employees to work with versatile options. Sony employees regularly use a high percentage of their allotted annual paid days off. In fiscal 2015, they took off an average of 17 days.

Average Annual Paid Holidays for Sony Corporation Employees in Japan



* Source for average for other companies in Japan: Comprehensive Survey of Wage Conditions (Fiscal 2015), Ministry of Health, Labour and Welfare. Surveyed companies had a workforce of more than 1,000 employees.

Supporting Employees Doing Child Care or Nursing Care

Under a work-life balance initiative, Sony Corporation provides paid leave programs which can be used along with Child Care Leave such as Special Child Care Leave (up to 20 days) and Accumulated Leave used for pregnancy, childbirth, child rearing, fertility treatment, and nursing care purpose. These programs are widely used by employees.

For employees who have child care or nursing care responsibilities, Sony provides support by offering systems which give the option of reduced working hours for child care or nursing care and allow employees to work at home or take paid annual leave on an hourly basis. As of fiscal 2016, Sony has moved beyond its previous telecommuting system, under which employees were allowed to work from home only for the purpose of child care or nursing care. Now, the Group has introduced an expanded telecommuting system that is designed to improve organizational efficiency, foster a corporate culture that encourages the creation of new ideas, and enhance the productivity and output of individual employees. Sony is expanding programs of this nature not just to support employees with child care and nursing care needs, but also to ensure that all employees can work more flexibly and efficiently.

Number of Employees Taking Child Care Leave at Sony Corporation in Fiscal 2015

Number of employees taking child care leave	205 (including 9 male)
Percentage of employees who took child care leave*1	100%
Percentage of employees who returned to work	98.1%

^{*1} Calculated with employees who gave birth in fiscal 2015.

Number of Male Employees Taking Special Child Care Leave at Sony Corporation in Fiscal 2015

Number of male employees who took special child care leave	356
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Work-Life Balance Systems at Sony Corporation

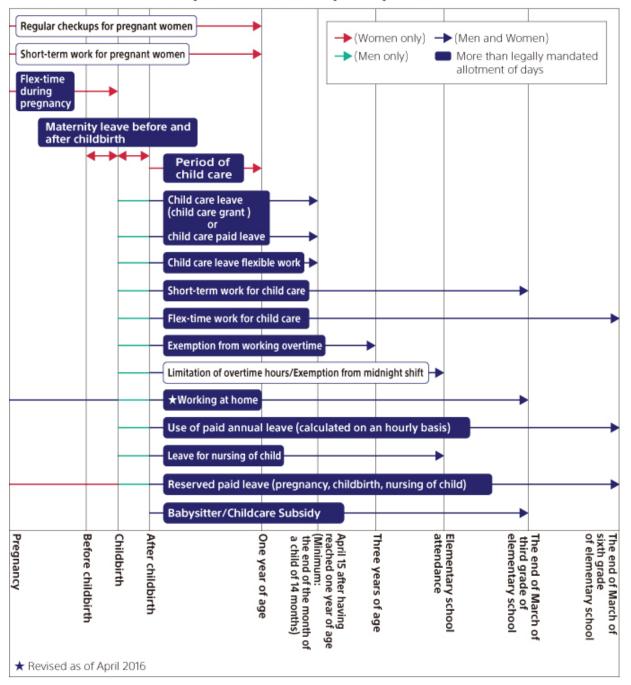
System	Introduced (FY)	Description			
Child Care Leave	1990	 Up through April 15 of the year following the date on which the child reaches 1 year of age Can be used in combination with Special Child Care Leave when child reaches 8 weeks of age (for men) 			
Reduced Working Hours for Child Care	1995	 Until the child is sixth grade of elementary school Flex-time system can also be used during period of reduced working hours for child care 			
Child Care Grant	2007	 Grant of 50,000 yen/month during period of Child Care Leave 			
Special Child Care Leave	2007	 Provides for 20 days' paid leave Can be used in combination with Child Care Leave when child reaches 8 weeks of age 			
Working at Home	2008	 Enables employees to work at home when involved in child rearing or providing nursing care for a family member A wider range of employees is now eligible to work from home. The purpose of this expanded eligibility is to promote diverse and efficient work styles that help employees tap into their creativity.*2 			

Use of Paid Annual Leave	2008	 Can be used on an hourly basis, for child rearing or providing nursing care for a family member
Child Care Flex-Time	2013	Can be used until the child has graduated from elementary school
Babysitter / Child Care Subsidy	2015	 Until the child is third grade of elementary school *2 Babysitter / child care fee subsidy

^{*2} Systems expanded as of April 2016.



Child Care Leave Systems at Sony Corporation



Promoting Work-life Balance

In addition to establishing systems that promote work-life balance, all Sony Group companies in Japan strive to create a corporate culture in which employees seeking to balance the demands of child care (or nursing care) and work can build careers. Sony designated the week beginning October 31, 2015 as Diversity Week.

During that week, top management



Working Parents' Meeting

issued a message about changing the way Sony people work. In addition, Sony held various lectures as well as roundtable discussions among employees with child care and nursing care responsibilities. In fiscal 2010, Sony launched the Working Mothers' Meeting, an annual event that supports female employees by providing them with information relevant to work-life balance and career planning. Now, this event has been renamed the Working Parents' Meeting so that male employees with child care responsibilities can attend together with their partners and children. While listening to outside lecturers, people with experience dealing with work-life balance issues and other participants have chances to exchange information, and information is presented to help participants think about how to change the way they work.

Regarding nursing care, which is likely to become a key work-life balance issue in the future, Sony holds lectures where Sony's nursing care firm provides both basic information and information on how to balance nursing care responsibilities and career considerations. In these and other ways, Sony is striving to promote work-life balance by taking an approach that gives due consideration to how individuals work and build their careers.

In 2007, 2010, 2013, and 2015, Sony was certified by the Tokyo Labor Bureau as a company that actively supports parenting initiatives in line with the Law for Measures to Support the Development of the Next Generation. Sony received high marks for the ease with which employees can make use of its various parenting support systems, its support for employees' work-life balance, high rates of participation in its various systems and its support for male participation in child rearing.



Kurumin Mark, certifying companies with next-generation child care systems, from Japan's Ministry of Health, Labour and Welfare

Main Sony Group Work-Life Balance Initiatives around the World

Electronics (Latin America)	Since fiscal 2008, Sony Latin America Inc. has held a number of events promoting work-life balance, including family picnics and company tours for employees' families.
Contribution to employee health	Some group companies provide services and take other steps designed to promote employee health, such as offering on-site fitness facilities and dental clinic, and holding in-house sports competitions.
Services for employees raising children	Some group companies provide a private area for nursing mothers, emergency child care and other services for employees who are raising and/or expecting children. There are also child-raising support programs that aim to build communities of employees who are parents to facilitate the sharing of information on such topics as children's education.

Updated on September 7, 2016

Collaboration with External Organizations That Advocate Diversity

Sony is taking a number of steps to help increase the number of women in engineering and science fields. One such measure is to support the Ministry of Education, Culture, Sports, Science and Technology's "Program to Support Research Activities for Female Researchers."

Sony is also a member of Japan Women's Innovative Network (J-Win), which supports the development of a network for the advancement of women's careers and also promotes diversity management. In addition, Sony is a participant in the Support Forum for Women in Business, a project of the Japan Institute for Women's Empowerment & Diversity Management. By establishing connections with other organizations like these, Sony seeks to learn about better ways to promote women's participation and advancement.

Since fiscal 2014, Sony has been participating in a special project which promotes managers' awareness of subordinates' work-life balance, which is sponsored by the NGO Fathering Japan. In order to create better working environments, Sony continues to provide employees with appropriate information and organize seminars related to work-life balance.

Sony Corporation also participates as a corporate partner with Work with Pride, a group that promotes the creation of workplace environments in which lesbian, gay, bisexual and transgender (LGBT) employees can feel comfortable being themselves. Sony also arranges for employee volunteers to take part in workshops for companies and LGBT events.

Examples of Measures to Promote Diversity in the Sony Group around the World

Electronics (USA)

In the United States, both Sony Pictures Entertainment Inc., Sony Electronics Inc. and Sony Corporation of America received awards based on assessments of the maximum score of 100% in the Corporate Equality Index from the Human Rights Campaign Foundation as companies that create ideal working environments for LGBT employees. These scores reflect the level of fairness achieved within the organization toward LGBT employees, which is underpinned by rules designed to support these employees.

Recruitment

To further grow Sony's businesses, the most important thing of all is to secure highly skilled personnel from various fields and provide them with opportunities to make full use of their talents. Sony has always respected each person's experiences and values while hiring a diverse array of talent around the world. In order to attract personnel ready to flourish across regions and business fields, Sony works to recruit highly motivated and energetic people, irrespective of their nationality, cultural background, race, or gender, and without discrimination based on level of ability.

Recruiting Diverse Employees Worldwide

Recruiting Practices

Updated on September 7, 2016

Recruiting Diverse Employees Worldwide

As a company with sales, manufacturing and R&D based in a number of different countries, Sony promotes the localization of these operations by securing local talent that can meet national, regional and locational needs. Sony also recruits university graduates from other countries to work in Japan, aiming to secure talent to drive its global business.

Sony has expanded the range of countries from which it recruits students to work in Japan. In addition to Europe and North America, Sony also hires undergraduate and graduate students from China and India. Recruitment in China began in earnest in 2000, and in India in 2007. In both of these countries, Sony continues to secure top-level talent with the cooperation of local group companies.

Sony has also established a Global Internship Program, which welcomes university students worldwide. Going forward, Sony will continue hiring new graduates as well as mid-career employees in Japan, while also conducting global recruitment and branding activities, seeking to attract a wide variety of top talent.



Presentation at the Indian Institute of Technology in Bombay

Updated on September 7, 2016

Recruiting Practices

Since fiscal 2014, Sony has been providing various course-based job opportunities to enable university graduates to apply for jobs which match their intentions and areas of study.

For fiscal 2017 new graduate recruitment, companies in Japan are subject to new guidelines shortening the period of recruitment. Regardless of this shorter timeframe, Sony will carry out recruiting activities designed to facilitate mutual understanding with graduates in order to minimize employment mismatch.

To recruit engineers and researchers, Sony has set up a job matching system in which students can meet employees in positions similar to their desired jobs. By taking opportunities to meet with a diverse range of university students including those who have school referrals, Sony strives to hire outstanding talent.

To recruit administrative staff, in addition to welcoming interns to its marketing and product planning departments, Sony has also set up the Business Master Program for positions that require specialized knowledge, including management, finance, and law. Through this program, university students learn about Sony's business by attending employee lectures, participating in workshops, and giving presentations.

Training & Talent Development

The development and vitality of its employees drive Sony's dynamic growth. Sony recognizes its people as its most important management asset and the growth of its people as a crucial aspect of its management foundation. Sony strives to further enhance motivation and encourage personal growth for its employees through on-the-job learning, as well as through access to a variety of programs designed to enhance individual abilities and skills and tailored to local needs.

As a company that does business in a variety of countries and regions, Sony recognizes the importance of cultivating future business leaders with a global perspective and diverse cultures. Accordingly, Sony is implementing initiatives aimed at fostering such employees and bringing their capabilities into full play.

The Sony Group is also undertaking a broad range of human resource development and recruitment programs on a Groupwide basis, thereby ensuring its ability to leverage Group strengths and generate innovation.

Training Activities

Developing and Deploying Core Human Resources Capable of Excelling Globally

Field-Specific Technology Strategy
Committees and Inter-organizational
Collaboration

Nurturing and Leveraging Engineering Talent

Support for Career Building

Updated on September 7, 2016

Training Activities

In Japan, Sony Corporation offers more than 300 employee training programs —including general training, e-learning, and on-site training—all tailored to specific objectives. Mandatory multilevel job-specific training helps participants acquire crucial skills in a systematic effort to foster the development of the "human quotient." Sony is also expanding its menu of elective training options, consisting of lectures, correspondence courses and courses provided by affiliated training agencies, which are aimed at enhancing job performance, as well as providing support for self-learning and personal development. In fiscal 2015, Sony has been working on training program reviews as well as insourcing instructors from among employees, seeking to improve the efficiency and quality of each training program. These efforts helped to save about 190,000 yen per Sony employee in human resource development cost.

Participation in Companywide Training in Fiscal 2015 (Sony Corporation)

	Targeted	Mandatory	Elective (Technology- related)	Elective (Others)	Total
Number of programs	15	29	244	5	293
Number of times offered	22	228	443	19	712



Participants	261	15,393	12,633	1,621	29,908
Cumulative total training time (Hours)	8,415	47,856	28,739	6,418	91,428

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Developing and Deploying Core Human Resources Capable of Excelling Globally

Established in 2000 to promote crossborder and cross-business cultivation of global business leaders, Sony University, in Tokyo's Shinagawa district, offers short- and long-term development programs that address this task from the perspectives of the Sony spirit, business vision, management decision-making capabilities and networking.

For instance, potential business leaders from around the world participate in a four-month program that promoted friendly competition. In Japan, Sony also strives to foster future business leaders, offering a seven-month module for prospective core leaders, as well as a program for more junior





Participants in a Sony University program

employees identified as possible future management, both promoting active interaction and mutual learning.

Sony Group Global Leadership Programs around the World

Global Challenge Program

Electronics (Japan)

Sony Global Manufacturing & Operations Corporation (SGMO) has established its Global Challenge Program to enable its employees who have worked abroad to apply what they have learned after returning to Japan, thereby contributing to the development of SGMO. Under the program, SGMO sends employees to work at offices in another country to allow them to experience a different culture and become directly familiar with the dynamics of a workplace outside Japan. Each year, four employees working for SGMO are selected for three months program at U.K.

Sony appoints global talent directors to identify promising individuals for worldwide job rotations aimed at grooming future business leaders, regardless of their business specialty or region of the world. To date, almost 100 Sony employees, primarily executive managers and mid-tier managers, have been rotated in various job assignments.

Recently, Sony has begun debating the idea of linking its job rotation program with other initiatives aimed at fostering employees' talents to create a more integrated, comprehensive global program.

Basic Philosophy behind Rotation Project



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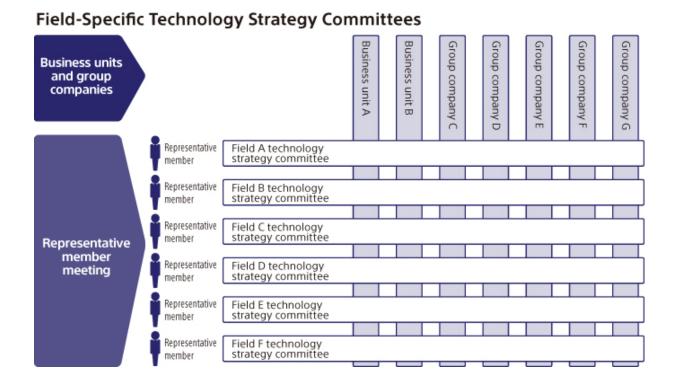
Examples of Activities for Appointing Global Business Leaders around the World

With the aim of reinforcing efforts to foster future regional business leaders, in fiscal 2010 Sony in Latin America introduced the Positioning for Success program, a job **Electronics** rotation initiative that encompasses key positions in the (Latin America) region, as well as cross-border assignments arranged by global talent directors. Sony in Latin America also participated actively in the succession program. This core human resource recruitment program operates in tandem with each Group company in the Asia-Pacific **Electronics** region to recruit and foster future regional business (Asia Pacific) leaders. Multinational job rotation is implemented for business leaders and talented young people. Sony's software departments in Japan and the United States have set up an engineer exchange program to provide their members with opportunities to learn about the latest technologies and trends while working abroad **Electronics** for three months, as well as experience a different culture (USA) in terms of the diverse working styles and values of the program's participants. The program contributes to raising awareness among the participants of their key role in bridging national boundaries and realizing the concept of One Sony.

Updated on September 7, 2016

Field-Specific Technology Strategy Committees and Inter-organizational Collaboration

Sony is technology-driven. To be known as such, achieving overwhelming technological superiority is an absolute imperative. Toward that end, the entire group is pooling its efforts as part of the One Sony strategy. Strong interorganizational ties accelerate technical progress, bring about technological integration, and yield new products and services unlike anything seen before anywhere. Business units have been spun off to operate as independent, autonomous subsidiaries. At the same time, Sony seeks to strengthen cohesiveness by creating arrangements that span the boundaries between different business units and Group companies, and with that aim in mind Sony has established field-specific technology strategy committees.



A technology strategy committee is established for each field. Each one consists of specialists who are selected from across business units and Group companies. These committees work to achieve technical innovation and roll out organization-specific technologies across the Group. Technology is developed by people, so technology strategy committees implement related human resource measures. Sony has adopted an organization-wide approach to personnel assignments and skills development as well as personnel recruitment; this approach accounts for the special features of different technologies, and transcends the boundaries between different business units and Sony Group companies. In addition, group-wide engineer certification systems—such as the Most Valuable Professional (MVP) Award*1 and the Distinguished Engineer system*2—rely on the technology strategy committees to act as judges to evaluate who should be singled out for special recognition.

- *1 In fiscal 2003, Sony established the Sony Most Valuable Professional (MVP) Award to recognize Sony Group employees who have developed innovations that create new value for customers and have worked hard to solve advanced technical problems by applying specialized expertise and knowledge.
- *2 The Distinguished Engineer (DE) designation is a group-wide system for providing recognition to employees who possess outstanding technical expertise and have made a significant contribution to Sony.

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Nurturing and Leveraging Engineering Talent

For Sony to continue moving forward with originality, it must constantly generate innovations and apply them to earn new customers. To achieve that, Sony's engineers must envision products that appeal to today's sensibilities, while also continuing to create Sony technologies that ensure that customers directly experience new value.

Key Technology Training Courses

Approximately 200 Sony engineers with frontline expertise in key technological fields develop curricula and textbooks for use in Key Technology training courses, aiming to enhance the expertise of engineers. These courses also offer opportunities to study leading-edge technologies from external experts. More than 5,000 employees take part in these training courses every year.



Key Technology training course

Sony enhances the skills of its new recruits by offering them general technological training designed by leading Group engineering experts, as well as specialized training programs developed by each of Sony's business units, which are designed to familiarize the trainees with technologies specific to each business. Furthermore, under the guidance of their supervisors and tutors, the recruits participate in theme-based training, which addresses issues that arise in real everyday work. This gives them a better understanding of the importance of communication and how business is conducted, thereby preparing them for future challenges early in their careers.

Sony Most Valuable Professional (MVP) Award

Meanwhile, in an effort to raise the level of its in-house technologies, Sony has put systems in place for recognizing engineering excellence. In fiscal 2003, Sony established the Sony Most Valuable Professional (MVP) Award to recognize Sony Group employees who have developed innovations that create new value for customers and have worked hard to solve advanced technical problems by



Sony Most Valuable Professional (MVP) Awards ceremony

applying specialized expertise and knowledge. Intended to increase the motivation of engineers, the award has encouraged employees to be proactive in addressing challenges and has also promoted a corporate culture that emphasizes value creation. Between fiscal 2003 and fiscal 2015, a total of 263 employees were honored with the MVP Award.

Distinguished Engineer System

Sony has designated its outstanding engineers with the title "Distinguished Engineer" since fiscal 2006. With the adoption of a new human resources system in fiscal 2015, however, Sony terminated this system and launched a new Distinguished Engineer (DE) system in July 2015. The Distinguished Engineer designation is a group-wide system for providing recognition to employees who possess outstanding



Distinguished Engineer recognition ceremony

technical expertise in Sony's key technological fields and have made a significant contribution to Sony. The new DE system shows that "the face of Sony technology"

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is important to Sony because it plays a leading role in resolving problems and technology strategies. By publicizing this system group-wide, Sony enables its Distinguished Engineers to serve as role models for younger engineers. The global, group-wide launch of this system has helped to provide solutions for issues at their respective departments, while creating technology-based interorganizational ties which can be expected to contribute in many different ways, including human resources development.

For the Next Generation

Updated on September 7, 2016

Support for Career Building

Sony has always encouraged its employees to take on new challenges, aiming to develop in tandem with the career advancement of employees. Back in 1966, Sony became first in the Japanese industry to launch an internal recruitment program that has now been in place for 50 years. Encouraging the spirit of challenge among employees, the program enables the Group to assign the right people to the most appropriate roles while simultaneously bolstering key parts of its business. To date, more than 7,000 employees have qualified for this program and received internal transfers. The program has become firmly established as an indispensable human resources system.



The "Search" web portal at Sony Corporation provides support for human resources development and career building.

In fiscal 2015, Sony launched two exciting new human resource systems. One of these is a "free agent" system, under which outstanding employees are allowed to declare themselves "in-house free agents." This gives them the right to take the initiative to seek transfer to new departments and work in new fields of their choosing. Under the other system, called Career Plus, an employee remains at his or her current position but can respond to in-house recruitment calls to take a concurrent position or take part in a project outside their current department. This affords employees opportunities with the chance to make broader use of their expertise and knowledge while expanding their in-house networking.

Sony will expand such initiatives to encourage employees to rise to new challenges, and keep offering employees opportunities to boost their careers by enhancing their experience within the Sony Group.

Moreover, seeking to support employees' growth through work experience, Sony Corporation operates a self-review system under which employees assess their own performance in relation to goals set at the start of each year. The system includes an interview between each employee and his or her supervisor. In fiscal 2016, Sony identified key behaviors as a step toward behavior modification. Communication takes place throughout the year to increase employees' awareness and spur growth. This approach is now being adopted by the electronics companies, and Sony Corporation in particular is leading the way.

Since 2007, Sony Corporation has also designated a Career Month every autumn, a period during which it works to create opportunities for employee growth. Over the course of this month, employees can meet directly with their supervisors to discuss development plans regarding their careers and future growth. The results are fed back to management and applied to efforts to reinforce Sony's programs for fostering human resources, thereby facilitating carefully tailored support for career building. As a program to promote such activities, Sony operates an internal portal site called "Search," through which employees can refer to a broad range of information helpful in thinking about their own career development. This includes information that will be helpful in discussions on career development and growth, information on training programs for personal growth, and internal career case studies. In addition, Sony assigns career advisors and internal mentors who possess specialist knowledge, as part of its efforts to make it easier for employees to discuss career development. Such career support efforts also play a key role in revitalizing work environments.

Examples of Support for Career Building at Sony Group Companies

Electronics (Japan)	With the goal of developing human resources that can handle a broader range of marketing activities, Sony Marketing (Japan) Inc. has a program for recruiting staff involved in sales and marketing for Sony Interactive Entertainment Inc., Sony Network Communications Inc., and companies in the Sony Music Group.
Electronics (USA)	Sony operates the "Develop U" portal site that offers employees content designed to facilitate personal career growth and skills development.
Electronics (Canada)	Sony offers online training programs encompassing job competency and related areas. During performance reviews, supervisors and subordinates discuss competencies that require development and training programs necessary to achieve these goals. These programs support employee career development.

The "Search" web portal at Sony Corporation provides support for human resources development and career building.

Communication

Employee communication is very important at Sony. Communication forms the basis for a good corporate culture, allowing each party to build mutual trust and developing an environment that reduces the potential for harassment to occur. With the aim of maintaining a healthy work environment and facilitating the smooth execution of business operations, Sony works to encourage active communication.

Facilitating Dynamic Communication

Global Employee Survey

Updated on September 7, 2016

Facilitating Dynamic Communication

Communication between Top Management and Employees

Sony sees communication between top management, including the CEO, and employees as vitally important. Through the corporate intranet, information is provided on progress made in the Group's businesses, and communications are exchanged via e-mail and other media. Sony also works to create many other opportunities for direct dialogue between top management and employees. For example, Sony management holds regular informal gatherings and town hall meetings with employees, which cover a wide variety of themes, from technology to management. By sharing opinions from both perspectives, not only do employees gain a closer affinity with management, but the views of employees can also be used to enhance the quality of management. In particular, CEO Kazuo Hirai places a very strong focus on these opportunities and frequently visits Sony Group operations worldwide to communicate directly with employees.

Principal Venues for Communication between Top Management and Employees

	Town hall meetings are held on a quarterly basis, and
	these are broadcast via the Web so that employees gain a
Electronics	better understanding of management policies.
(USA)	Management and general employees each have a blog
	through which opinions can be shared, facilitating
	reciprocal communication.

Financial Services	The president, vice president and directors responsible for specific functions hold luncheon meetings, and when employees formally join the company the president holds separate interviews with each new employee. These programs reflect the importance of communication between management and general employees.
Movie Business	 Morning coffee sessions are held with the CEO and about 30 employees to give them a chance to speak directly with the CEO. Sony has initiated a program to encourage discussions between its executives and members of the so-called millennial generation*, pairing them up so that the executives can learn about how young people consume media and use social media and technology, Unlike traditional mentor programs, this program gives the mentee role to the senior person, and is orientated toward mutually beneficial learning.

* Millennials is a term mainly used in the United States to refer to the generation of people in their late teens or twenties who were born between the 1980s and early 2000s.

Communication between Supervisors and Subordinates

Communication between supervisors and subordinates is also active. Each employee has the opportunity to discuss goals and review performance with his or her supervisor several times a year through regular interviews. Daily communication throughout the year increases employees' awareness and spurs growth. In addition, in the autumn each year, Sony runs a Career Month during which supervisors listen to employees' own aspirations for their future career direction and then provide advice based on this dialogue.

Communication among Employees

Sony has created a "secret idea base," in which employees are able to exchange ideas freely, as well as the SAP Creative Lounge (SAP stands for Seed Acceleration Program), where Sony employees and outside users can freely exchange ideas. These spaces enable employees to organize discussions and group study sessions, test out ideas hands-on, and



freely exchange opinions beyond their own organizational units and particular specialized fields. The contacts thus made generate diverse communication, including informal discussions with colleagues that result in mutual inspiration and broaden personal networks and knowledge. There are also internal programs to harness employee ideas for the generation of new businesses.

Sony also promotes communication among group companies through a variety of programs. Since 2007, the annual Sony Futsal Cup provides the opportunity to deepen relationships across group companies through the medium of futsal—a popular five-a-side version of soccer played on an indoor or outdoor court. The tournament aims to create business chances



beyond the confines of group organizational units, and in an average year some 1,500 employees gather to take part in this large event. Several of the teams hold many practice sessions prior to the competition, and this also contributes to employee health.

Communication between Employees' Families and Workplaces

Held since 2007, Sony Family Day provides an opportunity for employees to invite their family members to their office. The special day allows the family members to better understand Sony's business and the work done by the employees by seeing the actual workplace and talking with staff. It also gives the children who visit a look at a real business in action, inspiring them for the future. Starting in 2013, live concerts featuring artists from Sony Music were also held.





Updated on September 7, 2016

Global Employee Survey

Since fiscal 2010, Sony has integrated various formerly independent Group surveys into a global employee survey. The survey is divided into such categories as Innovation, Customer Focus, Corporate Culture, and Human Resource Development. The survey enables Sony to access and analyze the views of employees across the Sony Group in a consistent manner. The response rate for this annual survey has remained around 90%, reflecting employees' high level of interest in participation. Of particular note, around 80% of employees routinely respond that they understand and identify with Sony's Values and Objectives, indicating a strong awareness that is a key Sony strength. Survey findings are used as feedback to top management. At Sony Corporation, for example, they are also used in internal workshops. Such programs address issues identified through the survey and assist in the drafting of personnel strategies, while helping to maintain organizational vitality.

The internal website used for the survey enables global best practices to be shared and promotes direct communication beyond national and regional boundaries to help improve the organization based on the survey's results.

Furthermore, Sony Corporation and its group companies in the electronics business in Japan implement a parallel survey to provide feedback from subordinates to all supervising managers regarding their leadership activities. This survey aims to facilitate a check-up of organizational management style and is part of efforts to strengthen management.

Occupational Health & Safety

Sony strives to adopt sound labor and employment practices and to maintain a healthy, safe and productive work environment.

Basic Policy and Management System

Occupational Health & Safety
Management System and Global
Initiatives

Global Workplace Injury Statistics

Helping Employees Stay Healthy

Updated on September 7, 2016

Basic Policy and Management System

In 1998, Sony enacted a Global Policy on Occupational Health and Safety (OH&S), which serves as a Group standard and reflects Sony's commitment to the health and safety of its employees. The policy not only requires compliance with countries' and regions' laws concerning OH&S, but also sets out additional activities to be undertaken through its health and safety management structure.

Sony Group Global Policy on Occupational Health & Safety

This policy applies to all Sony Group companies and organizations throughout the world.

[Philosophy]

Sony recognizes that occupational health and safety (OH&S) is an integral part of all business operations. Sony therefore secures a safe and healthy working environment for its employees,

[Policy]

- To observe all local OH&S-related laws, regulations and agreements, and to establish independent standards to improve management ability of OH&S to practice OH&S activities more than just what the laws require.
- To establish and maintain an appropriate organizational structure that clearly defines responsibility for promoting OH&S activities in all Sony Group companies and organizations.
- To perform an OH&S risk assessment to evaluate potential dangers and hazards with a proactive science based analysis in all areas of operation.
- To respect the voice of employees with the recognition that their health and safety is ensured by good communication between employer and employee.
- To conduct effective OH&S training to all Sony employees, and to exchange information with outside companies performing services on Sony locations in order to secure OH&S.
- 6. To undertake internal promotion and information activities to enhance safety awareness.
- 7. To undertake periodic OH&S audits and endeavor to improve the OH&S management system.
- 8. To participate in public OH&S activities of both government and the local community.
- 9. To develop and introduce new methods and technologies for protecting the OH&S of employees.
- To invest relevant capital in enforcing this policy, and to undertake continuous improvement of the OH&S management system.

Kazuo Hirai

President and CEO

Representative Corporate Executive Officer

Senv Corporation



Human Resources

Updated on September 7, 2016

Occupational Health & Safety Management System and Global Initiatives

Establishing an OH&S Management System

Based on the OHSAS 18001 occupational health and safety standards, and guided by its own Global Policy on occupational health and safety (OH&S), Sony is working to establish a proprietary OH&S management system for each of its sites around the world. Sony is also continuing to work to ensure compliance with national and regional laws concerning OH&S, as well as to achieve its own voluntary targets.

Sony is acquiring OHSAS 18001 certification for all manufacturing sites in China and Pan-Asia that have been requested to do so by their clients.

Common Global Programs

Global Management Structure

The Sony Group recognizes the health and safety of employees as a top management priority, and all group companies manage relevant programs under a single structure. Furthermore, to promote global OH&S programs, Sony has established regional safety offices and appointed regional safety officers, and carries out programs across regions. Management reviews are also conducted for managers each year based on reports covering relevant information in each region, including the OH&S programs, related audits, and occupational accidents.



- *3 Europe, Turkey, Israel, Russia and former Soviet Union countries
- *4 Japan, Taiwan and South Korea
- *5 Mainland China and Hong Kong
- *6 Asia excluding the above (including Mongolia), Middle East, Oceania and Africa

Sony Group OH&S Vision

Under a philosophy of "placing the highest priority on employee health and safety," Sony has formulated the Sony Group OH&S "Vision Zero" with the ultimate objective of ensuring zero occupational accidents and zero illnesses.

Sony Group Global Policy on Occupational Health & Safety: Philosophy

Sony recognizes that occupational health and safety (OH&S) is an integral part of all business operations. Sony therefore secures a safe and healthy working environment for its employees.



Sony Group OH&S "Vision Zero"
Sony dose not tolerate occupational accidents and has set an ultimate goal of zero accidents and zero illness.

Japan

Guided by its Global Policy on OH&S, Sony is working to establish a proprietary OH&S management system with standards that are based on the OHSAS 18001 occupational health and safety standards and is promoting a variety of OH&S initiatives. A particularly distinctive feature of this system is that it addresses OH&S from a comprehensive perspective, focusing not only on the risk of occupational accidents at Sony sites but also on risks to sites associated with earthquake

damage, fire and site security. Sony has also established an internal audit system for OH&S-related initiatives conducted at sites and conducts corporate audits separately on a regular basis. This enables it to assess the level of initiatives at principal domestic locations, as well as make improvements on a continuous basis.

Priority Measures in Japan

Sony is working to achieve its Vision Zero goals by pursuing initiatives under a common set of priority measures in Japan to assess risks and enhance employee wellness.

Monitoring Legal and Regulatory Trends

To keep abreast of legal and regulatory trends in Japan in the area of OH&S, in-house specialist staff members have developed and regularly update a database of related information and are charged with determining whether changes to laws and regulations apply to Sony sites. Sony has also created a framework for providing support to sites affected by such changes through the dissemination of up-to-date information, and enforces strict compliance standards at all work sites. Sony also includes information on legal and regulatory matters in the OH&S newsletter it publishes for Group companies in Japan, with the aim of enhancing employees' level of compliance awareness.

North America (Electronics)

Wellness

In North America, Sony has continued the wellness program that covers employees and their spouses/domestic partners who are eligible for the Sony Healthcare Program. The objective of this program is to help employees and their spouses/domestic partners live healthy, active lives. Participants have access to health risk assessments, biometric screening, telephone counseling with a healthcare advisor, and other online or telephone-based programs and resources.

Among these are programs on quitting smoking, weight loss, stress management, blood pressure, diabetes, nutrition and physical activity (including programs using exercise/activity trackers). Employees can receive incentives for participation in such health-promoting programs.

Many sites continue to expand their wellness activities. Sony of Canada installed a salad bar to encourage good eating and good health for Sony employees and has local farmers' markets set up outside the cafeteria to sell fruits and vegetables to Sony employees during the summer. Sony Nuevo Laredo has added a 5-minute employee exercise program that is done twice daily and includes several different types of exercises. The program is conducted using trained leaders and a video that was made with the assistance of the government safety and health organization.

This year Sony DADC-Bolingbrook is promoting a Get Fit Challenge at the Bolingbrook location to promote a healthy living lifestyle. Employees that participated were provided entry to a 5K, 10K or half marathon race as well as a 6 month gym membership to any Xsport Fitness gym. Employees chose the race of their liking to participate in from May 2016 to September 2016. Employees had access to attend group workout classes at multiple locations, received one personal training session and were able to bring a guest with them each time they attended the gym.

With regard to influenza vaccinations, employees may receive vaccinations at either site-based clinics or a national pharmacy chain using a vaccination voucher. These are provided over a six-month period, beginning in October.

At manufacturing sites, based on job requirements, employees receive regular medical exams and, where appropriate, industrial hygiene surveys are conducted.

Risk Control Audits and Recommendations

Corporate Environmental, Safety & Health (ESH) and Fire & Life Safety audits are conducted on an ongoing basis at nearly all Sony sites in North America. Internal inspections are conducted as well as audits by insurance companies and brokers.

The objective of the internal inspections is to assess facility areas overall from an ESH and housekeeping standpoint. This ensures that potential risks are identified and any other items needing attention are addressed in a timely fashion. The inspections are conducted by trained employees serving on on-site safety committees or work teams. The frequency of internal audits varies among sites, from monthly to semi-annually. The audits performed by the insurance companies or brokers are generally classified into one of the following three categories:

- 1. Identifying and addressing fire safety risks within a location;
- 2. Thermographic analysis of a site's electrical systems; and
- 3. Ergonomic assessment of workstations in both production and office areas. For each category, recommendations for improving the current status of the site are provided, as needed.

In addition, in compliance with Sony Corporate guidelines, job risk assessments are under review to ensure that they are all up-to-date and still reflect the job being performed. Both routine and non-routine jobs are included in this review.

Chemical Safety Information

Each Sony site in the U.S. has a revised written Hazard Communication Program for chemicals in place, including information on Safety Data Sheets (SDS), labelling and training. The revisions are based on the changes to the U.S. Hazard Communication OSHA Standard to bring it closely in line with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Employees in the U.S. with exposure to potentially hazardous materials received additional training. New chemical labels and SDS required by the revisions are being introduced into the workplace as they are received. Operations in Canada will undergo similar changes to the national Workplace Hazardous Materials Information System (WHMIS) standard as well, starting this year. In addition, all applicable sites are following procedures for controlling and eliminating specified chemical substances from the product supply chain, as defined by Sony's environmental rules.

AED Program

Many Sony sites in North America have installed automated external defibrillators (AEDs) that can be used in the event of ventricular fibrillation and ventricular tachycardia. Sony Corporation of America implemented a program to place at least one AED Unit at every site that comes under the SCA umbrella. Employees at each site are trained and certified in first aid and cardiopulmonary resuscitation (CPR), in addition to their training in the operation of the AED. Monthly inspections of AEDs are conducted to ensure that they will be ready for use in case of emergencies.

Latin America(Brazil)

Sony Brasil Ltda., in its plant in Manaus, with manufacturing activities, has sought continuous improvement in its OH&S risk reduction program, in order to improve behaviors, enhancing employees' safety awareness and the prevention of accidents.

Many activities and campaigns have been developed, as follows:

Sensitizing and Preventing: Occupational Accident Prevention Week-SIPAT

Aiming to promote preventive actions for the awareness and commitment of employees with an OH&S risk reduction program, SIPAT, through lectures, competitions, raffles, theater and motivational activities (all subjects linked to the labor environment), instructs employees about the importance of prevention of occupational accidents and occupational illnesses. Creating a vigilant attitude among employees against situations of risk, the campaign happens once per year.

Internal Committee for Accident Prevention-CIPA

In order to prevent labor accidents and/or illnesses, Sony Brasil, based on Federal Normative Instruction number 05 issued by the Ministry of Labor in Brazil, performs elections for its Internal Committee to assist OH&S professionals in preventive actions, labor risk assessment and others.

Additionally, there other activities performed by OH&S group:

Program of Risk Prevention:

A program to identify, assess and control the environmental risks in the SBR labor environment, in order to preserve healthy conditions.

Emergency Response Plan Training:
 Training for quick response in emergency first aid, firefighting, etc.





• Ergonomic analyses of workstations:

Through an ergonomic program, constant monitoring has been performed in order to avoid occupational illness. Breaks during the workday were implemented, allowing a reduction in the negative impacts of fatigue.

Europe

OH&S Risk Reduction Program

Sony sites in Europe have identified OH&S management as a top priority and have implemented an OH&S risk reduction program since 2004 that aims to lower OH&S risk by reducing occupational accidents and advancing the health and well-being of employees. This program is based on three main pillars:

- 1. risk assessment;
- 2. mandatory OH&S training for all employees; and
- 3. accident/incident investigation and follow-up.

The program also sets annual numerical targets for decreasing the number of workplace injuries and related lost working days. Based on the results of risk management initiatives and a systematic analysis of regional occupational accident data, each site formulates measures aimed at improving its performance. These efforts are assessed through performance reviews, which are conducted quarterly. Program implementation and performance is reviewed by senior management at annual European management review meetings. Sony Europe is committed to ensuring the safety of Sony workplaces in Europe through a variety of OH&S programs.

Health Promotion

In addition to risk management initiatives to reduce occupational incidents, Sony sites in Europe have been focusing also on health promotion. The aim of supporting employee health management is to promote better health and improve employee motivation, but also to provide guidance and raise awareness about this topic.

One Fit at Sony DADC

Sony DADC has started an occupational health provision program called the "One Fit" program with the aims of improving the work environment and increasing job satisfaction. The program will focus on strengthening employees' health, improving motivation, reducing workloads and increasing health-enhancing activities. This will be achieved by increasing employee fitness and creating health awareness. The One Fit program will result in improving employees health and commitment and consequently in improving work quality and in developing competences amongst Sony workforce. Sony strongly believes that investing in occupational safety always pays off as it results in healthy employees, compliance and cost reduction.

The UK Flame Award 2015

Sony UK Technology Centre has been awarded for its outstanding achievement in Employee Wellbeing by the UK Flame Award 2015.

The Sony UK Technology Centre organizes a number of activities ranging from blood pressure checks to flu vaccination which aim at enhancing employee performance through investing in a healthy workforce. With an on-site gym, the site organizes fitness classes and personal training for its employees. Other activities include a no-smoking campaign and the "wellbeing lunch week".

Pan-Asia

Sony's Pan-Asia sites employ individuals from a wide range of nationalities and cultural backgrounds. A key objective of OH&S activities in the region is to raise awareness of safety issues through training and education. Different types of events, which are intended to enhance and raise safety awareness, are held by Sony Group companies across the Pan-Asia region. In fiscal 2015, the Sony Group companies in Singapore organized a week-long workplace safety & health exhibition at two sites. During the exhibition, employees were encouraged to make "Vision Zero" pledges. Meanwhile, Sony Technology (Thailand) Co., Ltd. organized various kinds of health promotion activities for a month such as blood donation and education on diseases such as tuberculosis and influenza. In addition, both Penang Tec of Sony EMCS (Malaysia) Sdn. Bhd. and Sony Technology (Thailand) Co., Ltd. also introduced safe driving activities in this fiscal year.





Exhibitions at Sony Group Companies in Singapore



"Vision Zero" Pledge Card







Health promotion activities at Sony Technology (Thailand)



Safe driving activities at Sony Technology (Thailand)



Road Safety Campaign at Penang Tec of Sony EMCS (Malaysia)

China

Sony manufacturing sites in China play a crucial role in the manufacturing activities of the Sony Group. Sony actively leverages the collective knowledge and experience of the Sony Group to pursue initiatives designed to secure and maintain the wellness of employees and safety on the production floor.

Specifically, manufacturing sites in China operate a unified occupational health and safety management system used throughout the Sony Group under OHSAS 18001, driven by an occupational health and safety (OH&S) committee that involves OH&S managers from all manufacturing sites. Sony's China Regional Safety Office works in a supervisory role with each manufacturing site to establish governance and the operational framework for OH&S.

In fiscal 2014, Sony spearheaded the development of hazard maps to identify specific risks in manufacturing processes. In fiscal 2015, Sony carried out a review of the existing risk assessment methodology that is used to correctly identify and address risks at all manufacturing sites, and conducted training in the methodology. In fiscal 2016, Sony will conduct risk assessments using the training knowledge, and take steps to further enhance safety on the production floor.

China has a high rate of traffic accidents, reflecting a sharp increase in the number of vehicles on the road as a result of economic growth. In an effort to reduce traffic accidents affecting Sony employees who commute by car or electric scooters, Sony launched a safety education program for cars and electric scooters in fiscal 2014. To further reinforce these education efforts, Sony developed a safety pamphlet for electric scooters in 2015, which is distributed to employees.

On March 1, 2016, Sony made organizational changes to strengthen regional management and autonomy for its Chinese operations. These changes will further energize OH&S initiatives, helping to achieve the Sony Group's Vision Zero goal for OHS.

(Pamphlet for electric scooter safety education and seminar)





SPE

Global

- SPE has expanded the capability of its emergency notification system Everbridge. All SPE employees are enrolled and the system is being integrated into the evacuation drill protocol. The increased communication capability will allow the company to inform employees quickly in emergency situations and will provide the ability to query employees to ensure they are safe.
- The OH&S team consistently conducts outreach to offices through OHS awareness sessions, safety compliance consultations and by providing ergonomic assistance to employees.
- SPE compiled injury data from all worldwide offices larger than 25 employees
 for the first time in 2016. The information gathered will help determine where to
 focus future efforts in order to improve safety and wellness for all employees
 throughout the globe. The effort will be expanded to all offices next year.

North America

- In the last 12 months, 2500 sit/stand desks have been installed, or ordered for installation, for various facilities throughout North America. This includes the nearly completed 8-story Akio Morita building at Sony Pictures Studios, and offices in New York and Vancouver. These sit/stand ergonomic tools and the associated training information will improve the health of employees by allowing them to adjust their working position throughout the day.
- A revised Injury and Illness Prevention Policy (IIPP) for all USA motion picture and TV productions is now complete.

EMEA

- SPE has established a Regional Crisis Response Team and is processing Crisis Response Plans for EMEA office locations.
- SPE placed AEDs throughout its Golden Square offices to meet required 2
 minute call to shock time, and additional devices were purchased for placement
 in other London Offices.
- A standardized UK Safety Policy for motion picture and TV productions has been drafted and will be available to existing and new productions.

Asia Pacific

- SPE has established a Regional Crisis Team and has completed documentation of Crisis Response Plans and Emergency Procedures for key offices in the region.
- OSH Awareness Sessions were held (Japan, Thailand, Singapore, Philippines offices)
- Consultations on OSH legal and regulatory compliance were held (Japan, Thailand, Singapore, Philippines, Taiwan SPE offices)

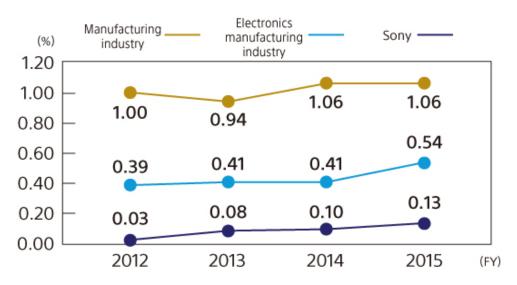
Human Resources

Updated on September 7, 2016

Global Workplace Injury Statistics

Since fiscal 2001, Sony has employed a data collection system to gather annual occupational health and safety data in the countries and regions in which it has operations. Sony analyzes these statistics to gain an understanding of circumstances and trends in terms of country/region, accident, injury/illness, cause, and the related practices of Sony Group companies, in order to help prevent recurrences.

Workplace Accident Frequency Rates*1



*1 Figures for Sony refer to the frequency rate of accidents causing one or more days of absence from work at the Sony Group's manufacturing and logistics sites in Japan. Figures for the manufacturing industry and the electronics manufacturing industry are based on Fiscal 2015 Survey on Industrial Accidents published by the Ministry of Health, Labour and Welfare of Japan.

Workplace Accident Statistics in Japan

	2012	2013	2014	2015
Number of accidents	28	32	23	35
Number of accidents causing absence from work	1	5	3	4
Number of lost workdays	3	96	122	150
Number of man-days idle	2	79	101	123
Frequency rate of accidents causing absence from work	0.032	0.088	0.103	0.138
Accident severity rate	0.000	0.001	0.004	0.005
Number of deaths	0	0	0	0

Scope of data: 33 sites (excluding non-manufacturing sites)

Reference:

Comparative Statistics for Fiscal 2015

Average frequency rate in Japan: 1.61 for all industries, 1.06 for all manufacturing industries, 0.54 for the electronics manufacturing industry

Average severity rate in Japan: 0.07 for all industries, 0.06 for all manufacturing industries, 0.02 for the electronics manufacturing industry.

Source: Fiscal 2015 survey on workplace accident trends (Ministry of Health, Labour and Welfare of Japan)

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Workplace Accident Statistics outside Japan

	2012	2013	2014	2015
Number of accidents	380	378	377	127
Number of accidents causing absence from work	122	156	120	83
Number of lost workdays	2,654	2,671	1,518	1,143
Frequency rate of accidents causing absence from work	0.826	1.153	1.109	0.690
Workplace accident severity rate	0.017	0.019	0.014	0.009
Number of deaths	0	0	0	0

Scope of data: 32 sites (excluding non-manufacturing sites)

Formulas:

Frequency rate of accidents causing absence from work = Number of accidents causing one or more days of absence from work \div total number of man-hours worked \times 1,000,000

Accident severity rate: Number of lost workdays ÷ total number of man-hours worked × 1,000

Human Resources

Updated on September 7, 2016

Helping Employees Stay Healthy

Sony's Health Management System

Sony aims to create a workplace environment that is enjoyable and dynamic for all employees, recognizing that this is vital for both the business and the people who drive it. To promote such an environment, it is vital to maintain conditions that enable each employee to work with a sound body and mind far into the future.

In cooperation with Sony Group companies, Sony Corporation's occupational health department carries out a wide range of activities aimed at promoting the health of employees worldwide. These include offering regular health counseling sessions, posting health information on the Internet, and encouraging daily exercise.

Measures to prevent lifestyle diseases, limit excessive overtime, and promote mental health have become more important than ever in recent years, as work becomes more complex, evolves with organizational changes, and features an increasingly diverse array of tasks. To address these challenges, Sony offers occupational health counseling to employees who work long hours, depending on their individual circumstances, and provides key workplace managers with training designed to prevent mental illness and quickly identify signs of mental health problems. Sony has also established in-house and outsourced physical and mental health counseling services for employees so that they can discuss any type of concern or problem, include work-related issues, with professionals in a relevant field.

Promoting Mental Health

Along with its activities to promote employees' health and manage related risks, Sony implements comprehensive mental health support measures with the aim of helping employees demonstrate their full potential. Sony makes its health counseling services known to employees via email and its internal website, offering them access to counseling in face-to-face sessions or by telephone or email. Employees can receive health counseling from Sony's staff of professionals, seek guidance from managers and human resources personnel, as well as obtain referrals to medical specialists and related information when needed.

Sony provides a mental health training program for various levels of employees and management, including new employees, newly promoted section chiefs, and general managers. In addition, all employees receive training on personal healthcare. The Group has already introduced the Stress Check System, which was required by a law enforced in December 2015. Sony's human resources department and occupational health department, for example, will work together to provide the support for stress management when necessary, utilizing the results of workplace stress checks and various other methods.

In addition, Sony has put a program in place to help employees return to work after taking a leave of absence. In cooperation with an outsourced employee assistance program, Sony offers such employees assistance with readapting to the workplace according to their individual circumstances. Sony also has a mental health program for helping employees cope with unforeseen accidents or disasters, such as a major earthquake. Implemented whenever necessary, the program provides such employees and their families with the assistance they need.

Preventing Overwork

As part of its efforts to ensure that overtime work does not negatively affect the health of employees, Sony has been implementing a health consultation program for employees who work long hours since April 2004. This initiative followed a

report issued in 2001 by Japan's Ministry of Health, Labour and Welfare on criteria for determining cerebrovascular disease and ischemic heart disease, which indicated a relationship between overtime work and health problems. The ministry then issued comprehensive guidelines for preventing health problems caused by excessive work in February 2002, and the guidelines were incorporated into law in April 2006. Accordingly, companies in Japan have taken measures to comply with the law. In addition, on the basis of Japan's Act on the Promotion of Measures to Prevent Death from Overwork, etc., which entered into force in November 2014, Japan's Cabinet adopted the Framework on Measures to Prevent Death from Overwork, etc. on July 24, 2015. These and other measures have added a note of extra urgency, regarding the need to take stronger steps to address the problem of prolonged work.

Against this backdrop, Sony has been providing counseling to employees who regularly work overtime and conducting surveys to determine their stress levels.

Preventing Lifestyle Diseases and Promoting Good Health

Preventing lifestyle diseases caused by irregular eating habits, lack of exercise, and other factors is a major challenge for employees working at companies. Sony makes sure that employees undergo various types of medical checkups in accordance with relevant laws in Japan, and then receive personal health advice based on the checkup results, as well as support for visiting specialists at medical institutions if needed. Sony also focuses on counseling and advice on dealing with metabolic syndrome, per Japan's mandated health guidance system.

Helping Employees Quit Smoking

Sony actively promotes campaigns for encouraging employees group-wide to give up smoking. Sony limits smoking at worksites to designated areas, and has been gradually reducing the number of smoking rooms, removing cigarette vending machines, and prohibiting the sale of cigarettes on its premises. Meanwhile, Sony encourages its occupational health staff to speak specifically with employees

about quitting when giving health guidance. These initiatives have led to a steady decline in the employee smoking rate, which has fallen below 14% at Sony Corporation.

Responding to Infectious Diseases

With today's increasing globalization, it is becoming easier than ever for infectious diseases to spread. In recognition of these circumstances, Sony asks its employees to receive vaccinations when necessary if they work in or travel on business to countries at risk. Sony provides safety bulletins and information on infectious diseases on its website for employees taking business trips to keep them aware of risks, and limits business travel as a safety precaution depending on the circumstances. In Japan, if there is an outbreak of a new strain of influenza, tuberculosis, or other illness, Sony cooperates with the government and sets up emergency response teams at each of its divisions in order to respond flexibly while staying ready to implement business continuity plans.

Health Management for Employees Transferred Overseas

At present, Sony employees and their family members from Japan are stationed in 38 countries worldwide. This is why Sony has established a health management system that ensures that staff transferred abroad or traveling on business can work in safety and good health when they change workplaces. Under the system, these employees and their family members receive medical checkups before leaving Japan, after returning to Japan, and when visiting Japan each year. Sony has set specific items for health checkups for staff transferred abroad, which are more thorough and comprehensive than legally mandated standards. Like employees in Japan, employees transferred abroad receive follow-up support after medical examinations as a means for helping maintain their health on a regular basis. They also take healthcare training before traveling abroad, receive vaccinations, and are provided with information on medical facilities in the areas where they will work if they require ongoing medical treatment. Sony has put measures in place for raising awareness of personal health management, including preventative medicine and risk assessments.

Human Resources

Updated on September 7, 2016

External Evaluation

Sony Corporation was awarded the highest level of "Eruboshi" certification by Japan's Minister of Health, Labour and Welfare in recognition of its outstanding performance in promoting women's interests. This recognition was granted because Sony was found to satisfy all five criteria set out in the Act on Promotion of Women's Participation and Advancement in the Workplace: (1) hiring; (2) continuous employment; (3) work hours and other working conditions; (4) women's share of management positions; and (5) diversity in career path options.



The "Eruboshi" certification mark (three stars)

Moreover, the Nikkei NICES corporate ranking named Sony the best company in Japan for women to work for in both 2014 and 2015; Nikkei Woman magazine's list of the "100 Best Companies Where Women Play an Active Part" ranked Sony as the best employer for women in the "electronics / machinery / automobile" category; and Sony Taiyo Corporation was publicly recognized by the Minister of Health, Labour and Welfare as an "Excellent Workplace for Persons with Disabilities." In these and other ways, Sony has won well-deserved praise for its diversity efforts. Moving forward, Sony will continue working in line with its Diversity Policy to build a work environment where employees will all be able to fully demonstrate their individuality and abilities, and women can play major, meaningful roles.



External Evaluation of the Sony Group in Each Country and Region

Main Sony Group Programs to Promote Career Development of Individuals with Disabilities around the World

Examples of Measures to Promote Diversity in the Sony Group around the World

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Management Approach

Materiality Rationale

In recent years, stakeholders have grown increasingly aware of how crucial it is that companies fulfill their overall responsibilities throughout their supply chains, including procurement and production. Sony takes these stakeholder concerns seriously and is working closely with its suppliers on initiatives in fields such as human rights, labor conditions, health and safety, and environmental protection. These initiatives cover not only Sony's own sites, but sites throughout the supply chain-from parts and material suppliers, to mineral mining operations, to production sites operated both by Sony and by subcontractors.

Basic Approach

The foundation of Sony's efforts to build a responsible supply chain is the compliance of each and every director, executive, and employee with the Sony Group Code of Conduct and ethical business practices. Based on this approach, Sony focuses on supply chain management and responsible procurement of raw materials and works with suppliers and subcontractors to establish a responsible supply chain that ensures compliance with the Sony Supply Chain Code of Conduct. These efforts are undertaken in collaboration with relevant industry organizations and other stakeholders.

Structure

At Sony, the CSR and Compliance groups at the head office, and the Compliance and Procurement groups at Sony Global Manufacturing & Operations Corporation

(SGMO), take the lead in promoting responsible sourcing activities in cooperation with other related head office divisions, business groups and relevant functions at manufacturing sites.

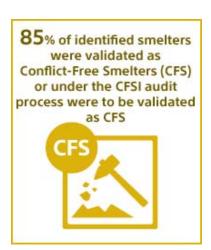
Main Achievements in Fiscal 2015

Here are the main results of fiscal 2015 initiatives:

- Sony established the Sony Supply Chain Code of Conduct, adopting the EICC Code of Conduct to govern manufacturing processes at both Sony's own electronics manufacturing sites and those of its suppliers.
- Sony conducted regular assessments of its own manufacturing sites and those of its suppliers.
- Sony implemented an annual survey of use in relation to the four designated minerals under US law on conflict minerals.
- Sony required suppliers' continual compliance with the Sony Group Conflict Minerals Policy.







- Established the Sony Supply Chain Code of Conduct
- Assessments conducted at 20 electronics manufacturing sites at Sony and 260 suppliers
- 85% of identified smelters were validated as Conflict-Free Smelters (CFS) or under the CFSI audit process were to be validated as CFS

Looking to the Future

In order to further strengthen efforts to establish a responsible supply chain, Sony will expand assessments of its own sites and its suppliers, for example by having primary suppliers request secondary suppliers to comply with the Sony Supply Chain Code of Conduct. Sony remains committed to ongoing efforts to raise awareness, educate, and provide training in order to focus the attention and boost the capacity of Sony employees-likewise for supplier employees engaged in the supply chain-to respond effectively to responsible supply chain issues.

Activity Reports

Supply C	hain
Managei	ment

Supply Chain Management Home

Establishing and Promoting the Sony Supply Chain Code of Conduct

Initiatives at Sony Electronics Manufacturing Sites

Sony's Approach to Supplier Relations

Working with Industry Groups and Other Stakeholders

Responsible Sourcing of Raw Materials Responsible Sourcing of Raw Materials Home

Addressing the Issue of Conflict Minerals

Environmentally Responsible Procurement of Raw Materials

Responsible Supply Chain

Updated on September 7, 2016

Supply Chain Management

Sony supply chain management focuses not only on its own production sites, but also on those of suppliers and subcontractors.

Establishing and Promoting the Sony Supply Chain Code of Conduct

Initiatives at Sony Electronics
Manufacturing Sites

Sony's Approach to Supplier Relations

Working with Industry Groups and Other Stakeholders

Responsible Supply Chain

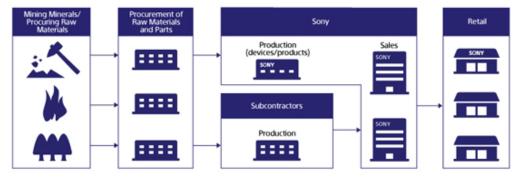
Updated on September 7, 2016

Establishing and Promoting the Sony Supply Chain Code of Conduct

Basic Approach

Sony recognizes the increasing importance of global companies' responsibility to manage their supply chains responsibly as diligent members of society and is taking a variety of steps to structure a responsible supply chain. Sony works with its suppliers to address issues such as human rights, labor conditions, health and safety, and environmental protection throughout its supply chain.

Basic Structure of the Supply Chain



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Establishing the Sony Supply Chain Code of Conduct

In recent years, stakeholders have become increasingly concerned about manufacturers' responsibilities in relation to the product supply chain, including issues related to human rights, labor conditions, health and safety, and environmental protection, not only at their own production sites, but also at the production sites of subcontractors and parts suppliers. Conduct at Sony production sites is guided by the code issued by the Electronic Industry Citizenship Coalition (EICC), a CSR alliance for the electronics industry which Sony joined when the alliance was established in 2004. All Sony electronics manufacturing sites are involved in ongoing efforts to ensure compliance with the EICC Code of Conduct, which represents industry best practices. Recognizing that parts suppliers, subcontractors in design and production, and other partner firms are all involved in the production of Sony products, and seeing the need to address these issues within a framework that meets Sony's standards, in 2005 Sony established the Sony Supplier Code of Conduct, based on the EICC Code of Conduct.

To enhance its CSR management in the supply chain, in January 2016 Sony established the Sony Supply Chain Code of Conduct. This code adopts the EICC Code of Conduct to govern manufacturing processes at both Sony's own electronics manufacturing sites and those of its suppliers.

As part of the requirements under this Code of Conduct, Sony asks that its suppliers comply with items required in its Green Partner Environmental Quality Approval Program and the Sony Group Conflict Minerals Policy.

Sony Supply Chain Code of Conduct

Sony's Structure for Promoting Supply Chain Management

At Sony, CSR and Compliance groups at the head office, and the Compliance and Procurement groups at Sony Global Manufacturing & Operations Corporation (SGMO), take the lead in promoting responsible sourcing activities in cooperation with other related head office divisions, business groups and relevant functions at manufacturing sites. The Sony CSR group at the head office communicates with external stakeholders to monitor trends and best practices, drawing on both to formulate basic company-wide supply chain management policy. With guidance from the Corporate Executive Officer in charge of Production and Procurement, the Representative Director and President of SGMO is responsible for the implementation of the policy, which is operated by the Compliance and Procurement groups of SGMO serving as the Administrative Office. The Administrative Office is responsible for the general execution of the Operational Rules for the Sony Supply Chain Code of Conduct, which includes ensuring compliance with the Code at electronics manufacturing sites both at Sony and its suppliers, conducting risk assessments and regular monitoring, and implementing necessary improvements. The office is also working to provide training opportunities to build the capacity of those involved with Sony and its suppliers.

In cases where assessments or external sources indicate any possibility of violations of the Sony Supply Chain Code of Conduct or a material legal violation, or in cases where the supplier does not provide adequate cooperation with assessments and audits, the person in charge works together with the CSR and Compliance groups at the head office to determine the facts and take action deemed necessary, and the situation is immediately reported to the Corporate Executive Officer in charge of Production and Procurement.

Responsible Supply Chain

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Initiatives at Sony Electronics Manufacturing Sites

Conducting Regular Assessments

Sony has introduced the EICC framework, including tools for measuring compliance with its standards, to its production plants and implements regular assessments and monitoring to check on compliance and make improvements. Specifically, Sony utilizes the EICC questionnaire as an annual CSR self-assessment survey at all of its electronics manufacturing sites in and outside of Japan as part of its efforts to ascertain compliance with the Sony Supply Chain Code of Conduct. The self-assessment evaluates compliance in five categories designated by the EICC Code of Conduct: labor, health and safety, ethics, environment, and management systems. At manufacturing sites where self-assessment surveys indicate issues with compliance, and further evaluation and improvement in these areas are deemed necessary, the site is audited to develop the appropriate measures to improve compliance. These measures are implemented and, when necessary, an EICC audit is conducted of the site. In fiscal 2015, 20 manufacturing sites in Japan, China, Korea, Singapore, Thailand, Malaysia, UK, Mexico and Brazil completed self-assessment surveys. The survey did not identify any areas of major non-compliance with Sony standards. In cases where any possibility of violations of the Sony Supply Chain Code of Conduct is reported by external sources, such as NGOs or media reports, the manufacturing site in question determines the facts of the case. If this determination confirms the reported violations, Sony ensures that appropriate action is immediately taken, including an EICC audit conducted by a third-party auditor.

Responsible Supply Chain

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Sony's Approach to Supplier Relations

Monitoring Activities and Follow-up Measures to Ensure Compliance with the Sony Supply Chain Code of Conduct

Sony established the Sony Supply Chain Code of Conduct to ensure that suppliers understand Sony's expectations in more detail. Suppliers of products and materials to Sony are required to observe this code.

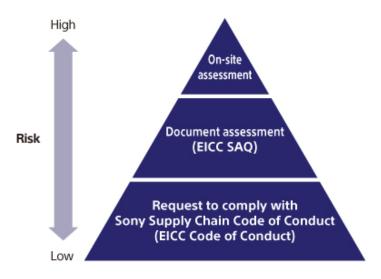
As part of its effort to ascertain supplier compliance with the Sony Supply Chain Code of Conduct, Sony conducts assessments worldwide. To this end, Sony uses the concept of risk assessment to determine risks associated with the country and region in which each supplier is based, as well as risks associated with the scale, status and nature of the supplier's business, and tailors its assessments, such as its CSR self-assessment using EICC questionnaires, to the supplier's risk level. Sony asks suppliers to assess themselves using EICC questionnaires. The assessments are repeated each year for major OEM suppliers with whom Sony does sizable business. Based on the results of these assessments, Sony evaluates the degree to which suppliers are complying with the Sony Supply Chain Code of Conduct and whether violations have occurred at each of the suppliers' factories. As part of its risk assessments, Sony conducts on-site assessments of suppliers it deems to be subject to risks in order to confirm how their factories are being managed.

For example, if suppliers employ students, Sony's internal procedures provide that Sony directly visits their factories to check whether any workers are younger than the legal age limit in that country, and to confirm whether the health and safety of younger workers are being affected by their jobs due to long working hours, working night shifts, and other factors. Likewise, if suppliers employ foreign workers, Sony's internal procedures provide that Sony confirms whether such workers are subject to forced labor, whether dormitory facilities provided to those workers meet international standards, and whether the working environment is clean and safe. By inspecting factories and providing direction in this way, Sony ensures that suppliers are making every effort to comply with CSR standards.

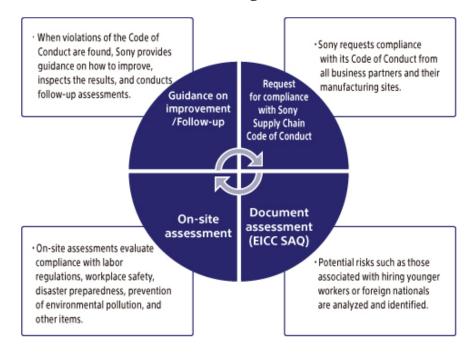
In fiscal 2015, assessments of 260 Sony suppliers were completed. Based on these assessments, five suppliers were selected for on-site assessments. Guidance was provided on how to develop improvement plans related to issues identified in these assessments and follow-up assessments were conducted until which time it was determined that improvements had been completed. Sony found that, in general, suppliers identified to be at risk tend to have issues requiring improvement in the area of labor management systems and other organizational infrastructure.

In cases where any possibility of violations of the Sony Supply Chain Code of Conduct is reported via external sources, such as NGOs or media reports, Sony cooperates with the supplier in question to confirm the facts of the case expeditiously and objectively. Specifically, Sony may request that the supplier's manufacturing site undergo a third-party EICC audit. In the event that any deficiencies are discovered, the supplier is required to develop an improvement plan, and Sony monitors the supplier's performance in the form of follow-up audits to ensure the progress of initiatives. In cases where any possibility of violations is reported at a secondary supplier, Sony works with the primary supplier to ensure that remedial action is carried out.

Risk-Based Supplier Assessment



Process of Assessment and Monitoring



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Communicating and Partnering with Suppliers

Sony provides support to suppliers in order to improve their initiatives. In Southeast Asia and China, local liaison officers assigned to communicate directly with suppliers are provided with the educational and training opportunities needed to serve as CSR specialists at local sites. These CSR specialists strive to ensure that suppliers make continuous efforts to improve management systems and other organizational structures, by communicating with them and providing direct guidance on ways to improve.

Supplier Hotline

Sony has established a Supplier Hotline which suppliers may use to report conduct by a Sony Group company executive or employee that violates laws, regulations, the Sony Group Code of Conduct, or the Sony Supply Chain Code of Conduct, as well as conduct that violates the company's agreements with suppliers. The hotline is part of a framework that Sony is focused on establishing to facilitate sharing of concrete information on cases where the conduct of a Sony Group company executive or employee has been identified to be in violation (or possible violation) of any laws, regulations, the Sony Group Code of Conduct, the Sony Supply Chain Code of Conduct or an agreement between Sony and a supplier.

What Sony Expects of Suppliers

Responsible Supply Chain

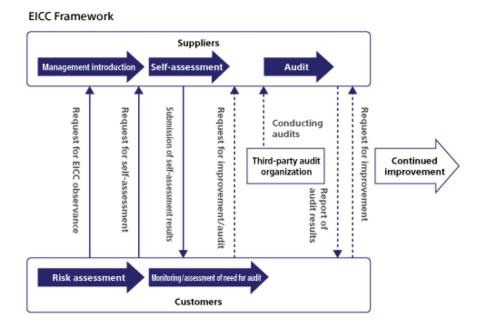
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Working with Industry Groups and Other Stakeholders

Participation in the Electronic Industry Citizenship Coalition (EICC)

Supply chains overlap considerably in the electronics industry, with multiple manufacturers of finished products sharing the same subcontractors and parts suppliers. Accordingly, there are fears that the introduction of independent, company-specific standards for socially responsible management will cause confusion and constitute a significant burden on companies in the supply chain. With the aim of improving processes in the electronics industry supply chain, Sony, as one of the member companies, participated in the establishment of the Electronic Industry Citizenship Coalition (EICC) in 2004. The EICC formulated a basic code of conduct based on industry best practices and is working to develop the tools, Web-based systems, and skills development programs for suppliers that are needed to create a framework for ensuring the code is upheld. As of March 2015, the EICC consisted of over 100 participating companies from Europe, the Americas and Asia, and members included manufacturers and OEM companies. In cooperation with the Global e-Sustainability Initiative (GeSI) Supply Chain Working Group, consisting mainly of the European telecom sector and other electronics industry organizations, the EICC is currently promoting social responsibility across the global supply chain.





Promoting Stakeholder Dialogue

Sony solicits opinions from its diverse range of stakeholders by arranging exchanges and other opportunities to communicate with NGOs, socially responsible investment groups, and other stakeholders. This feedback is a very valuable reference point for Sony's efforts to improve its supply chain.

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Responsible Sourcing of Raw Materials

Sony's stakeholders care about sustainability issues, including ethics and respect for human rights and the environment, when it comes to the sourcing of raw materials such as minerals and paper. Sony is working with its suppliers to address issues related to human rights, labor conditions, health and safety, and environmental protection at production sites, as well as in its procurement of raw materials.

Addressing the Issue of Conflict Minerals

Establishment of the Conflict Minerals Policy Hotline

Responsible Supply Chain

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Addressing the Issue of Conflict Minerals

Sony's Approach

Addressing US Law on Conflict Minerals

The Democratic Republic of the Congo (DRC) and its adjacent countries have been mired in conflict with armed groups perpetuating human rights abuses in that region. These armed groups have been trading in certain minerals commonly found in that region to finance their activities. These four minerals-columbite-tantalite, also known as coltan (tantalum), cassiterite (tin), gold and wolframite (tungsten)-are commonly found in many products, ranging from jewelry to electronics to airplane components. To the extent these minerals are found to be financing armed activities, these four minerals are commonly referred to as "conflict minerals."

Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act in the United States, which first became effective in January 2013, seeks to ensure transparency and reporting related to conflict minerals. This law requires companies that issue shares on a US stock exchange, such as Sony, to conduct an inquiry into the origin of tin, tantalum, tungsten and gold in their supply chains. If these minerals come from the DRC or its adjacent countries, or if their country of origin is uncertain, then the company must conduct a more thorough review of its supply chain in an attempt to determine whether the supplies supported armed groups in the DRC. On May 31, 2016, Sony submitted its third report to the U.S. Securities and Exchange Commission (SEC) based on its review of its supply chain activities for calendar year 2015.

Sony's report to the SEC (Form SD & Conflict Minerals Report)

Sony's Conflict Minerals Policy and Exercise of Due Diligence

It is Sony's policy to refrain from knowingly purchasing any products, components or materials that contain conflict minerals so that it can avoid contributing to conflict through its sourcing practices. (Sony's policy is available on its CSR web site, link below.) To help ensure compliance with its Conflict Minerals Policy, Sony has designed an internal due diligence framework to determine the country of origin and chain of custody for any conflict minerals in its supply chain. This due diligence framework is designed to conform, in all material respects, with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas. Sony endeavors to ensure that its products do not contain tin, tantalum, tungsten or gold from sources that benefit armed rebel groups in the DRC or the adjoining region, while at the same time making sure that it is still able to source responsibly from that region and avoid a de facto embargo, by requiring suppliers to source materials from smelters determined to be compliant with the Conflict-Free Smelter (CFS) Program* of the Conflict-Free Sourcing Initiative (CFSI), which was established by the Electronic Industry Citizenship Coalition (EICC)/Global e-Sustainability Initiative (GeSI), or other smelters that have been determined to be conflict-free smelters or determined to be conflict-free under other trusted traceability projects.

Sony Group Conflict Minerals Policy

* CFS Program: A voluntary program in which an independent third party evaluates a smelter's procurement activities and determines if the smelter has demonstrated that all the materials it processed originated from conflict-free sources

Survey and Results on Use of Four Conflict Minerals

Tungsten, tantalum, tin and gold enter global supply chains from the DRC as well as numerous other supplying countries. Determining the mine of origin for these minerals requires the cooperation of many levels of suppliers and intermediaries in the supply chain. Sony's conflict minerals program is aimed at continuous improvement of its understanding of our supply chain and risk reduction over time. Sony's expectation is to make progress in the early years of this program, and achieve increased transparency over time based on its efforts to obtain increased supplier cooperation.

Sony began exercising due diligence regarding use of tin, tantalum, tungsten and gold in selected product categories in August 2011. Sony then expanded its inquiry to the entire Group in 2013. Due diligence was exercised in the supply chain by investigating whether tin, tantalum, tungsten or gold were present in any Sony products manufactured or contracted to be manufactured during that year. If any of these minerals were determined to be necessary to the functionality or production of any products manufactured by Sony or a subcontracted manufacturer, during this period, Sony assessed the country of origin and the smelters at the product level through a supplier survey sent to all relevant suppliers, utilizing the Conflict Minerals Reporting Template of the CFSI. The smelters identified by direct suppliers were then compared against the conflict-free smelter list prepared by the CFSI, to further enhance the accuracy of Sony's findings.

In 2015, Sony identified a total of 286 smelters and refiners as potential sources of four minerals and, of those 286 smelters and refiners, 244 smelters and refiners were validated as Conflict-Free Smelters (CFS) or are now under the CFSI audit process. 37 of these CFS in the supply chain were reported to procure materials from the DRC and its adjacent countries. While the results of Sony's due diligence for the report to the SEC did not reveal that any of the tin, tantalum, tungsten or gold in Sony's electronics products was sourced from the DRC or any of its adjacent countries, nor that they financed or benefited armed groups in these countries, Sony concluded that it lacked sufficient information at this time to definitively determine the country of origin of all such minerals in its electronics products.

- * Please refer to the smelter list in the aforementioned Sony report to the SEC, which includes smelters confirmed as conflict-free through Sony's traceability program.
- "EICC® and GeSI Launch Conflict-Free Sourcing Initiative" (press release)

CFSI conflict-free smelter program and conflict-free smelter list (CFSI website)

Expectations for Sony Suppliers and Requests for Remediation

Expectations for Sony Suppliers of Tin, Tantalum Tungsten and Gold

Sony requires direct suppliers to comply with the Sony Group Conflict Minerals Policy and to fully cooperate with its due diligence efforts regarding sourcing tantalum, tungsten, tin or gold in accordance with the terms of this Policy. In addition, to ensure that products, components or materials delivered to Sony do not contain any conflict minerals, Sony expects suppliers to have in place pertinent policies, a due diligence framework and a management system consistent with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas.

Risk mitigation plan

In the event that Sony confirms that any of its products, components or materials may contain conflict minerals, Sony, in collaboration with relevant suppliers, shall take actions reasonably necessary to eliminate such minerals from such products, components or materials and shall request that the suppliers makes necessary improvement to its sourcing practices. This includes adoption of a conflict-free sourcing policy, increased responsiveness and accuracy of the supplier survey, and increased use of the four minerals sourced from smelters or refiners participating in the CFS program. Further, in the event that Sony confirms that a supplier has failed to cooperate sufficiently with a due-diligence investigation, fails to follow Sony requests for remediation or has otherwise violated this policy, Sony shall take necessary actions, including without limitation, termination of business with such supplier by stopping new orders.

As part of its efforts to help promote CFS validation for smelters, Sony also participates in the CFSI Smelter Engagement Team, urging smelters identified by supplier surveys to acquire CFS validation if they have not already been validated.

Sony has also established a hotline to allow any interested party to voice concerns regarding the circumstances of mineral extraction, trade, handling and/or export in conflict-affected and other high-risk areas. In addition to its internal risk assessments, the hotline enables Sony to be alerted to risks in its supply chain.

> Conflict Minerals Policy Hotline

Participating in Industry Groups and the Public-Private Alliance

Sony recognizes that effective change requires a joint effort and has joined in multi-stakeholder dialogue about conflict minerals with nongovernment organizations (NGOs) and peer companies. Sony actively participates in and supports industry groups and alliances that seek to identify and prevent or mitigate the adverse impact associated with mineral extraction in high-risk areas, including the EICC, and has funded a range of programs addressing this issue. The EICC was founded with the objective of addressing social and environmental issues in the electronics supply chain.

In 2011, the EICC launched the CFS Program to provide leadership to the industry in this area. With the aim of promoting collaboration with other industries and multiple stakeholders, in August 2013 the EICC/GeSI launched the CFSI. Sony utilizes the frameworks developed by the EICC, CFSI and other alliances as part of its efforts to ensure responsible sourcing of raw materials. In 2016, Sony took steps to help all smelters in its supply chain acquire CFS validation by donating funds to help support The Initial Audit Fund (a CFSI subsidy program that aims to encourage smelter participation in the CFSP by covering the expenses involved for smelters undergoing the initial audit for CFSP validation inspection).

Sony also supports and contributes to such industry initiatives as the traceability project for tin launched in 2010 by ITRI, a tin industry organization, to validate that the metals used in its products are not contributing to conflict and come from sustainable sources. In addition, Sony participates in the Public-Private Alliance for Responsible Minerals Trade (PPA), a joint effort of government, industry and civil

society organizations led by the U.S. government to support responsible mineral trade from the Great Lakes region of Central Africa. Since its establishment, the PPA has supported the creation of a pilot supply chain management system that includes certifying conflict-free mines, that is, mines that engage in responsible trade practices. The PPA also provides a platform for coordination among government, industry and civil society actors seeking to support conflict-free sourcing and self-sustaining trade from the DRC and the Great Lakes Region, and serves as a resource for companies seeking information regarding how to source responsibly.

Moreover, as part of its overall effort to achieve conflict-free supply chains, Sony promotes active, ongoing dialogue with civil society organizations, industry groups and other external stakeholders for further improvement of conflict-free sourcing practices. For example, CFSI holds workshops for discussions with NGOs, socially responsible investors, local government representatives and other stakeholders, in which Sony participates. Sony also works to support the industry initiatives of the Japan Electronics and Information Technology Industries Association (JEITA).

Sony Participates in Public-Private Alliance for Responsible Minerals Trade (PPA), a Joint Effort Led by the U.S. Government

JEITA Responds to Conflict Minerals Provision of the U.S. Dodd-Frank Wall Street Reform and Consumer Protection Act (JEITA release)



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Environmentally Responsible Procurement of Raw Materials

Managing Chemical Substances in Procurement

Given the global nature of its suppliers, Sony has led the industry by introducing its own global standards for management of certain chemical substances contained in products or parts, called Management Regulations for Environment-related Substances to be Controlled which are Included in Parts and Materials (SS-00259). To implement this standard, Sony has established the Green Partner Environmental Quality Approval Program for supplier qualification. Only suppliers that comply with Sony's standards for management of chemical substances qualify for certification as "Green Partners." By procuring parts and products only from certified suppliers, Sony realizes consistent chemical substance management globally.

Green Procurement

Assessing Greenhouse Gas Emissions over the Entire Value Chain

The recent escalation of climate change issues has prompted corporations to broaden the scope of efforts to ascertain the greenhouse gas emissions not just of their own operations but also those throughout their entire value chain.*1 Starting in fiscal 2009, Sony has conducted trials to determine emissions from its main OEM/ODM*2 suppliers to formulate a basis for ascertaining greenhouse gas emissions over the entire value chain.

- *1 Refers to the entire product life cycle process, from procurement of materials through to manufacturing, use and disposal. It includes manufacturing upstream and downstream processes.
- *2 OEM suppliers are companies that manufacture products on behalf of Sony. ODM suppliers are companies that design and manufacture products on behalf of Sony.

For more information on the topic below, click to visit the Environment section.

Assessing Greenhouse Gas Emissions over the Entire Value Chain

Supporting Sustainable Tin Mining Practices in Indonesia through an IDH Project

Reports of unsafe working conditions and environmental concerns in Indonesia's tin industry are concerning and are a major factor why Sony has been one of the members in the Sustainable Trade Initiative (IDH) Tin Working Group.

The goal of the IDH Tin Working Group (TWG) is to positively contribute to addressing the sustainability challenges of tin mining and smelting in Indonesia, while recognizing the economic benefits of the sector in terms of poverty reduction.

Members of the TWG include global tin users (downstream and midstream industry), the Electronics Industry Citizenship Coalition (EICC), the international environmental NGO Friends of the Earth, and the global tin trade association ITRI. The TWG works with local partners from the Indonesian tin industry and the Indonesian government both centrally as well as from Bangka and Belitung.

The TWG started its work in 2013, with a situational analysis conducted to better understand the issues to be addressed in the tin mining industry in Indonesia. The mission of the TWG was to develop solutions in a multi-stakeholder and inclusive way, working closely with key local industry players in 2014 and 2015. Sony will continuously support these efforts through participation in the TWG.

IDH Website

Initiatives Related to Paper Procurement

Sony recognizes that paper resources are limited and strives to reduce the amount of office paper used at sites and limit the number of pages in its product manuals.

Sony also recognizes the impact of illegal logging on biodiversity and considers it important to ensure responsible procurement of lumber and paper products. Sony takes environmental conservation into consideration when purchasing paper materials by adhering to the Sony Group Paper/Printed Material Purchasing Policy.

Sony sources paper from forests certified as responsibly managed and works not only to ensure that the paper it purchases has been produced from forests that are managed in accordance with legal requirements but also to promote the use of paper products certified by the Forest Stewardship Council (FSC), which audits forests based on a range of criteria, including sustainability and uses FSC-certified paper in its corporate printed materials, calendars and business cards.

Policy on Resources

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Management Approach

Materiality Rationale

In recent years, customers and other stakeholders have become increasingly concerned about the protection of consumer rights. Product safety, security, and accessibility are very important in this respect. Sony is expected to provide products and customer services that are high in quality from the customer's point of view.

Basic Approach

True to its Philosophy and Policy for Product Quality and Customer Services, Sony is wholeheartedly committed to improving product and service quality from the customer's point of view in order to both maintain and enhance satisfaction, confidence, and trust. In particular, Sony is working to ensure product quality and improve accessibility and usability, in the conviction that its most important goal is to remain a highly trusted partner to all customers.

Structure

Sony has configured its global quality management system by defining quality management mechanisms across all processes, from product development, planning, design, and manufacturing through sales and customer service. This has included defining the roles, responsibilities, and authority of those responsible for product and customer service quality and establishing guidelines.

Main Achievements in Fiscal 2015

Here are the main results of fiscal 2015 initiatives:

- In order to deliver customers product quality and customer service that exceed their expectations, Sony adopted a wide range of in-house rules, and abided by them scrupulously.
- In order to improve long-term reliability, Sony's Quality Reliability Lab
 developed new reliability and evaluation technologies that are well suited to
 elemental technologies, new technologies, and products.
- Information gleaned from Customer Information Centers throughout the world was collected in a single location and used to improve products and support.
- Sony analyzed customer feedback (including comments made on social networking sites) in an effort to improve quality and products.
- In order to provide customers with truly useful support and information, staff
 who deal directly with customers regularly attended training and education
 activities to familiarize themselves with new technologies and shared
 information on how to solve problems.
- Sony established a coordinated usability testing structure and environment that includes Sony sites in Japan and around the world.
- Sony conducted surveys and user interviews to assess long-term use of products and services.
- Sony presented information visually in its startup guides to make the information easier to understand.
- Sony revised the Sony Group Website Accessibility Policy.
- Enhancing accessibility and usability features on LCD TV BRAVIA™,
 PlayStation®4 and PlayStation®Vita.







Looking to the Future

Sony will continue to take the customer's point of view in order to deliver product quality and customer service that exceed customers' expectations. This is a necessary first step toward ensuring product quality and security, and preventing safety problems before they cause any harm. With these aims in mind, Sony will continue making use of its worldwide network to collect and analyze information which can then be reflected in the next releases of products and services.

Activity Reports

Philosophy and Policy for Product Quality and Services

Product Quality and Quality Management

Improving the Quality, Safety and Long-Term Reliability of Products

Responsiveness and Customer Service

Accessibility and Usability

Quality and Services

Updated on September 7, 2016

Philosophy and Policy for Product Quality and Services

Sony is wholeheartedly committed to improving product and service quality from the customer's viewpoint with the aim of maintaining and enhancing customers' satisfaction, confidence and trust. This reflects Sony's belief that our most important goal is to remain a highly trusted partner for our customers.

Philosophy and Policy

Since the start of its operations, Sony has been firmly committed across all of its businesses to providing customeroriented, high-quality products and services. This philosophy is set forth in the Founding Prospectus drafted in 1946 by Sony's co-founder, Masaru Ibuka.



The Sony Group Code of Conduct, established in May 2003, compels Sony to continuously seek technologies that enable it to comply with or exceed legally mandated standards in all business activities to ensure the safety of its products and services.

To reflect changes in its operating environment, in April 2012 Sony revamped the Sony Pledge of Quality, which lays out its basic policy on product and customer service quality. This move was aimed at reinforcing awareness of Sony's commitment to ensuring that the quality of its products and customer services exceeds the expectations of its customers around the world.

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Quality and Services

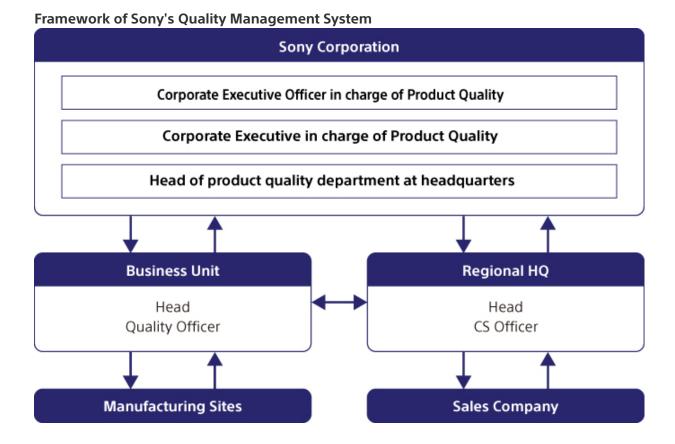
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Product Quality and Quality Management

The Sony Pledge of Quality declares our commitment: "Sony employees will always respect our customers' viewpoints in striving to deliver product quality and customer service that exceed their expectations." To this end, Sony promotes continuous, decisive efforts to enhance product quality and to reinforce its quality management system.

Sony's Quality Management System Framework

Sony has configured its quality management system by defining quality management mechanisms across all processes, from product planning, development, design and manufacturing through sales and customer service. This has included defining the roles, responsibilities and authority of those responsible for product and customer service quality and establishing guidelines.



Based on this quality management system, Sony is implementing measures on an ongoing basis to improve the quality of its products and services. Examples of such measures are given below. Sony:

- Has appointed the Corporate Executive in charge of Product Quality and has tasked this person with coordinating efforts to improve product and customer service quality and ensure timely responses to problems;
- Has appointed Quality Officers within each business unit and has tasked them
 with promoting activities to improve product quality and spearheading
 initiatives to enhance the quality of products and services in specific business
 areas under the direction and supervision of the Corporate Executive in charge
 of Product Quality and the head of the relevant business unit;

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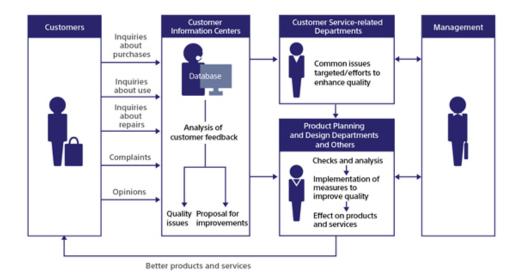
- Has appointed CS Officers to coordinate customer service departments in markets around the world where Sony products are sold and has tasked them with spearheading a network of global-level initiatives under the supervision of the Corporate Executive in charge of Product Quality and the individual in charge of the relevant regional headquarters;
- Has created a framework for promoting business unit- and region-specific initiatives to ensure Sony's products comply with pertinent laws and regulations;
- Has obtained certification under ISO 9001 for all sites manufacturing electronics products;
- Has formulated mid-term and fiscal year targets for the quality of and customer service related to Sony products, as well as key quality-related indicators for business plans, with the aim of fulfilling the Sony Pledge of Quality. Business units and regional headquarters subsequently devised their own fiscal year quality and customer service targets and business plans, in line with which they continue to promote quality improvement initiatives;
- Has held meetings of top managers responsible for quality and customer service in the electronics business to deliberate and decide on policy, targets, and key strategies related to product quality and customer service;
- Has held regular meetings of Quality Officers from business units to evaluate
 the progress of quality-oriented business plans, promote initiatives aimed at
 achieving targets, and debate specific activities and responses to qualityrelated issues and common challenges;
- Has held meetings of business unit Quality Officers and regional CS Officers to
 evaluate the progress of quality and customer service business plans and
 promote initiatives aimed at achieving targets, and to share information on
 customer service and product quality activities and common challenges,
 thereby contributing to global efforts to improve product quality and customer
 service;

- Has formulated and administers Sony quality standards applicable to Sony's electronics products and related customer services, which focus on such criteria as product safety and performance, labeling and customer services. These standards are updated continuously to reflect technological advances, changes in applicable legal and regulatory requirements, and social changes, aiming to ensure Sony's ability to deliver quality and services that exceed the expectations of customers;
- Has strengthened rules worldwide since 2006 to ensure prompt reporting to the Corporate Executive in charge of Product Quality, when Sony receives information about an incident involving a Sony product that affects customer safety or has the potential to do so. Based on the reports received, the Corporate Executive in charge of Product Quality provides the necessary follow-up and instructs the relevant divisions to investigate the incidents and respond appropriately to the customer. Since 2007, under the similar system, Sony has been addressing software security issues found in products and managing potential software security issues.

Responding to the Customer

Sony makes active use of customer feedback to improve its products and customer services. Opinions, reports of malfunctions after purchase, questions regarding use and other feedback received through Customer Information Centers are evaluated promptly and accurately and disseminated to the planning and design groups so that improvements in product quality can be made in a timely fashion, thus contributing to efforts to enhance product power.

In order to reinforce these efforts, Sony has since 2015 centralized all customer feedback received at Customer Information Centers and technical support desks around the world. This change allows for feedback to be used group-wide to improve Sony products and provide better information to customers. Sony has also begun analyzing customer feedback on social networking services (SNS), as well.



Quality Hotline

It is vital to detect product quality-related problems as early as possible. To that end, Sony established the Quality Hotline in 2003 to gather product quality-related information, including reports of problems, as well as opinions from Sony Group employees. Employees can use the Quality Hotline, an in-house website, to send messages regarding such matters as product quality issues that are too difficult to handle at their workplace, and problems with the quality of product-related customer services as perceived by customers who have made use of those services. Upon investigating a problem to ascertain the veracity of the information received, the Quality Hotline office proposes and introduces measures to prevent previous problems from recurring and precluding potential new problems.

These initiatives are closely linked to the Sony Pledge of Quality, which states that "Sony employees will always respect our customers' viewpoints in striving to deliver product quality and customer service that exceed their expectations." Since the establishment of the Quality Hotline, Sony has received a diverse range of information, including proposals to make products more user-friendly and manuals easier to understand, which has led to a great many improvements.

As these initiatives indicate, employees across the Sony Group are wholeheartedly committed to working together to improve product and service quality from the customer's perspective with the aim of maintaining and enhancing customers' satisfaction, confidence and trust.

Market Quality Improvements

Sony has established dedicated quality management organizations in each of its business areas that are responsible for improving quality for pertinent products in each market.

At Sony headquarters, information related to quality issues arising in the marketplace is gathered in a timely manner from a broad range of sources in Japan and overseas and reported weekly to headquarters quality management and technical specialists. Based on the reported information, Sony ascertains whether or not issues in the marketplace have been addressed appropriately. In addition to ensuring that such issues are thoroughly addressed, Sony is accelerating its quality improvement performance by promoting measures to prevent recurrence and proactive measures in relation to quality issues.

Responses to Quality Issues

Sony recognizes that ensuring its customers' satisfaction, confidence and trust is one of its most important management tasks and strives to prevent quality-related problems through the systems and efforts described above.

Sony responds swiftly in the event of a quality-related issue, with the relevant departments working together to investigate facts and take appropriate action on a global scale. When such an issue arises, Sony decides and implements public announcements and market action for customers, after undertaking various inspections regarding the issue, following a process common to all Sony products. This process starts with the gathering of information from Customer Service Centers worldwide and collaboration with concerned local parties to ensure an accurate grasp of the issue. Based on information collected, Sony then works to determine the correct response by identifying the cause of the issue, implementing countermeasures and promptly verifying the effectiveness thereof, and reviewing the issue from the customer's perspective. Sony also cooperates with CS Officers at sites in each region to ensure the same level of service is provided to customers the world over.

With regard to methods and media for issuing public announcements of product quality-related issues, Sony examines the effectiveness of the various means at its disposal, including the Internet, e-mail or other electronic media, as well as direct mail, newspaper advertisements or other conventional media.

For the Next Generation Copyright 2016 Sony Corporation

Quality and Services

Updated on September 7, 2016

Improving the Quality, Safety and Long-Term Reliability of Products

Improving the Quality of Products

Sony pursues design-, manufacturing- and parts-related initiatives aimed at improving product quality.

Design-related quality initiatives

In the initial stages of the design process, the individual in charge of a particular business unit verifies new technologies and new parts and, from a user's perspective, determines how a product is to be used. At the conclusion of the design process, the individual in charge confirms the degree to which the intended level of product quality, reliability and usability has been realized. In addition, to ensure our ability to provide customers with products of a quality worthy of the Sony brand, we require OEM/ODM companies and parts suppliers to comply with Group-wide quality standards. Compliance with these standards is also tested at the end of the design process. Such approaches prevent the occurrence of problems pertaining to new technologies and new product parts, while also ensuring that product designs incorporate consideration of user convenience.

Manufacturing-related quality initiatives

In its effort not to receive, manufacture or ship anything with quality-related problems, Sony adheres to a policy of workmanship at all of its manufacturing sites that ensures customers can use Sony products with confidence. Initiatives include setting important targets at each site and implementing Plan-Do-

Check-Act (PDCA) processes, thereby facilitating the achievement of such targets and the continuous improvement of product quality. Sony has also established standard product quality rules to ensure Sony products manufactured by OEM/ODM companies are of the same high quality as those manufactured at Sony production sites.

Parts-related quality initiatives

Recognizing the importance of parts and determined to manufacture products built for long-term use, Sony carefully selects key parts independently for each of its major product categories and is pursuing focused efforts aimed at increasing the reliability of the parts it uses through cooperation among relevant departments.

Improving Product Safety

Providing reliable products that customers can use safely is top priority for Sony. Accordingly, at every stage of its business activities, including product planning, development, design, manufacturing, marketing, and after-sales service, Sony takes steps to comply with safety standards based on laws and regulations while constantly striving to surpass those standards in order to maintain the safety of its products. As part of these efforts, Sony appoints managers in charge of product safety assessment from a medical perspective. When developing products employing new technologies, Sony also seeks advice on product safety from a medical perspective from outside experts in order to ensure products do not affect customer health, and this advice is then incorporated into product development, design and engineering. When deemed necessary, Sony also conducts evaluation tests to assess safety with the assistance of a specialized organization.

In addition, Sony strives to ensure that the safety-related explanations and information it provides to customers are accurate, easy to understand, and clearly presented. If a safety-related problem involving a Sony product is reported, Sony immediately collects information and examines the facts, and then takes the steps necessary to rectify the problem.

Improving the Long-Term Reliability of Products

The Quality Reliability Lab continues to enhance Sony's product reliability, thereby ensuring Sony's ability to deliver safe, durable and reliable products to customers. Sony has assigned specialists to work full time on improving technologies essential to product reliability and continues working to ensure the long-term reliability of its products by developing elemental technologies for preventing the deterioration, wear and corrosion of materials and parts, as well as technologies necessary to ensure the reliability of new technologies and products and to evaluate such technologies and products.

The reliability and evaluation techniques, and the information obtained through these activities, are utilized to improve design and parts selection processes. Sony also presents some of its own knowledge on evaluation techniques at academic meetings and industry conferences and gatherings, seeking to go beyond its own walls and contribute to the industry.

Efforts to Improve Quality of Security of Products

Increases in the network products have heightened the danger of, among others, personal information leaks and the falsification or destruction of data. As a consequence, it is very important to improve the quality of the security of products and network services.

Sony has a function for collecting security risk-related information from outside experts, researchers and other individuals. Sony assigns managers responsible for the software security of products and has a dedicated department for it at headquarters. The department coordinates with business units to address issues with the security of products. Based on the information received, the department-led by these managers-assesses the impact of risk on customers from a software security perspective and implements appropriate measures.

To ensure its ability to deliver products that customers can use with confidence, Sony has also established internal guidelines pertaining to the quality of the security of products and network services and continues to implement employee training programs. In 2009, Sony began to implement security inspections prior to product shipment using a software vulnerability detection tool. Sony is also working to further fortify its efforts to improve the quality of the security of products by introducing a system that will ensure the security of products over their entire life cycle from planning and shipment to disposal.

Quality and Services

Updated on September 7, 2016

Responsiveness and Customer Service

In addition to continuously improving product quality, Sony is taking various steps to improve its responsiveness and its customer service capabilities, in line with its commitment - set forth in the Sony Pledge of Quality - "Sony employees will always respect our customers' viewpoints in striving to deliver product quality and customer service that exceed their expectations." In customer service, this includes responding to changing customer needs, and in repair services, building a structure for providing the best possible repair service quality.

System

Sony has assigned CS Officers to coordinate customer service operations in markets around the world where its products are sold. Under the guidance and supervision of the Corporate Executive in charge of Product Quality, and of regional headquarters, Sony has also introduced a set of key performance indicators, such as improvement in rate of repair completion within a predetermined period of time. With the aim of enhancing customer service quality on a global level, Sony has also established a network of bases through which it provides services tailored to the needs of local customers.

Training for Customer Support Staff

Committed to providing high-quality services to customers around the world, Sony provides ongoing training for employees and the staff of service partners. In addition to focusing on the acquisition of new service technologies and the sharing of solutions to ensure issues are swiftly and effectively addressed, staff are trained to help customers get the greatest enjoyment possible from their Sony products.

Customer Information Centers and Customer Service Improvements

Sony established its first Customer Information Center in 1963 in Japan to respond to customer inquiries. Today, Sony has Customer Information Centers worldwide, enabling it to provide prompt responses to customer needs that reflect customers' perspectives, thereby helping Sony to improve the quality of its customer service.

Sony strives to enhance customers' understanding of Sony products, software, and services, as well as to swiftly resolve any trouble a customer may encounter. To accommodate the variety of ways in which customers access information, Sony provides online user manuals that are formatted for Internet compatibility, and is enhancing its support websites for mobile phones. Sony is also reinforcing customer support information related not only to Sony products, but to software and network services, as well.

In certain regions, Sony also provides customer support via such means as live Internet chat sessions, support using social media platforms, and online community forums where customers can share information to help each other find solutions. In these ways, Sony tailors its support to meet the increasingly diverse needs of its customers in every region of the world. In addition, Sony conducts surveys to determine customer satisfaction at various touchpoints, and makes improvements based on the survey results in its efforts to continually improve customer satisfaction.

Number of Inquiries Received from Customers (Fiscal 2015)

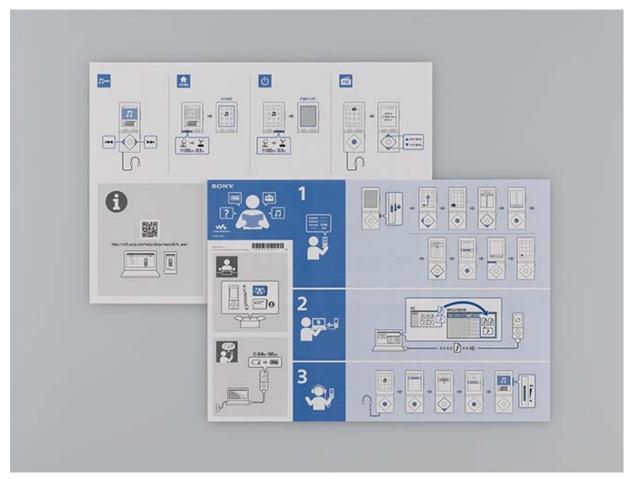
(Thousands)

Region	Number of Inquiries Received (Telephone, E-mail, Chat)
Japan	872
United States	1,450
Europe	1,384
China*1	1,125
Asia-Pacific*2	3,121
Others*3	1,165

- *1 Coverage area: China (mainland) and Hong Kong
- *2 Coverage area: Southeast Asia, Oceania, India, South Korea and Taiwan
- *3 Coverage area: Middle East, Latin America, Africa and Canada

More Convenient, Eco-Friendly User Manuals

Sony is shifting its user manuals and other operating guides from printed versions to more convenient online versions. This not only improves searchability, but also reduces the amount of paper used. Paper is used for startup guides, which provide the basic information needed to start using a product with ease. In some categories, these guides now use visual illustrations only, with no text. This eliminates the need to translate content into multiple languages, which is expected to contribute to environmental protection by reducing paper consumption and lowering CO2 emissions with smaller and lighter product packaging.



A textless startup guide

Repair and Service Network

Currently, there are more than 4,100 Sony customer service locations worldwide, including Sony customer service stations and authorized repair agents.

To enhance customer satisfaction, Sony is working to meet customer needs through such measures as reducing the number of days required for repairs, overhauling its repair pricing system, and providing collection services for repair items. Sony is reinforcing its customer services and building systems that will enable its service network to respond to customer needs in line with the "One Sony" concept. By strengthening the feedback mechanism for product quality based on repair information, Sony also aims to further enhance quality.

Sony Service Locations (Fiscal 2015)

Region	Service Network (Number of Service Locations)
Japan	446
United States	522
Europe	786
China*1	632
Asia-Pacific*2	989
Others*3	762

- *1 Coverage area: China (mainland) and Hong Kong
- *2 Coverage area: Southeast Asia, Oceania, India, South Korea and Taiwan
- *3 Coverage area: Middle East, Latin America, Africa and Canada

Quality and Services

Updated on September 7, 2016

Accessibility and Usability

"Accessibility and Usability" is an essential aspect of quality at Sony. Sony aims to create products and services that people can use with ease - independent of age and disabilities.

User-Centered Product and Service Development

As technological advances bring about increasingly multifunctional consumer electronic products with more advanced user interfaces, Sony aims to deliver products and services that are easy to use and comfortable to operate. Based on user-centered design (UCD) concepts, Sony focuses on the user's perspective at every stage of the development process, from surveys and planning to design and assessment.

User Research and Usability Testing

Sony's products and services are used around the world, so usability must be achieved throughout the world, whatever the culture and lifestyle may be like in any given region. Sony has established a coordinated usability testing structure and environment that includes Sony sites in Japan, North



Usability testing

America, Europe, India, China, and other countries around the world. Sony conducts worldwide user research through home visits and user interviews in order to incorporate the user's perspective from the very beginning of product development.

Sony actively incorporates usability testing into the design and assessment processes when usability factors such as viewability, understandability, and responsiveness can be verified, and conducts these tests in the environments where consumers live and use the products. Through repeated cycles of detecting and correcting usability problems, Sony enhances the usability of its products before they are launched.

In addition to pre-release testing of products, Sony also conducts long-term use surveys and interviews actual users to gain an understanding of customer satisfaction regarding usability and any usability problems that have arisen with purchased Sony products used on a day-to-day basis.

In terms of in-house initiatives, Sony has established an employee UI tester system under which employees can volunteer to take part in certain aspects of usability testing.

Via these initiatives, Sony employs a user-centered approach to design that offers a multifaceted approach to product usability for Sony customers.

Formulating Internal Standards and Applying Acquired Expertise

Representatives of product and service designers across the Sony Group meet to formulate the usability standards to which Sony is committed. They prepare UI design standards for words and icons used on devices and screens, and for operation rules. The knowledge gained through usability testing and the expertise of the product development departments are shared in the meetings.

UI design standards and expertise are posted on Sony's internal portal site so that everyone in the Sony Group has access to them. This information is used in product and service development as Sony continues to work to enhance usability for customers.

Ensuring More Customers Are Able to Use Sony Products and Services

To ensure that as many consumers as possible are able to use its products and services, Sony conducts interviews and usability testing with a large sample of individuals, including those with disabilities, and works to ensure that its research results are reflected in final products and services. Furthermore, Sony takes a leading role in the industry's effort to achieve product accessibility standardization.*

* References: IEC 62731 Text to speech for television; IEC TC 100 TA16 (active assisted living, accessibility and user interface); and IEC 62944 digital television accessibility etc.

Specific examples of this approach to products and services are described on the Sony Accessibility and Usability website.



Accessibility and Usability website

Working to Enhance Sony Website Accessibility

With its focus on improving the quality of its websites, Sony released a set of website accessibility guidelines on July 1, 2007. Over the years since then, the W3C Web Content Accessibility Guidelines (WCAG) 2.0 have evolved into the international standard. Recognizing this, Sony revised its website accessibility guidelines and renamed them the Sony Group Website Accessibility Policy on April 1, 2016. This revision, based on WCAG 2.0, Sony added a compliance clause that requires conformity within a specific period of time to WCAG 2.0 Level A for all items other than those deemed to require reasonable endeavors.

The Sony Group Website Accessibility Policy applies to the public websites of all Sony Group companies and aims to maintain and improve accessibility for users of all Sony Group websites. Sony strives to create and maintain accessible websites that are easy for all individuals to use; whenever changes are made to website content or new pages are created, Sony complies with its Website Accessibility Policy and, as necessary, gives due consideration to the laws, regulations, and guidelines in each country where Sony operates.

Creating an Environment for Carefree Internet Use

Sony Interactive Entertainment LLC (SIE) aims to make games as popular as music, movies and broadcasting and has been developing the PlayStation® business for users in all age groups.

Console game industry organizations have responded to the proliferation of new game genres by introducing rating systems for customers in Japan, the United States and Europe (CERO, ESRB and PEGI, respectively),



PlayStation®4

based on games' target age groups. The U.S. system has operated for more than 20 years and won top marks from the public, not only for indicating age categories but also for being the first to add descriptions that detail the contents of a game. PEGI is endorsed by the European Commission as a paradigm of self-regulation in the entertainment industry. In Japan, measures are being promoted to make the system more effective, including, with the cooperation of retailers, the voluntary refusal to sell software rated by CERO for ages 18 and above to underage customers.

To regulate access by underage users, SIE has included a Parental Control function in PlayStation®4, PlayStation®3 and PlayStation®Vita. This function enables customers to adjust access levels and limit children's access only to appropriate software across the PlayStation® platform.



With the average age of Web users declining, concern is growing about sites on the Internet containing content that is inappropriate for or harmful to children. Sony Network Communications Inc., which provides an Internet-related service in Japan, has introduced "Site Select," a filtering system that blocks access to such sites, as well as to sites targeted by phishing scams, thereby aiming to create an environment in which the whole family can enjoy the Internet, worry free.





Management Approach

Materiality Rationale

Sony's corporate activities are only possible if the earth, which sustains all life on earth, is healthy. This is why Sony is so determined to fight climate change, preserve resources, manage chemical substances, conserve biodiversity, and take other needed steps to protect the environment. True to this commitment, Sony conducts its business in a sustainable manner and provides environmentally conscious products and services, always seeking to deliver innovation and develop uniquely superior technologies. Sony also works hand-in-hand with stakeholders to help build a more sustainable society.

Basic Approach

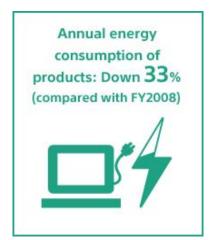
Since the early 1990s, Sony has pursued environmental initiatives in accordance with its environmental principles and targets. In April 2010, Sony announced the "Road to Zero," a new global environmental plan, the goal of which is to realize a sustainable society by achieving a zero environmental footprint throughout the life cycle of its products and business activities by the year 2050. Working toward a zero environmental footprint by 2050, once every five years Sony sets concrete environmental mid-term targets for each stage of the life cycle for its products with respect to climate change, resources, chemical substances, and biodiversity.

Structure

Sony has built and is continually improving its globally integrated environmental management system with the aim of realizing the Sony Group Environmental Vision, achieving the environmental mid-term targets, and complying fully with legal requirements, regulatory demands, and internal policies adopted by the Group. Sony has also established specialized functions at the Sony Group's environmental headquarters, which is overseen by a corporate executive officer of Sony Corporation.

Main Achievements in Fiscal 2015

Under the Green Management 2015 environmental mid-term targets, Sony put forward specific goals for each stage of the product lifecycle. Here are the main results of fiscal 2015 initiatives:













Looking to the Future

Following up on Green Management 2015-the first step toward a "zero environmental footprint" by 2050-Sony has now introduced Green Management 2020, which sets new environmental mid-term targets for fiscal 2016–2020. Green Management 2020 seeks not only to strengthen Sony's initiatives but also to support its entire value chain, and invites society and consumers to get involved in the effort. As part of Green Management 2020, Sony will be working to encourage people from all walks of life to participate in activities to achieve a sustainable global environment.

Related Links



Activity Reports

Environmental Policies and Targets	Sony Group Environmental Vision	Environmental Plan and Mid-Term Environmental Targets
	"Green Management 2020" Environmental Mid-Term Targets	Performance on Green Management 2015 Environmental Mid-Term Targets
	Environmental Management Structure	Overview of Sony's Environmental Impact

Envi	ronmental
Tech	nologies

Mid-Term Targets for the Development of Environmental Technologies

Developing the Environmental Technologies of the Future

Products and Services

Environmental Mid-Term Targets for Products and Services

Reducing Greenhouse Gas Emissions

Environmentally and Socially Beneficial Products and Services

Conserving Resources

Using Recycled Plastics

Management of Chemical Substances

Reduction and Replacement of Chemical Substances of Very High Concern

Creating Environmentally Conscious Products

Conducting an Life Cycle Assessment (LCA)

Procurement

Reducing the Environmental Impact of Procurement

Sites	Environmental Mid-Term Targets for Operations	Reducing Greenhouse Gas Emissions
	Use of Renewable Energy	Reducing Waste Generation
	Reducing Water Consumption	Managing Chemical Substances
	Guiding Principles for Biodiversity Conservation Initiatives and Case Examples	Feature: "Sony Forest" Hosts a Blossoming Ecosystem
	Feature: Working on Groundwater Recharge Projects	The Green Star Program
	Designing Environmentally Conscious Sites	
Logistics	Progress Toward	Reducing the
2091311123	Achieving Mid-Term Targets for Logistics	Environmental Impact of Logistics

Product
Recycling

Product Recycling Policy and Performance

Improving Product Recyclability

Recycling Activities in Japan

Recycling Activities in **Europe**

Recycling Activities in North America

Recycling Activities in Pan Asia

Recycling Activities in Latin America

Recycling Activities in China

Links for Product Recycling in Each Country and Region

Environmental Communication

Environmental Communication Activities

Stakeholder Engagement

Environmental Data

Environment

Updated on September 7, 2016

Sony Group Environmental Vision

The Sony Group Environmental Vision presents a philosophy and principles for environmental management activities throughout the global Sony Group with the aim of contributing to the realization of a sustainable society. Since enacting the Sony Global Environmental Policy which is a predecessor of the Sony Group Environmental Vision and the Environmental Action Program, in 1993, Sony has pursued a broad range of environmental initiatives. Concurrent with the formulation of its Road to Zero global environmental plan, in 2010, Sony revised the Sony Group Environmental Vision.

Philosophy

Sony recognizes the importance of preserving the natural environment that sustains all life on the earth for future generations and thereby ensuring that all humanity can attain a healthy and enriched life. In order to realize such sustainable society, Sony strives to achieve a zero environmental footprint throughout the lifecycle of our products and business activities.

Principles

Sony reduces our environmental footprint and prevents environmental pollution throughout the lifecycle of our products and business activities by complying with all applicable environmental regulations and also by continually improving our global environmental management systems. Sony formulates the following goals in four key environmental perspectives and takes proactive actions to achieve those goals.



Sony focuses on four environmental perspectives

Climate Change

Sony reduces energy consumption and strives to achieve zero emissions of greenhouse gases* generated throughout the lifecycle of our products, service and business activities.

Resources Conservation

In order to minimize resource inputs for our business activities, Sony identifies "Key Resources" and strives to achieve zero usage of those virgin materials. Sony also uses water efficiently, minimizes wastes from sites and maximizes our effort for take back and recycling products from markets.

Management of Chemical Substances

Sony minimizes the risk of chemical substances that we use causing serious harm to human health and the environment. Sony maintains strict control over the chemical substances we use, while, in line with the precautionary approach, taking steps whenever possible to reduce, substitute and eliminate the use of substances that have potentially significant impacts on the environment even in the cases where scientific evidence is not fully proven.

Biodiversity Conservation

Sony protects and utilizes ecosystem services in a sustainable manner, while actively promoting maintenance and recovery of biodiversity through our business and local contribution activities.

* Gases that raise the temperature of the earth's surface by absorbing infrared radiation from reflected sunlight. Seven typical examples are carbon dioxide (CO₂), methane, nitrous oxides, hydrofluorocarbons (HFC), perfluorocarbons (PFC), sulfur hexafluoride (SF₆), and nitrogen trifluoride (NF₃).

In order to realize the Environmental Vision, Sony formulates targets and concrete plans and initiates actions to implement, while contributing to a better society through partnerships and communications with internal and external stakeholders.

Click here for more details in our vision's web site (Sony and the Environment)

Environment

Updated on September 7, 2016

Environmental Plan and Mid-Term Environmental Targets

Since the early 1990s, Sony has pursued environmental initiatives in accordance with its environmental principles and targets. In April 2010, Sony announced the "Road to Zero," a new global environmental plan. This plan consists of the Sony Group Environmental Vision and several sets of mid-term environmental targets, which form key milestones on the road to achieving the Vision.

"Road to Zero," Sony's Global Environmental Plan

As stated in the Sony Group
Environmental Vision, Sony strives to
realize a sustainable society by
achieving a zero environmental
footprint throughout the life cycle of its
products and business activities. It is
this long-term goal that prompted Sony
to name its new global environmental
plan "Road to Zero." Under this plan,
Sony aims to bring its environmental
footprint to zero by 2050 and works to
achieve incremental mid-term
environmental targets toward this end.



Environmental Mid-Term Targets

Sony is working toward its goal of having a "zero environmental footprint" by 2050, setting mid-term (5-year) environmental targets progressively backcasted from 2050, and adjusting fiscal year targets based on current achievement levels. This approach will enable Sony to work steadily toward achieving the zero environmental footprint goal, while making ongoing adjustments based on current progress. In 2011, Sony established the Green Management 2015 environmental mid-term targets (fiscal 2011–2015), which was its first step on the road to a zero environmental footprint, achieving almost all of its targets by 2015. Currently, Sony is implementing initiatives to achieve the goals it has set under the Green Management 2020 environmental mid-term targets (fiscal 2016–2020).



Focusing on Four Environmental Perspectives

Sony's environmental mid-term targets define concrete targets at each stage of the product life cycle, from the four priority perspectives of climate change, resources, chemical substances, and biodiversity. Sony is working with multiple environmental NGOs and experts to gain feedback on Sony's initiatives under each priority perspective.



Sony focuses on four environmental perspectives

Policies on Four Environmental Perspectives

Sony carries out initiatives under the following policies, which it has outlined for four environmental perspectives of climate change, resources, chemical substances, and biodiversity, in order to achieve its environmental mid-term targets.

Policy on Climate Change

Sony strives to achieve zero emissions of greenhouse gases from its business activities and throughout the life cycle of its products and services. Sony sites make it their highest priority to reduce energy consumption and greenhouse gas emissions, use energy more efficiently, and switch to energy sources that generate less greenhouse gas emissions, while also promoting renewable energy use. Sony also develops and supplies energy efficient, environmentally conscious products and services, and works with manufacturing subcontractors and suppliers of components and raw materials in an effort to reduce greenhouse gas emissions both directly and indirectly.

Policy on Resources

Sony seeks to minimize the consumption of resources and maximize resource recycling in order to use resources effectively in its business activities and throughout the life cycle of its products and services, while striving to achieve zero consumption of new materials made from "key resources.*1" Sony minimizes resource consumption by reducing the weight of products and utilizing resources more efficiently in its internal operations. Sony is also working to extend the life of products through quality and durability enhancements, to indirectly reduce resource consumption. In terms of waste, Sony recycles waste generated from internal operations, with the goal of eliminating landfilled waste. Additionally, Sony designs products to facilitate recycling and implements ongoing programs to collect and recycle end-of-life products according to the needs of local communities, while also promoting advanced recycling with recycling companies.

*1 At Sony, "key resources" are designated by taking the following factors into account: resource depletion, resource availability, environment impact of resource extraction, and loss of biodiversity and community impacts from resource extraction.

Policy on Water Use

Although water circulates around the earth continuously through the water cycle, the amount of water available for use by the planet's inhabitants is limited. With population growth and other issues putting further pressure on water supplies, the importance of conserving this resource will increase in the years ahead. Taking into account the locations of its sites, as well as regional differences, Sony will continue taking steps to minimize its withdrawal of water and to ensure the water it returns to water sources is of a quality that does not negatively impact the environment.

Policy on Paper Resources

Recognizing that paper resources are limited, under the Sony Group Paper / Printed Material Purchasing Policy, Sony constantly works to reduce paper consumption while prioritizing the procurement of environmentally preferable paper, such as paper made from resources sourced from certified forests and recycled paper.

Learn more about the Purchasing Policy (PDF)

Policy on Chemical Substances

Sony endeavors to minimize the risk that chemical substances it uses might cause serious harm to human health and the environment. Chemical substances used in Sony products are suitably managed based on available data including national regulations, toxicity, environmental impacts, applications, and content level in components and products. Sony adopts a precautionary approach and takes steps to identify and strive to eliminate substances considered to be high-risk, even in cases where scientific evidence is insufficient, thereby reducing potential impact on the environment. Sony manages the type and application of chemical substances used at business sites, and for high-risk substances sets criteria for

managing each substance to either prohibit their use or reduce emissions or amounts transferred. Sony also prohibits the use of certain substances in manufacturing processes in the supply chain which are restricted under international frameworks because of environmental impacts throughout the life cycle.

Policy on Biodiversity

Recognizing the importance of natural capital and the ecosystem services it supplies, Sony endeavors to conserve natural capital and biodiversity, both in its business activities and through community initiatives. Sony has identified the following basic principles*2 to guide its initiatives.

- (1) Sony recognizes the importance of biodiversity issues.

 Sony recognizes that biodiversity is an important issue in its business activities, endeavors to reduce the impact of its business activities on biodiversity (both directly and indirectly in the supply chain),*3 and engages in community initiatives that help to conserve natural capital and biodiversity.
- (2) Sony helps achieve the Aichi Biodiversity Targets by engaging in initiatives to conserve natural capital and biodiversity throughout the life cycle.
- (3) Sony cooperates with stakeholders where needed in pursuing the above principles.
- (4) Sony actively discloses information about these initiatives and endeavors to raise awareness about biodiversity.
- *2 For Sony's stance on the consumption of paper resources as it relates to biodiversity, please refer to "Policy on Paper Resources."
- *3 This includes reducing the environmental impact of Sony's business activities, such as reducing greenhouse gases, conserving resources, and comprehensively managing chemical substances, while also reducing the impact on biodiversity as a result of achieving these environmental targets.

Risks and Opportunities

Understanding and Responding to Business Risks

As a company that strives to help build a sustainable society, Sony believes that addressing environmental issues is crucial to achieving this goal. Sony also recognizes the importance of such efforts from the perspective of business continuity. The failure to take appropriate steps to respond to such issues involves various underlying risks that could negatively impact Sony's operations. These include risks involving new or amended laws or regulations that could elicit higher carbon taxes, broaden the geographic applicability of emissions trading schemes, or impose tougher energy-saving standards on products. Another example is physical risks, such as the risk of rising sea levels and abnormal weather patterns caused by climate change. There is also the market change brought about by evolving consumer perceptions. Sony realizes that flawed responses to such risks and changes could have major social and financial ramifications. Accordingly, Sony works constantly to assess underlying risks, as well as to ensure it is prepared to respond effectively to those risks that it judges likely to have an impact on its operations. Sony has, for example, established and continues to maintain a system for quickly collecting information on laws and regulations in force in countries around the world and to ensure that its business activities and products comply.

Creating and Expanding Business Opportunities

Addressing environmental issues opens up business opportunities for Sony. For example, the adoption of the Paris Agreement* at the 2015 United Nations Climate Change Conference (Conference of the Parties 21: COP 21) held in December 2015 has increased social awareness of climate change issues, which will raise consumer demand for energy-efficient products. Sony has been improving energy efficiency across a broad range of products, which will further cement the advantage of Sony products amid growing social awareness.

* The Paris Agreement was adopted at COP 21 to provide an international framework for addressing climate change in 2020 and beyond.

Environment

Updated on September 7, 2016

"Green Management 2020" Environmental Mid-Term Targets

Taking Environmental Initiatives to the Next Stage

Sony is working to reduce its environmental footprint to zero by 2050, and has set a series of environmental medium-term targets to get there. As the first step, Sony set the Green Management 2015 environmental mid-term targets which spanned fiscal 2011 to 2015. In April 2016, Sony introduced the Green Management 2020 environmental mid-term targets to be achieved by fiscal 2020. This transition takes Sony's environmental activities to the second stage of its journey to a zero environmental footprint.

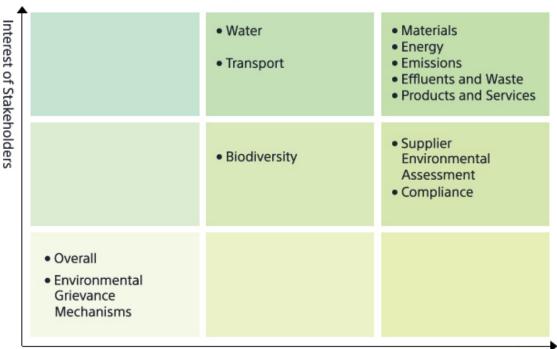


The Process of Formulating Green Management 2020

When formulating Green Management 2020, Sony examined its past environmental activities and conducted a materiality analysis^{*1} in order to incorporate the viewpoints of stakeholders outside the Sony Group.

Impact on Business

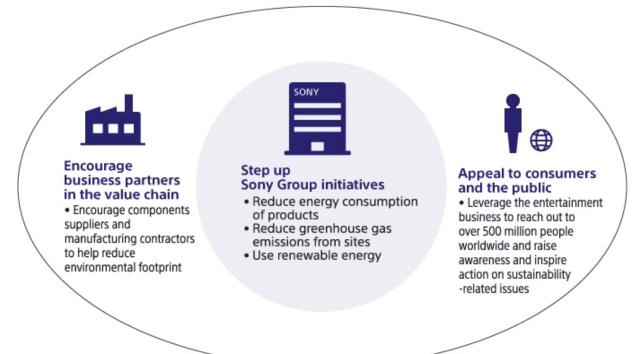




Based on these results, Sony specified raw materials, energy, atmospheric emissions, effluents and waste, and products and services as priority areas to tackle by 2020. It then designated water, biodiversity, and environmental assessments of suppliers as important issues to deal with. Sony has been addressing all of these issues already, and continues to focus on initiatives to address them through fiscal 2020. Furthermore, Sony's entertainment businesses will also work on initiatives based on their unique characteristics to enhance group-wide performance, adding new approaches to those taken by the

electronics business.

Expanding Sony's Environmental Activities under Green Management 2020



- A materiality analysis is a method for identifying and specifying important issues for a company and its stakeholders.
- *2 The headings on the axes of the graph are environmental categories defined in the G4 Sustainability Reporting Guidelines from GRI.

Green Management 2020: Target Matrix (abridged version)

Sony organized its activities under Green Management 2020 according to the six stages of the product lifecycle: product/service planning and design, operation, raw materials and components procurement, logistics, take-back and recycling, and innovation. In each of these stages, specific targets are set under the four categories of climate change, resources, chemical substances and biodiversity.

View larger image (PDF)

		Climate Change	Resources	Chemical Substances	Biodiversity
			scious design throughout the life cy	rcle 30 million people through entertain	ment
Product/Sc Planning a (vs.FY2013)	ervice and Design	1. AC powered devices: reduce energy consumption by 30% 2. Power consumption at no load condition and in battery maintenance mode: No more than 0.03 W 3. DC powered devices other than those in 2: Improve energy efficiency and charging efficiency.	Reduce virgin plastic per product by 10% Reduce and substitute key resources Minimize resource inputs Promote design for recycling	Eliminate and substitute "Controlled Substances" in high-risk applications	Use recycled and certified paper
	Sony sites	Reduce absolute GHG emissions by 5% (equivalent to 40% reduction vs. P/2000) Use renewable energy equivalent to 300,000 CO2-tons	<waste> 1. Reduce absolute waste generated by 5% (equivalent to 77% reduction vs. Pr2000) 2. Landfilled waste rate under 1% <water> Reduce absolute water usage by 5% (equivalent to 45% reduction vs. Pr2000)</water></waste>	Class 1: Prohibit use Class 2: Prohibit use Class 2: Prohibit use Class 3: Reduppion granted for certain applications) Class 3: Reduce the amounts released and transferred; maintain absolute VOC emissions Class 4: Use under appropriate control	Implement environmental contribution activities respecting the needs of local communities
Operation (vs.FY2015)	Outsourcing contractors	Request main manuf. contractors to monitor GHG emissions and reduce GHG intensity by 1% per year 2. Request main manuf. contractors to use renewable energy Prioritze the use of energy efficient data center	Request main manuf, contractors to monitor volume of water use and reduce water use intensity by 1% per year Request main manuf, contractors to monitor and reduce volume of waste generation	Request manuf, outsourcing contractors to respond to Sony's unified standard that takes into account laws around the world restricting and banning chemical substances used for products supplied to Sony Request manuf contractors to ban from manufacturing processes the use of substances restricted at an international framework that Sony as specified.	Encourage manuf.contractors the environmental contribution activities respecting the needs of local communities
Raw Mater and Comp Procureme	onents	Request suppliers dealing in component categories that create high environmental impact and/or suppliers involved in large business transactions to monitor GHG emissions, establish their own targets and implement reduction measures	Request suppliers dealing in component categories that create high environmental impact and/or suppliers involved in large business transactions to monitor water consumption, establish their own targets and implement reduction measures	Request to respond to Sony's unified standard that takes into account different taws around the world restricting and banning chemical substances used for raw materials, components and products supplied to Sony Request supplied to Sony Report of the Sony Request supplied to Sony Report of the Sony	Request that consideration be given to biodiversity
Logistics (vs.FY2013)		Reduce absolute CO2 emissions related to logistics between nations and within regions by 10%	-	-	-
Take Back and Recyc	ling	-	Establish recycling schemes which meet the needs of local communities, and of operations 2. Aim at the high-level return of waste to a form in which it can be used as a resource by acquiring a clear grasp of recycling key resources		
Innovation	,	reducing the environmental in	npact	ontribute to the establishment of ter reducing the environmental impac	

Click here for more details in Sony's Green Management 2020 website.



Environment

Updated on September 7, 2016

Performance on Green Management 2015 Environmental Mid-Term Targets

Under the Green Management 2015 environmental mid-term targets, which spanned from fiscal 2011 through fiscal 2015, Sony categorized targets and activities accordingly to product lifecycle stage. As of the completion date of end March 2016, Sony successfully met nearly all of the targets. The targets and results of activities for each stage are outlined below.

1. Research and Development

In the area of climate change, Sony Computer Science Laboratories, Inc. (Sony CSL) worked with the Okinawa Institute of Science and Technology Graduate University (OIST) on the joint development of an Open Energy System, a new power system fueled by renewable energy sources. With regard to resources and chemical substances, Sony also developed SORPLAS™ (Sustainable Oriented Recycled Plastics) that meet a wide range of requirements to suit a diversity of products. Using SORPLAS™ in products reduces the amount of virgin materials used and makes it possible to eliminate the use of bromine and phosphorus-based flame retardants.

	Targets	Performance
Climate Change	 Develop technologies that improve self-sufficiency ratio in the energy supply at the individual level by further implementation of energy-saving measures in products and expansion of renewable energy. Develop information and communication technologies to support lifestyles indispensable to realizing a low-carbon society. 	Sony CSL and OIST teamed up for joint development and verification tests of the Open Energy System. The system enables ultra-distributed electricity transmission based on renewable energy sources and can be built using a bottom-up approach.
Resources	3. Develop and refine 3R*1 technologies in product life cycle to achieve reductions in the use of exhaustible resources and water, and to reduce waste.	Developed SORPLAS™, plastics that meet a wide range of requirements to suit a diversity of products. Increased the number of products made with SORPLAS™ and began sales to other companies.
Chemical Substances	4. Develop technologies to reduce the use of substances of high concern and alternative materials.	By using a proprietary flame retardant in SORPLAS™ recycled plastic, eliminated the use of bromine- and phosphorus-based flame retardants in those products.

^{*1} Reduce, Reuse and Recycle

2. Product Planning and Design

Sony reduced annual energy consumption per product by approximately 33% and the average mass of products by approximately 30% from fiscal 2008 levels by promoting energy conservation, as well as pursuing smaller sizes and lighter weights in products across a broad range of categories. In the area of chemical substances, Sony shifted to alternatives for polyvinyl chloride/bromine-based flame retardants in certain product categories and continues to manage Environment-Related Substances to be Controlled*1 which are of very high concern. With regard to target reductions in utilization ratio of virgin oil-based plastics in products, Sony focused on strengthening coordination among relevant internal divisions, developing new materials, and promoting the use of recycled plastics. However, Sony was unable to make progress in certain product categories due to technological and cost issues and therefore could not achieve this target.

	Targets	Performance
General	1. Launch environmental flagship models and services in each category continuously.	Launched environmentally conscious models in main product categories including televisions, video and audio products.
Climate Change	2. Reduce annual energy consumption of products by 30% (compared with FY2008)	Down 33%
Resources	3. Reduce utilization ratio of virgin oil-based plastics in products by 5% (compared with FY2008)	Down 4.3%
	4. Reduce mass of products by 10% (compared with FY2008)	Down 30%

PVC:

- Introduced alternatives for product packaging, housing and other components.
- Designated product categories and introduced alternative for PVC in new products in those categories.
- Click here for more details in " Replacement of PVC"

Chemical Substances

5. Eliminate Environment-Related Substances to be Controlled which are of very high concern and BFRs*2/PVC*3 within specified use.

BFR:

- Designated product
 categories and introduced
 alternative for BFRs in
 new products in these
 categories.
- Click here for more details in "Replacement of BFRs"

Environment-Related Substances to be Controlled which are of very high concern:

 Continued to monitor the use of 14 designated substances in products.

- *1 Among the substances contained in parts and devices, "Environment-Related Substances to Be Controlled" are those which, in Sony's judgment, have significant environmental impact on both humans and the global environment.
- *2 Brominated flame retardants
- *3 Polyvinyl chloride

3. Procurement

In the area of climate change, Sony developed and employed a mechanism for collecting data from principal OEM/ODM*1 suppliers. With regard to resources and chemical substances, Sony also pursued procurement-related activities to help meet product planning and design targets. To reduce the rate of use of virgin plastic, a target in the resources category, Sony strengthened coordination among relevant internal divisions and promoted development of recycled materials and increased use of recycled materials at suppliers. To meet targets in the chemical substances category, Sony applied chemical substance management standards both at internal divisions and at suppliers and made progress in reducing target substances.

	Targets	Performance
Climate Change	 Establish mechanisms to determine greenhouse gas emissions from suppliers. Contribute to the development of an industry-wide common reporting format. 	Established a mechanism for collecting data from principal OEM/ODM suppliers and operated this mechanism.

Resources	3. Conduct procurement in ways that enable Sony to achieve the "Product Planning and Design" and "Logistics" targets.	Strengthened collaboration with relevant internal divisions to enable rapid identification of recycled plastic usage trends. Based on identified needs, developed relationships with suppliers and promoted materials development. Improved parts storage efficiency and promoted use of reusable containers to reduce packaging materials for incoming parts.
Chemical Substances	4. Conduct procurement in ways that enable Sony to achieve the "Product Planning and Design" targets.	Ensured the strict observation of Sony's standards for the management of chemical substances and promoted efforts to address the challenge of reducing Environment-related Substances to Be Controlled*2 which are of very high concern, PVC and BFRs from the procurement stage.
Biodiversity	5. Assess impact on biodiversity at mining and collection sites.	Assessed the impact of mining of the principal mineral resources Sony uses.

- *1 OEM suppliers are companies that manufacture products on behalf of Sony. ODM suppliers are companies that design and manufacture products on behalf of Sony.
- *2 Among the substances contained in parts and devices, Environment-Related Substances to Be Controlled are those which, according to Sony's judgment, have significant environmental impact on both humans and the global environment.

4. Operations

Sony significantly reduced the environmental footprint at its factories and offices by focusing efforts at work sites on improving production efficiency, installing high-performance equipment, effectively utilizing resources, and taking other measures to reduce greenhouse gas emissions and waste. As part of its community engagement, Sony conducted biodiversity protection activities at all of its sites. Thanks to these efforts, all targets were met with the exception of the recycling rate. Although progress was made in boosting the recycling rate by ensuring that waste is sorted at all sites and by selecting recyclers, the fact that some waste generated by Sony operations cannot be recycled in certain countries and regions prevented Sony from achieving a 99% or higher recycling rate globally.

	Targets	Performance
General	1. Conduct environmental assessments (including biodiversity impact assessment).	Conducted at all Sony sites worldwide.
Climate Change	2. Reduce absolute greenhouse gas emissions by 30% (compared with FY2000)	Down 41%
Resources	3. Reduce absolute waste generation by 50% (compared with FY2000)	Down 73%
	4. Improve waste recycling rate Group-wide: 99% or more	95%
	5. Reduce absolute water consumption by 30% (compared with FY2000)	Down 54%

Chemical Substances	6. Take actions for class 1-4. Detailed groups of chemical substances are described separately. Class 1 substances: Prohibit use. Class 2 substances: Eliminate use by a specified date. Class 3 substances: Reduce the amounts released and transferred. >Reduce the amounts released to water, and the amounts transferred to sewer / as waste (including VOC*1) by 14% (compared with FY2008). >Reduce the amounts of VOC released to the atmosphere by 50% (compared with FY2000) Class 4 substances: Comply with the relevant laws and regulations and use under appropriate control.	Class 1 substances: No current use of prohibited substances. Class 2 substances: No current use of prohibited substances. Class 3 substances: >Amounts released to water, transferred to sewer, or transferred as waste (including VOC*7): Down 15% >Amount of VOC released to the atmosphere: Down 58% Class 4 substances: Complied with relevant laws and regulations and used under appropriate control.
Biodiversity, Contribution to Local Communities, Others	7. Promote environmental activities respecting the needs of the local community.	Conducted biodiversity protection activities at all sites as part of community engagement activities.

1 Volatile organic compounds

5. Logistics

Sony pursued initiatives to reduce shipping weights by reducing the size and weight of products, as well as to optimize shipping efficiency (smaller product packaging, better load efficiency, improved parts packaging, joint shipping) and switch to modes of transportation with less environmental impact (modal shift, use of fuel efficient vehicles). Together with reductions in shipping volume accompanying changes in the business environment, Sony reduced CO2 emissions from logistics by 74% and waste derived from packaging for incoming parts by 73%, meeting all targets.

	Targets	Performance
Climate Change	1. Reduce total CO2 emissions by 14% (compared with FY2008).	Down 74%
Resources	2. Reduce incoming parts packaging waste by 16% (compared with FY2008).	Down 73%

6. Take-back and Recycling

In Japan, North America, Europe and other regions where recycling laws and regulations have been enacted, Sony established take-back and recycling practices that thoroughly comply with local rules. In regions where recycling laws have not yet been established, Sony voluntarily follows certain take-back and recycling practices. Having incorporated feedback from recycling plants and best practices in each product category, Sony has strengthened its in-house structure for promoting easy-to-recycle product designs and made progress in designing products that are even easier to recycle.

Targets Performance

Based on the idea of Extended Producer Responsibility (EPR), Sony strives to achieve an environmentally conscious recycling system and effective operation for take-back and recycling of end-of-life products. In addition, Sony continues to increase the use of recycled resources and to design products that are easy to recycle. This is based on the idea of Individual Producer Responsibility (IPR) to help in promoting the establishment of appropriate laws and the building of infrastructure to recycle Sony products.

- Thorough compliance with relevant laws and regulations in all areas where take-back and recycling laws have been established.
- Voluntary take-back and recycling activities in areas without established laws and regulations.
- Furthered progress on easy-torecycle designs by strengthening in-house structure.

Environment

Updated on September 7, 2016

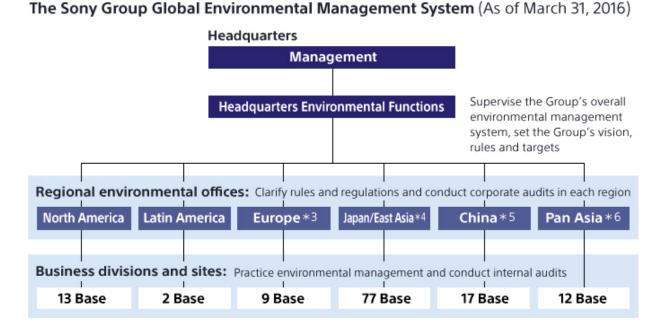
Environmental Management Structure

Sony is implementing and continually improving its globally integrated environmental management system with the aim of realizing the Sony Group Environmental Vision, achieving its mid-term environmental targets and complying fully with legal requirements, regulatory demands and internal policies established for the Group.

Integrated ISO 14001 Certification for the Entire Sony Group

Since the 1990s, Sony sites*1 throughout the world have sought certification under ISO 14001, the international standard for environmental management systems. Acquisition of ISO 14001 certification at all sites was completed in fiscal 2000. Since then, Sony has expanded this effort, establishing an environmental management system that integrates Group headquarters with overseas environmental departments, business units and sites, while taking advantage of the management systems already operational at each business site, and acquiring integrated ISO 14001 certification*2 for the entire Sony Group in fiscal 2005.

- *1 "Sites" refers to manufacturing and non-manufacturing sites.
- *2 The scope of integrated ISO 14001 certification is all manufacturing, distribution centers with 100 or more employees and non-manufacturing sites with 1,000 or more employees.



Integrated ISO 14001 certification for 130 Sony Group sites worldwide

- *3 Coverage area: Europe including Turkey, Russia and former Soviet Union
- *4 Coverage area: Japan, Taiwan Region and South Korea
- *5 Coverage area: Mainland China and Hong Kong
- *6 Coverage area: Mongolia and other parts of Asia (excluding the aforementioned countries in Asia), Middle East, Oceania and Africa

Specialized Functions for Environmental Management

To deal with the increasingly diverse and complex environmental issues that affect Sony's operations, such as manufacturing and sales of environmentally conscious products, recycling, and environmental management at sites, Sony has established specialized functions at the Sony Group's environmental headquarters, specifically in the areas of environmental management related to energy consumed at sites and by products; resource conservation, including recycling; chemical substance management; biodiversity conservation; procurement; logistics; technological development; and communications. All of these areas are overseen by a corporate executive officer of Sony Corporation.

Each of these specialized functions works together with regional offices and departments that specialize in such areas as product quality, customer satisfaction, occupational health and safety, and disaster prevention, to achieve a

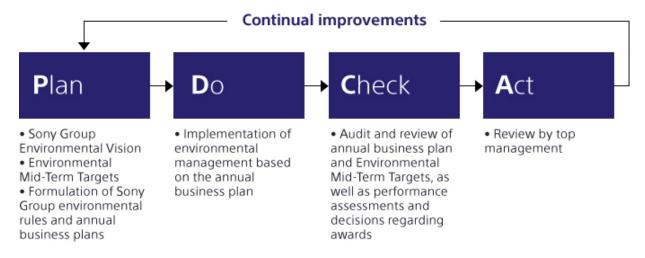
uniform and effective management system. Each specialized function issues targets to the operating units, divisions and sites and reviews their progress. To promote integrated environmental management globally, Sony has established regional environmental offices to facilitate region-wide environmental management activities, such as a better understanding of local, legal and regulatory trends, effective communication of standards and instructions set forth by headquarters to the regional divisions and sites, and effective performance of audits at all regional business divisions and sites.

Continual Improvement by Using the PDCA Cycle

In compliance with ISO 14001, the global standard for environmental management systems that is based on the rationale of the Plan-Do-Check-Act (PDCA) cycle, Sony's corporate headquarters conducts annual assessments of the environmental impact of the entire Sony Group and, after identifying risks and opportunities, incorporates its findings into mid-range environmental targets and annual plans. In line with these plans, individual business units and sites establish and implement their own annual plans, incorporating essential elements of guiding principles established by the headquarters. Progress on the implementation of these business plans is reviewed regularly by a committee that is headed by the officer in charge of environmental affairs, contributing to ongoing improvement efforts. Awards are given annually at the global level to recognize outstanding activities in core businesses. These activities are counted as part of overall annual performance evaluations for main business units and sites and the results of these assessments are reflected in the bonuses awarded to management-level employees. To gauge the progress of these environmental activities, Sony has developed an online data system for periodically collecting performance for, among others, power consumption by products, energy used by sites, and volume of waste generated. To ensure the effective functioning of the PDCA cycle, Sony has created an environmental document structure in line with the requirements of ISO 14001. The structure covers overall elements of environmental management such as management procedures on site and in the business groups, internal environmental communications, and efforts to make products more environmentally conscious.

Another means by which the Sony Group facilitates environmental action is to provide a broad environmental education for employees that is tailored to specific objectives or the type of work they perform.

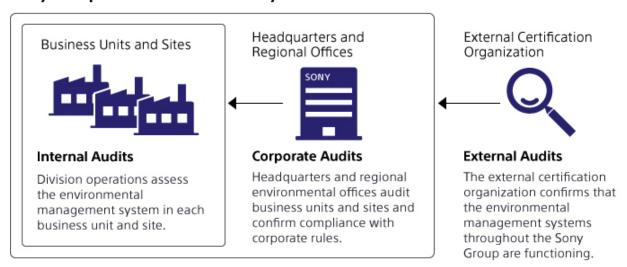
The Sony Group Environmental Management System PDCA Cycle



Environmental Audits

Sony has established an integrated environmental audit system that combines three kinds of audits — internal, corporate and external — and aims to facilitate continual improvements to the Sony Group's environmental management system, prevent environmental accidents at sites, and ensure the reliability of environmental data.

Sony Group Environmental Audit System



Environment

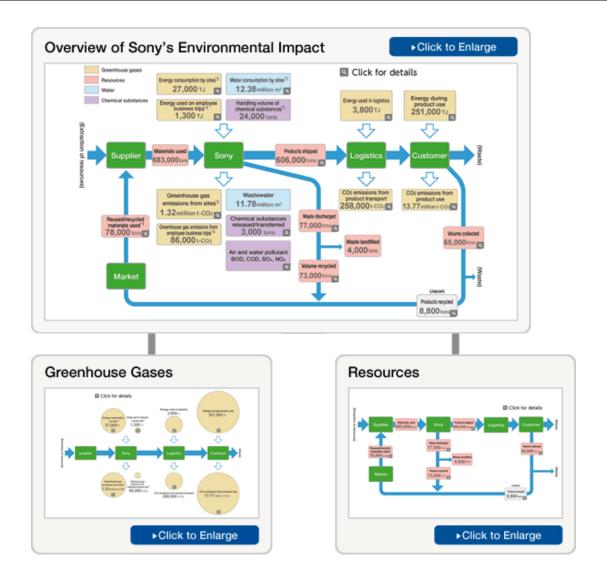
Updated on September 7, 2016

Overview of Sony's Environmental Impact

Sony's business activities affect the environment in various ways. This overview looks at Sony's environmental footprint from the perspective of product life cycles.

Overview of Environmental Impact

The chart below shows Sony's impact on the environment over the entire life cycle of its business activities, including energy and resources used in business activities, energy consumed by Sony products when used by customers, and the recycling and disposal of products after use. The chart shows the principal environmental impact during fiscal 2015 for items that Sony can recognize and manage directly.



Links to Related Items:

Environmental Data > Environmental Data Collection Methods and Rationale

Assessing Greenhouse Gas Emissions over the Entire Value Chain

The recent escalation of climate change issues has prompted corporations to broaden the scope of efforts to ascertain the greenhouse gas emissions not just of their own operations but also those throughout their entire value chain.*1 Starting in fiscal 2009, Sony has conducted trials to determine emissions from its main OEM/ODM*2 suppliers. Furthermore, based on the level of emissions identified, in fiscal 2012, Sony first estimated greenhouse gas emissions for its entire value chain.*3 The amount of greenhouse gas emissions from Sony's overall value chain

in fiscal 2015 is estimated to be approximately 21.16 million tons. The largest volume of emissions was from "energy consumed during product use." The next-largest category was "purchased goods and services" relating to materials and components. Sony plans to build its own system for identifying greenhouse gas emissions over the entire value chain, and will work to enhance the accuracy of the system and strengthen management of emissions.

- *1 Refers to the entire product life cycle process, from procurement of materials through to manufacturing, use and disposal. It includes manufacturing upstream and downstream processes.
- *2 OEM suppliers are companies that manufacture products on behalf of Sony. ODM suppliers are companies that design and manufacture products on behalf of Sony.
- *3 Calculated in accordance with the Greenhouse Gas Protocol's Scope 3 accounting and reporting standard and guidelines published by Japan's Ministry of the Environment.

Greenhouse Gas Emissions from the Value Chain





Status of Scope 3 Emissions per Category

	Scopes and categories	Status
Category 1	Purchased goods and services	0
Category 2	Capital goods	0
Category 3	Fuel- and energy-related activities (not included in scope 1 or scope 2)	0
Category 4	Upstream transportation and distribution	0*
Category 5	Waste generated in operations	0
Category 6	Business travel	0*
Category 7	Employee commuting	0
Category 8	Upstream leased assets	-
Category 9	Downstream transportation and distribution	0
Category 10	Processing of sold products	0
Category 11	Use of sold products	0*
Category 12	End-of-life treatment of sold products	0
Category 13	Downstream leased assets	_
Category 14	Franchises	_
Category 15	Investments	0

O:calculated

For details on scope 3 emissions, please refer to "Greenhouse Gas Emissions > Scope 3".

^{-:} not relevant

^{*:} The emissions are assured by a third-party date verification. (In category 4, only product transport emissions are verified.)

Updated on September 7, 2016

Mid-Term Targets for the Development of Environmental Technologies

In its Green Management 2015 environmental mid-term targets which ran through fiscal 2015, Sony set the following targets for technological development. To meet these targets, Sony established R&D themes that help reduce environmental impact. After basic research is conducted, the development of practical commercial applications is the responsibility of business units.

Targets of "Green Management 2015" for the Development of Environmental Technologies

Climate Change	 Develop technologies that improve self-sufficiency ratio in the energy supply at the individual level by further implementation of energy-saving measures in products and expansion of renewable energy. Develop information and communication technologies to support life styles indispensable to realizing a low-carbon society.
Resources	Develop and refine 3R* technologies in product life cycle to achieve reductions in the use of exhaustible resources and water, and to reduce waste.

Chemical	Develop technologies to reduce the use of substances
Substances	of high concern and alternative materials.

^{*} Reduce, Reuse and Recycle

Performance on Green Management 2015 Environmental Mid-Term Targets

For performance for each target, please visit below link.

Performance on Green Management 2015 Environmental Mid-Term Targets > Research and Development

Environmental Mid-Term Targets from Fiscal 2016

Sony has set Green Management 2020 environmental mid-term targets spanning from fiscal 2016 through fiscal 2020, and is now focused on meeting these new targets. For more information, please visit below link.

"Green Management 2020" Environmental Mid-Term Targets

Updated on September 7, 2016

Developing the Environmental Technologies of the Future

Triporous™ Plant-Based Porous Carbon Material

Humankind is facing a major challenge with global environmental pollution due to industrialization, and therefore is creating a strong demand for technological solutions. Sony has responded by developing Triporous™, a new carbon material that can be used to enhance water and air quality, and help make improvements on several



Triporous[™] and its logo

environmental issues. Triporous[™] is made from rice husks and other raw biomass materials that contain silica (a component of glass), which are processed to give the material a unique, fine structure that easily absorbs substances that are otherwise difficult to absorb using existing technology. Triporous[™] can be used to make high-performance filters that effectively remove pollutants such as viruses, allergens, and PM2.5* from water and air. In 2014, Sony received The 21st Century Encouragement of Invention Prize from the Japan Institute of Invention and Innovation for developing Triporous[™] technology.

Japan alone generates more than two million tons of rice husk waste each year. Sony is currently developing technology and practical applications for Triporous™, to help recycle excess biomass (rice husks) and address global environmental pollution.

* Particulate matter 2.5 (PM2.5) refers to fine particles with a diameter of 2.5 μ m or less that are suspended in air.

Synecoculture

Conventional agriculture largely focuses on increasing productivity from a single crop, by plowing top soil, spreading fertilizer, and applying pesticides based on the characteristics of the crop. These practices damage ecosystems and cause other environmental problems. Sony Computer Science Laboratories, Inc. (Sony CSL) is testing applications for synecoculture, a sustainable agricultural practice that balances productivity with the need to reduce environmental impact. Synecoculture eliminates the need for plowing, fertilizing, and pesticide use that impact the environment, by taking maximum advantage of the material cycling that occurs naturally in ecosystems, aiming to create rich ecosystems with a diverse mix of plants that coexist together. Synecoculture requires vast knowledge of plant ecology, and for several years Sony CSL has been conducting tests at a number of farms, cultivating a blend of plants in order to collect data on plant compatibility and soil conditions. Sony is also using original IT tools to develop a synecoculture support system based on the test data.



A synecoculture farm, where a diverse blend of useful plants are cultivated together

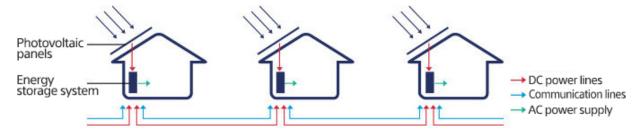


Elements of Synecoculture support system

Open Energy Systems

Although renewable energy sources such as solar and wind power generation have been attracting much attention in recent years, there are significant issues to overcome before thinly dispersed renewable energy can be utilized effectively. Sony CSL is conducting research on Open Energy Systems (OES), which enable ultra-distributed electricity transmission and distribution and can be built using a bottom-up approach. Sony CSL has teamed up with the Okinawa Institute of Science and Technology Graduate University (OIST) to pursue joint OES demonstration experiments using Sony's storage batteries. In 2013, this research was selected by the Okinawa Prefectural Government to be part of its subtropical and island energy infrastructure technology research subsidy program, with Sony CSL and OIST collaborating on "Research Related to Distributed DC Power Control for the Realization of OES." In fiscal 2014, Sony CSL installed photovoltaic panels and energy storage systems in 19 residences in the university's faculty housing area, and built a DC-based OES (DCOES) to interconnect the residences with DC power lines. The researchers are conducting experiments to test automatic power interchange among residences. In fiscal 2015, Sony CSL continued to operate the experimental installation of the DCOES stably.

DCOES Powering 19 Residences in the OIST Faculty Housing Area



The electric power interchange system automatically compensates for imbalances between power generation and electricity consumption across residences, which are interconnected by DC power lines and communication lines.

Updated on September 7, 2016

Environmental Mid-Term Targets for Products and Services

In its Green Management 2015 environmental mid-term targets which ran through fiscal 2015, Sony set the following target for products and services. To meet these targets, Sony stepped up efforts to develop environmentally conscious products by setting specific targets for individual products and conducting environmental assessments for all products.

Targets of "Green Management 2015" for Products (Product Planning and Design)

General	Launch Environmental Flagship models and services in each category continuously.
Climate Change	Reduce annual energy consumption of products by 30% (compared with FY2008)
Resources	 Reduce utilization ratio of virgin oil-based plastics in products by 5% (compared with FY2008) Reduce mass of products by 10% (compared with FY2008)
Chemical Substances	Eliminate Environment-Related Substances to be Controlled* of very high concern and BFR/PVC within specified use.



* Among the substances contained in parts and devices, "Environment-Related Substances to be Controlled" are those which, in Sony's judgment, have a significant impact on both humans and the global environment.

Performance on Green Management 2015 Environmental Mid-Term Targets

For performance for each target, please visit below link.

Performance on Green Management 2015 Environmental Mid-Term Targets > Product Planning and Design

Environmental Mid-Term Targets from Fiscal 2016

Sony has set Green Management 2020 environmental mid-term targets spanning from fiscal 2016 through fiscal 2020, and is now focused on meeting these new targets. For more information, please visit below link.

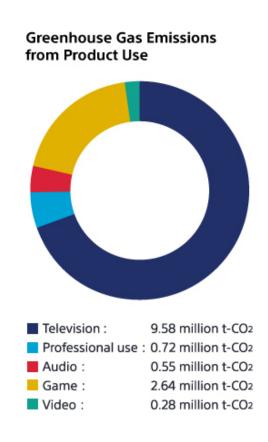
"Green Management 2020" Environmental Mid-Term Targets

Updated on September 7, 2016

Reducing Greenhouse Gas Emissions

Energy Consumption per Product Reduced by 33% from the Fiscal 2008 Level

Sony products consume electrical power while used by their owners, resulting in indirect emissions of CO2. Under the Green Management 2015 mid-term environmental targets, Sony worked to reduce annual energy consumption per product from product use by 30% from the fiscal 2008 level by fiscal 2015. The main effort toward this end was incorporating energy-saving features in a wide range of product categories. In fiscal 2015, the last year of Green Management 2015, Sony annual energy consumption per product was 33% lower than in fiscal 2008. Sony's total CO2 emissions over the entire life cycle of all



products sold in fiscal 2015 were approximately 13.77 million tons, which was 6% lower than in fiscal 2014, mainly due to the decreased energy consumption of game consoles.*1 Under Green Management 2020, which started in April 2016, Sony is working to build even more energy-saving features into its products in order to achieve the new target for fiscal 2020 of reducing annual product energy consumption*2 by an average of 30% compared to the fiscal 2013 level.

For the Next Generation

- *1 In theory, emissions during product use in the current fiscal year should be calculated from the total quantity of electrical power consumed by previously sold Sony products that are still in use by consumers in the current fiscal year. However, given the difficulty of determining how many previously sold Sony products are still in use by consumers of the total number of Sony products sold to date, Sony uses the total quantity of electrical power consumed while in use over the lifetime of Sony products sold in the current fiscal year as an indicator for CO2 emissions during use.
- *2 Energy-using products which operate the intended main function with energy input from the main power source (the main electricity grid)

Reducing Product Power Consumption

Sony sets specific fiscal year targets to reduce product energy consumption in every product category. To achieve these targets, Sony engages in ongoing technology development to improve energy efficiency, while continually studying products for potential improvements and implementing diverse measures to reduce energy consumption. Regulations governing energy efficiency of products, such as the Energy-related Products Directive (ErP) enacted in the European Union in 2010, are enforced in countries around the world, and Sony products are ready for compliance in every country before these regulations go into effect.

Click here for Sony and the Environment, which features detailed information on environmental initiatives.

Reducing the Power Consumption of Action Cam

Reducing the Power Consumption of Data Projectors

Reducing the Power Consumption of Speakers with the Use of Magnetic Fluid

Updated on September 7, 2016

Environmentally and Socially Beneficial Products and Services

Digital Cinema Systems

Sony developed the HDW-F900, the world's first digital video camera for cinema production, back in the year 2000. Then, in 2006, Sony released 4K digital cinema projection systems featuring Sony SXRD projectors. These products helped usher in the era of energy- and resource-saving digital cinema, replacing traditional film, which uses water and chemicals for film manufacturing and processing. In addition to conserving resources, digital film distribution to theaters is simplified using hard disks, which is much more efficient than transporting cases of traditional film. In 2013, Sony released the PMW-F55 CineAlta 4K camera, which supports 4K capturing in a compact package that consumes even less power.



PMW-F55 CineAlta 4K camera



Sony Digital Cinema 4K™ cinema projection system SRX-R320 (left) and SRX-R515P (right)

Video Conferencing Systems

Corporate meetings that require employees to travel from other locations generate CO2 emissions. The more meetings are held, the more transportation-driven emissions there are. To address this, Sony supplies video conferencing systems to help reduce CO2 emissions associated with employee travel. Sony is improving various aspects of the video



PCS-XG100 HD video conferencing system

conferencing experience, including image and audio quality, while increasing the number of locations that can join a single conference. The goal is to deliver a realistic conferencing experience that enables corporations to adopt video conferencing and reduce employee travel.

FeliCa™ IC Card Passenger Ticketing Systems

Sony's smart card passenger ticketing system, based on FeliCa™ contactless IC card technology, is helping to alleviate air pollution in Bangladesh, India. The city is facing serious air pollution issues due to increasing traffic congestion. The national bus company decided to adopt a FeliCa™ smart card passenger ticketing system in order to encourage the residents of Bangladesh to use municipal buses. The FeliCa™-based system has made it easier for users to get on and off buses. This added convenience has attracted more riders, which is in turn helping to alleviate traffic congestion.

For more information, please refer to "Solving Social Issues in Urban Bangladesh by Utilizing IC Card Technology" in the CSR Reporting section

Digital Paper

Sony has been offering Digital Paper devices since 2013, featuring displays that use original Sony technology to render fine text so that it appears as sharp and readable as printed text. These devices ship with a stylus that enables users to take notes just as easily and smoothly as when using real paper. Major paper users such as universities and offices are adopting



DPT-S1 Digital Paper

this digital paper technology to go paperless and conserve resources.

Energy Storage Systems Using Olivine-Type Lithium-Ion Iron Phosphate Rechargeable Batteries

In 2009, Sony developed an olivine-type lithium-ion iron phosphate rechargeable battery, and later in 2011 developed a commercial energy storage system for household and business use based on energy storage modules built from these batteries. In 2014, Sony further extended the longevity, safety, and fast-charging capabilities of its olivine-type lithium-ion iron phosphate batteries,



Large-scale energy storage system housed in a 40-foot container

and developed a control integrated circuit and software enabling multiple energy storage modules to be connected either in series or parallel. Sony is involved in a joint venture with Hydro-Quebec, Canada's largest power utility, to leverage this original technology to develop large-scale energy storage systems for power utilities. Sony Energy Devices Corporation also has a large-scale energy storage

system operating in Japan. These large-scale energy storage systems are expected to enable the stable use of renewable energy and supply power in a disaster.

Characteristics of Sony's Olivine-type Lithium-ion Iron Phosphate Secondary Batteries

Long Life

Can be used for more than 10 years*, and reduces environmental burden through long, repeated use

Excellent safety

High thermal stability to prevent overheating

Rapid Charging

Can be charged to 99% capacity within 30 minutes

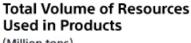
^{*} Based on fully charging and discharging daily at room temperature (23°C)

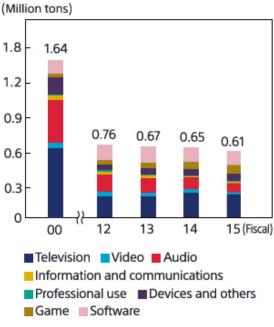
Updated on September 7, 2016

Conserving Resources

Resources Used in Products Reduced by 7% from Fiscal 2014

Under the Green Management 2015 mid-term environmental targets, Sony worked to reduce the virgin plastic utilization rate*1 by 5 percentage points and the average mass of products by 10% from the fiscal 2008 level by fiscal 2015. This was done by stepping up efforts to use reused/recycled materials in products and to reduce product weight. In fiscal 2015, the last year of Green Management 2015, Sony reduced the virgin plastic utilization rate by 4.3 percentage points and the average mass of products by approximately 30%, compared to the fiscal 2008 level. For products sold in





fiscal 2015, Sony used a total volume of resources of approximately 610,000 tons,*2 which was down around 7% from fiscal 2014. Major factors in this were the weight reduction of products and packages, particularly televisions and game consoles, as well as a sales decline in some product categories.

Under Green Management 2020, which started in April 2016, Sony is working on further resource-saving measures to achieve the new target for fiscal 2020 of reducing use of virgin plastics per product by 10% compared to the fiscal 2013 level.

- *1 Virgin plastic utilization rate: Percentage of plastics used accounted for by petrochemicalderived plastics
- *2 Total volume of resources used: Total weight of resources used in products, accessories, instruction manuals and packaging materials. The weight of total products shipped is used to represent this value.

Reducing the Use of Resources in Products

In all product categories, Sony promotes the development of more lightweight and compact products and is expanding the use of recycled materials with the aim of minimizing the use of new resources. Furthermore, to make it easier to recycle products after disposal, ease of disassembly is included in Sony's product design criteria.

Click here for Sony and the Environment, which features detailed information on environmental initiatives.

Reducing the use of resources in Interchangeable-lens digital camera $\alpha 7$

Reducing the use of resources in Action Cam

Reducing the use of resources in the Digital 4K camcorder Handycam®

Creating Environmentally Conscious Packaging

Sony is promoting the conservation of resources for product packaging disposed of by the consumer. Efforts include minimizing product packaging and expanding the use of recycled materials (recycled plastic, paper and other materials).

Click here for Sony and the Environment, which features detailed information on environmental initiatives.

Packaging Made with Post-Consumer Recycled PET Bottles

Minimizing Packaging for the Digital 4K Video Camera Handycam®

Digitization of Product Manuals

Sony is conserving resources by making documentation digitally available for downloading, while working to keep documents readily understandable as documentation volume grows in support more multi-functional products. As a result, customers can more readily view documentation on a variety of devices including PCs, tablets, and smartphones, while the amount of paper used to print documentation is being reduced. Fewer printed pages also mean less carbon emissions from printing and having to ship documentation with products.

Textless Startup Guide

As part of initiatives to conserve resources in documentation, Sony has adopted Textless Startup Guide for Sony Walkman® and headphone products sold in markets outside of Japan. The universal Startup Guide, which are included with each product, use illustrations to guide consumers through setup and basic operation, replacing multilingual documentation that used to be written in as many as



Textless Startup Guide for Sony Walkman® products sold in markets outside of Japan

nine languages. With Textless Startup Guide, consumers can directly comprehend the instructions no matter what language they speak, and without having to look

up the instructions in their preferred language. The use of Textless Startup Guide enabled Sony to reduce approximately 16.7 tons of paper in fiscal 2015 for Sony Walkman® and headphone products, which was a 23.8% reduction from fiscal 2014 levels. Textless Startup Guide also reduce the bulk and weight of product packaging. Sony received a Good Design Award 2015 in recognition of its fresh approach to using textless documentation.

Sony Financial Group—Going Paperless

The Sony Financial Group is reducing the use of paper for contracts and transactions, both to conserve paper resources and reduce mailing that produces carbon emissions. In October 2012, Sony Life Insurance Co., Ltd. updated its sales support system through the large-scale deployment of some 5,000 devices, which enable staff to electronically fill out insurance applications, effectively making the process paperless. Sony Bank Inc. encourages customers to sign up to digitally receive records for investment trust transactions, while Sony Assurance Inc. enables consumers to apply for vehicle insurance online, eliminating the printing and mailing of application forms. Consumers who apply for vehicle insurance online can also opt out of receiving a printed copy of their insurance papers, receiving a 500-yen discount off the price of their insurance for going paperless.

Updated on September 7, 2016

Using Recycled Plastics

Using Over 16,000 Tons of Recycled Plastics Annually

With the aim of eliminating the use of virgin materials such as oil and copper that have been identified as key resources, Sony is actively expanding the use of recycled plastics in products. In the fiscal 2015, the Sony Group currently uses more than 16,000 tons of recycled plastics annually in various products*1, including televisions, audio products, PCs and digital still cameras and recording media. Approximately 65.1% of the total volume comes from scraps from the production processes at manufacturing sites inside and outside of the Sony Group, while the remaining approximately 34.9% is post-consumer recycled plastics, that is, plastics recycled from used products and packaging. To further increase the use of such plastics, Sony is advancing the development of technologies and the adoption of recycled plastics in Sony products.

- *1 Gross value including virgin plastics and additives that are mixed with recycled materials
- *2 Net value excluding virgin plastics and additives that are mixed with recycled materials

Click here for Sony and the Environment, which features detailed information on environmental initiatives.

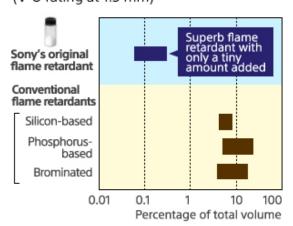
Action Cam manufactured with recycled plastics

Handycam® digital 4K camcorder with recycled plastics

SORPLAS™, Sony's Original Flame-Retardant Recycled Plastic

In 2011, Sony began practical use of Sustainable Oriented Recycled Plastic (SORPLAS™), a flame-retardant recycled plastic made possible by a proprietary compounding technology that combines an original, non-halogen and non-phosphorus, flame retardant —itself produced using a Sony-developed process—and waste plastics (polycarbonate resin) from various sources in an optimal blend. Thanks to Sony's novel flame-retardant,

Volume of additive required for material to meet flammability standard (V-O rating at 1.5 mm)



which makes it possible to impart flame-retardancy by the addition of a very small amount of less than 1% or less of total content, SORPLAS™ not only surpasses conventional flame-retardant plastics in terms of durability, flame-retardancy and recyclability, but also achieves an outstanding utilization rate of up to 99% waste plastics. The effective utilization of SORPLAS™ has been shown to reduce CO2 emissions in product manufacturing by up to 80%.*1 Moreover, Sony's versatile waste-plastic compounding technology makes it possible to tailor SORPLAS™ to the needs of a variety of products. In fiscal 2015, SORPLAS™ was used in Sony products like the 4K-compatible LCD TV Bravia™ XBR-75X910C and the 4K Handycam® FDR-AXP35. Additionally, in October 2014, sales of three different types of SORPLAS™ outside of Sony began.*2 Sony will continue to make SORPLAS™ widely available also outside the group, promote resource recycling, and contribute to a society with a reduced environmental impact.

- *1 In the case of SORPLAS™ in the BRAVIA™ LCD TVs KDL-40EX52H. Based on Sony calculations, assuming plastic manufacturing (including shipping)
- *2 News Releases: Sony commences external sales of SORPLAS™ flame-retardant recycled plastic material that achieves high durability and heat resistance, and comprises up to 99% recycled content

Click here for Sony and the Environment, which features detailed information on environmental initiatives.

Using SORPLAS™ in the Handycam® digital 4K camcorder

[Spotlight] SORPLAS™—Sony's Recycled Plastic for a More Sustainable Future

Updated on September 7, 2016

Management of Chemical Substances

Sony's Proprietary Global Standards for the Management of Chemical Substances

Many of Sony's electronics products contain between a few hundred and a few thousand parts that are made of a variety of chemical substances, some of which may be classified as hazardous and may harm the environment if they are not properly controlled prior to product disposal.

To prevent such environmental harm, some countries and regions have introduced laws and directives, such as the European Union's Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive*1 restricting certain chemical substances in products. In Japan, products that contain certain chemical substances are required to carry the J-Moss mark*2, while in China it is required to disclose information on chemical substances contained in products in line with the Management Methods on the Pollution Control of Electronic Information Products, often referred to as China RoHS*3.

In light of the global nature of its markets and supply chains, Sony has established its own global standards for the management of chemical substances, titled "Management Regulations for the Environment-related Substances to be Controlled which are Included in Parts and Materials" (SS-00259)*4, taking into account the related laws and regulations around the world and simultaneously the opinions of various stakeholders. In line with these standards, Sony ensures globally consistent management of chemical substances in parts and materials.

- *1 Directive on the restriction of the use of certain hazardous substances in electric and electronic products (RoHS) (Enforced in 2006 and revised in 2011)
- *2 Japanese Industrial Standards (JIS) for marking the presence of certain chemical substances in electrical and electronic equipment
- *3 Management Methods on the Pollution Control of Electronic Information Products is a regulation passed in 2007 in China, to regulate the use of six substances, including lead and mercury, in electronic products and components sold in the Chinese market. All electronics and information devices sold in China must bear the "Environmental pollution control mark," "Information on chemical substances content," and "Packaging materials recycling mark."
- *4 Sony standards that are used to give direction to suppliers on chemical substances for items procured by Sony. These standards classify chemical substances as those that must be banned immediately, those for which a period for phaseout is individually set and those for which no deadline is set for ban of use but phasing out is planned. (For details, visit: Management Regulations for the Environment-related Substances to be Controlled which are Included in Parts and Materials (SS-00259).)

Complying with Regulations Governing Chemical Substances in Products

Sony has set up necessary procedures to ensure compliance with the EU's REACH*1 regulation requirements and revised RoHS Directive. In response to its obligation under REACH to provide information to customers, as well as to the CE marking requirement of the RoHS directive, Sony currently uses the Green Procurement Survey Response Tools standard*2 issued by the Japanese VT62474*3 committee of the International Electrotechnical Commission (IEC). This enables Sony to collect data on specified chemical substances in parts and materials purchased from suppliers for management in an internal database.

- *1 REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals): Regulation for managing chemical substances introduced in the EU effective June 1, 2008, whereby companies that meet certain conditions are required to, among others, register, apply for authorization, notify, restrict and communicate information on certain chemical substances. Information on REACH can also be found at Environmental Management (only available in English).
- *2 Maintaining the electronic data format defined by the Japanese Green Procurement Survey Standardization Initiative (JGPSSI) for material declaration, the Japanese VT62474 committee issued a survey tool that covers additions to the list of declarable substances. The tool includes information on, among others, presence in parts, applications and sites where used.
- *3 The Japanese VT62474 committee was established in April 2012 as a subcommittee of the IEC under IEC TC111 technical committee for environmental standardization for electrical and electronics products and systems. Functioning primarily as a screening body in Japan, the Japanese VT62474 committee is responsible for summarizing opinions and providing information for the IEC's VT62474 project team, which is charged with updating the list of declarable substances in the IEC62474 database.

Three Core Principles for Managing Chemical Substances in Products

To guide its efforts to manage chemical substances in products in compliance with Sony's own global standards for management of chemical substances, titled "Management Regulations for Environment-related Substances to be Controlled which are included in Parts and Materials" (SS-00259), Sony has established three core principles:

Upstream management

In 2002, Sony established the Green Partner Environmental Quality Approval Program, which outlines Sony's Green Partner Standards for chemical substance management. Sony audits suppliers based on these standards. Sony purchases electronic parts only from suppliers who have passed this audit and have been

certified as Green Partners. Sony also applies the Green Partner Environmental Quality Approval Program to manufacturing partners. To further enhance the efficiency of the system to manage chemical substances, in autumn 2003 Sony introduced the Green Book, a raw materials database, which was made available to Sony's direct suppliers via its electronic supplier portal. In the Green Book, Sony has registered only those materials that it has measured and confirmed compliance with the SS-00259 standards for Sony's designated raw materials such as recycled plastics and wires, and also for molding resins, paints, inks, printed wiring boards, steel sheets, adhesives and other basic materials that are commonly used by multiple first tier suppliers. To assist REACH compliance, Sony started by October 2008 to collect for raw materials listed in Green Book data on the content of certain chemical substances and makes these data available to its suppliers and manufacturing partners.

Management in Quality Control/Quality Assurance processes

New parts and materials are tested to ensure conformity with SS-00259 standards in addition to compliance with conventional quality control standards. Data collected from suppliers based on JGPSSI format* are thoroughly evaluated for this purpose. By implementing these strict management procedures worldwide, incompliant products are prevented from entering the market.

* Electronic data format defined by JGPSSI (Japanese Green Procurement Survey Standardization Initiative) for material declaration that includes information on mass contained in parts, purpose of use, sites where used, etc., of declarable substances. Sony is currently promoting the use of the Green Procurement Survey Response Tools standard (formerly JGPSSI) issued by the Japanese VT62474 committee of the International Electrotechnical Commission (IEC).

Utilization of chemical analysis

To prevent prohibited substances from accidentally entering products, suppliers are required to submit certificates of non-use attesting that the parts and materials they supply do not contain prohibited chemical substances as well as the JGPSSI

data. For some high-risk substances Sony has also implemented internal control systems that involve using, for example, X-ray fluorescence (XRF) and other measurement devices, to Sony sites worldwide, to help confirm that prohibited substances are kept out of products.

Suppliers OEM Sony Green Partner Auditing Suppliers Management Regulations Raw materials for Environment-related suppliers Inspection Design production / Substances to be controlled which are Included in Parts and Materials (SS-00259) Inventory management Certificate of Measurement Measurement Non-Use JGPSSI date Customers Parts suppliers Information Raw materials **Parts** database* database ("Green Book")

System for Managing Chemical Substances in Products

* For direct suppliers, the Green Book was made available via its electric procurement system in autumn 2003

Substance Management in Xperia™ Smartphones and Tablets

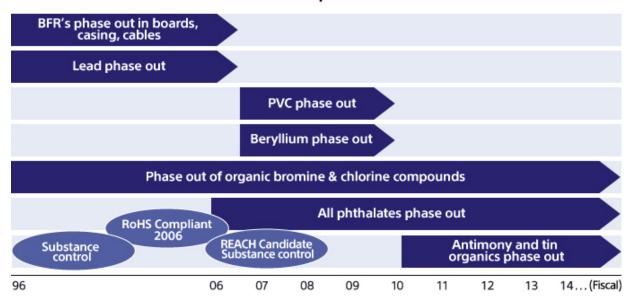
Sony Mobile Communications inc. (SOMC) is promoting efforts to manage chemical substances in its Xperia™ Smartphones and tablets. Starting in 2002 and known as one of the first companies in the industry to phase-out brominated flame retardants (BFRs) in mobile phone (circuit boards, cables and casings). Since then SOMC has continued the journey and phased out BFRs (all applications), chlorinated flame retardants (CFRs), polyvinyl chloride (PVC), Phthalates, Beryllium, and Antimony (except ceramics and solder).

Going forward, SOMC will continue phasing out all brominated and chlorinated compounds as well as Antimony.

For details on the management of chemical substances for Xperia[™] see the "Sustainability Substance control" page at this website: Sustainability/Substance control

For details on SOMC critical substances, see the Sony Mobile Critical Substance List at: Sony Mobile Critical Substance list

Phase out of critical substances in mobilephones



Note:Since fiscal year 2013, Sony has also been promoting the phaseout of critical substances in smartphones and tablets in accordance with the timeline shown above.

Information on "Color IQ™"* Incorporated in Some Television Models

BRAVIA™ LCD TV models: X9200A, X9000A/X900A, W950A, W900A, W850A

Note:The series of LCD televisions above will be launched in various countries around the world, with some models incorporating "Color IQ™." For more details on these models, please visit the appropriate Sony website in each country.

"Color IQ™" is an advanced light-emitting semiconductor technology developed by QD Vision, Inc. By integrating QD Vision's "Color IQ™" optical component with Sony's unique display technologies, this television set achieves a significantly wider color gamut, which provides a far more natural and vivid viewing experience. The "Color IQ™" optical component produced by QD Vision contains a very small quantity of cadmium. This cadmium is fixed within a hardened resin which is sealed in glass inside the television. Customers can therefore enjoy using this television without being exposed to cadmium.

This television complies with all applicable environmental laws and regulations in countries and regions where Sony sells it. Sony's aim is to protect the environment throughout the life cycle of its products. As part of this effort, Sony provides its consumers, authorized repair workshops and recycling companies with information relating to the "Color IQ™" component in order to enable proper collection, handling, recycling and disposal of the component upon repair or disposal of the television, in accordance with applicable local environmental laws and regulations.

* "Color IQ™" and the "Color IQ™" logo are trademarks of QD Vision, Inc.

Frequently Asked Questions (FAQs)

Management of Chemical Substances in Packaging Materials

Sony also takes precautions to increase the safety of its packaging materials and ensure that hazardous substances, including heavy metals, are not mixed into packaging materials by managing materials in line with its proprietary "Management Regulations for Environment-related Substances to be Controlled which are included in Parts and Materials" (SS-00259). The packaging section of SS-00259 is based on, among others, EU directives on packaging and packaging waste. Sony is also actively making use of inks that comply with "Voluntary Regulation Concerning Printing Inks (Negative List Regulations)" put forward by the Japan Printing Ink Makers Association, as well as inks that do not contain Volatile Organic Compounds (less than 1% use of VOCs).

Updated on September 7, 2016

Reduction and Replacement of Chemical Substances of Very High Concern

Sony defines "Environment-related Substances to be Controlled" (hereafter "Controlled Substances") as certain chemicals that it has determined to have significant impact on both humans and the global environment, including substances that may not be controlled by laws. (Please refer to the list "'Controlled Substances' Defined by Sony.") Sony either prohibits the use of these substances in parts or phases them out wherever a viable alternative that meets all product quality and technical requirements is available. In its Green Management 2020 mid-term management targets, Sony specifies high-risk applications from collected application- and content-related information, considering the hazardous nature and extent of exposure (volume) as risk factors, and plans to prohibit the "Controlled Substances" in the specified use.

"Controlled Substances" Defined by Sony		
Cadmium and cadmium compounds	Lead and lead compounds	
Mercury and mercury compounds	Hexavalent chromium compounds	
Polybrominated biphenyls (PBB)	Polybrominated diphenylethers (PBDE) (including decabromodiphenyl ether [DecaBDE])	
Hexabromocyclododecane (HBCDD)	Other brominated organic compounds	
Polychlorinated biphenyls (PCB)	Polychlorinated naphthalenes (PCN)	
Polychlorinated terphenyls (PCT)	Short-chain chlorinated paraffins (SCCP)	

Tris(2-chloroethyl) phosphate (TCEP), Tris(2-chloro-1-methylethyl) phosphate (TCPP), Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	Perchlorates	
Polyvinyl chloride (PVC) and PVC	Other chlorinated organic	
blends	compounds	
Hydrofluorocarbon (HFC), Perfluorocarbon (PFC), Sulfur hexafluoride (SF6)	Ozone depleting substances (ODS)	
Hydrochlorofluorocarbons (HCFC)	Perfluorooctane sulfonates (PFOS)	
Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA	Trisubstituted organotin compounds (including tributyltin (TBT) compounds and triphenyltin (TPT) compounds)	
Dibutyltin (DBT) compounds	Dioctyltin (DOT) compounds	
2-ethylhexyl 10-ethyl-4,4-dioctyl- 7-oxo-8-oxa-3,5-dithia- 4-stannatetradecanoate (DOTE)	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa- 3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]- 2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa- 3,5-dithia-4-stannatetradeca noate (reaction mass of DOTE and MOTE)	
Beryllium oxide	Beryllium copper	
Cobalt dichloride	Diarsenic trioxide, Diarsenic pentaoxide	
Bis (2-ethylhexyl)phthalate, Dibutyl phthalate, Benzyl butyl phthalate, Diisobutyl phthalate		

Di-isononyl phthalate, Di-isodecyl phthalate, Di-n-octyl phthalate, Di-n-hexyl phthalate,

"1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich",

"1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters",

Bis(2-methoxyethyl) phthalate, Diisopentylphthalate,

"1,2-Benzenedicarboxylic acid, dipentylester, branched and linear",

N-pentyl-isopentylphthalate,

Dipentyl phthalate, "1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear "

Asbestos	Specific azo compounds
Formaldehyde	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene (BNST)
2-benzotriazol-2-yl-4,6-di-tert-	2-(2H-benzotriazol-2-yl)-
butylphenol (UV-320)	4,6-ditertpentylphenol (UV-328)
Dimethyl fumarate (DMF)	Polycyclic aromatic hydrocarbons (PAHs)
Boric acid, specific sodium borates	4-(1,1,3,3-tetramethylbutyl) phenol
Bis(2-methoxyethyl) ether	N,N-dimethylacetamide (DMAC)
Ethylene glycol dimethyl ether (EGDME)	Trixylyl phosphate (TXP)

Note: Control level varies depending on application.

Polyvinyl Chloride (PVC)

Although PVC is not currently regulated by any laws that apply to chemical substances used in electronic products, Sony continues to promote the use of alternatives. As a result, Sony does not use PVC in product packaging materials (with the exception of some packing materials for devices, semiconductors, batteries, and similar items), sheets/laminates of speaker housings, contactless IC cards and carrying bags/cases for products (excluding those for professional use).

Sony has also been successful in replacing PVC by a developed alternative in several internal components such as flexible flat cables, insulation plates and electrical heat shrink tubes (excluding those for batteries), all of which are difficult to remove prior to recycling. Sony is concerned with the possibility that, in particular, its small electronics products could be collected for obtaining valuable materials, and then the unwanted parts could be improperly incinerated and disposed of in landfills. Considering the impact of these activities on the environment, Sony is promoting the replacement of PVC with alternative substances (for products where quality, technological and supply problems have been resolved).

As of the end of July 2014, Sony replaced PVC in the following products with alternative substances in new products and new models. In addition to information on product categories provided below, follow the link for "Examples of PVC-Free Products and BFR-Free Products."

PVC-Free Product Categories*
Xperia™ Smartphone
Xperia™ Tablet
MP3 players WALKMAN®
IC recorder/ Portable Radio Recorder
Video Camera Handycam®
Video Camera Action Cam
Digital Still Camera Cyber-shot™
Interchangeable lens digital camera α™
PlayStation®Vita
Portable DVD Player
Portable Blu-ray Disc™/DVD Player
Memory Stick™
SxS™ memory card

* Parts in which PVC is eliminated are as below:

Xperia™ Smartphones and Tablets: in all plastic components

Products other than Xperia™ Smartphones and Tablets: in casings and internal wiring (excluding accessories)

Brominated Flame Retardants (BFRs)

Some BFRs are harmful to human health and tend to remain in the environment and accumulate in living organisms.

As is the case with PVC, improper incineration of BFRs carries a risk of releasing harmful substances into the environment. Sony has replaced BFRs with alternative substances in new products and new models, for all



BFR alternatives have been used in the main PWB of Xperia™ X

products where quality, technological and supply problems have been resolved. As of July 2014, Sony had replaced BFRs with alternative substances in all new products and new models of the products listed below. For more information, refer to the table titled "Examples of PVC-Free and BFR-Free Products."

BFR-Free Product Categories*	
Xperia™ Smartphone	
Xperia™ Tablet	
MP3 players WALKMAN®	
IC recorder / Memory Card Recorder / Portable Radio Recorder / Linear PCM	
Recorder	
Video Camera Handycam®	

Video Camera Action Cam
Digital Still Camera Cyber-shot™
Interchangeable lens digital camera α™
PlayStation®Vita
Portable DVD Player
Portable Blu-ray Disc™/DVD Player
Memory Stick™
SxS™ memory card

In accordance with the 13th edition of the SS-00259, released in 2014, Sony has banned the use of components and materials containing hexabromocyclododecane in its products. This is in addition to a ban on components and materials containing polybrominated diphenyl ethers and polybrominated biphenyls. Sony has also banned the use of tris (2-chloroethyl) phosphate, a chlorinated flame retardant identified as carrying risks similar to those associated with brominated flame retardants, as well as phosphoric acid tris (2-chloro-1-methylethyl) ester (TCPP) and tris (1,3-dichloro-2-propyl) phosphate (TDCPP).

Sony has also developed an environmentally conscious flame retardant that contains no bromine, to be used for polycarbonate plastic with high flame-retardant and thermal-resistant properties. This flame retardant is used, for example, in casings and components for interchangeable lens digital cameras, including the α TM 58, and in internal parts of Cyber-shotTM digital still cameras.

* Parts in which BFRs are eliminated are as below:

Xperia™ Smartphones and Tablets: All applications.

Products other than Xperia™ Smartphones and Tablets: in casings and main PWBs (excluding accessories)

Minamata Convention on Mercury

Sony has actively worked to eliminate mercury from its products. In 2004, Sony solved the major technical hurdle of eliminating mercury from silver oxide batteries, and it began shipping the world's first mercury-free silver oxide batteries in commercial quantities the following year. In 2009, Sony solved another major technical hurdle by developing mercury-free alkaline



Mercury-free alkaline button battery

button batteries, and it began shipping them in commercial quantities later that year. Sony has already ceased manufacturing and marketing products containing mercury, ahead of a complete ban on manufacturing and importing mercury-containing products by 2020 under the Minamata Convention on Mercury.*

* The Minamata Convention on Mercury is an international treaty containing stipulations to reduce the risk to human health and the environment from mercury. The treaty addresses everything from primary mercury mining to mercury-containing products, mercury use in manufacturing processes, mercury emission and release into the environment, and waste. The Convention was adopted and signed at a Diplomatic Conference in Kumamoto, Japan in October 2013.

Phthalates

Sony is working to eliminate specific phthalates (phthalic esters), which are used as plasticizers in PVC, among other substances. Among these specific phthalates, for example, Sony has succeeded in eliminating phthalates the DEHP, DBP, BBP, DIDP, DNOP and DINP* from Xperia™ Smartphones. Sony has also eliminated the use of phthalates in the bodies of PSP® (PlayStation® Portable) units and in the AC adapters packaged with those units shipped to Europe.



* DEHP: Bis (2-ethylhexyl) phthalate, Di (2-ethylhexyl) phthalate; DBP: Dibutyl phthalate, Di-n-butyl phthalate; BBP: Benzyl butyl phthalate, Butyl benzyl phthalate; DIDP: Di-isodecyl phthalate; DNOP: Di-n-octyl phthalate; DINP: Di-isononyl phthalate.

Beryllium Compounds

Sony has designated beryllium oxide and beryllium copper as "Controlled Substances" since 2007 and is working to eliminate these substances. No beryllium oxide is used in any of its products. Sony has also succeeded in eliminating beryllium compounds from Xperia™ Smartphones.

Arsenic Compounds

In accordance with the 13th edition of the SS-00259, released in 2014, Sony has banned the use of LCD panels containing diarsenic trioxide and diarsenic pentoxide.

Updated on September 7, 2016

Creating Environmentally Conscious Products

Examples of Environmental Features in Sony Products

Sony makes products that are not only superior in terms of functionality, performance, and quality, but also impose less of an environmental impact and are much loved by their users. Some of the best examples of such products are introduced on the Sony and the Environment website.

Environmental Features in Sony Products

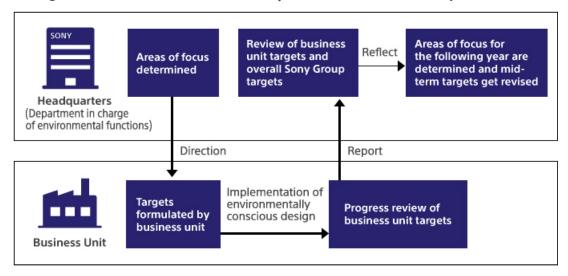
Click here to proceed to the Sony and the Environment website.

Promoting Environmentally Conscious Design

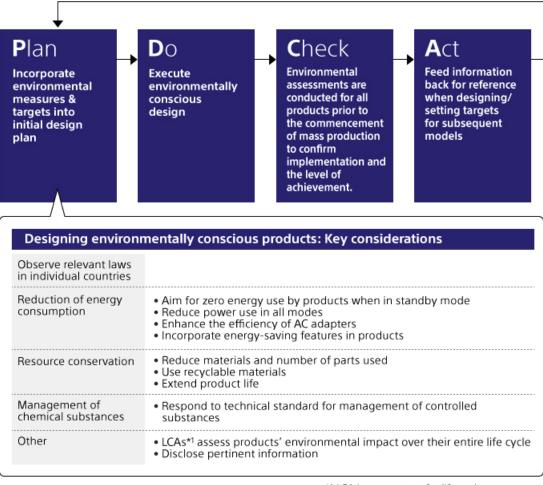
The Sony Group's mid-term targets include targets for products, which involve the reduction of annual power consumption, the promotion of resource conservation and the management of chemical substances. Business units formulate annual targets that are consistent with environmental mid-term targets and reflect the unique characteristics of each product category, and regularly review progress toward achieving these targets, subsequently reporting their findings to the department in charge of environmental functions at Sony's headquarters. In turn, the environmental functions at the headquarters evaluate the targets and progress of each business unit, using these evaluations as the basis for its review of the Sony Group's progress toward achieving its environmental mid-term targets. Based on the results of this review, Sony determines areas of focus and revises targets for the subsequent fiscal year. By thus setting specific targets and

conducting environmental assessments for all products, Sony is stepping up efforts to develop environmentally conscious products.

Management Structure for Environmentally Conscious Product Development



PDCA Cycle for Environmentally Conscious Products Design



*1 LCA is an acronym for life cycle assessment.

Designing Recyclability into Products

One initiative Sony is taking to ensure that its products are environmentally responsible involves designing them with recyclability in mind. This means, for example, reducing the number of screws, and labeling the material type of plastic used in parts to make it easier to extract resources from used products during recycling. For example, Sony has issued Environmental Design Standards and Guidelines for TVs, which are used when planning and designing new



Some of the 2015 Bravia[™] flat-screen televisions feature a slide-lock structure that requires fewer screws.

products. These design standards and guidelines reflect the trends in regulations inside and outside of Japan as well as Sony's mid-term environmental targets. Additionally, Sony conducts an annual review and revision of these guidelines based on industry trends and the latest recycling information, which is gathered via regular sharing of information and opinions with the Green Cycle Corporation, a Sony Group company engaged in the recycling business.

Updated on September 7, 2016

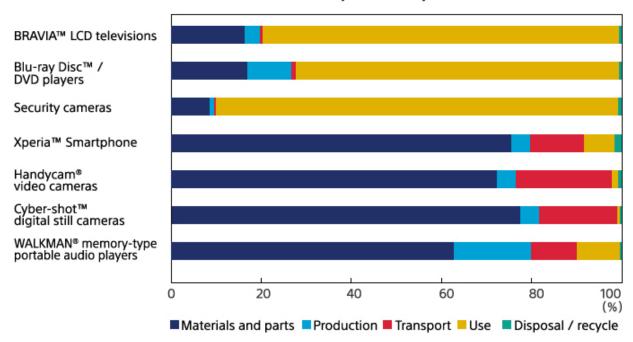
Conducting an Life Cycle Assessment (LCA)

Sony conducts product life cycle assessments (LCAs) on products for all major electronics categories, with the aim of identifying and quantifying the environmental impact of products at all stages of their life cycles that include materials and parts production, product assembly and transport, product use and standby mode, and end of life (i.e., disposal and recycling). LCAs help us to clarify priorities for product improvement and environmental impact reduction measures.

As shown in the chart titled "Breakdown of CO2 Emissions Over the Life Cycle of Sony Products," we see that the life cycle stages responsible for generating a large portion of a product's CO2 emissions differ depending on the product category. For example, for product categories in the upper part of the chart, emissions during product use account for a large proportion of total emissions. For this reason, reducing the power consumption of these products during use is particularly important. Conversely, among the product categories in the lower part of the chart, rather than during use, a large portion of CO2 emissions occur at the manufacturing stage and in the production of materials and parts. For these products, such measures as reducing the parts count are crucial in lowering life cycle CO2 emissions.



Breakdown of CO₂ Emissions Over the Life Cycle of Sony Products



Sony calculated the emissions based on the following assumptions:

- · Place of sale: Japan
- Product transportation: 500 kilometers by truck in Japan: by ship or by air for international transport
- Years of use: Walkman® Memory Type portable audio players: 5years: Cyber-shot™ compact digital camera:
 2.7 years: Handycam® digital camcorder: 6.4 years: Xperia™ Smartphone: 4years: Security camera: 7years:
 Blue-ray Disc™ / DVD players: 7years: BRAVIA™ LCD television: 10years
- * This chart shows the proportion of CO2 emissions at each stage of the life cycle. It does not indicate the size of environmental impact of these products.
- * The assumptions (usage assumptions, shipping distance, mode of shipping, manufacturing site assumptions, etc.) used for calculation of CO₂ emissions differ among products.

Updated on September 7, 2016

Reducing the Environmental Impact of Procurement

Environmental Mid-Term Targets for Procurement

In its Green Management 2015 environmental mid-term targets which ran through fiscal 2015, Sony set the following targets for procurement. To meet these targets, Sony focused on measuring greenhouse gas emissions, water consumption, and other factors at its suppliers.

Targets of "Green Management 2015" for Procurement

Climate Change	 Establish mechanisms to determine greenhouse gas emissions from suppliers. Contribute to the development of an industry-wide common reporting format. 	
Resources	Conduct procurement in ways that enable Sony to achieve the "Product Planning and Design" and "Logistics" targets.	
Chemical Substances	Conduct procurement in ways that enable Sony to achieve the "Product Planning and Design" targets.	
Biodiversity	Assess impact on biodiversity at mining and collection sites.	

Performance on Green Management 2015 Environmental Mid-Term Targets

For performance for each target, please visit below link.

Performance on Green Management 2015 Environmental Mid-Term Targets > Procurement

Environmental Mid-Term Targets from Fiscal 2016

Sony has set Green Management 2020 environmental mid-term targets spanning from fiscal 2016 through fiscal 2020, and is now focused on meeting these new targets. For more information, please visit below link.

"Green Management 2020" Environmental Mid-Term Targets

Links to Related Items:

Environmental Policies and Targets > Overview of Sony's Environmental Impact > Assessing Greenhouse Gas Emissions over the Entire Value Chain

Products and Services > Management of Chemical Substances > Three Core Principles for Managing Chemical Substances in Products

Promoting Green Purchasing

Having set internal standards for green purchasing, Sony makes a conscious effort to choose nonproduction materials when procuring printing paper, stationery and OA equipment, among others. Sony employs the same parameters when purchasing finished products, and is mindful when deciding purchasing volume to consider volumes used and inventory levels. In Japan, Sony chooses from among recommended products, giving consideration to environmental impact at all stages of a product's life, from resource extraction through to production, distribution, use and disposal. Information on recommended products is included in Sony's purchasing system of nonproduction goods, making it possible for individuals in charge of purchasing decisions to give priority to environmentally conscious products.

Updated on September 7, 2016

Environmental Mid-Term Targets for Operations

In its Green Management 2015 environmental mid-term targets which ran through fiscal 2015, Sony set the following targets for operations at its sites. To meet these targets, Sony pursued site greening and other efforts aimed at conserving biodiversity, while also undertaking environmental communication initiatives, embracing environmental technologies in manufacturing processes, promoting green purchasing practices and incorporating environmental perspectives when constructing buildings.

Targets of "Green Management 2015" for Operations

General	Conduct environmental assessments (including biodiversity impact assessment).		
Climate Change	Reduce absolute greenhouse gas emissions by 30% (compared with FY2000)		
Resources	 Reduce absolute waste generation by 50% (compared with FY2000) Improve waste recycling rate group-wide: 99% or more Reduce absolute water consumption by 30% (compared with FY2000) 		

Chemical Substances	Take actions for class 1 - 4. Detailed groups of chemical substances are described separately. Class 1 substances: Prohibit use. Class 2 substances: Eliminate use by a specified date. Class 3 substances: Reduce the amounts released and transferred. > Reduce the amounts released to water, and the amounts transferred to sewer / as waste (including VOC*) by 14% (compared with FY2008). > Reduce the amounts of VOC released to the air by 50% (compared with FY2000).		
	Class 4 substances: Comply with the relevant laws and regulations and use under appropriate control.		
Biodiversity, Contribution to Local Communities, Others	Promote environmental activities respecting the needs of the local community.		

^{*} Volatile organic compounds

Performance on Green Management 2015 Environmental Mid-Term Targets

For performance for each target, please visit below link.

Performance on Green Management 2015 Environmental Mid-Term Targets > Operations

Environmental Mid-Term Targets from Fiscal 2016

Sony has set Green Management 2020 environmental mid-term targets spanning from fiscal 2016 through fiscal 2020, and is now focused on meeting these new targets. For more information, please visit below link.

"Green Management 2020" Environmental Mid-Term Targets

Links to Related Items:

Environmental Communication

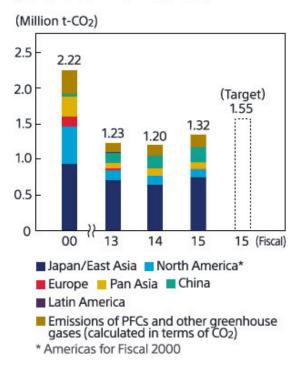
Updated on September 7, 2016

Reducing Greenhouse Gas Emissions

Greenhouse Gas Emissions Reduced by 41% from the Fiscal 2000 Level

Under the Green Management 2015 mid-term environmental targets, Sony worked to achieve an absolute reduction in greenhouse gas emissions (calculated in terms of CO₂) of 30% or more from the fiscal 2000 level by fiscal 2015. Main efforts toward this end included striving to reduce greenhouse gases such as CO₂ related to energy consumption and cutting emissions of perfluorocarbons (PFC^S) and other gases. In fiscal 2015, the last year under Green Management 2015, Sony's emissions of greenhouse gases* (calculated in terms of CO₂) totaled approximately 1.32 million tons. This represents an approximately 41%

Greenhouse Gas Emissions from Sites (Calculated in Terms of CO₂)



reduction from the fiscal 2000 level, although it was up 9.7% from the previous fiscal year. Greenhouse gas emissions per unit of consolidated net sales, or emissions intensity, were 0.11 tons of CO₂/million yen in Japan and 0.05 tons of CO₂/million yen outside Japan.

Under Green Management 2020, which started in April 2016, Sony is working on further energy-saving measures to achieve the new target for fiscal 2020 of reducing absolute greenhouse gas emissions at Sony sites by 5% compared to the fiscal 2015 level.

* Greenhouse gas emissions figures in this section represent total emissions after the subtraction of emissions offset by the use of renewable energy.

CO2 Emissions from Energy Use at Sites

In fiscal 2015, emissions of CO2 from energy use at Sony sites*1 accounted for approximately 1.14 million out of the approximately 1.32 million tons of total emissions at Sony, up by about 91,000 tons from fiscal 2014. CO2 emissions resulting from the use of energy at sites in Japan amounted to approximately 725,000 tons,*2 an increase of approximately 103,000 tons from fiscal 2014. These results are mainly due to an increase in device production volumes. CO2 emissions resulting from energy use at Sony sites include emissions from fuel used by Sony-owned business vehicles. In fiscal 2015, CO2 emissions resulting from fuel used in vehicles amounted to approximately 22,000 tons.

Going forward, Sony will take efforts to restrict greenhouse gas emissions through infrastructure-related measures, including the installation of high-efficiency equipment and the promotion of energy recycling, and to enhance nonstructural measures, notably the introduction of training programs designed to foster energy-saving leaders.

- *1 This includes CO2 emissions from fuel use of business vehicles owned by Sony.
- *2 Taking into account changes in the CO₂ conversion rate for the energy purchased in Japan, the amount of CO₂ emitted as a result of energy use in fiscal 2015 was approximately 104,000 tons.

Emissions of PFCs and Other Greenhouse Gases

PFCs and other greenhouse gases with high global warming potential are used in cleaning and etching processes in the manufacture of semiconductors and LCD panels. Emissions of PFCs and other greenhouse gases in fiscal 2015 (calculated in terms of CO₂) totaled approximately 171,000 tons, up about 25,000 tons from fiscal 2014. The main increase was attributable to an increase in device production volumes. Sony is taking further steps to reduce emissions, including installing gas abatement equipment.

Promoting Efficient Energy Use

To achieve its fiscal 2020 reduction targets, Sony is working on various energy conservation activities at its sites around the world. A sample of these initiatives follows.

Using Waste Heat from Air Conditioners in Semiconductor Cleanroom Facilities

Sony Semiconductor Manufacturing
Corporation's Nagasaki Technology
Center is working to improve air
conditioning systems with the goal of
conserving energy in cleanroom
facilities used to manufacture
semiconductors. Previous systems
consumed a great deal of energy
blowing clean air into cleanrooms and
cooling down waste heat generated by
the rooms' production equipment.



The two-fluid humidification system releases mist.

Focusing on waste heat generated by this equipment, the center installed waste heat recovery equipment and a two-fluid humidification system to effectively use

waste heat to power air conditioning equipment. By releasing mist to humidify and cool the room and facilitate transpiration that traps heat from the surrounding environment, two-fluid humidification establishes a system that is remarkably easy to control to ensure a stable air condition. Cleanroom facilities where semiconductors are manufactured must meet rigorous criteria, including precise humidity levels and temperatures. Utilizing two fluids, this humidification system not only meets these conditions, but also saves energy. The Nagasaki Technology Center capitalizes on the synergistic effect between the two-fluid humidification system and the use of recovered waste heat, which had previously been lost as surplus energy, to significantly reduce energy consumption in its cleanroom facilities. This initiative has become the new model for maintaining cleanroom humidity/temperature in the manufacture of semiconductors by Sony.

Effectively Using Waste Heat from the Production Process at Semiconductor Production Plants

Sony Semiconductor Manufacturing
Corporation's Kumamoto Technology
Center is working to save energy by
effectively using the waste heat
generated in its production processes.
The center uses heated pure water in
the semiconductor cleaning process, it
had been burning municipal gas and
fuel in a boiler to generate steam for
heating the water. To save energy, the
center switched to a hot water heating



A highly efficient heat recovery system was installed in the pure water room

method by efficiently recovering the waste heat from manufacturing machinery and using it as the heat source. This resulted in a considerable reduction in energy consumption compared to before installation, equivalent to a decrease of about 880 tons of CO₂.

The Eco Challenge Project: An Employee-Driven Initiative

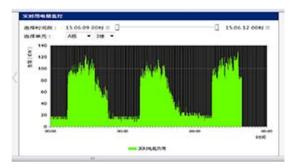
Sony promotes a broad range of energy-saving efforts at its sites around the world. In addition to increasing the energy efficiency of buildings and equipment, in recent years Sony has actively promoted the Eco Challenge Project, a program for reducing energy consumption that centers on manufacturing site employees. This project focuses on the formulation and implementation of energy-saving solutions for manufacturing sites, which consume more electricity than any other part of Sony's manufacturing operations. Employees set ambitious project targets and take steps to shed light on energy consumed in different manufacturing processes. This enables employees to identify unnecessary uses of energy in such processes, as well as to develop and test solutions and, having confirmed the effectiveness thereof, to effect ongoing improvements. Particularly outstanding solutions are subsequently expanded to other sites.

The Eco Challenge Project was launched in 2009 at Sony Corporation's Sendai Technology Center and Sony Storage Media and Devices Corporation's Tagajo site, which led to both sites undertaking a number of distinctive initiatives. After their effectiveness was demonstrated, these initiatives were then widely adopted by other sites such as production plants in Japan, Malaysia, Singapore, Australia, Thailand, India, and China as well as offices and logistics operations in the Pan-Asia region.

As the project expanded in scope, Sony EMCS (Malaysia) Sdn. Bhd. KL Tec initiated its Sustainable Energy Management Program. In recognition of the program, the company was selected as 2nd runner up in the 2014 ASEAN Energy Awards in the Large Industry category under Energy Management in Building and Industry. In 2015, the factory once again won the ASEAN Energy Award for Energy Management in Buildings and Industries - Industry Special Submission (Process Improvement) Category.



Sony Technology (Thailand) Co., Ltd. optimized the number of computers used on its production line automatic mounting process, enabling it to reduce their number by one-third.



In collaboration with general affairs and technical development departments, Shanghai Suoguang Electronics Co., Ltd. is deploying its independently developed energy management system to manage electricity consumption in real time and control equipment overnight to save energy.

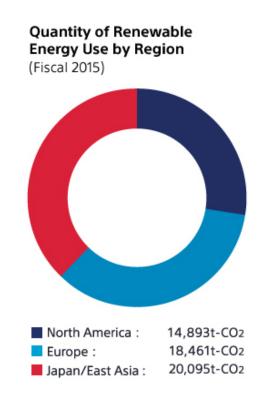
Updated on September 7, 2016

Use of Renewable Energy

Sony Reduces Emissions of CO₂ in Fiscal 2015 by Approximately 53,000 Tons through the Use of Renewable Energy

The use of renewable energy* is a key part of Sony's effort to reduce greenhouse gas emissions. In fiscal 2015, the use of the Green Power Certification System and the introduction of solar power generation systems helped reduce Sony's CO2 emissions by approximately 53,000 tons. Renewable energy accounts for approximately 5% of the total amount of electricity that Sony uses worldwide

* Energy from sustainable sources including solar, wind, water, geothermal, and biomass energy.



Japan: Using Renewable Energy

Sony Remains One of Japan's Largest Purchasers of Green Power Certificates

In fiscal 2015, Sony purchased Green Power Certificates*1 that amounted to 18,229 MWh of green electricity and 219,629 GJ of green heat, equivalent to reducing some 20,000 tons of greenhouse gas emissions. This makes Sony one of the largest purchasers of Green Certificates in Japan.

*1 The Green Power Certification System was jointly developed in 2001 by Sony and power utilities. Prior to its introduction, entities needed to have their own power generating facilities or be located in proximity to a power plant in order to use renewable energy. Under the scheme, green certificates are issued for green electricity and green heat generated from power plants across Japan, which entities can purchase and trade. These certificates are considered equivalent to purchasing renewable energy, even if generated at a distant place.

Using Carbon Offset Credit Schemes in and outside of Japan

In addition to the Green Power Certification System, Sony uses other carbon offset credit schemes as part of its initiatives to use renewable energy.

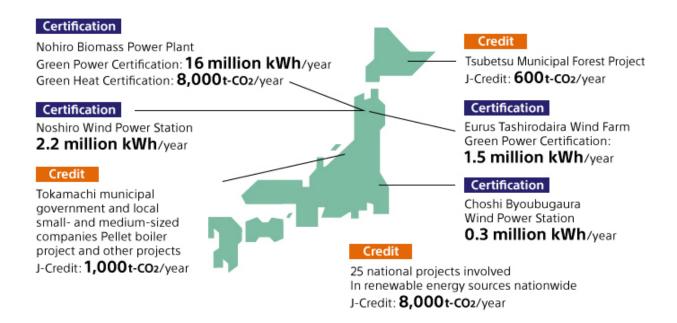
In Japan, Sony also uses the J-Credit*2 and J-VER*3 carbon offset credit schemes.

Under the J-Credit Scheme, Sony purchased renewable energy credits equivalent to reducing some 14,900 tons of greenhouse gas emissions. This included the purchase of credits equivalent to reducing approximately 13,500 tons of greenhouse gas emissions, from 25 national projects involved in renewable energy credits, particularly wood biomass energy. Sony continues to purchase credits from a carbon offset project that is being implemented by the municipality of Tokamachi, Niigata Prefecture in partnership with local small and medium-sized businesses, and in fiscal 2015 purchased credits equivalent to reducing some 1,400 tons of greenhouse gas emissions. Under the J-VER Scheme, Sony purchased credits equivalent to reducing some 666 tons of greenhouse gas emissions from a forest carbon absorption project in Tsubetsu, Hokkaido. These credits were applied to offset emissions by Sony Bank Inc. and Sony Assurance Inc.

Outside of Japan, Sony uses the Kyoto Mechanism Credit Scheme. Sony contributed to the Japan GHG Reduction Fund (JGRF) that was established in December 2004, up until JGRF expired in May 2014. JGRF was established to purchase emissions credits from greenhouse gas emission reduction projects in developing countries, for allocation to the Fund's corporate contributors. Through its contributions to JGRF, Sony purchased credits equivalent to reducing some 156,000 tons of CO2 emissions.

- *2 J-Credit Scheme: A scheme for awarding credits for certified greenhouse gas reductions/removal by means of sequestration, created through the integration of the Domestic Credit Scheme and the J-VER Scheme. The Domestic Credit Scheme allowed for greenhouse gas emissions reduction projects to be executed by small- and medium-sized companies in Japan in order to generate carbon credits that could be purchased by larger companies.
- *3 J-VER Scheme: A verification scheme for offset credits generated through the reduction/removal by sequestration of greenhouse gases through projects implemented in Japan.

Renewable Energy Certification and Emissions Credits in Japan (As of March 31, 2016)



Note:Data indicated in the above diagram is calculated from contracts, and differs from data described in the main text, which is calculated from purchased credits.

Europe: Using 100% Renewable Electricity

In Europe, Sony has been using renewable electricity since 2002. From fiscal 2008 onward, 100% renewable electricity usage had been achieved by Sony sites* in Europe through the direct purchase of electricity generated from renewable sources and through the purchase of Renewable Electricity Certificates if direct purchase of renewable electricity was not possible. In fiscal 2015, Sony used a total of approximately 68,765 MWh of renewable electricity in Europe.



Sony DADC's site in Anif, Austria, one of several Sony sites in Europe that uses 100% renewable electricity

* Sony sites in Europe that have obtained ISO 14001 certification

North America: Promoting the Use of Renewable Energy by Various Regional Group Companies

Beginning April 2008, four of Sony's sites in the United States—Sony DADC U.S. Inc.'s Pitman (at the time) and Terre Haute plants, the New York office of Sony Corporation of America (SCA) and the San Diego office of Sony Electronics Inc. (SEL)—signed Renewable Energy Certification contracts. Subsequently, the scope of purchases were expanded to cover additional sites, and in fiscal 2015 Green Power Certification



Solar power generation facility installed on the roof of SPE's headquarters

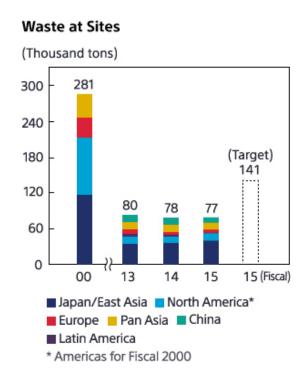
purchased by the Sony Group covered more than 25,580 MWh of electricity in the United States and Canada at the following sites: Sony DADC's Terre Haute plant; Sony DADC's Bolingbrook distribution center; the New York office of SCA; the Toronto office of Sony of Canada Ltd, and major facilities of SEL. This is enough green power to meet an estimated 23% of these entities' electricity use in the United States and Canada. The Green Power Certificates purchased by SEL are equivalent to 33% of the electricity consumption of the main SEL sites in the United States and Mexico that have received unified ISO certification during fiscal 2015. At the Sony Pictures Entertainment Inc. (SPE) headquarters, approximately 253 MWh of electricity was provided by the company's own solar power generation system in fiscal 2015.

Updated on September 7, 2016

Reducing Waste Generation

Absolute Waste at Sites Reduced by 73% from the Fiscal 2000 Level

Under the Green Management 2015 mid-term environmental targets, Sony implemented a variety of measures to reduce waste and use materials more effectively in line with its targets to achieve an absolute reduction in waste at Sony sites of 50% or more from the fiscal 2000 level and achieve a recycle rate of 99% or higher for global sites by fiscal 2015. In fiscal 2015, the last year of Green Management 2015, waste at Sony sites totaled approximately 77,000 tons. This represents an approximately 73% decline from the fiscal 2000 level and was also about 1% lower than the



previous fiscal year. This reduction was largely attributable to a reuse of packaging materials used when shipping parts—a major component of waste generated by production sites—and the promotion of reuse and recycling throughout the Sony Group. Waste at Sony sites per unit of consolidated net sales was 0.0048 tons/million yen in Japan and 0.0047 tons/million yen outside Japan.

Under Green Management 2020, which started in April 2016, Sony is working on a new target for fiscal 2020 of reducing absolute waste generated at Sony sites by 5% compared to the fiscal 2013 level.

Recycling Rate for Sony Sites

In fiscal 2015, the recycling rate for all Sony Group sites was 95%. Since fiscal 2012, this rate has taken into account the impact of incineration in Japan and other factors that reflect the reality of waste treatment. In Japan, the recycling rate for everyday waste at Sony sites also continued to improve, and now surpasses 99%. The recycling rate for Sony sites overseas—calculated excluding waste that Sony is required by law or ordinance to dispose of in landfills—was 97%. Sony continues to promote the recycling of waste from sites and strives to reuse it within the Group. Looking ahead, Sony will strive to further increase both the volume and variety of waste that is recycled, true to its commitment to recycling and reusing resources.

Management of Industrial Waste

Sony takes precautions to ensure waste from its sites is not inappropriately disposed of. For example, in Japan Sony has set consistent internal standards for selecting waste disposal contractors and inspecting disposal sites on an ongoing basis. It has also established an internal system of accreditation for disposal site inspectors, and is stepping up efforts to minimize risks associated with contracting out waste disposal. To reinforce this system, Sony implements periodic on-site inspections in the waste disposal contractors, thereby ensuring rigorous management procedures.

Waste Reduction

All Sony Group sites are making efforts to cut down on waste. At the same time, the Group is focusing on reducing its final disposal of waste to landfills or to incinerators that do not use the thermal recycling* method, with the goal of achieving a recycling rate of 99%.

Speaker manufacturer Sony EMCS
Penang Tec has taken the initiative to
recycle scrap wood left over from the



Sony EMCS Penang Tec made it possible to recycle scrap wood from speaker cabinets.

manufacture of speaker cabinets. In the past, wooden planks were disposed as landfilled waste because the vinyl sheets attached to the wood made them difficult to recycle. After trying various measures in collaboration with the local government and waste treatment firms, the company found a way to separate the vinyl sheets from the wooden planks and is now able to recycle both the scrap wood and the vinyl sheets. This led to a reduction in the final disposal of waste and improved the production plant's overall recycling rate.

In addition, wood waste from furniture disposal and broken wooden pallets are now also recyclable under this project.

* Thermal recycling is an incineration method for recovering and using the heat energy generated during incineration.

Improving Component Packaging

At all of its sites, Sony works to reduce the amount of waste through overall reviews of the packaging used in components and the optimization of this packaging.

For example, a range of measures are employed to reduce the amount of materials used in component packaging materials and hence curb the amount of waste. These include the complete elimination of protective bags for components, modifications to increase the capacity of containers used to store components, and the switch from disposable containers to multi-use returnable boxes. In particular, Sony is working to



Returnable containers used to transport components at the Kuala Lumpur TEC of Sony EMCS (Malaysia) Sdn. Bhd.

standardize the sizes of, and materials used in, returnable containers while aiming to expand the range of items for which such containers are used.

For details on measures relating to the overall logistics system, please refer to "Reducing the Environmental Impact of Logistics."

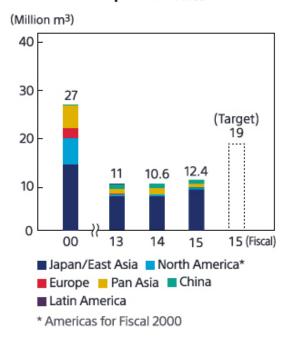
Updated on September 7, 2016

Reducing Water Consumption

Water Consumption Reduced by 54% from Fiscal 2000 Level

Under the Green Management 2015 mid-term environmental targets, Sony worked to reduce the consumption of water at its sites in line with its target of achieving an absolute reduction of 30%, compared with the fiscal 2000 level, by fiscal 2015. In fiscal 2015, the last year of Green Management 2015, Sony sites used approximately 12.38 million m³ of water, a decrease of approximately 54% compared with the fiscal 2000 level, despite being up about 17% from the previous fiscal year. The reduction from fiscal 2000 levels was achieved by implementing water

Water Consumption at Sites



conservation and wastewater recycling measures at Sony sites. Water consumption per unit of consolidated net sales was $1.22 \text{ m}^3/\text{million}$ yen in Japan and $0.31 \text{ m}^3/\text{million}$ yen outside Japan.

Under Green Management 2020, which started in April 2016, Sony is working on a new target for fiscal 2020 of reducing absolute water usage at Sony sites by 5% compared to the fiscal 2015 level.

Sony also takes steps to ensure the quality of wastewater at its sites. In addition to observing related laws and regulations in each of the countries and territories in which it operates, Sony manages wastewater quality using stricter criteria than it is required to. For example, the introduction of sophisticated water treatment facilities has enabled it to reduce BOD and COD levels* in wastewater.

* Biochemical oxygen demand (BOD) and chemical oxygen demand (COD) levels are common measures of water pollution.

For more information on BOD and COD levels, see "Emissions of Air and Water Pollutants (Worldwide)"

Reducing Water Use at Manufacturing Sites

For semiconductor and consumer electronic products, vast amounts of water are needed not only in the manufacturing process but also in the recycling process. At its plants all over the world, Sony is taking a variety of measures to preserve local water resources, including wastewater and rainwater recycling and initiatives for reducing water consumption. Examples of these initiatives are described below.

Controlling Water Consumption by Improving the Production System at the Nagasaki Technology Center

Sony Semiconductor Manufacturing
Corporation completed an initiative for
controlling water consumption at
Nagasaki Technology Center, a
semiconductor production plant, when
it installed a new production line
intended to boost production capacity.
As one part of this initiative, the center
began reusing wastewater for gas
detoxification equipment, which



A wastewater recovery system for gas detoxification equipment

renders the gases used in the semiconductor production process harmless. A large quantity of industrial water is needed to eliminate the toxins in such gases, and with the installation of the new production line and additional gas detoxification equipment, the amount of industrial water consumption was set for an increase. In response, the center installed a wastewater recovery system to reuse the wastewater from the gas detoxification equipment, enabling it to recover and reuse about 80% of the water. Moreover, the center began using the system to recover and reuse wastewater from other production equipment, allowing it to significantly limit the increase in industrial water consumption related to increased production.

Wastewater Recycling by Kumamoto Technology Center

The Sony Semiconductor

Manufacturing Corporation's

Kumamoto Technology Center
undertook a project to recycle
wastewater in semiconductor
manufacturing processes. Blow water
from the water measuring system used
in the production of ultra pure water for
semiconductor cleaning was recycled
for distillation into pure water, and
general service water used to cool



Blow water is reused for the reverse osmosis (RO) membrane filtration system.

ammonia removal systems was recycled to supply water to scrubber systems. These measures enabled the Kumamoto Technology Center to reduce 12,680 $\rm m^3$ of industrial and well water use annually.

Collecting and Using Rainwater at Green Cycle Corporation

As a member of the Sony Group, Green Cycle Corporation specializes in the recycling of used consumer electronic goods and other products. Aiming to reduce the amount of water it consumes, the company carried out an initiative to use rainwater. Before using the rainwater, it analyzed its quality and confirmed that it

could be used as industrial water without affecting the production process, and then refurbished the 1,620 m² roof of the warehouse on its site to serve as a collection area. Over the year since the initiative began in May 2014 through April 2016, Green Cycle Corporation was able to significantly reduce its water consumption, using rainwater for 18% of its total industrial water, in the recycling process for



A rainwater storage tank next to the warehouse building

crushers, sorters and other equipment, and for everyday use as toilet flushing water.

Updated on September 7, 2016

Managing Chemical Substances

The Sony Group has developed a group-wide approach to the management of chemicals used at sites where the use of these chemicals is controlled by legislation, designated as having a potentially harmful impact on the environment, or used in large quantities.

Reinforcing Standards for Managing Chemical Substances

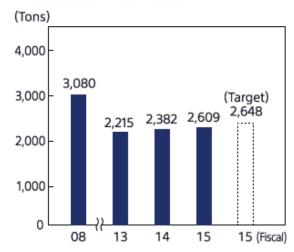
Under the Green Management 2015 environmental mid-term targets, chemical substances were categorized into four classes and carefully managed in order to reduce both the amount used and transferred as air, water, or soil emissions and waste. In countries where no legal reporting requirements exist for chemical management, Sony sites apply standards based on Japan's Pollutant Release and Transfer Register (PRTR) as internal rules.

Class 1 chemical substances are those whose use is prohibited. These substances are either banned under international treaties or specifically recognized by Sony as having a high risk of contaminating the environment.

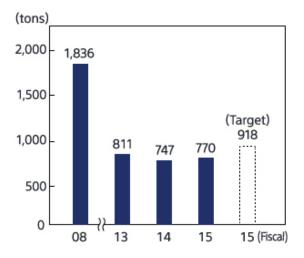
Class 2 chemical substances are those that are to be phased out. Sony previously used perfluorooctane sulfonate (PFOS) in semiconductor fabrication, but ceased using the substance in March 2010.

Class 3 chemical substances are those for which emissions are to be lowered. Having set targets for reducing the amounts released into water and transferred as waste or into sewers by 14% from the fiscal 2008 level and reducing the amounts of volatile organic compounds (VOCs) released into the air by 50% from the fiscal 2000 level, Sony is taking active steps to cut back its use of class 3 chemical substances. In fiscal 2015, a total of approximately 2,609 tons of such substances were released into public waterways, transferred into sewers or transferred off-site as waste, down approximately 15% from the fiscal 2008 level. In the same period, Sony Semiconductor Manufacturing Corporation started a new initiative to effectively utilize class 3 chemical substances as resources instead of disposing them as waste, working together with other group companies.

Amounts of Chemical Substances Released into Water, Transferred into Sewers or as Waste



Release of VOCs into the Air



VOC emissions into the air were approximately 770 tons in fiscal 2015, up 3% year-on-year but 58% lower than fiscal 2000 levels. The annual increase was due to a higher production load from devices, which Sony is addressing by replacing VOCs with alternative substances and reducing VOC use in manufacturing processes. Sony has also been developing compact VOC treatment systems, and it is steadily installing them at its semiconductor fabrication facilities, which are the main source of its VOC emissions. In fiscal 2015, emissions of VOCs per unit of consolidated net sales were 0.0042 tons/million yen in Japan and 0.0022 tons/million yen outside Japan.

Example of Reduction in Chemical Substance Usage

Sony Semiconductor Manufacturing Corporation (SCK), a semiconductor production plant, collaborated with an equipment manufacturer to develop a proprietary volatile organic compound (VOC) treatment system as part of efforts to reduce the amount of VOCs released. Conventional VOC treatment systems are installed near ventilation duct outlets. Since such equipment is designed to treat extremely rarefied organic substances, it is very large, making space and cost constraints an issue for semiconductor plants that want to install these types of systems. SCK responded by focusing on production equipment for highly concentrated organic substance and developed a small, fixed condensing-type VOC treatment system



Small, fixed, condensing-type VOC treatment system developed by SCK in conjunction with an equipment manufacturer

in conjunction with an equipment manufacturer. The newly developed system can be installed near production equipment and is able to treat VOCs efficiently.

Ozone-Depleting Substances

Sony succeeded in completely eliminating first-generation chlorofluorocarbons (CFCs) from its manufacturing processes in 1993 and banned the use of second-generation hydrochlorofluorocarbons (HCFCs) at the end of fiscal 2000. Sony business sites currently prohibit the use of ozone-depleting substances stipulated under the Montreal Protocol. Sony uses CFCs as a refrigerant in some air-conditioning units only. Compliance with laws and regulations in each country is ensured, and strict care is taken to prevent leakage of CFCs from these units during maintenance.

Environmental Risk Management at Sony Sites

To carry out effective risk management of chemical substances and emergency responses, the Sony Group has enacted the Sony Group Standards for Site Environmental Risk Management, which set the management standard and give examples of improvement measures. Based on these standards, at each site Sony has implemented accident prevention measures, including prohibiting the burial of tanks and pipes, and various leak prevention measures. In addition, Sony rigorously works to prevent environmental accidents through ongoing improvements to its systems based on regular audits at each site, information sharing among sites and other initiatives. Sony has established a system whereby its sites are required to promptly report environmental accidents to the authorities and to take appropriate countermeasures. No such accidents were reported at any of Sony's sites in fiscal 2015.

Response to Soil and Groundwater Contamination

In the event that an incident of soil or groundwater contamination is identified at a Sony site in a voluntary check or other assessment, remediation processes are implemented in compliance with pertinent local laws and ordinances. For example, Sony Group companies in Japan deal with the occurrence of contamination of soil and groundwater at Group sites by taking steps in line with the Sony Group Standard for Assessing Soil and Groundwater, an internal document that sets out procedures that comply with Japanese laws and ordinances. This manual stipulates that issues be addressed through the following three phases:

Phase 1: Investigate past and present chemical use and confirm the existence or otherwise of used or unused underground tanks, buried piping, other similar equipment, or previous incidents, at the site. Perform an inspection of the site to ascertain whether there is any residual soil or groundwater contamination.

Phase 2: Based on the investigations undertaken in Phase 1, carry out an assessment of the areas that are potentially contaminated. Undertake measurements at these locations in line with the Soil Contamination Countermeasures Act.

Phase 3: If any contamination is identified based on these results, carry out prevention and remediation procedures.

Incidents of soil and groundwater contamination resulting from operations have been confirmed at four Sony Group sites, as shown below. In response, Sony has been remediating the contamination and submitting regular reports to authorities.

Progress of Soil and Groundwater Remediation

Site	Date Contamination Confirmed	Substance(s) Detected	Cause	Response/Current Status
Former Sony Haneda Corporation (Japan)	September 2004 (Result of assessment conducted in line with Tokyo bylaws)	Fluorine, boron, trichloroethylene, Cis-1, 2-dichloroethylene, lead, mercury, arsenic	Leak in area where substances had previously been used	Groundwater pumping has been under way since July 2005. Sony continues to monitor substances which were previously found in concentrations that exceeded legal standards, or which were within standards but detected in groundwater. Both are currently below legal standards for groundwater.

Sony Global Manufacturing & Operations Corporation Inazawa Site (Japan)	June 2001 (Result of voluntary assessment)	Fluorine	Leak from crack in drainage pipe	Dual-layer piping equipped with leakage detection sensors has been installed in the water drainage system, and groundwater purification and monitoring work is currently in progress. The concentration of contamination improved from its highest level of 58mg/l in fiscal 2001 to 1.35mg/l in fiscal 2015.
Former Sony EMCS Corporation's former Mizunami Site (Japan)	Survey conducted in accordance with Article 3 of the Soil Contamination Countermeasures Act of Japan	Lead and its compounds, fluorine and its compounds, boron and its compounds	Leakages in areas where the substances had been previously used	According to the results of a government report, the site was designated as an "area that poses no risk of damage to human health" because, despite the fact that soil contamination has been confirmed on the premises, there is no likelihood that the contamination has leaked into neighboring sites, as contamination has not been detected in the groundwater. Accordingly, measures to remove the contaminated soil are currently unnecessary.

Sony Corporation's Atsugi Technology Center (Japan)	March 2015 (Result of voluntary assessment)	Hexavalent chromium, fluorine	Leakages in areas where the substances had been previously used	According to the results of a government report, the site was designated as an "area that poses no risk of damage to human health" because, despite the fact that soil and groundwater contamination have been confirmed on the premises, there is no likelihood that the contamination has leaked into neighboring sites. Accordingly, measures to remove the contaminated soil or
				contaminated soil or remediate groundwater
				are currently unnecessary.

Updated on September 7, 2016

Guiding Principles for Biodiversity Conservation Initiatives and Case Examples

Guiding Principles for Conservation Initiatives

Sony business sites are intricately connected with the natural environment and ecosystems that surround them. Sony introduced the Green Star Program in April 2011 as a framework for assessing the green performance of business sites and advancing green measures, as well as to advance initiatives for biodiversity conservation. (Click here for more details on "The Green Star Program")

Under the Green Star Program, Sony has identified concrete measures that are necessary for advancing biodiversity conservation initiatives at business sites and in surrounding communities, and manage land use, green spaces, and revegetation in a way that accounts for biodiversity. The measures are organized so that business sites can self-assess their progress, as shown in the table below. This framework enables business sites to take active steps toward enriching biodiversity in ways that are tailored to their environment, and to identify their progress and issues they need to address.

Consideration Points for Biodiversity in the Green Star Program

Measures			
Education and awareness	 Conduct education, seminars, and lectures concerning biodiversity Conduct nature observation programs 		

Investigation	 Monitor living things Give consideration to the ecological services related to site and business Grasp status of land use Give consideration to local biodiversity preservation plans 				
Improve ecosystem	 Improvement of environment for living things Give consideration to ecological network and green corridor Give consideration to three-dimensional vegetation Adoption of local species 				
Measures against bad effects	 Measures against alien species Give consideration to bad effects on ecosystems caused by emissions 				
Protection and conservation of ecosystem services	 Grasp and conserve endangered species Conserve a wildlife sanctuary Groundwater recharge 				
Management	 Ensure the appropriate management and use of chemical substances Ensure the effective use of organic resources Promote procurement that leads to biodiversity 				
Assessment	 Restore, improve, or offset for the ecosystem. Performing environmental assessments that include biodiversity assessments 				

Cooperation with stakeholders

- Cooperation with stakeholders
- Support for organizations that engage in biodiversity conservation activities

Sony has established a Basic Policy on Biodiversity Conservation, pledging its commitment to help achieve the Aichi Biodiversity Targets by conserving natural capital and biodiversity through the entire life cycle. Sony communicates the importance of pursuing initiatives under the Green Star Program to employees, as a way to help achieve the twenty Aichi Biodiversity Targets, establishing a shared recognition of the significance of these initiatives from which to take action.

Learn more about the Aichi Biodiversity Targets (source: Ministry of the Environment, Japan)

Related Topics

Environmental Policies and Targets>Environmental Plan and Mid-Term Environmental Targets>Policy on Biodiversity

Education and Awareness

Promoting initiatives for biodiversity conservation starts with getting people in diverse positions to better recognize and understand the value of biodiversity. Sony broadly engages in biodiversity education and awareness, with the understanding that awareness leads to conservation. These initiatives will enable Sony to help achieve Target 1 "Awareness increased" of the Aichi Biodiversity Targets.

Wow! Wow! Biodiversity Project (Japan)

Since May 2015, Sony has been working in partnership with The Nature Conservation Society of Japan, an environmental NGO, to launch and operate the Wow! Wow! Biodiversity Project aimed at promoting biodiversity conservation and raising awareness. The project name is inspired by the excitement and wonder

that is elicited by the mysteries of nature. The project organizes events for the general public to experience nature, and uses social media as a platform to share information about living plants and organisms, conveying the wonders of nature to a broad audience as a way to promote biodiversity conservation.

Learn more about the Wow! Wow!

Biodiversity Project at the "Sony and the Environment" website

(Japanese only)



Nature walk to observe the Japanese giant flying squirrel

Children's Drawing Contest (China)

Since 2013, Sony Electronics (Wuxi) Co., Ltd. has been collaborating with construction, environmental protection, and education officials in the Wuxi New District, to organize an annual children's drawing contest for local elementary and junior high school students and employees' children, centering on themes related to biodiversity conservation. For the 2015 contest, children were invited to submit



A winning submission from 2015

drawings inspired by the theme of "My Green Town." Prizes were awarded to seventy-seven students, helping to raise awareness about the environment by encouraging children to take a renewed look at the natural environment around them.

Investigation

As part of their environmental conservation activities, various Sony sites survey and monitor the natural habitats located on their grounds and in the surrounding areas. They then reflect the results of these studies in conservation plans, allowing them to carry out activities in consideration of the local ecosystem. The disclosure of the survey results will enable Sony to help achieve Target 19 "Knowledge improved, shared and applied" of the Aichi Biodiversity Targets.

Monitoring Ecosystems Surrounding Offices in Japan

In partnership with The Nature
Conservation Society of Japan, Sony is
monitoring bird populations in green
spaces around Sony City Osaki building,
through fixed-point observations. The
collected data is being used to advance
conservation initiatives in balance with
the surrounding community and
ecosystems.



A bird-monitoring study in process

Observing the Neighboring Natural Habitat from Sony's Office Building in South Korea

In South Korea, Sony is conducting fixed-point observations of wildlife inhabiting a river next to its office building. Using a video camera equipped with a telephoto lens, the set-up captures the river habitat 24 hours per day through an office window. These images are shown on various displays in the office, helping raise employees' awareness of local biodiversity.



The video camera is set up for fixed-point observations

Improve ecosystem

Sony works to maintain a natural environment that is the appropriate place for the wildlife to inhabit. Accordingly, we actively plant local varieties of trees and carry out other activities intended to preserve the environment in consideration of local ecosystems. These initiatives are enabling Sony to help achieve Targets 5 "Habitat loss halved or reduced" and 10 "Pressures on vulnerable ecosystems reduced" of the Aichi Biodiversity Targets.

Conserving Green Spaces at Business Sites

Sony business sites in Japan and other countries conduct environmental maintenance in their green spaces that account for biodiversity, such as installing birdhouses and maintaining humus with organic matter (leaves and prunings). Business sites that are engaged in these initiatives in Japan include the Atsugi and Shonan Technology Centers of Sony Corporation, Sony City Osaki, and Sony Global Manufacturing & Operations



Maintaining humus with leaves and prunings at Sony Digital Products (Wuxi) Co., Ltd.

Corporation (at the Sony Forest of the Kohda Site), as well as Sony Digital Products (Wuxi) Co., Ltd. in China.

For details on measures relating to the activities at Kohda Site, please refer to: Feature: "Sony Forest" Hosts a Blossoming Ecosystem.

Participating in Local Nature Conservation Activities in the United Kingdom

In the United Kingdom, employees of Sony DADC Corporation have joined nature conservation activities organized by Horsham Green Gym and Friends of Firs Farm Park, a local volunteer group. The activities have included tree-planting and clearing weeds in a country park near the company's site, as well as restoring local

ponds. Whilst the Friends of Firs Farm Park are transforming an area into wetlands, wildflower meadows, planting trees and restoring a cut-off watercourse.



Nature conservation activities

Restoring Forests and Coral Reefs in Thailand

In an effort to restore the diminishing mangrove forests in Thailand, Sony Technology (Thailand) Co., Ltd. and Sony Device Technology (Thailand) Co., Ltd. have jointly planted a total of 2,400 mangrove trees by the end of fiscal 14. In fiscal 15, Sony Device Technology (Thailand) planted 200 perennial plants to conserve biodiversity at a local park. Sony Technology (Thailand) started the



Planting coral fragments

activity of restoring coral reefs from fiscal 14 and they planted 500 coral larvae colonies by the end of fiscal 15.

Measures against bad effects

The Sony Group has been taking measures to remove non-native species that negatively affect local ecosystems. Furthermore, the Group's sites work to limit any harmful effects on local ecosystems by using only appropriate amounts of agricultural chemicals and chemical fertilizers at their green spaces in order to prevent soil pollution and the buildup of excessive nutrients in the soil. These initiatives are enabling Sony to help achieve Targets 8 "Pollution reduced", 9 "Invasive alien species prevented and controlled", and 12 "Extinction prevented" of the Aichi Biodiversity Targets.

Removing Invasive Species of Plants in China

Sony Precision Devices (Huizhou) Co., Ltd. has been carrying out an initiative for removing invasive species since 2012. In cooperation with the city of Huizhou's water and environmental hygiene department, the company's employees led efforts to remove water hyacinth (eichhornia crassipes), a non-native aquatic plant, from a local river in June 2014.



Employees removed water hyacinth, an invasive aquatic plant

Protection and Conservation of Ecosystem Services

Sony is working to conserve ecosystem services such as groundwater recharging, as well as identify and protect threatened species, and protect wildlife and flora. These initiatives are enabling Sony to help achieve Targets 11 "Protected areas improved" and 14 "Ecosystems and essential services safeguarded" of the Aichi Biodiversity Targets.

For more details, please refer to "Feature: Working on Groundwater Recharge Projects."

Activities to Protect the Harpy Eagle in Panama

Based in Panama, Sony Inter-American, S.A. has been carrying out activities for protecting the harpy eagle (Harpia harpyja), which, while recognized as the national bird of Panama, is also designated as an endangered species. Since 1998, the company has been sponsoring the Harpy Eagle Center, a facility that promotes protection activities. In 2008, it provided the center with several Sony BRAVIA™ LCD



The harpy eagle

televisions that have been combined into a large wall-mounted screen. In 2016, the wall-mounted screen was replaced by a 4K 84" Sony BRAVIA™ LCD television and Sony Home Theater System to show high-definition videos in an effort to raise awareness among visitors of the importance of efforts to protect the harpy eagle.

Firefly Protection Project in Japan

Sony Global Manufacturing &
Operations Corporation's Kosai Site in
Japan has been implementing a project
to revitalize the firefly habitat in
cooperation with the local government.
Fireflies were previously abundant in
the woodland area neighboring the
Kosai Site, but their numbers have been
dwindling in recent years. In response,



A firefly raised by the project

the company has begun maintaining the woodlands and raising firefly larvae to restock the population.

Helping Ensure That Endangered Loggerhead Turtles Can Spawn in Japan

For over 20 years, the Kunisaki Satellite office within the Oita Technology Center of Sony Semiconductor Manufacturing Corporation has been actively involved in shore clean-up activities at the nearby Kurotsuzaki beach. Thanks to these efforts, loggerhead sea turtles, which have been designated as an endangered



Recently hatched loggerhead sea turtle

species, returned to the beach in 2009 to spawn for the first time in decades, and they have been observed spawning each year since then. In addition to shore clean-up activities, the Kunisaki Satellite office is involved in the incubation of eggs laid by loggerhead sea turtles.

Management

Sony works to ensure that chemical substances are properly managed, organic resources are effectively utilized, and the items it procures have been produced with biodiversity in mind. These initiatives will enable Sony to help achieve Target 4 "Sustainable consumption and production" of the Aichi Biodiversity Targets.

Converting Food Waste into Biogas and Organic Fertilizer in Thailand

Sony Technology (Thailand) Co., Ltd. is located in Chon Buri and in 2010 became one of the first Sony sites worldwide to have installed a biogas facility. Instead of sending it to a landfill, this facility has helped to turn food waste into LP gas which can be used for cooking. In addition, the leftover food waste (compost) is used as organic fertilizer to grow plants and



The biogas facility

vegetables at the site, thus eliminating the use of chemical fertilizers. Some of the organic fertilizers produced by the facility are being donated for public use.

Environmentally Preferable Paper Purchasing

Recognizing that paper resources are finite, Sony strives to use paper in an environmentally responsible manner, and it has established a related purchasing policy for paper and printed materials. Accordingly, Sony makes a point of purchasing environmentally preferable paper, such a recycled paper and forest-certified paper.

For more information about Sony's policies related to paper and printed materials, please refer to "Policy on Paper Resources"

Cooperation with stakeholders

With a view to make its initiatives to protect biodiversity even more effective, the Sony Group seeks the opinions of related experts, NGOs, and other stakeholders while carrying out environmental conservation activities. For example, Sony works with research organizations when conducting studies and nature conservation groups when becoming involved in conservation activities. It also cooperates with governments and NGOs when maintaining the natural environment. In addition, Sony provides support and assistance to organizations involved in protecting biodiversity.

Sony Group companies in North America participate in a project that supports a wildlife refuge in New York City, led by the local NGO New York Cares.

For more information, please refer to the "Initiatives" section of the "Sony and the Environment" website.

In Japan, employees of Sony Network Communications Inc. have been working together with local residents of the city of Saku in Nagano Prefecture in activities for preserving the So-net Forest.

For more information, please refer to the "Initiatives" section of the "Sony and the Environment" website (Japanese only).

Sony provides support for WWF Japan's Forest Conservation in Sumatra project in Indonesia.

For more information, please refer to the "Project for Forest Conservation in Sumatra" section under "CSR/Environment" at the Sony website.

Updated on September 7, 2016

Feature: "Sony Forest" Hosts a Blossoming Ecosystem

Kohda Site conserves natural woodlands on the grounds to create "Sony Forest"

Since its inception in 1972, the Kohda Site of Sony Global Manufacturing & Operations Corporation in Japan has had the goal of creating a park-like factory with lush greenery, and has conserved the natural forest on the site, naming it "Sony Forest." Since 2008, Sony has been building an owl-friendly environment at the forest. Bird feeders and bird houses, for example, have been set out continually since that time. As a result, a family of owls built a nest at Sony Forest in 2016 and three chicks have hatched there. While the owls are the most notable residents, the vibrant ecosystem at Sony Forest is also home to bush warblers, Japanese white-eyes, Japanese pygmy woodpeckers, and many other small birds, as well as raccoon dogs, mice, and other small animals. The Kohda Site has also contributed to the local community by building a walking path and installing athletic equipment in the forest for locals to use. It is still used for outdoor educational purposes by many local elementary school students who have come to love the forest.



Owl chicks



Athletic equipment in the Sony Forest

Certified as top-level greening activities in Japan

The Sony Forest obtained a prestigious recognition when the Kohda Site received Superlative Stage certification under SEGES* in 2011, making it the first site in Japan to earn this honor. The certification was maintained in 2015. The Kohda Site is also conducting a nature conservation project using Sony Forest, in cooperation with other local companies. Seedlings of native species in the area are essential in conservation of the local ecosystem, and Sony Forest has preserved many trees unique to the area, including the konara oak and the Japanese clethra. The Kohda Site's nature conservation project entails collecting seeds of trees within Sony Forest, raising them until they become seedlings, and then donating them to local administrations and NPOs for forestation projects. This project was certified as an exemplary project in 2015 by the Japan Committee for the United Nations Decade on Biodiversity (UNDB-J).

* The Social and Environmental Green Evaluation System (SEGES) is an accreditation system run by the Urban Green Space Development Foundation. SEGES evaluates the environmental conservation activities of businesses that aim to help improve society and the environment, and recognizes outstanding initiatives by businesses.



This local nature conservation project has been certified by the Japan Committee for the United Nations Decade on Biodiversity (UNDB-J).



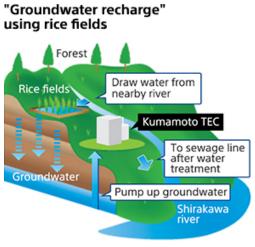
Collecting seeds of native species during a nature observation program at Sony Forest.

Updated on September 7, 2016

Feature: Working on Groundwater Recharge Projects

Kumamoto TEC Continues Groundwater Recharging Initiatives

At Sony Semiconductor Manufacturing Corporation's Kumamoto Technology Center (Kumamoto TEC), a large volume of water (groundwater) is used in semiconductor production. Kumamoto area, home to Kumamoto TEC, has always been blessed with abundant groundwater resources. However, the decline in groundwater has been a deep concern in recent years, and has been attributed to a decrease in the area of land used for rice paddy cultivation and an increase in the land used for residential purposes. Kumamoto TEC recognizes the importance of groundwater as natural capital, and is involved in continuous efforts to recharge*1 groundwater using neighboring paddies in cooperation with local environmental NGOs as part of its responsibility as a local business. From May through October, Kumamoto TEC uses its water facilities to help fill unused rice paddies with river water, thus allowing the extra water to penetrate into the soil and ultimately replenish the aguifer.



Efforts to recharge groundwater using paddy fields

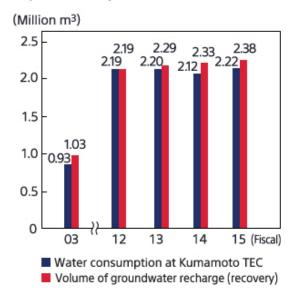


Rice grown in paddies on farmland used to recharge groundwater

Recharged Groundwater Lauded as an Advanced Example of Biodiversity Conservation

Groundwater recharge efforts at Kumamoto TEC began in fiscal 2003, and in fiscal 2015, 2.38 million m³ more water than Kumamoto TEC's yearly water usage (including tap water and groundwater) was recharged. Activities such as these are called payment for ecosystem services (PES),*2 and they are an important part of protecting natural capital and biodiversity. These efforts have also been noted as an advanced example in the Annual Report on the Environment, the Sound Material-Cycle Society and the

Comparison of Water Used and Water Replenished by Kumamoto TEC



Biodiversity in Japan 2014 published by the Ministry of the Environment in Japan.

Kumamoto TEC is also involved in initiatives to encourage employees to purchase the rice produced in the groundwater recharge farming areas, thus helping to support local farmers and conserve groundwater resources.

- *1 Groundwater recharge: Water on the surface of the ground (rainwater, river water, etc.) permeates the soil and replenishes the groundwater in the aquifer.
- *2 PES: Compensating the ecosystem with something equivalent in value or working to conserve the ecosystem in a way that compensates for the services received.

improvements.

Updated on September 7, 2016

The Green Star Program

In fiscal 2011, Sony launched the Green Star Program, an in-house system for assessing the environmental performance of Sony Group sites worldwide. Under the program—one of several initiatives designed to ensure achievement of the ultimate goal of Sony's "Road to Zero" global environmental plan—each site's activities are evaluated comprehensively through quantitative and qualitative assessments from four key perspectives: climate change, resource conservation, chemical substance management and biodiversity conservation.

Implementation of the Green Star Program shows how well each site is performing and elucidates their strengths and weaknesses, thus indicating what needs to be

done next. The program is useful as a tool for ongoing efforts to make

Sony has developed numerical assessment criteria and measures to evaluate progress toward achieving the environment mid-term targets, Sony Group's Green Management 2015, while managing attainment levels and promoting activities for reducing environmental impacts at each site. Level of attainment is indicated by number of stars. The goal for all sites in fiscal 2015 was to earn a four-star rating (which represents a perfect score of four points in all scoring items). At the end of fiscal 2015, the average score for all sites was 3.6 points. This was because, although sites received four-star ratings in almost all of the qualitative assessment categories, there was an increase in device production volumes and recycling rate targets were not met in certain regions.

Beginning in fiscal 2016, the Sony Group launched the new environment mid-term targets, Green Management 2020. Progress against the mid-term environment targets is now indicated by up to as many as seven stars.

Example of qualitative assessment criteria

Climate change		Monitor and analyze energy use with an appropriate monitoring system; adopt highly efficient systems and equipment for effective operation; and promote activities to improve energy savings in the manufacturing process	
	Waste	Reduction of generated waste; promote resource recovery and recycling; and ensure proper processing by waste companies	
Resources	Water	Monitor and analyze water use; take steps to promote the efficient use of water and reduce water consumption, etc.	
Chemical substances		Monitor and analyze handling amount and amount released and transferred; reduce volume used and replace with alternative substances	
Biodiversity		Implement biodiversity conservation plans that give consideration to the characteristics of regional ecosystems; promote land use and green space management that take the importance of biodiversity into account	

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Updated on September 7, 2016

Designing Environmentally Conscious Sites

When designing new sites, Sony integrates a variety of measures that focus on environmental considerations such as reducing energy and resource consumption. Moreover, even after the site operation starts, Sony installs equipment when needed that reduces environmental impact, as well.

Click here for Sony and the Environment, which features detailed information on environmental initiatives.

Japan: Environmentally Conscious Features at Sony City (Sony Headquarters)

United States: Environmentally Conscious Features at Sony Electronics (SEL) Head Office

United States: Supporting Employees Who Switch to Electric Vehicles

Updated on September 7, 2016

Progress Toward Achieving Mid-Term Targets for Logistics

Environmental Mid-Term Targets for Logistics

In its Green Management 2015 environmental mid-term targets which ran through end fiscal 2015, Sony set the following target for logistics. To meet these mid-term targets, Sony pursued initiatives to reduce shipping weights by designing more compact, lighter products, as well as to optimize shipping efficiency (smaller product packaging, better load efficiency, improved parts packaging, joint shipping) and switch to modes of transportation with less environmental impact (modal shift, use of fuel efficient vehicles).

Targets of "Green Management 2015" for Logistics

Climate Change	Reduce total CO2 emissions by 14% (compared with FY2008)
Resources	Reduce incoming parts packaging waste by 16% (compared with FY2008)

Performance on Green Management 2015 Environmental Mid-Term Targets

For performance for each target, please visit below link.

Performance on Green Management 2015 Environmental Mid-Term Targets > Logistics

Environmental Mid-Term Targets from Fiscal 2016

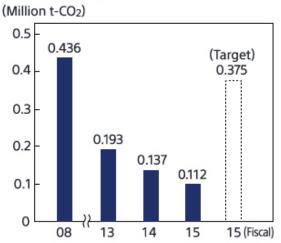
Sony has set Green Management 2020 environmental mid-term targets spanning from fiscal 2016 through fiscal 2020, and is now focused on meeting these new targets. For more information, please visit below link.

"Green Management 2020" Environmental Mid-Term Targets

CO2 Emissions from Transport of Finished Products

Under the Green Management 2015 environmental mid-term targets which ran through fiscal 2015, Sony reduced CO2 emissions generated by transporation in fiscal 2015 by approximately 112,000 tons (both international transportation and within Japan), an approximate 74% reduction from fiscal 2008 and an 18% reduction from fiscal 2014. Since fiscal 2008, the base year of its environmental mid-term targets, Sony has been taking steps to expand the calculation scope

CO₂ Emissions from Product Transportation



of CO₂ emissions from logistics, and Sony's current scope covers more than 40 countries and territories such as Japan, the United States, Europe and Asia. Owing to the addition of several countries and territories to the calculation scope, CO₂ emissions from logistics in fiscal 2015 amounted to approximately 258,000 tons.

Updated on September 7, 2016

Reducing the Environmental Impact of Logistics

Sony is reducing energy consumption from transport and packaging materials in all aspects of logistics, from international freight transport to the movement of goods at business sites. Discussed here are just a few of the ways in which Sony is reducing the environmental impact of logistics.

Promoting Modal Shift

As a part of its efforts to reduce environmental impact from the transport of finished goods, Sony promotes modal shift, switching the modes of transport it uses from air to sea and from truck to railroad.

Modal Shift in International Transport

Sony's efforts to advance modal shift also include transport in overseas markets. In Brazil, Sony has been switching from air and truck transport to marine transport for freight destined for Sao Paulo shipped out of the Manaus Plant of Sony Brasil Ltda. In fiscal 2015, nearly all freight over this route was accomplished by marine



transport, significantly reducing CO2 emissions from transport.

Modal Shift in Japan

In Japan, Sony has promoted modal shift from truck to rail transport. For large-sized products such as BRAVIA™ LCD TVs or Blu-ray Disc™/DVD recorders, in particular, Sony proactively uses railroad, which accounts for more than 15% of all long-distance (500km or more) domestic transport. These efforts have gained recognition. Sony has been certified by the Japanese Ministry

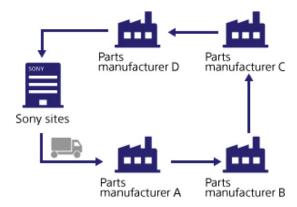


Logo indicating Eco Rail Mark certification for businesses

of Land, Infrastructure, Transport and Tourism as a certified company in the "Eco Rail Mark" system since 2011, while BRAVIA™ LCD TVs and Blu-ray Disc™/DVD recorders have earned product certification. Sony also promotes domestic sea transport. In fiscal 2015, CO₂ emissions attributable to the transport of products in Japan were approximately 390 tons lower than would have been the case if products had been transported by truck.

Improving Transport Efficiency with Intra-Industry Collaboration and Milk Runs

Efficient transport realized by maximizing loading volume per truck reduces environmental impact. Sony seeks to improve transport efficiency by utilizing various modes of intra-industry collaboration such as cooperative transport and milk runs.* Sony has been using cooperative transport by truck in some regions of Japan. In China, Sony has been improving transport



Sony trucks run loaded round-trip to increase transportation efficiency.

efficiency, which helps to reduce CO₂ emissions, using a combination of transport solutions such as milk runs* and round trips.

* In a milk run, a truck follows a route to collect parts from several suppliers, thereby improving transport efficiency compared with the routing method of separate runs to each supplier.

Raising Transport Efficiency by Improving Shipping Boxes

At Sony DADC US Inc., warehousing, packaging, returns processing and distribution of optical media had previously used regulation size boxes. Space inside the boxes was often left unused depending on the shipment size and number of orders. Cushioning material was also needed inside the empty spaces to protect the goods during transport, which resulted in additional expenditures for materials. In response to these circumstances, the



The shape of the shipping boxes was changed to optimally suit the products being shipped.

Bolingbrook Distribution Center improved the boxes by redesigning them into a shape optimally suited for the size and amount of products for shipment. Ultimately, the Distribution Center eliminated the wasted space in the boxes, increased the rate of products shipped, and substantially improved transport efficiency. The initiative also helped to reduce the amount of cushioning material used.

Promoting the Use of Reusable Bands for Products and Parts Transport in Manufacturing Sites and Warehouses

To keep stacked cartons from collapsing during transport of products and parts in manufacturing sites and warehouses, Sony employs reusable bands as one of packaging materials. This has contributed to the reduction of use and disposal of packaging materials such as stretch films.



A reusable band in use

Updated on September 7, 2016

Product Recycling Policy and Performance

Sony subscribes to the principle of individual producer responsibility (IPR), that is, the idea that a producer bears responsibility for its products over their entire life cycle. Accordingly, Sony is focused on recycling-oriented product design, collection and recycling used products, and building global recycling systems that suit the needs of individual countries and regions. Sony recognizes its social responsibility as a manufacturer to deal with its used products and actively promotes product collection and recycling. Sony complies with recycling laws and regulations in countries and regions around the world, including Japan's Home Appliance Recycling Law, the EU's Waste Electrical and Electronic Equipment Directive (WEEE Directive), state recycling laws on waste electrical and electronic equipment in the US, China's Management Regulations for Recycling and Disposing of Consumer Electronics and Electronic Waste, and India's recycling laws on electronic waste. Sony is actively working to achieve the goals of its long-term environmental plan, Road to Zero, to eliminate its environmental footprint by 2050, and toward this end, has set a series of environmental mid-term targets to be met over consecutive five-year periods.

Environmental Mid-Term Targets for Take-back and Recycling

In its Green Management 2015 environmental mid-term targets, Sony has set the following target for product take-back and recycling. To meet these targets, Sony stepped up efforts related to recycling-oriented design, while working to build recycling systems that suit the local needs of countries and regions where it operates around the world.

Environmental Mid-Term Target for Take-back and Recycling

Based on the idea of extended producer responsibility (EPR), Sony strives to achieve an environmentally conscious recycling system which ensures effective collection and recycling of end-of-life products. In addition, Sony continues to increase the use of recycled resources and to design products that are easy to recycle. Based on the idea of individual producer responsibility (IPR), this effort aims to promote the establishment of appropriate laws and infrastructure to recycle Sony products.

Performance on Green Management 2015 Environmental Mid-Term Targets

For performance for each target, please visit below link.

Performance on Green Management 2015 Environmental Mid-Term Targets > Take-back and Recycling

Environmental Mid-Term Targets from Fiscal 2016

Sony has set Green Management 2020 environmental mid-term targets spanning from fiscal 2016 through fiscal 2020, and is now focused on meeting these new targets. For more information, please visit below link.

"Green Management 2020" Environmental Mid-Term Targets

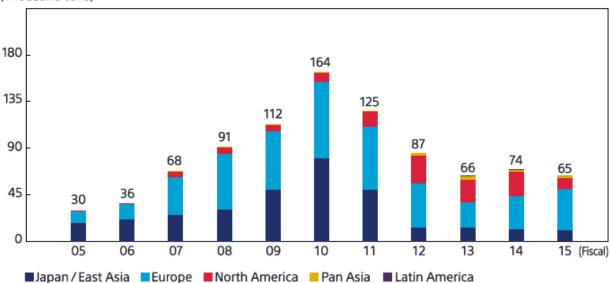
Sony's Recycling Record

In fiscal 2015, Sony recovered resources from approximately 65,000 tons* of collected end-of-life products. In Japan, the amount of waste collected represented a decline from fiscal 2011, attributable to the end of the Japanese eco-points scheme for the recycling of home appliances. In contrast, the amount of waste collected in Latin America increased as Sony's joint project, the Green Service Program, gained greater recognition in the region.

* This figure includes data calculated as of the date of release of this CSR Report (August 2016).

Weight of End-of-Life Products Collected

(Thousand tons)



^{*} The figure for fiscal 2015 includes data calculated as of the date of release of this CSR Report (August 2016).

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Updated on September 7, 2016

Improving Product Recyclability

Working Together with Green Cycle Corporation

As one of its strategies for resource efficiency, Sony works to increase the recyclability of its products. When examining various related measures, Sony receives feedback from Green Cycle Corporation, a Sony Group company specializing in the recycling business. Green Cycle Corporation presents ideas and proposals for improvements to Sony headquarters departments with environmental



Recycling at Green Cycle Corporation's facilities in Nagoya, Aichi Prefecture

responsibilities, including how to make it easier to disassemble products and separate materials, based on the expertise it has gained through recycling used electronic products and personal computers. Practical measures incorporating those ideas are then drawn up and submitted to design departments for each product category. Meanwhile, Sony supports the efforts of Green Cycle Corporation to improve its recycling technologies while sharing the latest information on product manufacturing.

Green Cycle Corporation also offers company tours that ordinary customers can participate in.

Holding Workshops on Recyclability

Sony has been regularly holding workshops on recyclability since 2006 at Green Cycle Corporation. Its product designers, mechanical designers and other employees in various positions participate. The workshops aim to reaffirm the importance of and need for considering recyclability in product designs, and to ensure those ideas are later applied when creating products.



Employees disassemble an LCD television

During the workshops, the participants first observe a television disassembly line onsite, and then try to take apart an LCD television themselves. Afterwards, line managers at Green Cycle Corporation explain current challenges and needs, and then exchange ideas with the participants in a discussion. Participants then apply what they have learned when designing products that will be sold worldwide, with a first-hand understanding of the difficult work of disassembling products and ways to make it easier, as well as an appreciation of the importance of reusing materials that have been separated from used products.

Updated on June 24, 2016

Recycling Activities in Japan

Sony recycles televisions and personal computers in line with applicable recycling-related laws in Japan. Sony also bears the cost of recycling lithium-ion batteries and other small rechargeable batteries, as well as packaging materials, as required by law.

Recycling of Television Sets

Japan's Home Appliance Recycling Law, which came into effect in April 2001, initially covered four major home appliances: televisions, refrigerators, washing machines and air conditioners. In April 2009, the law was revised to also cover LCD and plasma televisions and clothes dryers. Among applicable products, Sony manufactures televisions (CRT, LCD and plasma models, including products bearing the



TV being dismantled at Green Cycle Corporation

Aiwa brand). The Home Appliance Recycling Law requires consumers to pay collection, transport and recycling fees when disposing of applicable home appliances, retailers to take back such appliances and return them to manufacturers, and manufacturers to recycle these appliances.

Sony has established a nationwide cooperative recycling network with four other manufacturers. As a consequence, Sony-manufactured televisions are now recycled at 15 recycling plants across Japan. One of these plants is operated by Green Cycle Corporation, which manages a recycling business as a Sony Group company.

In fiscal 2015, approximately 295,000 CRT televisions and 179,000 flat-screen televisions manufactured by Sony were recycled. The Home Appliance Recycling Law obliges manufacturers to maintain recycling rates of at least 55% for CRT televisions and at least 74% for flat-screen televisions. Sony has consistently exceeded these rates since fiscal 2001. In fiscal 2015, the recycling rate for Sony-manufactured CRT televisions was 76%, while for Sony-manufactured flat-screen televisions it was 90%.

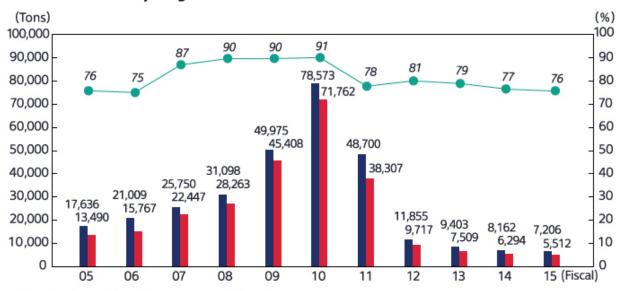
Television Recycling in Japan (Fiscal 2015)

	Units	CRT televisions	LCD and plasma televisions
Number of products brought into designated collection locations	Thousand	265	175
Number of products recycled	Thousand	295	179
Total weight of products processed	Tons	7,206	3,493
Total weight of recycled products and materials	Tons	5,512	3,151
Recycling rate	%	76	90

Notes:

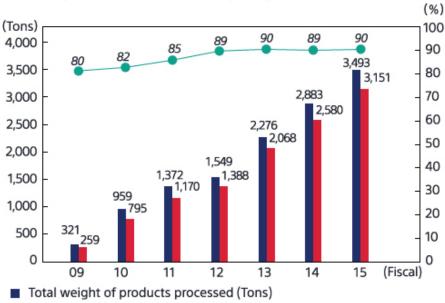
- 1. Figures have been truncated.
- 2. The number of products recycled and total weight of products processed refer to the number and weight of products for which recycling processes were implemented in fiscal 2015.
- 3. The number of products brought into designated collection locations and number of products recycled do not include products for which responsibility for recycling is undecided owing to, for example, the entry of incorrect information in tracking sheets.

CRT television Recycling Performance



- Total weight of products processed (Tons)
- Total weight of products recycled (Tons)
- Recycling rate (%)

LCD and plasma Television Recycling Performance



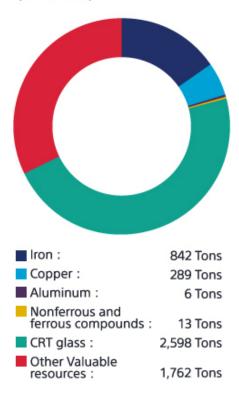
- Total weight of products recycled (Tons)
- Recycling rate (%)

Parts and Resources Recycled from Televisions

Total weight of parts and resources which were processed to become possible to be transferred for profit or free of charge for use as parts or materials in other products

Resources Recycled from CRT Televisions

(Fiscal 2015)

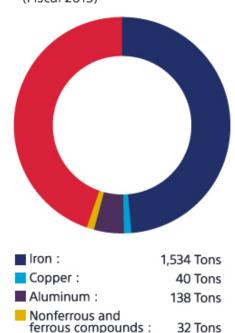


Resources Recycled from LCD and Plasma Televisions

(Fiscal 2015)

Other Valuable

resources:



Notes:

- 1. Figures have been truncated.
- 2. Other valuable resources include plastics, among others.

Recycling of Personal Computers

Although Sony sold off its personal computer business in July 2014, it is collecting and recycling its PC products in Japan that are no longer used by households and businesses, including long-time corporate users, in accordance with Japan's Act on the Promotion of Effective Utilization of Resources. Items being recycled are desktop PC units, notebook PCs, CRT displays, and LCDs.



1,406 Tons

Notebook PC being dismantled

The many used computers made by Sony are being recycled with close attention to information security, with hard drives being physically destroyed in a dedicated work space at Green Cycle Corporation. In fiscal 2015, the amount of Sony-made computers and displays that were collected and recycled numbered over 40,000 units, for a total weight of approximately 263.4 tons. From these items, about 188.8 tons of materials were reused, including metal, plastic, and glass parts.

Personal Computer Recycling in Japan (Fiscal 2015)

	Unit	Desktop PC units	Notebook PCs	CRT displays	LCDs
Number of products brought into plants	Thousands	6.0	16.3	2.1	14.4
Total weight of products processed	Tons	68.6	41.7	38.9	114.2
Total weight of recycled products and materials	Tons	50.2	27.0	24.4	87.2
Recycling rate	%	73.2	64.8	62.6	76.3

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Recycling Activities in Europe

Take-back legislation in Europe—in particular, the European Union (EU) Directives on Waste Electrical and Electronic Equipment (WEEE), Batteries*1 and Packaging*2—requires manufacturers to organize and finance the collection and recycling of end-of-life products and packaging.

Sony takes full responsibility for its take-back obligations in all those European countries where it has sales bases.*3

In December 2002, Sony joined forces with Braun GmbH, AB Electrolux and Hewlett Packard Europe S.A., to form the European Recycling Platform (ERP). The aim of ERP was to establish efficient and cost-effective systems for the collection and recycling of end-of-life electrical and electronic products to enable member companies to fulfill their obligations as manufacturers.

In European countries where it is not using ERP's services, Sony cooperates with authorized recycling organizations that undertake recycling in lieu of manufacturers to ensure its products are recycled in a manner that complies with the WEEE directive or related legislation and regulations in each country. In 2015, Sony financed the cost of recycling around 40,261 tons*4 of waste electrical and electronics products in Europe.

- *1 Directive on batteries and accumulators and waste batteries and accumulators
- *2 Directive on packaging and packaging waste
- *3 Sony has sales bases in the following European countries: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, the Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.
- *4 The figure for Europe does not include Belgium and the Netherlands for fiscal 2015. For Portugal, packaging data are excluded.

Sony's WEEE Directive Compliance System

Sony utilizes ERP's services for WEEE collection and recycling in Austria, Denmark, Finland, Germany, Ireland, Italy, Norway, Poland, Portugal, Slovakia, Spain, and the United Kingdom. ERP conducts regular on-site audits of all contracted recyclers to ensure compliance with the WEEE directive as well as to prevent illegal shipments of WEEE outside the EU. Sony discloses, for all of its products placed on the market in Europe, information on substances and components that require special treatment to facilitate safe recycling.

Sony's WEEE Directive Compliance System



- Take-back by Sony through authorized recycling organization other than ERP
- ☐ No take-back obligation for Sony

Sony's Battery Compliance System

The EU battery directive enacted in September 2008 replaced existing national legislation and expanded mandatory producer take-back and recycling of batteries for the entire EU. The directive encompasses all types of batteries. Sony complies with this directive by making use of the ERP and other battery recycling services.

Sony's Battery Compliance



- recycling organization other than ERP
- ☐ No take-back obligation for Sony

Sony's Packaging Compliance System

In numerous European countries, producers are legally obliged to collect and recycle waste packaging. Sony fulfills this obligation through participation in authorized collection and recycling organizations wherever applicable.

Sony's Packaging Compliance



- Take-back by Sony through authorized recycling organization other than ERP
- ☐ No take-back obligation for Sony

Updated on September 7, 2016

Recycling Activities in North America

Sony Electronics Inc. (SEL) in the United States and Sony of Canada Ltd. continue to contribute to the development of the recycling infrastructure in North America. All recycling and support activities are committed to a responsible recycling process that complies with a growing mandate of state and provincial legislation.

North America

Promoting the Sony Take Back Recycling Program

In the United States, Sony Electronics Inc. (SEL) continues to operate its voluntary recycling sponsorship program and compliance programs in states with take back regulations. On September 15, 2007, the company introduced the Sony Take Back Recycling Program, which aims to further encourage consumers to recycle and dispose of electronics equipment in an environmentally sound manner.



Sony Take Back Recycling Program collection activity (United States)

Developed in collaboration with waste administration and recycling companies in the United States, the program allows consumers to drop off Sony products at designated collection centers free of charge. In fiscal 2015, these collection centers and through compliance channels collected approximately 10,686 tons (23,509,000 pounds) of used consumer electronics. SEL aims eventually to provide a collection center within 32km (20 miles) of the homes of 95% of the country's population. SEL

in 2015 recycled 0.67Kg (1.48 pounds) for every 1Kg (2.20 pounds) sold which measures progress towards the goal of recycling the equivalent weight of recovered consumer electronics for every new product sold.

Recycling Program Website

SEL provides a website through which consumers may search for the optimal method of returning and recycling used electronics products (including non-Sony products). The site enables consumers to learn about state specific recycling programs. It also includes various ways of bolstering the recycling rate, including a search function for the nearest take-back recycling center. For consumers whose closest center is



Take back Recycling Program Website

more than 40km (25 miles) away, Sony products up to 11kg (25 pounds) are taken back by free-post and recycled free of charge.

As of March 2016, SEL has cumulatively collected approximately 181,996 tons (401 million pounds) of electronics equipment scrap, thereby contributing to reduced use of natural resources. In the future, through the site, SEL plans to promote higher rates of used electronics collection and conduct educational campaigns on appropriate recycling methods of used products.

As a member of the Call2Recycle program*, SEL recycles rechargeable batteries free of charge in line with Call2Recycle's recycling scheme.

Consumers can find drop-off locations for rechargeable batteries from the Call2Recycle website (external).

* Call2Recycle is a nonprofit public service organization that conducts and manages rechargeable battery recycling programs and provides related consulting services in the United States and Canada.

Recycling Responsibly

In addition to conducting its own independent audits of recyclers and the downstream processing firms to which they subcontract, SEL has set forth a recycling policy whereby all recyclers it does business with must obtain Responsible Recycling (R2) or e-Stewards certification . R2 and e-Stewards are certification systems for recyclers organized in part by the U.S. Environmental Protection Agency (EPA) that evaluate such factors as environmental management performance and workplace environment. SEL participates in the EPA Sustainable Material Management program Electronics Challenge since its program inception.

Canada

Working with Provincial Governments to Set Up Electronics Equipment Recycling Programs

Since first provincial program was launched in 2004, Sony of Canada Ltd. (Sony Canada) has worked with provincial governments to set up recycling programs for end-of-life electronics equipment.

From 2008 through 2015, Sony Canada operated an expanded recycling program for small electronics

equipment across Canada by enabling



Recycling Activities (Canada)

consumers to take such products to its retail partners across the country. More recently, provincial programs matured to deliver appropriate collection opportunities for consumers through http://epra.ca/. In addition, Sony Canada supports other recycling programs for packaging and battery and supports small distributors fullfil their recycling obligation.

In accordance with electronics recycling standards set forth by Electronics Product Stewardship Canada (EPSC), which prohibits the export of waste to countries not in the Organisation for Economic Co-operation and Development, Sony Canada conducts its own independent audits of recyclers and the downstream processing firms which they subcontract.

Click here for more details on "Recycling Program in Canada" (Sony and the Environment)

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Recycling Activities in Pan Asia

The operations of Sony in the Pan Asia region stretch from Africa to New Zealand. Throughout the region, Sony offices and manufacturing locations continually work to ensure that the recycling needs of the local community are met. In terms of national electronic waste recycling legislation, India and Australia are two key countries where Sony actively works with local partners to ensure that local requirements are met.

India: Working with a Local Partner to Collect and Recycle E-Waste

In order to ensure compliance with local legislation, Sony India has partnered with a leading third party recycling company to provide recycling services for e-waste. In fiscal 2015, Sony India collected approximately 360 tons of e-waste, including generated service waste, through the recycling partner. Additionally, Sony India has focused on creating a broad network of e-waste collection points, thereby making it easier for customers to turn in their e-waste. As of the end of March 2016, 20 collection points across the country had been established. Sony India plans to review the results of this initiative at the end of its financial year and formulate future plans accordingly.

Australia: Participating in the "Government-Accredited Recycling Partner" System

Since March 2012, Sony Australia has been taking part in a recycling system with partners accredited by the Australian federal government under new home appliance recycling legislation. The company has been making a concerted recycling effort over this period of time. From July 2015 through June 2016, the company recycled roughly 1,993 tons of discarded home appliances.

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Recycling Activities in Latin America

Sony has offices in a number of Central and South American countries, including Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, Mexico, Panama and Peru. These offices operate recycling programs designed to meet the needs of their particular areas. Here we introduce a joint project operated throughout Latin America as well as representative examples of Sony commitment to recycling initiatives.

Sony Joint Project in Central and South America: Green Service Program

Since 2010, Sony sales companies in Latin America-including Sony Mexico, Sony Inter-American, Sony Colombia, Sony Peru, Sony Chile and Sony Argentina-gradually launched the Green Service Program. During 2012 this program was expanded to Sony sales company in Bolivia as well. Under this initiative, using participating companies' service networks, products and components that are under warranty but discarded during repair are appropriately treated. Also the e-waste generated by Sony sales companies facilities in Latin America are appropriately treated under this program as well. This program marks a shift in focus from simple disposal to the proper management and repair of products, helping Sony fulfill its responsibility to reduce the environmental impact of its products after they are sold and respond to the expectations of customers. In fiscal 2015, approximately 352 tons of scrap were collected and processed appropriately. Going forward, the companies will continue to implement the Green Service Program.

Supporting the Electronic Waste Recycling Program "Live the Change (Vive el Cambio)"

"Live the Change" (Vive el Cambio)" is an environmental campaign operated by Sony Group companies in Latin America. This campaign is designed based on the Sony Stores retail platform, aiming for direct contact with customers, in an effort to educate them about the benefits of product recycling to ensure efficient use of precious natural resources, while at the same



Logo of "Live the Change" (Spanish)

time actively collaborating with Sony on the new paradigm of "Circular Economy" for a sustainable future.

Launched on Earth Day in 2014, with a presence in 5 countries in Latin America and with a total of 27 collection points, the initiative is encouraging Sony customers to bring in their Sony Mobile phones and small Sony products for recycling. During fiscal 2015 a total of about 5.2 tons of products have been collected. This has allowed Sony to partner with local governments and NGOs to amplify our eco message by joining public campaigns and capturing the interest of local media and digital opinion leaders. More and more participants are being reached via Facebook, Twitter and Instagram, where the number of followers has topped 20,000 and the number of tweets and other contacts has hit 4 million.

Recycling Used Mobile Phones

Sony Mobile Communications Inc.(SOMC) has promoted the recycling of used mobile phones worldwide since the autumn of 2008. To this end, SOMC distributes detailed information on the collection and recycling of used mobile phones in 47 countries. In 23 of these countries, SOMC has set up its own voluntary collection system.

One SOMC best practice is a used mobile phone collection program in Latin America that has placed collection boxes in 27 service centers or stores in five countries in the region. A couple of times every year SOMC organize one-time events promoting recycling and sustainable activities under the Vive el Cambio concept in Latin America.

Similar programs are in place in other areas, including Russia, which uses collection boxes at service centers, and India, which asks customers to return used mobile phones in person. In the France, Germany, Poland, Spain, Sweden, United Kingdom and the United States, SOMC offers postage-paid collection for used mobile phones under the Xperia™ Care program.

For more information visit SOMC's website, which features detailed information on recycling initiatives taken worldwide.

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Recycling Activities in China

Compliance with Regulations on Recovery Processing of Waste Electrical and Electronic Products (China WEEE)

In January 2011, China enacted the Regulations on Recovery Processing Waste Electrical and Electronic Products. Popularly known as "China WEEE," the regulations that mandate the recycling of five types of products: televisions, refrigerators, washing machines, air conditioners and PCs. As a manufacturer of two of the products-televisions and PCs-Sony is affected by these regulations, which oblige manufacturers and importers to contribute to a fund that is used to cover the cost of processing of waste electrical and electronic products. In compliance with the regulations, Sony (China) Limited makes regular contributions to the fund.

Sony (China) Spearheads Project to Recover and Recycle End-of-Life Broadcasting Equipment

Since August 2009, Sony (China) has promoted a project aimed at recovering and recycling end-of-life broadcasting equipment. Since the 1990s, Sony has sold broadcasting equipment in China, including U-matic video recording systems. Sony (China) collects end-of-life equipment directly from broadcasters free-of-charge and delivers them to a recycling company that specializes in commercial equipment, ensures they are dismantled and recycled appropriately. Sony (China) also submits a report on the recycling of these products to broadcasters. In addition, Sony (China) gives broadcasters free pass to attend lectures on HD



technology at Sony HD Academy according to the number of end-of-life broadcasting equipment it collects from them.

Through this project, Sony (China) aims to build a cooperative industry-wide circle of cooperation by getting individuals from across the broadcasting industry involved in environmental activities.

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Links for Product Recycling in Each Country and Region

Please refer to the following websites for information on the recycling of Sony products in each region. This list includes links to third parties' websites.

Japan

PC and Display Recycling in Japan (Japanese only)

TV Recycling in Japan (Japanese only)

Europe

Austria, Denmark, Finland, Germany, Ireland, Italy, Norway, Poland, Portugal, Slovakia, Spain, United Kingdom

ERP

Landbell

Austria

ARA

Belgium

Recupel

BEBAT

Val-i-Pac

Fostplus

Bulgaria

Eltechresource Ecobattery EcoPak Czech Republic **Asekol EcoBat Eco-KOM Finland** SuomenPakkauskierrätys RINKI France **Ecologic** Screlec **EcoEmballages** Germany **GRS** Greece **Appliances Recycling SA** Afis H.E.R.R. Co Hungary Országos Hulladékgazdálkodási Ügynökség Relem

Italy
Conai
Ireland
Repak
Norway
Gront Punkt Norge
Netherlands
Wecycle
Stibat
Afvalfonds Verpakkingen
Poland
Polski System Recyklingu
Portugal
Ecopilhas
Sociedad Ponto Verde
Romania
Environ
SNRB
Eco Rom Ambalaje
Slovenia
Interseroh
Spain
Ecoplias

374

Ecoembes

Sweden

El Kretsen

FTI

Switzerland

SWICO

Inobat

North America

United States

Trade-in and Recycling Program

Call2Recycle

Canada

Take Back and Recycling

Latin America

Argentina, Colombia, Ecuador, Mexico, Peru

Vive el Cambio

Brazil

Descarte e Reciclagem

Colombia

EcoComputo

Costa Rica

ASEGIRE

Pan Asia

India

E-Waste Management

Updated on September 7, 2016

Environmental Communication Activities

Sony provides a wide variety of stakeholders with environmental information in an accurate, timely and continuous manner. Sony also holds events and participates in exhibitions with environmental themes and actively promotes environmental education with the aim of encouraging greater general awareness of environmental issues.

Raising the Environmental Awareness of Employees

Sony Group via a dedicated environmental issues with employees of the global Sony Group via a dedicated environmental website. Environmental education via e-learning is mandatory for all Group employees in Japan and has also been introduced at overseas sites. In addition, Sony presents its environmental initiatives to employees in environmental education courses and events held at sites around the world. In China, for example, Sony Digital Products (Wuxi) Co., Ltd. set up an Environment, Health, and Safety hands-on education facility in 2016 to provide visitors with an interactive environmental learning experience. Also, the president of Sony Corporation and other executives share information on environmental issues of importance to the Sony Group in regularly held executive meetings.

Employee Communication Campaign on the Environment

"Center Stage: Living Green" is an employee communication campaign that celebrates members of the Sony Music family who take steps to live a greener lifestyle. Topics have included participating in Meatless Mondays,* growing vegetables and raising backyard chickens, and reducing water consumption. In March 2015, the campaign recognized Global Citizen



"Center Stage: Living Green" logo

Earth Day 2015, highlighting the participation of Sony Music Entertainment artists Usher and Train, and challenged employees to join Sony Global Volunteer Day. Living Green will continue to encourage eco-conscious colleagues and artists alike to share their stories, promote achievable lifestyle choices, and foster a community of Green Living.

* Meatless Mondays is an environmental initiative that encourages people to refrain from eating meat once per week. It arose in response to increased consumption of meat around the world in recent years, which has led to a number of problems including environmental destruction resulting from the cultivation of livestock feed and the release of the greenhouse gas methane from cattle, sheep, and other livestock.

Taking Advantage of Sony Events to Raise Environmental Awareness

At the 2016 Sony Open in Hawaii, a PGA Tour event,* Sony Electronics Inc. (SEL) in the United States once again worked hard to conduct an environmentally conscious event. This year, in advance of the tournament, SEL organized consumer electronics recycling activities at two local high schools, and during the tournament spectators were encouraged to use public transportation, bicycles, and other low-impact means of transportation to get to and around the event.

Waste recycling activities were carried out at the tournament venue, and booths selling food and beverages were not allowed to use Styrofoam containers. Building on the success of 2015, Sony was able to put on a varied series of very well thought-out environmental activities, and was honored as a recipient of the Hawaii Green Event Award by the State of Hawaii.



A bike valet was made available in partnership with the Hawaii Bicycling League.

"Live the Change (Vive el Cambio)" is an electronic waste (e-waste) recycling program which several Sony Group Companies in Latin America rolled out in 2014. This initiative has been expanded worldwide, and Sony Europe Limited joined up in autumn 2015. A Sony Store hosted the environmental event under the theme, "Hotel Transylvania 2," the popular animated movie from Sony Pictures Entertainment. At this event, visitors could trade in their old e-waste for the store's discount vouchers. In a one-month campaign, 98 products, mainly mobile phones, were collected and recycled. This eco-themed event also had a positive influence especially in enhancing the environmental awareness of the children who attended the campaign.

* The US men's professional golf tour

For more details on the Sony Open in Hawaii, see Sony and the Environment: 2016 Sony Open in Hawaii Going Green.

Movie Characters Promote Environmental Awareness

To foster increased environmental understanding, Sony uses movie characters to get the message across. For example, the United Nations joined forces with the Angry Birds and the talent behind Sony Pictures' "The Angry Birds Movie" on the International Day of Happiness for a campaign to highlight the day and promote action against climate change.



Red, one of the stars of the Angry Birds Movie, is appointed as Honorary Ambassador for Green.

Themed "Angry Birds for a Happy Planet," the campaign invites us to join

Red, who was named an "Honorary Ambassador for Green on the International Day of Happiness," and take climate action. It began on March 20 2016, and went through Earth Day on April 22 2016.

Click here for the video of Angry Birds - International Day of Happiness. (YouTube)

Management of Risks Related to Chemical Substances

As a company that uses chemical substances, Sony discloses information on emissions of such substances and exchanges views on safety and environmental issues with residents in the vicinity of its sites, as well as with local authorities, with the aim of reinforcing mutual understanding. For instance, Sony Semiconductor Corporation actively participates in local community events and organizes its own interactive events at all of its in-plant. The company also holds tours of its manufacturing plants, during which it explains to visitors how wastewater is processed by environmental-related equipment.

Updated on September 7, 2016

Stakeholder Engagement

Sony is active in a wide range of fields, and its stakeholders have diverse expectations. In order to promote a healthy, spiritually abundant, sustainable society, Sony is deeply committed to stakeholder engagement, a process whereby it seeks to earn greater trust from stakeholders and cooperate with them to achieve common aims. Described here are two of the more notable examples of this approach.

Participation in the WWF's Climate Savers Programme

In July 2006, Sony joined the Climate Savers Programme, established by the World Wide Fund for Nature (WWF), a leading international environmental NGO. Under the Climate Savers Programme, the WWF partners with leading corporations



to establish targets for reducing absolute emissions of greenhouse gases that are meaningful, rather than simply expedient for corporations. Progress toward the achievement of these goals is monitored by the WWF, as well as by an independent body. Participation in the program has enabled Sony to set more ambitious targets, and monitoring by the WWF and an independent body has enhanced the transparency of Sony's various environmental initiatives.

Sony's participation in the Climate Savers Programme includes meeting the climate change targets set in its Green Management 2020 group environmental mid-term targets.

Click here for more details in Partnership and Participation in frameworks

Membership in the Consortium for Sustainable Paper Use

In November 2013, Sony became a founding member of the Consortium for Sustainable Paper Use, the aim of which is to encourage environmentally preferable and socially responsible paper use—usage of forest-certified paper and recycled paper—by both companies and society at large. The consortium was established by a group



of companies promoting progressive initiatives in the area of sustainable paper use in collaboration with World Wide Fund for Nature (WWF) Japan and Response Ability, Inc. Through participation in the consortium, Sony is advancing the practical application of measures to ensure sustainable paper use and to disseminate information and promote public awareness. Consortium members exchange information regularly and interview non-member companies with the goal of promoting the consortium-wide application of particularly outstanding initiatives.

With regard to certified-forest paper, Sony promotes the use of FSC-certified paper*, which is not merely in conformance with the regulation, but is in fact highly valued as a means of supporting forest sustainability. For example, Sony uses FSC-certified paper in its corporate publications and other printed materials, including company brochures, shareholders meeting notices, calendars, and business cards. In fiscal 2015, moreover, use of this paper was expanded to include product catalogs and envelopes. Sony used 354 tons of FSC-certified paper in fiscal 2015.

* FSC-certified paper is any paper product made from wood that has been certified by an international body called the Forest Stewardship Council, which aims to promote forest preservation.

Environmental Data

Environmental Data Collection Methods and Rationale

ISO14001 Certified Sites

Overview of Environmental Impact and Eco-Efficiency

Greenhouse Gas Emissions

Environmental Data for Sites

Emissions of Air and Water Pollutant (Worldwide)

Handling Volume of Chemical Substances

Environmental Data for Products

Product Recycling Data

Examples of Polyvinyl chloride (PVC) -free Products and Brominated Flame Retardant (BFR) -free Products

Environmental Cost

Independent Verification Report

History of Environmental Activities at Sony

Response to CDP(Carbon Disclosure Project) Investor by Sony Corporation

Environmental Data Collection Methods and Rationale

Worldwide Data Collection System

Scope, Collection Period, and Accuracy of Compiled Data

Greenhouse Gas Index Data Collection Methods and Rationale

Resource Index Data Collection Methods and Rationale

Other Data Collection Methods and Rationale

Updated on September 7, 2016

Worldwide Data Collection System

Sony uses a cloud-based data collection system to monitor and manage the progress of the environmental impact of all sites in the Sony Group. This system permits headquarters to collect data monthly from sites around the world.

Persons in charge at each site use the data collection system to input data concerning energy, water, waste, chemical substances and environmental costs, which is then checked and approved by supervisors. Regional data administrators for Japan/East Asia, North America, Latin America, Europe, Pan Asia and China regions also check the data. To ensure efficient collection and tabulation, in addition to checks at several points during the process, data checks are executed by the system at data input, thereby reducing the possibility of errors.

Updated on September 7, 2016

Scope, Collection Period, and Accuracy of Compiled Data

Collection period: April 1, 2015-March 31, 2016

In principle, data for results was compiled in the period stated above. Estimates have been used, however, at some sites where the impact on overall results is deemed to be extremely minor.

Scope of data collection

Site data: All ISO 14001-certified sites as of March 31, 2016

Among Sony Group consolidated sites, all manufacturing sites, distribution sites with 100 or more employees, and non-manufacturing sites with 1,000 or more employees are, in principle, expected to obtain ISO 14001 certification.

Product data: Data covers all products manufactured by the Sony Group and sold outside the Group. Accessories, semi-manufactured products and components are included. Weight data includes the weight of packaging materials.

Data accuracy

Site data: Chemical substance data and environmental cost data collected from certain sites may be slightly less accurate than other data.

Product data: Data for some semi-manufactured products, components, and some products produced and sold overseas may be slightly less accurate than other data.

Updated on September 7, 2016

Greenhouse Gas Index Data Collection Methods and Rationale

The greenhouse gas index is calculated as follows.

Greenhouse gas index

(1) Total greenhouse gas emissions from sites (calculated in terms of CO_2) + (2) Total CO_2 emissions from product use + (3) Total CO_2 emissions from logistics - (4) Greenhouse gas emissions offset by greenhouse gas reduction activities

(1) Total greenhouse gas emissions from sites

Quantity of power, heat, and fuel usage and quantity of green house gases used for manufacturing process, within facility and others are collected.

CO₂ emissions from energy consumption

CO2 emissions from energy consumption are calculated by multiplying the quantity of electrical power, heat and fuel (including fuel for motor vehicles, etc.) used at sites by the CO2 conversion rate.

Emissions of PFCs and other greenhouse gases

Emissions of PFCs and other greenhouse gases are converted to CO₂ by multiplying greenhouse gas emissions from each site by global warming potentials.

Global warming potentials are based on the Third Assessment Report of the Intergovernmental Panel on Climate Change (IPCC).

CO2 Conversion Rates

- Electricity

CO2 conversion rates of each country in fiscal year 2000 are used.

Japan: Rates provided by the Federation of Electric Power Companies in Japan Countries other than Japan: Rates provided by the GHG Protocol*

- Fuel and Heat

Worldwide: Rates based on Japan's Law concerning the Promotion of the Measures to cope with Global Warming

* Internationally accepted accounting and reporting standards for companies and other entities to report their greenhouse gas emissions, operated under the umbrella of the World Business Council for Sustainable Development (WBCSD) and the World Resource Institute (WRI)

Systems for Calculation, Reporting and Public Disclosure of Greenhouse Gas Emissions(Japanese only)

GHG Protocol

(2) Total CO₂ emissions from product use

CO2 emissions from product use are calculated by multiplying the quantity of electrical power consumed throughout the lifetime of products sold in the current fiscal year by the CO2 conversion rates. (In other words, it is not the actual quantity of CO2 emitted in the current fiscal year.) CO2 emissions from product use are calculated by the following equation.

Sales x (Operating power consumption x Hours of operation per year + Power consumption during standby time x Standby time per year) x Years of product use x CO₂ conversion rate

In theory, emissions during product use in the current fiscal year should be calculated from the total quantity of electrical power consumed by previously sold Sony products that are still in use by consumers in the current fiscal year.

However, given the difficulty of determining how many previously sold Sony products are still in use by consumers of the total number of Sony products sold to date, Sony uses the total quantity of electrical power consumed while in use over the lifetime of Sony products sold in the current fiscal year as an indicator for CO2 emissions during use.

The hours of operation per year, standby time per year, and years of product use are calculated based on data obtained by various surveys. The same conversion rates as CO2 emissions from sites for each country in fiscal year 2000 are used. However, as for the data up to fiscal year 2003 outside of Japan, the factors of the following countries are used according to the destination of the products. North America: United States Europe: Germany Other regions: Singapore

(3) Total CO₂ emissions from logistics

Total CO2 emissions from logistics include emissions arising from international logistics and logistics within over 40 countries and regions such as Japan, the United States, Europe, and Asia associated with Sony Group's electronics products. For logistics within Japan, CO2 emissions from parts logistics are partially included.

CO2 emissions from logistics are primarily calculated by multiplying ton-kilometers transported (weight of goods transported x distance traveled) by the CO2 conversion rate. In certain instances, CO2 emissions arising from transport by truck are calculated by multiplying the amount of fuel used (fuel consumption per kilometer x number of kilometers traveled) by the CO2 conversion rate.

For Japanese domestic transport by truck, CO2 emissions calculations multiply the weight of freight transported by two factors: the amount of fuel used per unit of freight transported, as defined in the Law concerning the Rational Use of Energy, and the emissions factor of fuel type used, as defined by the Law concerning the Promotion of Measures to Cope with Global Warming. In the United States,

calculations incorporate factors set forth by the U.S. Environmental Protection Agency (EPA) in the SmartWay Transport Partnership, while in Europe calculations incorporate factors set forth by the U.K. Department for Environment, Food and Rural Affairs (DEFRA).

For international logistics, CO2 emissions are calculated by multiplying ton-kilometers transported (weight of goods transported x distance traveled) by CO2 emissions per unit of production as proposed by the Greenhouse Gas Protocol (GHG Protocol). For international logistics involving transport by ship, the calculation uses the weight of goods transported including the weight of shipping containers.

CO2 Emissions from Employee Business Trips

Emissions are calculated for business trips undertaken by employees in central departments, which account for the largest share of business trips taken by employees of Sony Corporation and Sony Group Electronics Business companies in Japan, Europe, North America and China and for business trips taken by employees from some electronics-related companies in Pan Asia. (In the case of Japan and North America, some music-related companies are included. Trips taken by employees from Sony Mobile Communications Inc. are excluded.)

CO2 emissions are calculated by multiplying the distance traveled by the number of employees traveling using the basic unit of output proposed by the GHG Protocol.

(4) Greenhouse gas emissions offset by greenhouse gas reduction activities

Greenhouse gas emissions offset by greenhouse gas reduction activities primarily include electrical power produced from renewable energy sources, purchases of electrical power produced from renewable energy sources and CO2 emission reductions realized through the purchase of power under the Green Power Certification System.

Updated on September 7, 2016

Resource Index Data Collection Methods and Rationale

The resource index is calculated as follows:

(1) Volume of waste landfilled from sites + (2) Product resource input – (3) Volume of reused/recycled materials – (4) Volume of resource recovery from end-of-life products

(1) Volume of waste landfilled from sites

Of the waste generated at sites, the weight sent to landfill.

(2) Product resource input

Total volume of resources used in products, accessories, manuals and packaging materials. Total weight of products shipped is used as a substitute.

(3) Volume of reused/recycled materials

Total volume of reused/recycled materials and vegetable-based plastics used for products, accessories, manuals and packaging

(4) Volume of resource recovery from end-of-life products

Volume of products collected from recycling multiplied by the reused/recycled ratio.

Volume of products collected from recycling is the weight of recycled products in Japan/East Asia, Europe, North America, Pan Asia, and Latin America.

Some amounts calculated based on the recycling expenses are included.

The reused/recycled ratio is the volume reused/recycled compared with the total volume collected. The amount of collected end-of-life products is substituted under the current situation.

Updated on September 7, 2016

Other Data Collection Methods and Rationale

(1) Volume of waste generated at sites

Total volume of industrial waste, non-industrial waste, valuables and materials sent for outsourced purification treatments at sites

(2) Substances to be treated by outsourcing purification

Materials generated as site waste and sent to an off-site contractor for elimination of contaminants for the purpose of reuse.

(3) Volume of chemical substances handled/emitted

Class 3 and Class 4 chemical substances for which the amount handled annually is 100kg(Class3)/1,000kg(Class4) or more are subject to reporting.

- The volume of chemical substances handled represents the volume of chemical substances used at sites; purchase volume is substituted when exact volume of usage cannot be determined.
- Volume of chemical substances released from sites in relation to their operation; calculations are based on purchase volume x distribution coefficient.

(4) Volume of water consumption/discharged

- The volume of water consumption represents the total volume of water used at sites (public water, industrial water, groundwater); for public water and industrial water, purchase volume is substituted for the purpose of calculation.
- The volume of water discharged represents the sum of discharges of water to waterways and to sewers. For Sony sites where it is not possible to accurately grasp actual discharge volume, a calculation based on the volume of water used x average per-site rate for volume of water discharged is substituted.

(5) Emissions of water pollutants (BOD, COD)

Concentrations in water emitted x volume of water emitted. Sites that are requested by law and/or by other demands such as contracts are subjected to this data collection.

(6) Emissions of air pollutants (NOx, SOx)

Volume calculated by multiplying emission volume by emission concentration, or by multiplying volume of fuel use by a coefficient. Sites that are requested by law and/or by other demands such as contracts are subjected to this data collection.

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ISO14001 Certified Sites

Since the early 1990s, Sony sites throughout the world have sought certification under ISO14001 and this was achieved in early fiscal year 2002. In fiscal year 2003, Sony further developed this activity by implementing a Group-wide, globally integrated environmental management system. In fiscal year 2005, all Sony Group sites, including the Sony Group's headquarters, which represents the core of this management system, acquired integrated ISO14001* certification in accordance with the fundamental requirements of this integrated management system.

* ISO certification covers all Sony Group manufacturing sites, distribution sites with 100 or more employees and non-manufacturing sites with 1,000 or more employees.

ISO14001 Certification Status

List of ISO14001 Certification - Jurisdiction under Japan/East Asia Regional Environmental Office (As of March 31, 2016)

List of ISO14001 Certification - Jurisdiction under Europe Regional Environmental Office (As of March 31, 2016)

List of ISO14001 Certification - Jurisdiction under North America Regional Environmental Office (As of March 31, 2016)

List of ISO14001 Certification - Jurisdiction under Latin America Regional Environmental Office (As of March 31, 2016)

List of ISO14001 Certification - Jurisdiction under Pan Asia Regional Environmental Office (As of March 31, 2016)

List of ISO14001 Certification - Jurisdiction under China Regional Environmental Office (As of March 31, 2016)

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List of ISO14001 Certification - Jurisdiction under Japan/East Asia Regional Environmental Office

(As of March 31, 2016)

ISO14001 Global Environmental Management System (GEMS) Certification

Headquarters/Business Unit

Name of Organization	Acquired (Global EMS)
Sony Corporation HQ Environmental Office	2004/06
Sony Video & Sound Products Inc. / Sony Visual Products Inc.	2004/09
Sony Corporation Imaging Products and Solutions Sector Professional Solutions Group	2004/09
Sony Corporation Devices Solutions Business Group	2004/10
Sony Corporation Imaging Products and Solutions Sector Digital Imaging Group	2005/01
Sony Computer Entertainment Inc.	2004/06
Sony Mobile Communications, Inc.	2005/01

Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony EMCS Corporation	2004/07	4
Sony Storage Media And Devices Corporation	2004/08	4
Sony Semiconductor Corporation	2004/10	7
Sony DADC Japan Inc.	2004/10	3
Sony Energy Devices Corporation	2004/10	3
Sony/Taiyo Corporation	2005/01	1
Sony Electronics of Korea Corporation	2005/04	2
Green Cycle Corporation	2013/02	1

Non-Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony Corporation Technology Center	2004/07	10
Sony LSI Design Inc.	2004/11	2
Sony Assurance Inc.	2004/12	1
Sony Music Group	2004/12	3
Sony Customer Service (Japan) Inc. Togane Technology Site	2004/12	1
Sony EMCS Corporation Gotanda Office	2005/01	1
Sony Business Solutions Corporation	2005/02	8
Sony Life Insurance Co., Ltd	2005/05	4
Jared Inc.	2005/07	7
Sony Taiwan Ltd.	2005/09	8
Sony Korea Corporation	2006/01	1
Frontage Inc.	2006/02	2
Sony Bank Inc.	2008/03	2
Sony Mobile Communications, Inc.	2015/01	2

ISO14001 Certified Sites

Updated on September 7, 2016

List of ISO14001 Certification - Jurisdiction under Europe Regional Environmental Office

(As of March 31, 2016)

ISO14001 Global Environmental Management System (GEMS) Certification

Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony DADC Austria AG	2004/10	2
Sony UK Technology Center	2005/06	1
Sony DADC UK Ltd, Southwater	2009/01	1

Non-Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony DADC Germany GmbH (Distribution Centre)	2011/05	1
Sony DADC IBERIA S.L. (Distribution Centre)	2012/01	1
Sony Music Entertainment UK Limited	2012/03	1
Sony DADC Czech Republic, s.r.o	2013/06	1
Sony DADC UK Ltd, Enfield Distribution Centre	2014/06	1

ISO14001 Certified Sites

Updated on September 7, 2016

List of ISO14001 Certification - Jurisdiction under North America Regional Environmental Office

(As of March 31, 2016)

ISO14001 Global Environmental Management System (GEMS) Certification

Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony DADC - Terre Haute	2005/03	1
Sony Service and Operations of America	2005/04	1
Sony DADC Brasil	2005/12	1

Non-Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony DADC Brasil (Distribution)	2005/12	1
Sony American Zone	2006/01	5
Sony Pictures Entertainment (SPE) Group	2006/01	4

ISO14001 Certified Sites

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List of ISO14001 Certification - Jurisdiction under Latin America Regional Environmental Office

(As of March 31, 2016)

ISO14001 Global Environmental Management System (GEMS) Certification

Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony Brasil Ltda.	2004/09	2

ISO14001 Certified Sites

Updated on September 7, 2016

List of ISO14001 Certification - Jurisdiction under Pan Asia Regional Environmental Office

(As of March 31, 2016)

ISO14001 Global Environmental Management System (GEMS) Certification

Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony Technology (Thailand) Co., Ltd.	2004/10	2
Sony Electronics (Singapore) Pte. Ltd., Energy Technology Singapore (fka SDS)	2004/11	1
Sony DADC Australia Pty Limited	2004/12	1
Sony Device Technology (Thailand) Co., Ltd	2005/06	1
Sony EMCS (Malaysia) Sdn. Bhd. (KL Tec, PG Tec)	2005/09	3

Non-Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
PT Sony Indonesia	2006/01	2
Sony India Pvt. Ltd.	2006/01	1
Sony India Software Centre Private Limited	2012/03	1

ISO14001 Certified Sites

Updated on September 7, 2016

List of ISO14001 Certification - Jurisdiction under China Regional Environmental Office

(As of March 31, 2016)

ISO14001 Global Environmental Management System (GEMS) Certification

Manufacturing Sites

Name of Organization	Acquired (Global EMS)	Number of sites
Sony Digital Products (Wuxi) Co., LTD.	2004/09	1
Shanghai Suoguang Visual Products Co., Ltd.	2005/02	1
Sony Precision Devices (Huizhou) Co., Ltd.	2005/02	1
Sony Electronics (Wuxi) Co., Pte. Ltd.	2005/03	1
Shanghai Suoguang Electronics Co., Ltd.	2005/04	1
Sony Electronics Huanan Co., Pte. Ltd.	2009/11	1
Shanghai Epic Music Entertainment Co., Ltd. Sony DADC China Co., Ltd.	2010/04	1
Beijing SE Potevio Mobile Communications Co., Ltd*	-	1

^{*} Stand alone certificate



Non-Manufacturing Sites

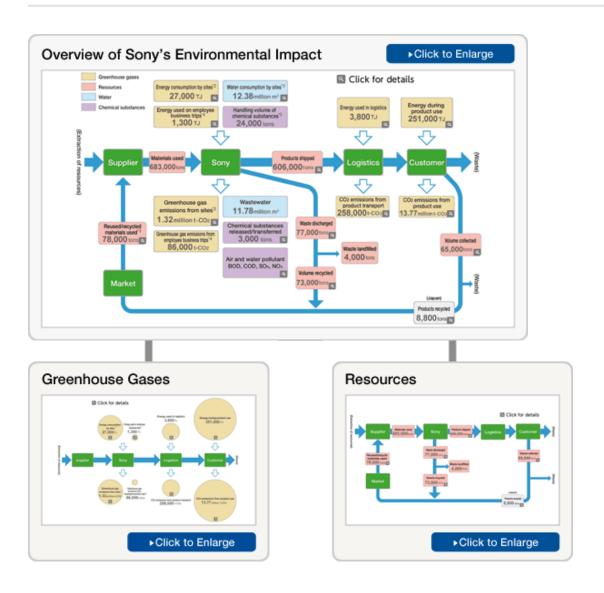
Name of Organization	Acquired (Global EMS)	Number of sites
Sony (China) Limited. Sony Supply Chain Solutions (China) Ltd. Sony Global Information System (Dalian) Co., Ltd.	2005/03	9

ISO14001 Certified Sites

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Overview of Environmental Impact and Eco-Efficiency

Overview of Environmental Impact



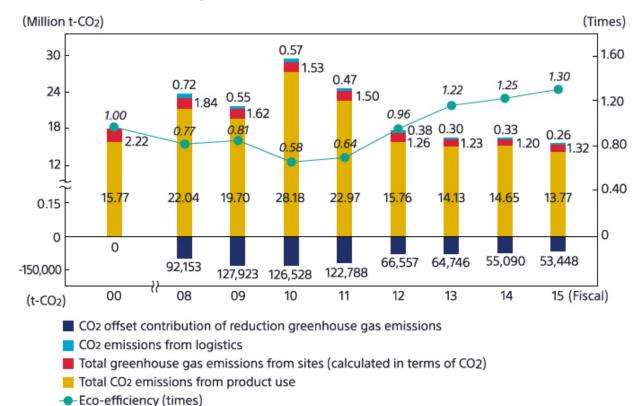
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Eco-Efficiency

Calculation formula for Eco-Efficiency : Eco-Efficiency = Sales / Environmental impact(Environmental index)

- · Greenhouse gas index = Total greenhouse gas emissions from sites + Total CO2 emissions from product use + Total CO2 emissions from logistics Greenhouse gas emissions offset by greenhouse gas reduction activities(CO2 offset by contribution of renewable energy)
- Resource index = Waste landfilled from sites + Product resource input Volume of reused / recycled materials Volume of resources recovered from end-of-life products

Greenhouse Gas Efficiency



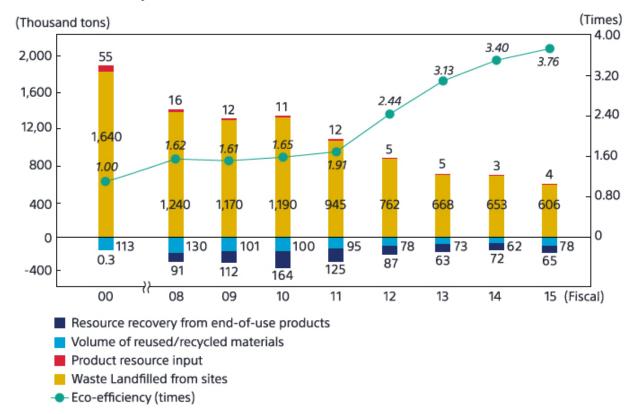
Greenhouse Gas Efficiency

[Million t-CO2]

	Total greenhouse gas emissions from sites (Calculated in terms of CO2)	Total CO2 emissions from product use	Total CO2 emissions from logistics	Greenhouse gas emissions offset	Eco- Efficiency (times)
Fiscal 2000	2.22	15.77		0	1.00
Fiscal 2001	2.13	15.09		0.00075	1.08
Fiscal 2002	2.10	15.30		0.0026	1.06
Fiscal 2003	2.11	15.11		0.0068	1.07
Fiscal 2004	2.15	16.48		0.0065	0.95
Fiscal 2005	2.18	15.32		0.016	1.05
Fiscal 2006	2.03	17.83		0.013	0.97
Fiscal 2007	2.07	19.34		0.020	0.97
Fiscal 2008	1.84	22.04	0.72	0.092	0.77
Fiscal 2009	1.62	19.70	0.55	0.128	0.81
Fiscal 2010	1.53	28.18	0.57	0.127	0.58
Fiscal 2011	1.50	22.97	0.47	0.123	0.64
Fiscal 2012	1.26	15.76	0.38	0.067	0.96
Fiscal 2013	1.23	14.13	0.30	0.065	1.22
Fiscal 2014	1.20	14.65	0.33	0.055	1.25
Fiscal 2015	1.32	13.77	0.26	0.053	1.30

SONY

Resource Efficiency



Resource Efficiency

[Thousand ton]

	Waste landfilled from sites	Volume of product resource input	Volume of reused/ recycled materials	Resource recovery from end-of-life products	Resource macro indicator	Eco- Efficiency (times)
Fiscal 2000	55	1,640	113	0	1,581	1.00
Fiscal 2001	45	1,500	97	10	1,443	1.14
Fiscal 2002	37	1,460	114	14	1,367	1.18
Fiscal 2003	18	1,450	110	15	1,338	1.21
Fiscal 2004	26	1,430	162	17	1,280	1.21
Fiscal 2005	23	1,250	134	30	1,113	1.45
Fiscal 2006	20	1,230	129	36	1,087	1.65
Fiscal 2007	17	1,230	131	68	1,084	1.77



Fiscal 2008	16	1,240	130	91	1,034	1.62
Fiscal 2009	12	1,170	101	112	967	1.61
Fiscal 2010	11	1,190	100	164	940	1.65
Fiscal 2011	12	945	95	125	736	1.91
Fiscal 2012	5	762	78	87	603	2.44
Fiscal 2013	5	668	73	63	537	3.13
Fiscal 2014	3	653	62	72	523	3.40
Fiscal 2015	4	606	78	65	467	3.76

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Updated on September 7, 2016

Greenhouse Gas Emissions

Greenhouse Gas Emissions from Sites

(Unit: t-CO₂) (Unit: t-CO₂) (Unit: t-CO₂) (Unit: t-CO₂/million yen)

	Timion ye					
	total greenhouse gas emissions	greenhouse gas emissions offset*	the emissions from which greenhouse gas emissions offset is subtracted	Emissions divided by consolidated sales(Emission Intensity)		
Fiscal 2000	2,218,026	0	2,218,026	0.303		
Fiscal 2001	2,127,425	748	2,126,677	0.281		
Fiscal 2002	2,101,783	2,570	2,099,213	0.280		
Fiscal 2003	2,120,414	6,837	2,113,577	0.281		
Fiscal 2004	2,151,875	6,469	2,145,406	0.298		
Fiscal 2005	2,195,959	15,715	2,180,244	0.290		
Fiscal 2006	2,041,080	12,984	2,028,096	0.244		
Fiscal 2007	2,091,963	20,008	2,071,955	0.234		
Fiscal 2008	1,928,847	92,153	1,836,694	0.238		
Fiscal 2009	1,745,217	127,923	1,617,294	0.224		



Fiscal 2010	1,653,011	126,528	1,526,483	0.213
Fiscal 2011	1,623,664	122,746	1,500,918	0.231
Fiscal 2012	1,328,193	66,548	1,261,645	0.186
Fiscal 2013	1,295,817	64,746	1,231,071	0.158
Fiscal 2014	1,253,641	55,090	1,198,551	0.146
Fiscal 2015	1,368,498	53,448	1,315,050	0.162

* CO2 emissions offset by means that include power generation by renewable energy, purchasing of electricity generated by renewable energy, and purchasing of renewable energy certificates. Figures are calculated by multiplying CO2 conversion rate by power generation (kWh) or quantity of purchase (kWh).

Emissions by Business Category in Fiscal 2015

(Unit: t-CO₂)

Floatuo nica	Other than Electronics					
Electronics	Music	Movie	Finance	Others		
1,252,776	4,504	38,932	1,372	17,466		

Scope 1 (Direct Emissions from Sites)

(Unit: t-CO2)

		Gre	eenhouse	Gas Emissi	ions		CO ₂ Emissions	Total
	HFCs	PFCs	SF6	NF3	Other	Total	from Energy Use	
Fiscal 2000	7,823	242,580	51,947	2,780	235	305,365	586,121	891,486
Fiscal 2001	6,553	206,780	43,118	8,669	443	265,563	542,291	807,854
Fiscal 2002	6,754	150,996	39,351	5,988	1,131	204,220	532,942	737,162
Fiscal 2003	4,275	130,464	45,481	7,833	6,634	194,687	522,212	716,899
Fiscal 2004	5,619	150,298	58,163	15,637	6,931	236,648	480,397	717,045
Fiscal 2005	4,492	150,928	62,099	11,490	8,864	237,873	439,993	677,866
Fiscal 2006	4,915	121,073	53,725	14,025	16,381	210,119	334,938	545,057
Fiscal 2007	4,872	127,328	49,053	15,221	52,469	248,943	276,848	525,791
Fiscal 2008	7,898	119,596	47,117	14,971	20,793	210,374	254,379	464,753
Fiscal 2009	6,817	64,063	30,210	12,049	10,831	123,970	246,080	370,050
Fiscal 2010	3,470	70,364	47,896	15,025	13,640	150,396	212,233	362,629
Fiscal 2011	3,412	49,489	43,989	19,049	23,453	139,392	214,067	353,459
Fiscal 2012	2,861	45,300	36,778	16,021	27,715	128,674	172,547	301,221
Fiscal 2013	5,692	43,025	43,838	20,144	26,811	139,510	164,734	304,244
Fiscal 2014	3,980	44,582	44,889	26,324	26,144	145,918	143,503	289,420
Fiscal 2015	5,700	60,131	47,881	33,492	23,969	171,173	152,957	324,130

Scope 2 (Indirect Emissions from Sites)

(Unit: t-CO2)

	Purchased Electricity			Total		
	total greenhouse gas emissions	the emissions from which greenhouse gas emissions offset is subtraced	Purchased Heat	total greenhouse gas emissions	the emissions from which greenhouse gas emissions offset is subtracted	
Fiscal 2000		1,325,478	1,061	1,061	1,326,539	
Fiscal 2001		1,317,742	1,081		1,318,823	
Fiscal 2002		1,360,856	1,195		1,362,051	
Fiscal 2003		1,393,452	3,226		1,396,678	
Fiscal 2004		1,423,706	4,656		1,428,362	
Fiscal 2005		1,496,083	6,295		1,502,378	
Fiscal 2006		1,467,183	22,173		1,489,356	
Fiscal 2007		1,515,172	30,991		1,546,163	
Fiscal 2008		1,342,423	29,518		1,371,941	
Fiscal 2009		1,221,392	25,853		1,247,245	
Fiscal 2010	1,267,240	1,141,048	23,143	1,290,383	1,164,191	
Fiscal 2011	1,240,416	1,118,110	29,789	1,270,205	1,147,899	
Fiscal 2012	980,626	914,350	46,347	1,026,973	960,697	
Fiscal 2013	958,647	894,154	32,926	991,574	927,081	
Fiscal 2014	934,949	879,858	29,272	964,221	909,130	
Fiscal 2015	1,015,471	962,023	28,897	1,044,367	990,919	

Scope 3 Emissions in Fiscal 2015 (Other Emissions)

	Category	Emissions (t-CO ₂)	Overview of calculation
1	Purchased goods and services	5,193,000	Emissions associated with raw materials and parts for use in electronics products sold by and the goods purchased by the Sony Group, from the extraction of resources through to production, as well as emissions related to certain data center use.
2	Capital goods	1,248,000	Emissions associated with the production of capital goods invested in by the Sony Group.
3	Fuel- and energy- related activities (not included in scope 1 or scope 2)	110,000	Emissions associated with procurement of fuels and energy consumed by Sony Group sites.
4	Upstream transportation and distribution	278,000	Emissions associated with the transportation and storage of electronics products sold by the Sony Group and purchased parts.
5	Waste generated in operations	47,000	Emissions associated with the treatment and disposal of waste generated by Sony Group sites.
6	Business travel	86,000	Emissions associated with travel (by air) for business purposes by Sony Group electronics group companies employees in Japan, Europe, North America and China.(excluding Sony Mobile Communications)
7	Employee commuting	108,000	Emissions associated with employees' commutes from their homes to their workplace.

8	Upstream leased assets	-	Not applicable (accounted for in other categories)
9	Downstream transportation and distribution	3,000	Emissions associated with the distribution of electronics products sold by the Sony Group from retailers to consumers.
10	Processing of sold products	3,000	Emissions associated with the assumed post-sale third-party processing of electronics products sold by the Sony Group.
11	Use of sold products	13,772,000	Emissions associated with the consumption of electricity over their lifetime by electronics products sold by the Sony Group.
12	End-of-life treatment of sold products	287,000	Emissions associated with the assumed end-of-life recycling or disposal of electronics products sold by the Sony Group.
13	Downstream leased assets	-	Not applicable
14	Franchises	-	Not applicable
15	Investments	22,000	Emissions associated with the business activities of companies in which the Sony Group has invested.

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Environmental Data for Sites

Environmental Data for Sites (Worldwide)

Environmental Data for Sites (Japan / East Asia region)

Environmental Data for Sites (North America region)

Environmental Data for Sites (Latin America region)

Environmental Data for Sites (Europe region)

Environmental Data for Sites (Pan Asia region)

Environmental Data for Sites (China region)

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Environmental Data for Sites (Worldwide)

Energy (Unit: t-CO₂)

	Electricity consumption	Gas consumption	Oil consumption	Vehicle fuel	Total
Fiscal 2000	1,325,478	312,151	240,770	34,261	1,912,660
Fiscal 2001	1,317,742	275,016	234,095	34,261	1,861,114
Fiscal 2002	1,360,856	334,793	165,083	34,261	1,894,993
Fiscal 2003	1,393,452	326,985	161,859	36,594	1,918,889
Fiscal 2004	1,423,706	301,464	149,299	34,290	1,908,759
Fiscal 2005	1,496,083	285,848	125,247	35,193	1,942,371
Fiscal 2006	1,467,183	238,798	83,466	34,847	1,824,295
Fiscal 2007	1,515,172	209,680	56,823	41,336	1,823,011
Fiscal 2008	1,342,423	189,150	56,057	38,690	1,626,320
Fiscal 2009	1,221,392	185,514	44,167	42,252	1,493,325
Fiscal 2010	1,141,048	171,358	31,086	32,932	1,376,424
Fiscal 2011	1,118,110	167,044	42,333	34,479	1,361,966
Fiscal 2012	914,350	111,189	36,023	25,334	1,086,897
Fiscal 2013	894,154	111,319	28,660	24,755	1,058,888
Fiscal 2014	880,083	101,966	22,695	18,842	1,023,586
Fiscal 2015	962,262	108,803	22,353	21,802	1,115,219
Fiscal 2015	962,262	108,803	22,353	21,802	1,115,219

^{*} Electricity consumption is calculated based on the CO₂ conversion rate used in the countries in which Sony sites are located in fiscal 2000.

^{*} Figures for vehicle fuel in fiscal 2000 and 2001 are not available and have been substituted by figure in fiscal 2002.

Water (Unit: m³)

	Water consumption	Water discharge
Fiscal 2000	26,883,710	
Fiscal 2001	24,381,288	
Fiscal 2002	24,627,784	
Fiscal 2003	21,438,431	
Fiscal 2004	22,943,862	
Fiscal 2005	23,705,314	
Fiscal 2006	22,345,200	15,287,388
Fiscal 2007	21,287,613	16,501,885
Fiscal 2008	18,186,286	16,817,247
Fiscal 2009	15,204,523	14,285,398
Fiscal 2010	15,726,486	13,631,873
Fiscal 2011	16,728,666	15,157,421
Fiscal 2012	12,073,829	11,418,107
Fiscal 2013	11,001,944	10,451,845
Fiscal 2014	10,605,162	10,161,756
Fiscal 2015	12,383,162	11,777,263

^{*} Effective from fiscal 2003, water used represents the volume of water used less contribution to water conservation (water cultivation).

Waste* (Unit: tons)

	Waste generated	Waste reused/recycled	Waste landfilled	Waste weight reduced
Fiscal 2000	281,450	226,046	55,404	
Fiscal 2001	257,769	212,630	45,141	
Fiscal 2002	223,726	186,528	37,198	
Fiscal 2003	224,166	195,156	29,010	

Fiscal 2004	214,807	189,197	25,610	
Fiscal 2005	213,120	189,893	23,377	
Fiscal 2006	193,120	173,066	20,055	
Fiscal 2007	191,582	174,768	16,814	
Fiscal 2008	168,160	152,454	15,706	
Fiscal 2009	147,371	134,909	12,461	
Fiscal 2010	128,124	117,175	10,949	
Fiscal 2011	115,596	104,073	11,523	
Fiscal 2012	84,586	78,933	5,455	199
Fiscal 2013	79,871	75,069	4,695	106
Fiscal 2014	77,575	74,206	3,298	71
Fiscal 2015	77,254	73,107	4,076	71

^{* &}quot;Waste" includes valuables, substances to be treated by outsourcing, and non-industrial waste.

Chemical substances (Unit: tons)

	Class 1 substances used	Class 2 substances used	Class 3 substances used	Class 4 substances used	Total
Fiscal 2000	3.9	703	17,042	27,490	45,239
Fiscal 2001	0.35	468	19,221	26,627	46,315
Fiscal 2002	0.37	203	16,292	43,408	59,904
Fiscal 2003	0.71	177	14,412	36,013	50,604
Fiscal 2004	0.67	85	15,594	28,460	44,140
Fiscal 2005	0.61	20	16,083	28,895	44,998
Fiscal 2006	1.91	0	10,215	37,674	47,891
Fiscal 2007	1.84	0	24,932	37,279	62,213

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^{*} Since fiscal 2012, waste weight reduced due to measures including incineration is subtracted from the amount of waste landfilled.

Fiscal 2008	1.60	0	9,163	30,995	40,159
Fiscal 2009	1.20	0	7,370	41,839	49,210
Fiscal 2010	5.25	0	8,019	59,949	67,973
Fiscal 2011	0.71	1,003	17,691	65,580	84,275
Fiscal 2012	1.23	913	12,462	33,778	47,154
Fiscal 2013	1.39	964	12,685	30,071	43,720
Fiscal 2014	1.17	1,027	13,403	29,085	43,516
Fiscal 2015	0.78	1,145	13,503	37,189	51,837

^{*} Chemical substances used represents the volume handled less the volume recycled.

Environmental Data for Sites

^{*} Classification of some substances has changed since fiscal 2011.

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Environmental Data for Sites (Japan / East Asia region)

Energy (Unit: t-CO2)

	Electricity consumption	Gas consumption	Oil consumption	Vehicle fuel	Total
Fiscal 2000	596,848	139,828	190,680	7,556	927,355
Fiscal 2001	628,628	130,598	176,099	7,556	935,324
Fiscal 2002	661,642	134,177	137,168	7,556	940,543
Fiscal 2003	696,061	129,054	148,726	7,952	981,793
Fiscal 2004	717,417	92,605	138,267	7,819	956,108
Fiscal 2005	772,465	98,398	116,936	6,062	993,861
Fiscal 2006	828,487	119,805	78,447	2,501	1,029,240
Fiscal 2007	865,003	129,068	52,068	7,503	1,053,642
Fiscal 2008	805,517	121,779	51,586	7,860	986,742
Fiscal 2009	729,831	117,166	42,786	7,119	896,903
Fiscal 2010	707,116	111,316	30,567	6,918	855,917
Fiscal 2011	726,178	110,214	38,063	6,487	880,943
Fiscal 2012	582,073	77,965	35,078	4,140	699,256
Fiscal 2013	547,206	73,487	27,260	3,651	651,604
Fiscal 2014	528,721	73,502	22,018	2,537	626,777
Fiscal 2015	623,521	82,941	21,862	1,111	729,435

^{*} Electricity consumption is calculated based on the CO2 conversion rate used in the countries in which Sony sites are located in fiscal 2000.

^{*} Figures for vehicle fuel in fiscal 2000 and 2001 are not available and have been substituted by figure in fiscal 2002.

Water (Unit: m³)

	Water consumption	Water discharge
Fiscal 2000	14,117,409	
Fiscal 2001	14,257,885	
Fiscal 2002	14,279,835	
Fiscal 2003	13,027,101	
Fiscal 2004	14,880,167	
Fiscal 2005	16,175,227	
Fiscal 2006	14,709,548	11,398,578
Fiscal 2007	14,484,305	12,649,224
Fiscal 2008	12,749,799	12,095,146
Fiscal 2009	11,030,734	10,844,237
Fiscal 2010	12,031,106	10,654,861
Fiscal 2011	12,499,642	11,623,179
Fiscal 2012	9,154,454	9,022,644
Fiscal 2013	8,125,495	8,200,485
Fiscal 2014	7,990,699	8,023,153
Fiscal 2015	9,934,545	9,838,602

^{*} Effective from fiscal 2003, water used represents the volume of water used less contribution to water conservation (water cultivation).

Waste* (Unit: tons)

	Waste generated	Waste reused/recycled	Waste landfilled	Waste weight reduced
Fiscal 2000	116,815	108,399	8,416	
Fiscal 2001	116,305	112,215	4,090	
Fiscal 2002	91,055	88,041	3,014	
Fiscal 2003	92,554	89,916	2,638	

Fiscal 2004	82,269	80,584	1,685	
Fiscal 2005	80,449	78,502	1,947	
Fiscal 2006	72,759	70,827	1,933	
Fiscal 2007	74,596	73,404	1,192	
Fiscal 2008	64,055	62,892	1,163	
Fiscal 2009	54,382	53,456	926	
Fiscal 2010	53,337	52,406	932	
Fiscal 2011	51,472	50,495	977	
Fiscal 2012	36,096	35,759	139	199
Fiscal 2013	35,712	35,541	65	106
Fiscal 2014	33,406	33,268	67	71
Fiscal 2015	38,994	38,852	71	71

^{* &}quot;Waste" includes valuables, substances to be treated by outsourcing, and non-industrial waste.

Chemical substances (Unit: tons)

	Class 1 substances used	Class 2 substances used	Class 3 substances used	Class 4 substances used	Total
Fiscal 2000	3.85	146	6,832	13,924	20,906
Fiscal 2001	0.26	66	7,116	17,663	24,845
Fiscal 2002	0.35	61	6,078	27,446	33,584
Fiscal 2003	0.70	37	6,745	28,928	35,711
Fiscal 2004	0.67	27	6,780	21,460	28,267
Fiscal 2005	0.61	17	7,629	23,788	31,435
Fiscal 2006	1.88	0	7,414	32,650	40,066
Fiscal 2007	1.79	0	21,211	33,403	54,616

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^{*} Since fiscal 2012, waste weight reduced due to measures including incineration is subtracted from the amount of waste landfilled.

Fiscal 2008	1.60	0	7,250	28,265	35,517
Fiscal 2009	1.20	0	5,465	39,463	44,930
Fiscal 2010	5.25	0	6,219	57,530	63,754
Fiscal 2011	0.58	859	14,538	53,115	68,513
Fiscal 2012	0.23	729	10,557	22,938	34,224
Fiscal 2013	0.10	668	10,283	19,683	30,634
Fiscal 2014	0.04	665	10,634	16,007	27,306
Fiscal 2015	0.09	791	10,527	22,832	34,150

^{*} Chemical substances used represents the volume handled less the volume recycled.

Environmental Data for Sites

^{*} Classification of some substances has changed since fiscal 2011.

^{*} Japan / East Asia region: Japan, Taiwan Region and South Korea

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Environmental Data for Sites (North America region)

Since fiscal year 2009, North America and Latin America, which are part of the Americas region, have been managed separately. Data prior to fiscal 2009 show the sum of North America's and Latin America's data.

Energy (Unit: t-CO₂)

	Electricity consumption	Gas consumption	Oil consumption	Vehicle fuel	Total
Fiscal 2000	403,204	108,780	407	4,274	512,391
Fiscal 2001	377,713	84,722	4,160	4,274	466,596
Fiscal 2002	402,200	130,579	16	4,274	537,069
Fiscal 2003	373,939	131,959	1,392	1,731	509,021
Fiscal 2004	360,260	131,316	2,164	1,379	495,119
Fiscal 2005	372,722	133,029	1,224	1,520	508,495
Fiscal 2006	278,572	40,478	77	3,018	322,145
Fiscal 2007	269,101	31,169	50	5,975	306,295
Fiscal 2008	244,326	28,854	58	4,553	277,791
Fiscal 2009	193,316	30,750	167	9,784	234,018
Fiscal 2010	137,496	20,312	182	5,865	163,855
Fiscal 2011	100,399	18,872	352	8,237	127,860
Fiscal 2012	99,374	21,853	20	7,786	129,033
Fiscal 2013	98,170	23,658	20	8,217	130,065
Fiscal 2014	96,141	19,142	15	6,564	121,863
Fiscal 2015	81,723	16,546	20	10,965	109,254

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- * Electricity consumption is calculated based on the CO2 conversion rate used in the countries in which Sony sites are located in fiscal 2000.
- * Figures for vehicle fuel in fiscal 2000 and 2001 are not available and have been substituted by figure in fiscal 2002.

Water (Unit: m³)

	Water consumption	Water discharge
Fiscal 2000	5,786,088	
Fiscal 2001	5,275,979	
Fiscal 2002	5,549,278	
Fiscal 2003	4,301,028	
Fiscal 2004	3,587,359	
Fiscal 2005	3,347,347	
Fiscal 2006	2,687,557	580,313
Fiscal 2007	2,609,021	501,570
Fiscal 2008	1,588,178	1,336,592
Fiscal 2009	1,144,837	890,192
Fiscal 2010	888,375	713,410
Fiscal 2011	772,107	704,393
Fiscal 2012	720,029	653,663
Fiscal 2013	688,257	602,098
Fiscal 2014	612,511	556,207
Fiscal 2015	491,854	428,421

Waste* (Unit: tons)

	Waste generated	Waste reused/recycled	Waste landfilled
Fiscal 2000	97,958	71,042	26,916
Fiscal 2001	83,125	58,517	24,608
Fiscal 2002	77,430	57,355	20,075
Fiscal 2003	75,841	62,101	13,740
Fiscal 2004	75,593	64,508	11,085
Fiscal 2005	79,881	67,783	12,256
Fiscal 2006	66,268	54,688	11,580
Fiscal 2007	52,964	44,464	8,500
Fiscal 2008	42,655	36,310	6,345
Fiscal 2009	35,804	31,078	4,726
Fiscal 2010	23,642	20,608	3,034
Fiscal 2011	19,872	17,904	1,968
Fiscal 2012	14,740	13,500	1,241
Fiscal 2013	11,616	10,751	865
Fiscal 2014	12,397	11,601	795
Fiscal 2015	11,981	10,368	1,613

^{* &}quot;Waste" includes valuables, substances to be treated by outsourcing, and non-industrial waste.

Chemical substances (Unit: tons)

	Class 1 substances used	Class 2 substances used	Class 3 substances used	Class 4 substances used	Total
Fiscal 2000	0.05	112	8,875	10,375	19,362
Fiscal 2001	0.09	36	10,760	6,041	16,837
Fiscal 2002	0.01	67	9,136	14,552	23,755

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Fiscal 2003	0.01	74	6,856	5,556	12,486
Fiscal 2004	0	46	7,975	4,510	12,531
Fiscal 2005	0	0	7,477	2,779	10,256
Fiscal 2006	0	0	2,561	2,287	4,847
Fiscal 2007	0	0	2,865	688	3,552
Fiscal 2008	0	0	1,101	384	1,485
Fiscal 2009	0	0	364	311	675
Fiscal 2010	0	0	145	400	545
Fiscal 2011	0	19	124	268	412
Fiscal 2012	0	12	115	204	331
Fiscal 2013	0	10	115	199	324
Fiscal 2014	0	10	68	85	164
Fiscal 2015	0	8	49	128	185

^{*} Chemical substances used represents the volume handled less the volume recycled.

Environmental Data for Sites

^{*} Classification of some substances has changed since fiscal 2011.

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Environmental Data for Sites (Latin America region)

Since fiscal year 2009, North America and Latin America, which are part of the Americas region, have been managed separately. This page shows data for Latin American region since fiscal 2009.

Energy (Unit: t-CO₂)

	Electricity consumption	Gas consumption	Oil consumption	Vehicle fuel	Total
Fiscal 2009	2,080	247	0	85	2,411
Fiscal 2010	2,540	362	69	190	3,161
Fiscal 2011	2,805	333	79	729	3,946
Fiscal 2012	1,451	61	48	40	1,599
Fiscal 2013	1,408	0	39	33	1,481
Fiscal 2014	841	0	65	33	939
Fiscal 2015	578	0	20	32	630

^{*} Electricity consumption is calculated based on the CO2 conversion rate used in the countries in which Sony sites are located in fiscal 2000.

Water (Unit: m³)

	Water consumption	Water discharge
Fiscal 2009	54,310	46,164
Fiscal 2010	97,163	82,589
Fiscal 2011	64,392	54,733
Fiscal 2012	45,036	38,281

Fiscal 2013	46,197	36,958
Fiscal 2014	30,198	26,016
Fiscal 2015	19,320	15,376

Waste* (Unit: tons)

	Waste generated	Waste reused/recycled	Waste landfilled
Fiscal 2009	2,442	2,171	271
Fiscal 2010	5,555	3,716	1,839
Fiscal 2011	7,549	4,684	2,864
Fiscal 2012	6,057	5,311	746
Fiscal 2013	4,949	4,916	33
Fiscal 2014	2,676	2,653	23
Fiscal 2015	1,106	1,102	4

^{* &}quot;Waste" includes valuables, substances to be treated by outsourcing, and non-industrial waste.

Chemical substances (Unit: tons)

	Class 1 substances used	Class 2 substances used	Class 3 substances used	Class 4 substances used	Total
Fiscal 2009	0	0	0	0	0
Fiscal 2010	0	0	11	0	11
Fiscal 2011	0	0	9	0	9
Fiscal 2012	0	43	23	0.08	67
Fiscal 2013	0	24	6	0.02	29
Fiscal 2014	0	0.12	2	0.003	2
Fiscal 2015	0	0.05	0.42	0.0003	0.47

- * Chemical substances used represents the volume handled less the volume recycled.
- * Classification of some substances has changed since fiscal 2011.

Environmental Data for Sites

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Environmental Data for Sites (Europe region)

Energy (Unit: t-CO₂)

	Electricity consumption	Gas consumption	Oil consumption	Vehicle fuel	Total
Fiscal 2000	92,008	32,954	7,633	8,313	132,595
Fiscal 2001	82,186	35,175	4,619	8,313	121,981
Fiscal 2002	78,154	46,644	6,048	8,313	139,160
Fiscal 2003	85,687	39,217	5,760	11,041	141,705
Fiscal 2004	79,368	50,758	5,944	12,079	148,149
Fiscal 2005	54,672	30,640	5,299	10,739	101,350
Fiscal 2006	37,473	12,212	4,805	9,228	63,718
Fiscal 2007	35,039	11,729	4,653	9,906	61,327
Fiscal 2008	117	9,212	4,386	9,434	23,149
Fiscal 2009	0	8,720	13	8,787	17,519
Fiscal 2010	0	7,475	137	7,150	14,762
Fiscal 2011	0	6,019	260	6,570	12,849
Fiscal 2012	0	1,752	501	689	2,942
Fiscal 2013	0	1,533	481	615	2,629
Fiscal 2014	0	1,313	377	318	2,008
Fiscal 2015	0	1,167	267	272	1,706

^{*} Electricity consumption is calculated based on the CO2 conversion rate used in the countries in which Sony sites are located in fiscal 2000.

^{*} Figures for vehicle fuel in fiscal 2000 and 2001 are not available and have been substituted by figure in fiscal 2002.

Water (Unit: m³)

	Water consumption	Water discharg
Fiscal 2000	2,052,375	
Fiscal 2001	1,161,808	
Fiscal 2002	1,010,868	
Fiscal 2003	1,159,588	
Fiscal 2004	1,075,356	
Fiscal 2005	574,234	
Fiscal 2006	311,957	133,828
Fiscal 2007	305,479	130,326
Fiscal 2008	292,069	260,126
Fiscal 2009	233,650	187,703
Fiscal 2010	163,140	130,515
Fiscal 2011	132,005	120,352
Fiscal 2012	73,829	68,085
Fiscal 2013	61,438	48,850
Fiscal 2014	56,346	51,058
Fiscal 2015	63,129	54,139

Waste* (Unit: tons)

	Waste generated	Waste reused/recycled	Waste landfilled
Fiscal 2000	32,176	24,327	7,849
Fiscal 2001	26,558	19,983	6,575
Fiscal 2002	30,360	23,007	7,353
Fiscal 2003	29,415	24,004	5,411
Fiscal 2004	30,957	26,079	4,878

Fiscal 2005	27,938	23,851	4,087
Fiscal 2006	30,579	28,287	2,291
Fiscal 2007	34,381	32,964	1,416
Fiscal 2008	36,679	35,663	1,016
Fiscal 2009	25,630	24,943	688
Fiscal 2010	15,994	15,639	355
Fiscal 2011	7,004	6,792	213
Fiscal 2012	5,163	5,074	90
Fiscal 2013	5,501	5,354	146
Fiscal 2014	5,602	5,521	82
Fiscal 2015	5,294	5,240	54

^{* &}quot;Waste" includes valuables, substances to be treated by outsourcing, and non-industrial waste.

Chemical substances (Unit: tons)

	Class 1 substances used	Class 2 substances used	Class 3 substances used	Class 4 substances used	Total
Fiscal 2000	0	127	699	490	1,317
Fiscal 2001	0	48	689	253	990
Fiscal 2002	0	27	466	745	1,238
Fiscal 2003	0	4	360	872	1,236
Fiscal 2004	0	1	304	1,162	1,467
Fiscal 2005	0	1	383	620	1,004
Fiscal 2006	0	0	80	241	320
Fiscal 2007	0	0	86	312	398
Fiscal 2008	0.01	0	65	294	359
Fiscal 2009	0	0	40	318	358

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Fiscal 2010	0	0	38	259	297
Fiscal 2011	0	10	1,156	10,033	11,199
Fiscal 2012	0.001	7	107	8,958	9,071
Fiscal 2013	0.08	4	120	7,974	8,098
Fiscal 2014	0	3	121	7,239	7,364
Fiscal 2015	0	3	130	8,638	8,771

^{*} Chemical substances used represents the volume handled less the volume recycled.

Environmental Data for Sites

^{*} Classification of some substances has changed since fiscal 2011.

Updated on September 7, 2016

Environmental Data for Sites (Pan Asia region)

Energy (Unit: t-CO₂)

	Electricity consumption	Gas consumption	Oil consumption	Vehicle fuel	Total
Fiscal 2000	197,365	24,842	30,336	13,267	252,542
Fiscal 2001	194,095	20,406	39,855	13,267	254,356
Fiscal 2002	179,725	17,287	10,573	13,267	220,852
Fiscal 2003	183,478	16,101	3,438	13,580	216,598
Fiscal 2004	181,220	16,102	2,788	11,634	211,744
Fiscal 2005	189,803	14,580	1,171	15,322	220,877
Fiscal 2006	190,365	13,771	131	15,352	219,619
Fiscal 2007	192,352	9,449	46	16,644	218,491
Fiscal 2008	149,340	3,107	15	13,720	166,183
Fiscal 2009	145,457	3,218	1,196	13,528	163,398
Fiscal 2010	137,726	3,152	121	10,093	151,093
Fiscal 2011	110,793	3,200	1,259	9,872	125,124
Fiscal 2012	81,483	3,422	82	9,505	94,491
Fiscal 2013	84,972	3,740	68	9,106	97,886
Fiscal 2014	85,337	4,946	86	6,584	96,954
Fiscal 2015	83,540	3,801	138	6,342	93,822

^{*} Electricity consumption is calculated based on the CO2 conversion rate used in the countries in which Sony sites are located in fiscal 2000.

^{*} Figures for vehicle fuel in fiscal 2000 and 2001 are not available and have been substituted by figure in fiscal 2002.

Water (Unit: m³)

	Water consumption	Water discharge
Fiscal 2000	4,927,838	
Fiscal 2001	2,317,156	
Fiscal 2002	1,883,386	
Fiscal 2003	1,544,897	
Fiscal 2004	1,647,736	
Fiscal 2005	1,706,043	
Fiscal 2006	1,749,326	1,417,563
Fiscal 2007	1,868,089	1,403,573
Fiscal 2008	1,592,292	1,328,884
Fiscal 2009	1,455,200	1,212,427
Fiscal 2010	1,448,098	1,190,619
Fiscal 2011	1,258,339	1,055,108
Fiscal 2012	1,016,419	844,036
Fiscal 2013	961,082	777,482
Fiscal 2014	897,091	753,425
Fiscal 2015	827,151	672,689

^{*} Fiscal 2000 data includes China region's data.

Waste* (Unit: tons)

	Waste generated	Waste reused/recycled	Waste landfilled
Fiscal 2000	34,502	22,279	12,222
Fiscal 2001	27,830	18,467	9,364
Fiscal 2002	20,744	14,868	5,877
Fiscal 2003	21,640	17,023	4,617

Fiscal 2004	18,973	15,007	3,965
Fiscal 2005	17,328	14,597	2,730
Fiscal 2006	15,668	12,420	3,248
Fiscal 2007	19,539	15,970	3,569
Fiscal 2008	14,613	10,692	3,920
Fiscal 2009	19,610	16,223	3,387
Fiscal 2010	20,564	16,276	4,288
Fiscal 2011	17,974	14,446	3,528
Fiscal 2012	12,901	10,732	2,169
Fiscal 2013	11,926	9,871	2,055
Fiscal 2014	12,066	10,859	1,208
Fiscal 2015	11,256	9,731	1,524

^{*} Fiscal 2000 data includes China region's data.

Chemical substances (Unit: tons)

	Class 1 substances used	Class 2 substances used	Class 3 substances used	Class 4 substances used	Total
Fiscal 2000	0	318	636	2,701	3,655
Fiscal 2001	0	276	619	1,435	2,330
Fiscal 2002	0	29	577	311	917
Fiscal 2003	0	25	424	249	698
Fiscal 2004	0	8	457	232	697
Fiscal 2005	0	2	439	166	607
Fiscal 2006	0	0	150	388	538
Fiscal 2007	0	0	157	244	401
Fiscal 2008	0	0	119	130	250

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^{* &}quot;Waste" includes valuables, substances to be treated by outsourcing, and non-industrial waste.

Fiscal 2009	0	0	111	37	148
Fiscal 2010	0	0	106	35	141
Fiscal 2011	0	2	324	13	339
Fiscal 2012	0.97	11	536	14	563
Fiscal 2013	1.13	106	566	83	756
Fiscal 2014	0.74	214	983	140	1,338
Fiscal 2015	0.58	215	988	166	1,369

^{*} Chemical substances used represents the volume handled less the volume recycled.

Environmental Data for Sites

^{*} Classification of some substances has changed since fiscal 2011.

^{*} Pan asia region: Southeast Asia, Middle East, Africa and Oceania

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Environmental Data for Sites (China region)

Energy (Unit: t-CO₂)

	Electricity consumption	Gas consumption	Oil consumption	Vehicle fuel	Total
Fiscal 2000	36,054	5,748	11,714	850	53,517
Fiscal 2001	35,120	4,116	9,361	850	48,598
Fiscal 2002	39,136	6,106	11,278	850	57,369
Fiscal 2003	54,286	10,654	2,543	2,290	69,772
Fiscal 2004	85,442	10,681	135	1,380	97,638
Fiscal 2005	106,420	9,201	616	1,551	117,788
Fiscal 2006	132,285	52,533	6	4,749	189,572
Fiscal 2007	153,677	28,265	7	1,308	183,256
Fiscal 2008	143,123	26,198	12	3,122	172,456
Fiscal 2009	150,707	25,414	5	2,949	179,075
Fiscal 2010	156,170	28,740	9	2,715	187,634
Fiscal 2011	177,934	28,407	2,320	2,583	211,245
Fiscal 2012	149,971	6,137	296	3,173	159,577
Fiscal 2013	162,398	8,901	791	3,134	175,224
Fiscal 2014	169,043	4,166	134	2,805	176,149
Fiscal 2015	172,899	4,348	46	3,080	180,373

^{*} Electricity consumption is calculated based on the CO2 conversion rate used in the countries in which Sony sites are located in fiscal 2000.

^{*} Figures for vehicle fuel in fiscal 2000 and 2001 are not available and have been substituted by figure in fiscal 2002.

Water (Unit: m³)

	Water consumption	Water discharge
Fiscal 2000		
Fiscal 2001	1,368,460	
Fiscal 2002	1,904,418	
Fiscal 2003	1,405,816	
Fiscal 2004	1,753,245	
Fiscal 2005	1,902,463	
Fiscal 2006	2,886,812	1,757,106
Fiscal 2007	2,020,718	1,817,192
Fiscal 2008	1,963,949	1,796,498
Fiscal 2009	1,285,793	1,104,676
Fiscal 2010	1,098,603	859,880
Fiscal 2011	2,002,182	1,599,657
Fiscal 2012	1,064,062	791,398
Fiscal 2013	1,119,475	785,972
Fiscal 2014	1,018,316	751,897
Fiscal 2015	1,047,163	768,036

^{*} Fiscal 2000 data is included in Pan Asia region's data.

Waste* (Unit: tons)

	Waste generated	Waste reused/recycled	Waste landfilled
Fiscal 2000			
Fiscal 2001	3,951	3,448	504
Fiscal 2002	4,137	3,257	880
Fiscal 2003	4,716	2,111	2,605

Fiscal 2004	7,015	3,019	3,996
Fiscal 2005	7,524	5,160	2,356
Fiscal 2006	7,847	6,844	1,003
Fiscal 2007	10,102	7,965	2,136
Fiscal 2008	10,159	6,896	3,262
Fiscal 2009	9,503	7,039	2,464
Fiscal 2010	9,031	8,530	501
Fiscal 2011	11,725	9,753	1,972
Fiscal 2012	9,629	8,558	1,071
Fiscal 2013	10,167	8,636	1,531
Fiscal 2014	11,428	10,304	1,123
Fiscal 2015	8,623	7,814	810

^{*} Fiscal 2000 data is included in Pan Asia region's data.

Chemical substances (Unit: tons)

	Class 1 substances used	Class 2 substances used	Class 3 substances used	Class 4 substances used	Total
Fiscal 2000					0
Fiscal 2001	0	42	37	1,234	1,313
Fiscal 2002	0	19	36	355	410
Fiscal 2003	0	38	27	409	473
Fiscal 2004	0	3	78	1,096	1,178
Fiscal 2005	0	0	154	1,542	1,696
Fiscal 2006	0	0	10	2,109	2,119
Fiscal 2007	0	0	613	2,633	3,246
Fiscal 2008	0	0	627	1,921	2,549

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^{* &}quot;Waste" includes valuables, substances to be treated by outsourcing, and non-industrial waste.

Fiscal 2009	0	0	1,390	1,710	3,099
Fiscal 2010	0	0	1,511	1,725	3,236
Fiscal 2011	0	113	1,540	2,151	3,803
Fiscal 2012	0.04	110	1,124	1,664	2,898
Fiscal 2013	0.08	151	1,596	2,132	3,879
Fiscal 2014	0.39	136	1,593	5,612	7,342
Fiscal 2015	0.11	129	1,807	5,425	7,361

- * Fiscal 2000 data is included in Pan Asia region's data.
- * Chemical substances used represents the volume handled less the volume recycled.
- * Classification of some substances has changed since fiscal 2011.
- * China region: Mainland China, Hong Kong

Environmental Data for Sites

Updated on September 7, 2016

Emissions of Air and Water Pollutant (Worldwide)

(Unit: Tons)

	NOx	SOx	BOD	COD
Fiscal 2002	457	156	140	420
Fiscal 2003	351	52	142	337
Fiscal 2004	288	64	135	311
Fiscal 2005	274	59	142	158
Fiscal 2006	167	48	280	279
Fiscal 2007	182	35	205	113
Fiscal 2008	176	8	133	73
Fiscal 2009	174	11	141	39
Fiscal 2010	187	9	254	96
Fiscal 2011	163	9	252	62
Fiscal 2012	110	8	214	20
Fiscal 2013	132	10	210	15
Fiscal 2014	109	12	203	18
Fiscal 2015	133	8	288	12

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Handling Volume of Chemical Substances

(Unit: tons) (Unit: tons) (Unit: tons) (Unit: tons) (Unit: tons) (Unit: tons)

	Class 1 substances	Class 2 substances	Class 3 substances	Total handling volume	Handling volume divided by consolidated sales (Volume Intensity)
Fiscal 2006	2.25	0	17,672	17,674	0.0021
Fiscal 2007	1.91	0	35,077	35,079	0.0040
Fiscal 2008	2.12	0	18,179	18,181	0.0024
Fiscal 2009	1.41	0	16,236	16,238	0.0023
Fiscal 2010	5.25	0	15,914	15,920	0.0022
Fiscal 2011	0.83	1,023	28,738	29,762	0.0046
Fiscal 2012	1.31	934	21,477	22,413	0.0033
Fiscal 2013	1.52	985	21,327	22,314	0.0029
Fiscal 2014	1.21	1,048	22,560	23,609	0.0029
Fiscal 2015	0.78	1,161	22,688	23,850	0.0029

^{*} Classification of some substances has changed since fiscal 2011.

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Environmental Data for Products

Greenhouse Gas Emissions from Product Use (Unit: t-CO2)

	Television	Video	Audio	IT	Professional use	Game	Total
Fiscal 2000	12,067,418	407,618	1,964,006	67,893	1,008,853	256,561	15,772,350
Fiscal 2001	10,818,776	280,299	2,461,309	132,360	871,437	529,577	15,093,758
Fiscal 2002	11,961,737	197,346	1,365,062	143,076	538,146	1,095,122	15,300,489
Fiscal 2003	11,738,773	228,719	2,055,160	207,479	432,057	447,826	15,110,014
Fiscal 2004	12,908,566	527,432	2,043,388	161,243	511,678	331,595	16,483,902
Fiscal 2005	12,393,225	322,432	1,586,781	109,593	616,053	295,299	15,323,383
Fiscal 2006	13,599,236	372,547	1,609,150	73,821	1,369,409	810,242	17,834,405
Fiscal 2007	14,978,341	341,573	1,689,645	90,784	1,135,557	1,105,117	19,341,017
Fiscal 2008	18,098,177	269,676	1,531,332	89,710	1,242,233	813,700	22,044,828
Fiscal 2009	16,156,097	242,823	1,185,915	92,017	1,242,459	782,127	19,701,438
Fiscal 2010	21,421,269	809,914	1,720,336	164,365	1,000,725	3,063,777	28,180,386
Fiscal 2011	17,067,704	745,164	1,422,973	104,891	1,274,451	2,351,648	22,966,831
Fiscal 2012	10,794,851	493,583	1,254,898	82,966	964,387	2,166,091	15,756,776
Fiscal 2013	9,418,343	434,038	884,063	51,772	615,255	2,730,839	14,134,310
Fiscal 2014	9,396,018	350,493	687,578	-	652,497	3,559,259	14,645,845
Fiscal 2015	9,580,042	281,139	549,855	-	723,618	2,637,183	13,771,836

Rationale

Production volume \times (Operating power consumption \times Estimated hours of operation per year + Standby power consumption \times Estimated standby time per year) \times Years used \times CO₂ conversion rate

Total Volume of Resources Used in Products (total products shipped)* (Unit: tons)

	Television	Video	Audio	IT	Professional use	Devices/ Others	Game	Music	Total
Fiscal 2000	735,844	59,731	444,736	40,874	9,815	185,804	27,614	134,688	1,639,105
Fiscal 2001	638,865	64,135	378,147	57,007	6,825	174,675	51,016	134,112	1,504,783
Fiscal 2002	629,294	105,203	259,564	44,127	5,628	204,956	57,784	150,144	1,456,701
Fiscal 2003	575,353	137,931	280,320	40,636	6,121	208,271	39,990	156,480	1,445,103
Fiscal 2004	611,575	96,428	287,155	32,300	9,915	206,549	18,630	170,430	1,432,982
Fiscal 2005	469,549	81,746	251,249	34,278	9,280	222,058	17,196	168,258	1,253,614
Fiscal 2006	432,164	80,537	250,927	26,194	13,526	184,202	65,256	179,510	1,232,316
Fiscal 2007	421,231	81,721	261,180	36,343	15,883	163,821	95,713	190,585	1,266,477
Fiscal 2008	450,545	83,481	235,509	41,290	15,291	150,097	85,038	178,501	1,239,752
Fiscal 2009	401,334	79,621	186,951	49,840	13,679	165,899	74,406	195,629	1,167,359
Fiscal 2010	443,085	73,834	193,716	59,348	14,855	130,739	75,936	200,740	1,192,253
Fiscal 2011	335,685	61,407	176,900	37,126	10,707	69,614	68,411	185,147	944,997
Fiscal 2012	222,532	44,674	175,548	29,707	10,889	61,791	55,053	162,191	762,385
Fiscal 2013	196,920	34,832	140,554	19,799	10,754	58,371	62,010	144,843	668,083
Fiscal 2014	225,958	28,654	107,648	10,184	11,650	58,911	80,250	130,090	653,345
Fiscal 2015	208,813	21,945	82,834	12,837	11,086	64,139	78,982	125,020	605,656

^{*} Total weight of resources used in products, accessories, instruction manuals and packaging. The weight of total products shipped is substituted for this value.

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Product Recycling Data

Weight of End-of-Life Products Collected

(Unit:ton)

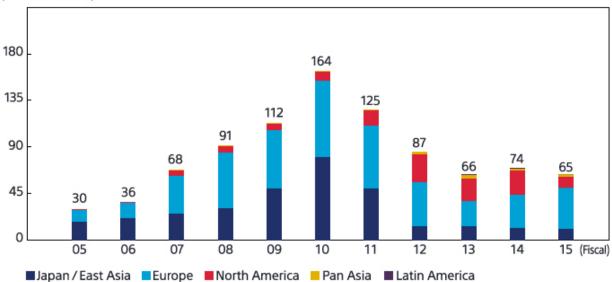
	Japan/East Asia	Europe	North America	Pan Asia	Latin America	Total
Fiscal 2000	0	0	253	0	0	253
Fiscal 2001	8,851	0	46	0	0	8,898
Fiscal 2002	12,026	0	117	0	0	12,143
Fiscal 2003	12,931	0	126	0	0	13,057
Fiscal 2004	15,407	0	73	0	0	15,480
Fiscal 2005	17,906	12,087	53	0	0	30,046
Fiscal 2006	21,574	14,726	55	0	0	36,355
Fiscal 2007	26,282	36,090	5,761	0	0	68,133
Fiscal 2008	31,619	52,980	6,589	0	0	91,188
Fiscal 2009	50,766	56,300	5,221	0	0	112,287
Fiscal 2010	80,000	74,000	9,572	0	0	163,572
Fiscal 2011	50,560	61,215	13,620	0	0	125,396
Fiscal 2012	13,878	45,425	26,684	1,269	0.018	87,256
Fiscal 2013	12,124	31,040	20,338	2,190	308	65,999
Fiscal 2014	11,464	36,445	23,920	1,375	315	73,519
Fiscal 2015	10,981	40,261	10,754	2,354	357	64,951

^{*} The figure for fiscal 2015 includes data calculated as of the date of release of this CSR Report (August 2016).



Weight of End-of-Life Products Collected

(Thousand tons)



^{*} The figure for fiscal 2015 includes data calculated as of the date of release of this CSR Report (August 2016).

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Examples of Polyvinyl chloride (PVC)-free Products and Brominated Flame Retardant (BFR)-free Products

Examples of PVC-free Products and BFR-free Products: Model Name (As of July 2016)

	Polyvinyl chloride(PVC)	Brominated Flame Retardant(BFR)
Product Category	Examples of PVC-free Products Model Name (*1)	Examples of BFR-free Products Model Name (*2)
Xperia™ Smartphone	All models	All models
Xperia™ Tablet	All models	All models
	NW-A25 / A25HN / A26HN / A27HN	NW-A25 / A25HN / A26HN / A27HN
	NW-S13 / S14 / S13K / S14K	NW-S13 / S14 / S13K / S14K
		NW-ZX100 / ZX100HN
		NW-ZX2
MP3 players	NW-E393	NW-E393
WALKMAN®	NWZ-B183F	NWZ-B183F
	NWZ-A15 / A17	NWZ-A15 / A17
	NWZ-E584 / E585	NWZ-E584 / E585
		NWZ-WS613 / WS615
		NWZ-ZX1
		NW-WS413

	ICD-UX533 / UX533FA / UX543F / UX544F / UX565F / UX560F / UX560	ICD-UX533 / UX533FA / UX543F / UX544F / UX565F / UX560F / UX560
	ICD-SX1000 / SX2000	ICD-SX1000 / SX2000
	ICD-TX650	ICD-TX650
IC recorder	ICD-FX88	ICD-FX88
	ICD-PX333 / PX333D / PX333M	ICD-PX333 / PX333D / PX333M
	ICD-PX440	ICD-PX440
	ICD-PX240	ICD-PX240
	ICD-BX122	ICD-BX122
	ICD-BX140	ICD-BX140
Memory Card Recorder		ICD-LX31
Portable Radio	ICZ-R100	ICZ-R100
Recorder		ICZ-R250TV
Linear PCM Recorder		PCM-D100
	NEX-VG30	NEX-VG30
	NEX-VG30H	NEX-VG30H
	NEX-VG30EM	NEX-VG30EM
	NEX-VG900	NEX-VG900
	FDR-AX1	FDR-AX1
Video Camera	HDR-CX240	HDR-CX240
Handycam [®]	HDR-PJ810	HDR-PJ810
	FDR-AX100	FDR-AX100
	HDR-CX900	HDR-CX900
	HDR-CX405	HDR-CX405
	HDR-CX440	HDR-CX440
	HDR-PJ410	HDR-PJ410

	HDR-PJ440	HDR-PJ440
	HDR-CX480	HDR-CX480
	HDR-CX620	HDR-CX620
	HDR-CX670	HDR-CX670
	HDR-PJ620	HDR-PJ620
	HDR-PJ670	HDR-PJ670
	FDR-AX33	FDR-AX33
	FDR-AXP33	FDR-AXP33
	FDR-AX30	FDR-AX30
	FDR-AXP35	FDR-AXP35
	HDR-CX450	HDR-CX450
	HDR-CX455	HDR-CX455
	HDR-CX485	HDR-CX485
	HDR-CX625	HDR-CX625
	HDR-CX675	HDR-CX675
	HDR-PJ675	HDR-PJ675
	FDR-AX40	FDR-AX40
	FDR-AX53	FDR-AX53
	FDR-AX55	FDR-AX55
	FDR-AXP55	FDR-AXP55
	HDR-MV1	HDR-MV1
	HDR-AS30V	HDR-AS30V
	HDR-AZ1	HDR-AZ1
Video Camera Action	HDR-AZ1VR	HDR-AZ1VR
Cam	HDR-AZ1VW	HDR-AZ1VW
	HDR-AZ1VB	HDR-AZ1VB
	HDR-AS20	HDR-AS20
	HDR-AS200V	HDR-AS200V

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	HDR-AS200VR	HDR-AS200VR
	HDR-AS200VT	HDR-AS200VT
	HDR-AS200VB	HDR-AS200VB
	FDR-X1000V	FDR-X1000V
	FDR-X1000VR	FDR-X1000VR
	HDR-AS50	HDR-AS50
	HDR-AS50R	HDR-AS50R
	DSC-HX300	DSC-HX300
	DSC-HX400	DSC-HX400
	DSC-HX60	DSC-HX60
	DSC-HX60V	DSC-HX60V
	DSC-HX90	DSC-HX90
	DSC-HX90V	DSC-HX90V
		DSC-RX1
		DSC-RX1R
		DSC-RX1RM2
		DSC-RX10
Digital Still Camera Cyber-shot™		DSC-RX10M2
Cyber-snot		DSC-RX10M3
	DSC-RX100	DSC-RX100
	DSC-RX100M2	DSC-RX100M2
	DSC-RX100M3	DSC-RX100M3
	DSC-RX100M4	DSC-RX100M4
	DSC-TX30	DSC-TX30
	DSC-W800	DSC-W800
	DSC-W810	DSC-W810
	DSC-W830	DSC-W830
	DSC-WX220	DSC-WX220
	D3C 11/1220	550 11/1220



	DSC-WX350	DSC-WX350
	DSC-WX500	DSC-WX500
	DSC-H300	DSC-H300
	DSC-H400	DSC-H400
		SLT-A99
	SLT-A58	SLT-A58
	ILCA-68	ILCA-68
	ILCA-77M2	ILCA-77M2
		ILCE-6000
		ILCE-6300
Interchangeable lens	ILCE-5000	ILCE-5000
digital camara α™	ILCE-5100	ILCE-5100
		ILCE-7
		ILCE-7M2
		ILCE-7R
		ILCE-7RM2
		ILCE-7S
		ILCE-7SM2
Dlay Chatian® Vita	PCH-1100 series	PCH-1100 series
PlayStation®Vita	PCH-2000 series	PCH-2000 series
Davida la DVD Dlavia	DVP-FX780	DVP-FX780
Portable DVD Player	DVP-FX980	DVP-FX980
Portable Blu-ray	BDP-SX910	BDP-SX910
Disc™ / DVD Player	BDP-Z1	BDP-Z1
	MS-HX32B / HX16B / HX8B	MS-HX32B / HX16B / HX8B
Memory Stick™	MS-MT16G / MT8G / MT4G	MS-MT16G / MT8G / MT4G
	MS-M4	MS-M4



SBP-256D / 128D / 64D SBS-128G1B / 64G1B / 32G1B *1 Parts in which PVC is eliminated are as below (excluding accessories): Xperia™ Smartphones: in all plastic components. Products other than Xperia™ Smartphones: in casings and internal wiring. SBS-128G1B / 64G1B / 32G1B *2 Parts in which BFRs are eliminated are as below (excluding accessories): Xperia™ Smartphones: in PWBs, casings and cables. Products other than Xperia™ Smartphones: in casings and main PWBs.			
32G1B *1 Parts in which PVC is eliminated are as below (excluding accessories): Xperia™ Smartphones: in all plastic components. Products other than Xperia™ Smartphones: in casings and internal *2 Parts in which BFRs are eliminated are as below (excluding accessories): Xperia™ Smartphones: in PWBs, casings and cables. Products other than Xperia™ Smartphones: in casings and internal *2 Parts in which BFRs are eliminated are as below (excluding accessories): Xperia™ Smartphones: in PWBs, casings and Xperia™ Smartphones: in casings and main		SBP-256D / 128D / 64D	SBP-256D / 128D / 64D
eliminated are as below (excluding accessories): Xperia™ Smartphones: in all plastic components. Products other than Xperia™ Smartphones: in casings and internal eliminated are as below (excluding accessories): Xperia™ Smartphones: in PWBs, casings and cables. Products other than Xperia™ Smartphones: in casings and main	SxS™ memory card		
		eliminated are as below (excluding accessories): Xperia™ Smartphones: in all plastic components. Products other than Xperia™ Smartphones: in casings and internal	eliminated are as below (excluding accessories): Xperia™ Smartphones: in PWBs, casings and cables. Products other than Xperia™ Smartphones: in casings and main

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Updated on September 7, 2016

Environmental Cost

Environmental Cost*1

	Cost for Environmental Activities at Sites	Cost for Environmental Technology Development*2
Fiscal 2010	1.1 billion yen	32.6 billion yen
Fiscal 2011	0.9 billion yen	32.1 billion yen
Fiscal 2012	0.2 billion yen	21.9 billion yen
Fiscal 2013	0.2 billion yen	19.9 billion yen
Fiscal 2014	0.3 billion yen	23.1 billion yen
Fiscal 2015	0.4 billion yen	20.9 billion yen

^{*1} Total cost of Sony Corporation and its subsidiaries related to electronics businesses.

^{*2} Environmental technology development costs incurred at Sony Group companies (including Sony Corporation) and corporate research labs.

Updated on September 7, 2016

Independent Verification Report

Purpose and Scope of Verification

Sony has obtained third-party verification since fiscal 2001 to ensure the credibility of data reported and facilitate the ongoing improvement of its environmental management. Since fiscal 2003, Sony has sought independent verification from the Bureau Veritas (BV) Group, the external auditing organization for the Sony Group's global environmental management system. In fiscal 2015, Sony asked the BV Group to undertake independent verification of the reliability of data collection and reporting processes, as well as the accuracy and the appropriateness of conclusions drawn from such data, at production sites, non-manufacturing sites, design sites and Sony's headquarters. Furthermore, amount of greenhouse gas emissions is verified in accordance with ISO14064-3 since fiscal 2011.

Independent Verification Report

Click to enlarge (PDF)

CSR Report 2016 Independent Verification Report



To: Sony Corporation



Bureau Veritas Japan Co., Ltd. (Bureau Veritas) has been engaged by Sony Corporation (Sony) to conduct independent verification of its environmental performance data selected for inclusion in the CSR Report 2016, issued under the responsibility of Sony. The aim of this verification is to consider the reliability and accuracy of environmental performance data detailed in the Report and to provide a verification opinion based on objective evidence.

Bureau Veritas conducted the following verification of environmental performance data for FY2015 (April 1, 2015 through March 31, 2016) based on agreement with Sony.

Scope of Verification	Sites Visited	Verification Methodology
The following environmental performance data through business operations of all ISO 14001-certified sites as of March 31, 2016 in Sony Group - Energy consumption (including fuel for motor vehicles) - CO ₂ emissions from energy consumption - Emissions of PFCs and other greenhouse gases - Water consumption and discharge - Water pollutant (BOD/COD) emissions	Sony's headquarters Sony Semiconductor Manufacturing Corporation Yamagata Technology Center Bureau Veritas also assessed the reliability of environmental performance data management across other sites and business sections by testing the implementation and effectiveness of the Sony Global Environmental Management System (GEMS).	Review of documentary evidence produced by Sony's headquarters and the sites visited Interviews with relevant personnel of Sony's headquarters and the sites visited Site inspection and review of data monitoring procedures Comparison between the reported data and supporting documentary evidence
Categories 4, 6 and 11 of Scope 3 GHG emissions accounted and reported in fine with the GHG Protocol's "Corporate Value Chain (Scope 3) Accounting and Reporting Standard" within the boundaries defined by Sory for each category	Sony's headquarters Sony Visual Products Inc.	Review of documentary evidence produced by Sony's headquarters Interviews with relevant personnel of Sony's headquarters Comparison between the reported data and supporting documentary evidence

This verification was conducted using Bureau Veritas' standard procedures and guidelines for external verification of non-financial reporting, based on current best practice. Bureau Veritas refers to the International Standard on Assurance Engagements (ISAE) 3000 in providing a limited assurance for the scope of work stated herein.

2. Findings

- On the bases of our methodology and the activities described above:

 Nothing has come to our attention to indicate that the reviewed information within the scope of our verification is inaccurate and does not provide a fair representation of the performance for the defined
 - period.

 It is our opinion that Sony has established appropriate systems for the collection, aggregation and analysis of quantitative data within the scope of our verification.

Bureau Veritas has implemented a code of ethics across its business which is intended to ensure that all our staff maintain high standards in their day to day business activities. We are particularly vigitant in the prevention of conflicts of interest. Bureau Veritas activities for Sony are for sustainability reporting verification only and we believe our verification assignment did not raise any conflicts of interest.

Greenhouse Gas Emissions Verification Statement

Click to enlarge (PDF)

GREENHOUSE GAS EMISSIONS VERIFICATION STATEMENT

To: Sony Corporation



July 29, 2016

Bureau Verilas Japan Co., Ltd. System Certification Services

Bureau Veritas Japan Co., Ltd. (Bureau Veritas) was engaged by the Sony Corporation (Sony) to coopur. verification of the greenhouse gas (GHG) emissions reported by Sony in its CSR Reporting for the period of April 1, 2015 through March 31, 2016

1. Scope of Verification

Sony requested Bureau Veritas to verify the accuracy of the following GHG information, to a limited level of assurance: Scope 1 and Scope 2 GHG emissions:

 GHG emissions through business operations of all ISO 14001-certified sites as of March 31, 2016 in Sony

Group

2) Categories 4, 6 and 11 of Scope 3 GHG emissions accounted and reported in line with the GHG Protocol's 'Corporate Value Chain (Scope 3) Accounting and Reporting Standard' within the boundaries defined by Sony for

·Category 4: CO₂ emissions from logistics (*1)

-Category 6: CO_2 emissions from employee business trips (*2) -Category 11: CO_2 emissions from the electricity consumption during product use

(*1) Total CO2 emissions from logistics include emissions arising from transportation of electronics products handled by the Sony Group over 40 countries around the world including Japan, the United States, Europe, and Asia. GHG emissions from logistics within Japan also include those from components transportation.

(*2) Emissions are calculated for business trips undertaken by employees from central departments, which account for the largest share of business trips taken by employees of the Sony Corporation and Sony Group Electronics Business companies in Japan, Europe, North America and China and for business trips taken by employees from some electronics-related companies in Pan Asia, (in the case of Japan and North America, trips taken by employees from some music-related companies are included. Trips taken by employees from Sony Mobile Communications Inc. are excluded.

2. Methodology

Bureau Veritas conducted the verification in accordance with the requirements of the international standard 'ISO 14084-3(2006): Greenhouse gases - Part 3: Specification with guidance for the validation and verification of greenhouse

As part of Bureau Veritas' assurance, the following activities were undertaken:

Interviews with relevant personnel of Sony responsible for the identification and calculation of GHG emissions;
- Review of Sony's information systems and methodology for collection, aggregation, analysis and review of

information used to determine GHG emissions; and

Audit of a sample of source data to check accuracy of quantified GHG emission

3. Conclusion

Based on the verification work and processes followed, there is no evidence to suggest that the GHG emissions assertions shown below:

are not materially correct and are not a fair representation of the GHG emissions, as per the scope of work -are not prepared in accordance with the methodology for calculating GHG emissions established and implemented by

Verified greenhouse gas emissions		
Scope 1	Scope 2 (market-based)	Scope 3
324 kt-CO ₂ e	991 kt-CO ₂ e	14,115 kt-CO ₂ e

The breakdown of Scope 3 emissions are as follows

·Category 4: 258 kt-CO2e Category 6: 86 kt-CO₂e ·Category 11: 13,772 kt-CO2e

[Statement of Independence, Impartiality and competence]
Burbau Veritas is an independence, Impartiality and competence
Burbau Veritas is an independent prefessional services company that specializes in Quality, Health, Safety, Social and Environmental
management with over 180 years history in providing independent assurance services. No member of the verification team has a
business relationship with Sony, its Directors or Managers beyond that required of this assignment. We conducted this verification
independently and to our knowledge there has been no conflict of interest. Bureau Veritas has implemented a Code of Elhios across the
business to maintain high ethical standards among staff in their day-to-day business activities. The verification team has extensive
experience in conducting assurance over environmental, social, ethical and health and safely information, systems and processes, has
an excellent understanding of Bureau Veritas standard methodology for the verification of greenhouse gas emissions data.

Updated on September 7, 2016

History of Environmental Activities at Sony

1970-		
1976	April	Establishes Environmental Conference, chaired by the President
	April	Promotes prevention of hazardous materials use and occupational health and safety in Sony Group operations in Japan
	May	Establishes Environmental Science Center
	May	Hazardous waste materials and working environments of Group operations in Japan are evaluated
1980-		
1985	April	Sony Corporation of America begins environmental audits
1989	March	Convenes special committee to study measures to eliminate CFC use

1990-

1990	August October	President's Policy on the Environment is disseminated among Sony Corporation staff Organizes Sony Environmental Conservation Committee
1991	October November	Formulates policy for product assessment Signs business charter for sustainable development of the international chamber of commerce
1993	January March	Inaugurates Environmental Fund System, a program supporting development of environmental protection technologies Sony Global Environmental Policy and Environmental Action Program is formulated
	April	Use of fluorocarbons for cleaning is completely phased out from the Sony Group's production processes worldwide
1994	February April	Launches Sony Environmental Award program Establishes Corporate Environmental Affairs Department Establishes Center for Environmental Technologies (CET) at the Sony Research Center (operated until 1999)
	May	Launches Greenplus Project to promote environmental consideration with respect to products
	July	Guidelines for acquiring ISO environmental certification are established and introduced

1995	May	Sony Kohda Corporation becomes the first Sony company in Japan to acquire ISO 14001 certification
1996	July	Sony Deutschland's Service Division becomes the first non-manufacturing site in the Sony Group to acquire ISO 14001 certification
	October	Revises Sony Environmental Action Program and formulates Green Management 2000
1997	October	Initiates operations at Recycle Research Center in Ichinomiya (ongoing until 2005)
	December	Four sites in Singapore become the first non-manufacturing sites in Asia to acquire ISO 14001 certification
1998	September	Establishes environmental R&D laboratory in the Environmental Center Europe, Germany
	November	Establishes the Green Management 2002 Sony Mid-Term Environmental Action Program
1999	February	Completes the process of acquiring ISO 14001 certification at all 38 manufacturing sites in Japan
2000-		
2000	April	Incorporates environmental factors into Network Companies' evaluations
	April	Formulates Guideline for the Environmental Risk Management
	October	Establishes the Sony Environmental Vision
		458

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2001	March	Revises Sony Mid-Term Environmental Action Program; Formulates Green Management 2005
	April	Japan's Home Appliance Recycling Law becomes effective and the 14-plant recycling network of Green Cycle Corporation, where Sony is the principal shareholder, begins processing four types of appliances.
	April	Environmental evaluation standards are extended from Electronics to Game, Music and Pictures businesses
	September	Begins using the Green Power Certification System
	October	PS one game console shipments temporarily halted in the Netherlands due to containing cadmium above the legal limit
2002	March	Formulates Sony Technical Standards, SS-00259 "Management Regulations for the Environment-related Substances to be Controlled which are included in Parts and Materials"
	April	Completes ISO 14001 certification process at all manufacturing sites worldwide
	June	Initiates "Sony Group Environmental Month"
	July	Introduces Green Partner Environmental Quality Approval Program
2003	July	Revises Sony Mid-Term Environmental Targets (Green Management 2005)
	November	Revises Sony Environmental Vision and renames it "Sony Group Environmental Vision"

March	Finishes putting in place the globally integrated environmental management system it commenced in fiscal 2004
April	Establishes Green Management 2010
July	Begins participation in World Wide Fund for Nature (WWF)'s Climate Savers Programme
November	Use of renewable energy at Sony DADC Austria's Anif Plant reaches 100%
April	Launches a scheme to support forest conservation efforts in Noshiro, Akita prefecture using a Green Power Certification system purchase contract
June	Announces the energy-saving KDL-32JE1 LCD television
September	Commences pilot program to collect small e- waste in the city of Kita-Kyushu
January	Announces new V5/VE5/WE5 series of BRAVIA™ LCD televisions with energy-saving features, including a "Presence Sensor" and "Energy Saving Switch," that facilitate a substantial reduction in energy consumption
June	Releases mercury-free alkaline button battery (LR)
July	Achieves use of 100% renewable energy at European sites; percentage of total energy used by Tokyo headquarters building accounted for by renewable energy reaches 50%
	April July November April June September January June

October Sony Chemical & Information Device Corporation's

Kanuma Plant wins Minister of Economy, Trade and Industry Award for "Resource Recycling Techniques

and Systems"

November Announces at presentation to the media that it has

positioned "the environment" as one of four key

strategic priorities

2010-

2010 Fe	bruary	Announces VA	IO W series o	f "eco body model"
----------------	--------	--------------	---------------	--------------------

PCs with features that evoke Sony's

commitment to environmental conservation, including components that are 80% made with recycled plastic and carrying case made from

100% recycled PET materials

April Announces new "Road to Zero" global

environmental plan, revises Sony Group Environmental Vision and formulates "Green

Management 2015," a new set of mid-term environmental targets for the Sony Group

October Presentation on groundwater recharge for idle

rice paddies (project undertaken by Sony

Semiconductor Kyushu Corporation's Kumamoto Technology Center) given at COP10 Biodiversity

Conference

2011 February Develops SORPLAS™, plastic made 99% from

recycled materials, for use in the bezel (screen

rim) components of BRAVIA™LCD televisions

	March	Sony Forest, maintained by Sony EMCS Corporation's Kohda Site, earns Superlative Stage (top rank) certification under the Social and Environmental Green Evaluation System (SEGES) in Japan
	April	Launches 1.2 kWh-capacity energy storage modules containing rechargeable lithium-ion batteries made with olivine-type lithium-ion iron phosphate
	June	Begins implementation of "Green Star Program" which assesses the environmental performance at each site
2012	February	Developed "authentication outlets" that let a user proactively manage his/her use of electric power
	September	Xperia™ P smartphone receives European Green Smart Phone award from the European Imaging and Sound Association
	December	The DSC-HX30/20 series of Cyber-shot™ digital still cameras and BDV-N790W Blu-ray Home Theater System are honorees in the Eco-Design and Sustainable Technologies category at the CES Innovation Awards 2013
2013	March	Sony Electronics Asia Pacific Pte Ltd. presented with the 2013 Green Luminary award by Channel NewsAsia, which praised Sony's medium- to long-term commitment to sustainability under the Road to Zero initiative, innovative environmentally conscious materials such as SORPLAS™ and local CSR activities involving both employees and the community

March Sony Semiconductor Corporation's Oita

Technology Center earns top-rank Superlative Status certification under Japan's Social and Environmental Green Evaluation System (SEGES)

November Sony Service and Operations of Americas

receives Mexico's Index National Environmental Award 2013 for its environmental activities and

performance

2014 January Sony EMCS Malaysia KL Tec's environmental

management system and activities to reduce environmental footprint receive two Prime Minister's Hibiscus Awards from the Malaysian Ministry of Natural Resources and Environment

(MNRE)

February The television advertisement "Water Rock"-

showcasing one of Sony's environmental initiatives-receives the Grand Prix award at the 17th Environmental Communication Awards in

Japan in the environmental television

advertisement category

October Sony EMCS Malaysia KL Tec selected as 2nd

runner up for the 2014 ASEAN Energy Awards in

the Large Industry Category of the Energy Management in Building Industry for its Sustainable Energy Management Program

December Sony Electronics Inc. receives the Sustainable

Materials Management from the United States

Environmental Protection Agency for its

initiatives for recycling waste from electronic

goods

2015	May	Establishes Green Management 2020 environmental mid-term targets
	October	Sony EMCS Kohda Site receives 3 rd Green Society Award for environmental activities such as corporate greening and biodiversity protection
	October	Sony EMCS (Malaysia) KL Tec wins ASEAN Energy Award for second consecutive year
2016	March	Recognized for exemplary long-term goals in the Low-Carbon Cup 2016, an event supported by the Ministry of the Environment, the Ministry of Education, Culture, Sports, Science and Technology, and other Japanese organizations

Note:Organization names appear as they were at the respective dates; some may not be current.

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Management Approach

Materiality Rationale

In Sony's Founding Prospectus, co-founder Masaru Ibuka set "contributing to Japanese culture through technology" and "the promotion of education in science among the general public" as primary goals. Sony has focused on science education for children, who will shape the next generation. In keeping with Ibuka's vision, Sony continues to implement activities designed to contribute to society.

Basic Approach

Following the course set by Sony co-founder Masaru Ibuka, activities are adapted to meet current and local needs in helping to solve the various issues facing regions where Sony operates around the world. Putting its "For the Next Generation" CSR philosophy into action, Sony makes the most of its unique technological and service assets in the areas in which it is particularly strong. Sony cooperates with international organizations, NGOs, and government agencies in four key areas: science education, environmental conservation, international cooperation, and emergency relief in response to disasters.

Structure

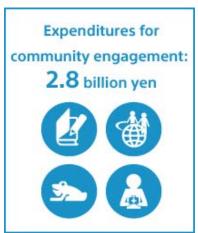
In addition to Sony's global program, which is spearheaded by its headquarters in Tokyo, Sony Group companies worldwide and the Group's five foundations cooperate with stakeholders to promote initiatives tailored to local needs. Sony encourages employees to play an active role in these types of activities, as well.

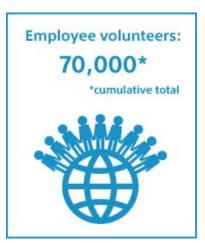
Main Achievements in Fiscal 2015

Here are the main results of fiscal 2015 initiatives:

- Expenditures for community engagement initiatives were 2.8 billion yen.
- A total of 70,000 employees participated in volunteer initiatives.
- Sony Science Program workshops were conducted in Japan and around the world.
- EYE SEE UNICEF Child Photography Workshops were held in the Netherlands and Mexico.
- Sony collected donations from Group employees in Japan and around the world for humanitarian aid and aid for major disasters such as the Nepal earthquake in April 2015.







Looking to the Future

Sony will continue to make the most of its products, technologies, services, innovations, and the capabilities of Sony Group employees to address various social needs, including the 17 Sustainable Development Goals (SDGs) adopted by world leaders at the United Nations.

Activity Reports

Vision of Sony's Founder

Community Engagement Policy, Main Scope and Structure

Expenditures for Community Engagement Initiatives

Volunteer Systems for Employees

Contributing to the International Community through Business Activities

Sony Museums and Foundations

Community Engagement

Updated on September 7, 2016

Vision of Sony's Founder

In Sony's Founding Prospectus, co-founder Masaru Ibuka set "the promotion of education in science among the general public" as a primary goal. He was convinced that enhancing scientific literacy would be critical for the recovery of post-war Japan and that science education for children was the key. In 1959, 13 years after Sony's establishment, he set up the Sony Fund for the Promotion of Science Education to support elementary schools in the pursuit of science education excellence.



Masaru Ibuka



Research
presentation by
schools assisted
under the Sony
Fund for the
Promotion of
Science Education

Community Engagement

Updated on September 7, 2016

Community Engagement Policy, Main Scope and Structure

Following the course set by its co-founder Masaru Ibuka, Sony has established a Community Engagement Policy based on its "For the Next

For the Next Generation

Generation" CSR philosophy. Accordingly, Sony creates and implements community-based initiatives designed to help solve global issues in key areas. These areas include education for children, which Sony has supported for years; contribution to achievement of the United Nations Sustainable Development Goals (SDGs) through environmental conservation and international cooperation; and emergency relief in response to disaster situation. In pursuing these initiatives under the policy, Sony capitalizes on its partnerships with stakeholders and draws on the expertise of its group employees while making the most of its products, services, technologies, and innovations.

As a means of informing as many people as possible about these issues, Sony also undertakes educational campaigns linked to its marketing initiatives and incorporates its CSR goals into its internal human resource development. Hence, Sony not only seeks to contribute to the resolution of social and environmental issues but also to integrate community engagement into its business operations as a way of enhancing those operations.

Sony's Community Engagement

Create Value for Society

 Contribute to the realization of a sustainable society

Contribute to Sony's Business Activities

- · Increase brand value
- · Link initiatives with marketing
- · Foster human resources

Multi-Stakeholders

Expectations

Main Scope



Education for Children



International Cooperation



Environmental conservation



Emergency relief

Contribute to the Resolution of Issues

Resources



Technology, Products, Services and Content



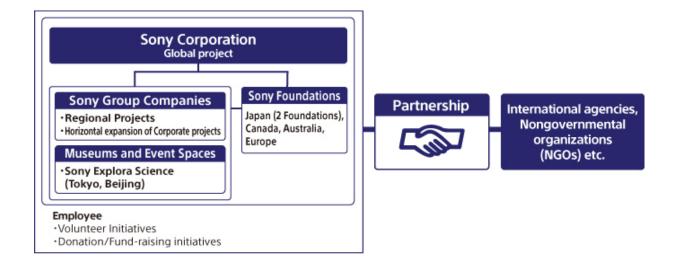
Employees



Partnerships

Framework for Community Engagement

In addition to Sony's global program, which is spearheaded by its headquarters in Tokyo, Sony Group companies worldwide as well as five foundations promote initiatives tailored to local needs in accordance with the Sony Group's community engagement policy, cooperating with various international organizations including NGOs. Additionally, employees are encouraged to play an active role in their communities through participation in, for example, volunteer and fundraising programs.



Community Engagement

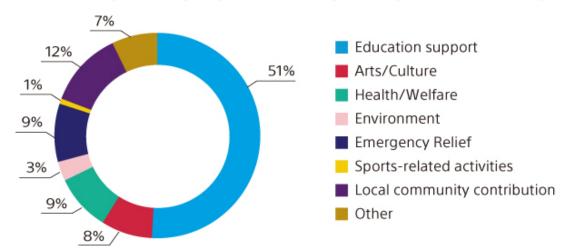
Updated on September 7, 2016

Expenditures for Community Engagement Initiatives

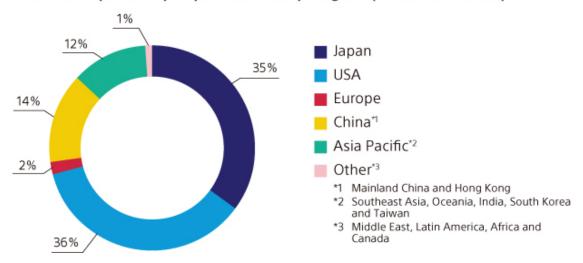
In fiscal 2015, the Sony Group spent approximately 2.8 billion yen* on community engagement initiatives. These initiatives focused on education, particularly education for children.

* Cumulative figure. In addition to donations, sponsorships and independent program expenses (including facility operation expenses), this amount includes the market prices of products donated.

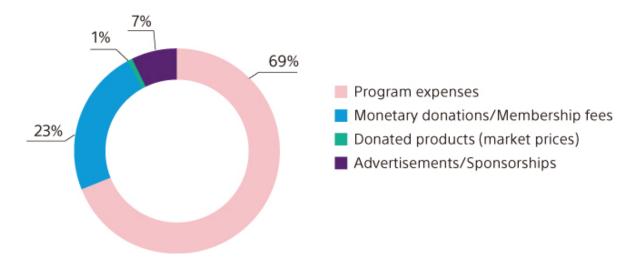
Community Activity Expenditures by Field (Fiscal Year 2015)



Community Activity Expenditures by Region (Fiscal Year 2015)



Community Activity Expenditures by Category (Fiscal Year 2015)



Community Engagement

Updated on September 7, 2016

Volunteer Systems for Employees

Employee volunteer promotion program: "SOMEONE NEEDS YOU"

Sony has a global in-house volunteer program known as "SOMEONE NEEDS YOU" (the name developed using the letters S, O, N and Y), the aim of which is to encourage employee involvement in efforts to help local communities. Under this program, Sony Group companies create volunteer programs tailored to local needs and encourage continued employee participation in the community. In fiscal 2015, a total of 70,000 Sony Group employees* participated in volunteer initiatives.

* Cumulative participants in fundraising initiatives, blood drives and other activities.

Leave for volunteer purposes

To support employee participation in volunteer activity initiatives, Sony Corporation has an employee volunteer support system, making it easier for employees to participate in volunteer activities by allowing them to use accumulated holidays for initiatives requiring extended leaves of absence.

Charitable donation systems for employees

Sony has put several systems in place for encouraging employees to donate money for emergency relief and other worthy causes, including matching gift programs. Employees can donate money by bank transfer or by using electronic money with Sony's Felica™ contactless IC card system.

Related information:

Activities to promote employee participation

Community Engagement

Updated on September 7, 2016

Contributing to the International Community through Business Activities

Guided by its founders' spirit of innovation, which emphasizes the provision of creative technologies, products and services, Sony promotes contributions to the international community through its business activities.

Solutions That Make Good Use of Products and Services

Sony's SmartEyeglass and 4K Ultra Short Throw Projector—Playing a Big Role in the "AR HOPE TOUR in Sendai/Tagajo," a Project to Convey the Devastation Caused by the Great East Japan Earthquake

In March 2011, the Great East Japan Earthquake and ensuing tsunami wrought cataclysmic losses in Japan, especially in the northeastern region. Five years later, in March 2016, Tohoku University's International Research Institute of Disaster Science teamed up with dmp inc. to hold the "AR HOPE TOUR in Sendai/Tagajo." The idea behind the project is to ensure that the events of that day will never fade from memory.

The AR HOPE TOUR was originally the idea of students at Miyagi Agricultural High School, for whom the tour idea brought home a Grand Prix in 2014 at the National Tourism Plan Competition for high school students (an event sponsored by the Ministry of Education, Culture, Sports, Science and Technology and the Japan Tourism Agency). Others then took the idea and turned it into a reality by presenting augmented reality in both video and audio format via a number of

Sony products, including the wearable SmartEyeglass, the Xperia™ Z4 Tablet, and a 4K ultra short throw projector. These products were used to create a solution that delivers a strikingly realistic depiction of the destruction caused by the March 2011 earthquake.

In the AR HOPE TOUR, persons can visit the areas hit by the tsunami and put on the SmartEyeglass to experience an "augmented reality" version of the tsunami. Tour participants can also view 360-degree video showing how locations were affected by the earthquake using tablet computers. They further have the option of watching video and images from a 4K ultra short throw projector. These cutting-edge technologies afford a real feeling of the tremendous size and ferocity of the tsunami. There are also "storytellers" with the tour that share their personal experience. The tour shows quite clearly the capabilities of these solutions. Sony will continue working on them to develop applications in disaster preparedness education and tourism.





Working to Address Social Development through the Utilization of Technology

I. Model Study of Community Electrification in Bangladesh Using a Long-life Storage Battery System

From August 2013 through February 2014, Sony undertook a study* in an unelectrified area of Bangladesh (Gaibandha district, Saghata sub-district) aimed at encouraging the effective use of renewable energy generation and improving

living conditions and hygiene for local people using a long-life storage battery system** and photovoltaic (PV) panels. Based on the results of this study, Sony has begun considering the feasibility of building a new business model.

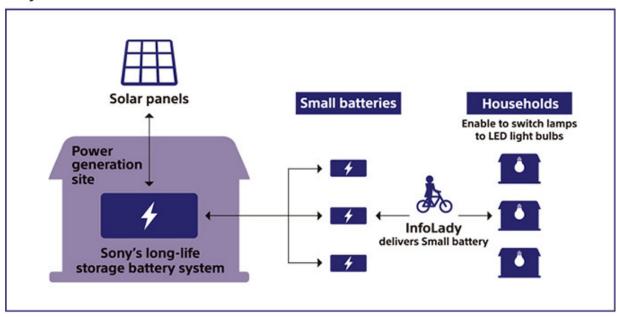
Project name:

Electrification of an unelectrified area using solar power generation and a long-life storage battery system

Objectives:

- To effectively utilizes renewable energy generation and to promote the use of electricity
- To contribute to the reduction of greenhouse gas emissions
- To improve living conditions and hygiene through the electrification of an unelectrified area

Project Overview



Research Overview:

1. Store renewable energy generated by a solar PV system in Sony's long-life storage battery system.

- 2. Transfer the stored energy to portable batteries and deliver to 100 households in an unelectrified area to supply power.
- 3. This energy enables to replace kerosene lamps with LED light bulbs which consume lower energy. (A portable battery powers a 2-watt LED light bulb for approximately 15 hours.)
- 4. Residents can work and study indoors even after sunset. Indoor air contamination is also reduced, thereby enhancing living environments.





Benefits:

- Be able to charge the long-life storage battery system with solar power generation during daylight hours. The stored energy will be divided into portable batteries and are delivered to the village to supply power for use at night.
- Residents can work and study indoors even after sunset, which leads to an improvement in residents' quality of life.
- Inside the houses, air contamination by kerosene lamps is reduced.
- The power is also used to charge widely used mobile phones and enhances convenience.

Secondary benefits:

The project employed InfoLady***consultants to deliver portable batteries to each household and undertake programs to promote the uptake of the system. The InfoLady program is managed by a local NGO, and can be described as "a consultation-based assistance program carried out for women and by women." By utilizing the InfoLady program, the project promoted increased employment of local women and contributed to their empowerment.

Sony Computer Science Laboratories, Inc. has subsequently been collaborating with the local startup Solaric to study ways of using solar power generation and storage battery systems to bring electricity to unelectrified areas in developing countries.

Solaric Green Innovation Delivered

- * Details on this study are here.
- ** Sony used an olivine-type lithium-ion iron phosphate battery, which boasts a very stable crystalline structure, and even at high temperatures the material exhibits excellent thermal stability. Sony also applied its proprietary powder-design and cell-structure technologies to realize high output and long battery life of over 10 years (in the case of a room temperature of 23 °C, and charging/discharging once per day).

Expanding from the Development of Olivine-Type Lithium-Ion Iron Phosphate Storage Batteries to Include Other Peripheral Devices

*** This is an action program managed by the local NGO, D.Net. The program seeks to organize entrepreneurially minded women in rural areas. At present the program covers 12 areas from 13 offices, with approximately 80 women acting as InfoLady consultants. The participants use netbooks, digital still cameras and mobile phones while making rounds in their assigned coverage areas on bicycles. They provide information and knowledge necessary for life in rural areas (related to health and hygiene, legal matters affecting women and agricultural matters). This program is attracting significant worldwide attention as a successful case of ICT use in a developing country for poverty reduction and empowerment of women.



II. Solving Social Issues in Urban Bangladesh by Utilizing IC Card Technology

Sony is involved in activities that aim to solve social issues in urban Bangladesh by using Sony's FeliCa™ contactless IC card technology.

In the capital city of Dacca, a majority of people use buses for their transportation, which causes traffic jams that have become a social problem. Moreover, people typically have to purchase paper tickets by the roadside for every boarding, which is inconvenient and makes it easy to dodge fares.



Commuter in Dacca, Bangladesh, pays his bus fare using a SPASS IC card

To help solve such problems, an IC card-based system using FeliCa technology was introduced in 2011 to replace the paper tickets. In addition to improving convenience for passengers, it realized speedy boarding and alighting time and the utilization of incoming and outgoing records to optimize bus operation management. The system has also contributed to the alleviation of traffic jams and the improvement of air pollution, and made fare collection more transparent.

Community Engagement

Updated on September 7, 2016

Sony Museums and Foundations

Sony organizes exhibitions of various kinds, including exhibitions at educational museums that are designed to stimulate interest in media, science, technology and entertainment.

Sony Museums

Sony ExploraScience (Tokyo and Beijing)

In these science museums produced by Sony, visitors can actually see, touch and enjoy the principles and laws of science in action and the progress and fascination of digital technology.

Sony ExploraScience (Tokyo)

Sony ExploraScience (Beijing)

Sony Archives (Tokyo)

Sony Archives showcases the pioneering products that Sony has given the world as well as a variety of documents.

Sony Archives (Tokyo)

Sony Foundations

Sony Education Foundation (Japan)

Sony Music Foundation (Japan)

Sony Foundation Australia Limited (Australia)

Sony Canada Charitable Foundation (Canada)

Stichting Sony Europa Foundation (Pan-Europe)

GRI Guidelines G4 Content Index

Updated on October 07, 2016

Global Reporting Initiative (GRI) Sustainability Reporting Guidelines G4 and its Content Index

Sony's CSR reporting referes to international standards and guidelines related to CSR activity reporting.

Sony has participated to GRI Sustainability Reporting Guidelines' planning and revision's multi-stakeholder processes.

Below GRI Sustainability Reporting Guidelines Content Index includes related information available on Sony websites.

Indica	tors	Related Website
Straget	y and Analysis	
G4-1	Statement from the most senior decisionmaker of the organization (such as CEO, chair, or equivalent senior position) about the relevance of sustainability to the organization and the organization's strategy for addressing sustainability.	Management Message Form 20-F Item3
G4-2	Description of key impacts, risks, and opportunities.	

Organi	zational Profile	
G4-3	Name of the organization.	Form 20-F
G4-4	Primary brands, products, and services.	Item4
G4-5	Location of organization's headquarters.	Risk Management
G4-6	Number of countries where the organization operates, and names of countries where either the organization has significant operations or that are specifically relevant to the sustainability topics covered in the report.	System Framework Crisis Management System
G4-7	Nature of ownership and legal form.	Framework
G4-8	Markets served (including geographic breakdown, sectors served, and types of customers and beneficiaries).	Sony's Approach to Supplier Relations
G4-9	 Scale of the organization, including Total number of employees Total number of operations Net sales(for private sector organizations) or net revenues(for public sector organizations) Total capitalization broken down in terms of debt and equity (for private sector organizations) 	Form 20-F Item 6 Employee Data
	Quantity of products or services provided	

G4-10	Total number of employees by employment contact	Form 20-F
	and gender.	Item 6
	 Total number of permanent employees by employment type and gender. 	Employee Data
	employment type and gender.	
	 Total workforce by employees and supervised workers and by gender 	
	Total workforce by region and gender	
	 Whether a substantial portion of the organization's work is performed by workers who are legally recognized as self-employed, or by individuals other than employees or supervised workers, including employees and supervised employees of contractors. 	
	 Any significant variations in employment numbers (such as seasonal variations in employment in the tourism or agricultural industries) 	
G4-11	Percentage of total employees covered by collective bargaining agreements.	Form 20-F
G4-12	Organization's supply chain	Form 20-F
G4-13	 Any significant changes during the reporting period regarding the organization's size structure, ownership, or its supply chain, including; Changes in the location of, or changes in, operations, including facility openings, closings, and expansions Changes in the share capital structure and other capital formation, maintenance, and alteration operations (for private sector organizations) Changes in the location of suppliers, the structure of the supply chain, or in relationships with suppliers, including seclection and termination" 	Form 20-F

G4-14	Whether and how the precautionary approach or principle is addressed by the organization.	Environment
G4-15	List externally developed economic, environmental and social charters, principles, or other initiatives ot which the organization subscribes or which it endorses	Ethics and Compliance
C 1 16		CSR at Sony
G4-16	List membership of associations (such as industry associations) and natural or international advocacy	Ethics and Compliance
	organization in which the organization;Holds a position on the governance body	CSR at Sony
	Participates in projects or committes	Quality and Services
	 Provides substantive funding beyond routine membership dues 	
	Views membership as strategic	
Identifi	ed Material Aspects and Boundaries	
G4-17	 a. List all entities inclued in the organization's consolidated financial statements or equivalent documents b. Whether any entity included in the organization's consolidated financial statements or equivalent documents is no covoerd by the report 	Form 20-F
G4-18	a. Process for defining the report content and the Aspects Boundaries.b. How the organization has implemented the	About CSR Reporting CSR at Sony
	Reporting Principles for Defining Report Content.	,
G4-19	List all the material Aspects identified in the process for defining report content	CSR at Sony

witin the o	For each material Aspect, report the Aspect Boundary witin the organizations For each material Aspect, report the Aspect Boundary outside the organization	CSR at Sony CSR Organizational Structure Stakeholder Engagement and Partnership CSR at Sony
	outside the organization	CSR Organizational Structure Stakeholder Engagement and Partnership
G4-22	Effect of any restatements of information provided in previous reports, and the reasons for such restatements.	N/A
G4-23	Significant changes from previous reporting periods in the Scope and Aspect Boundaries	Environmental Data

Stakeh	older Engagement	
G4-24	Basis for identification and selection of stakeholders with whom to engage.	CSR at Sony Human Resources Quality and Services
G4-25	Data measurement techniques and the bases of calculations, including assumptions and techniques underlying estimations applied to the compilation of the Indicators and other information in the report.	
G4-26	Organization's approach to stakeholder engagement, including frequency of engagement by type and by stakeholder groups, and an indication of whether any of the engagements was undertaken specifically as part of the report preparation process	
G4-27	Key topics and concerns that have been raised through stakeholder engagement, and how the organization has responded to those key topics and concerns, including through its reporting. Report the stakeholder groups that raised each of the key topics and concerns	
Report	Profile	
G4-28	Reporting period (such as fiscal or calendar year) for information provided.	About CSR Reporting
G4-29	Date of most recent previous report (if any)	
G4-30	Reporting cycle (such as annual, biennial).	
G4-31	Contact point for questions regarding the report or its contents	CSR Contacts
G4-32	a. 'In accordance' option the organization has chosenb. GRI Content Index for the chosen optionc. Reference to the External Assuarance Report, if the report has been externally assured.	About CSR Reporting

G4-33	 a. Organization's policy and current practice with regard to seeking external assurance for the report. b. If not included in the assurance report accompanying the sustainability report, report the scope and basis of any external assurance provided. c. Relation ship between the organization and the assurance provides d. Whether the highest governance body or senior executives are involved in seeking assurance for the organization's sustainability report. 	Environmental Data
Govern	ance	
G4-34	Governance structure of the organization, including committees of the highest governance body. Identify anny committees responsible for decision-making on economic, environmetal and social impacts.	Corporate Strategy, Business Strategy and Other Policies Governance Framework
G4-35	Process for delegating authority for economic, environmental and social topics from the highest governance body to senior exectives and other employees.	Corporate Governance
G4-36	Whether the organization has appointed an exective-level position or positions with responsibility for economic, environmental and social topics, and whether post holders report directly to the highest governance body	Corporate Governance
G4-37	Processes for consultation between stakeholders and the highest governance body on economic, environmental and social topics. If oncultation is delegated, describe to whom and any feedback processes to the highest governance body.	Corporate Governance

G4-38	Composition of the highest governance body and its committees	Governance Framework
G4-39	Whether the Chair of the highest governance body is also an exective officer (and, if so, his or her function within the organization's management and the reasons for this arrangement).	Governance Framework
G4-40	Nomination and selection processes for the highest governance body and its committees, and the criteria used for nominating and selecting highest governance body members	Governance Framework
G4-41	Processes for the highest governance body to ensure conflicts of interest are avoided and managed. Report whether conflicts of interrest are disclosed to stakeholders	Evaluation of the Board and the Committees
G4-42	The highest governance body's and senior executives' roles in the development, approval, and updating of the organization's purpose, value of mission statements, strategies, policies, and goals related to economic, environmental and social impacts	Corporate Governance
G4-43	Measures taken to develop and enhance the highest governance body's collective knowledge of economic, environmental and social topics	Relationship with Shareholders and Other Stakeholders

G4-44	 a. Processes for evaluation of the highest governance body's performance with respect to governance of economic, environmental and socal topics. Whether such evaluation is independent or not, and its freqency. Whether such evaluation is a self-assessment. b. Actions taken in response to evaluation of the higest governance body's performance with respect to governance of economic, environmental and social topics, including, as a minimum, changes in membership and organizational practice 	Evaluation of the Board and the Committees
G4-45	 a. The highest governance body's role in the identification and management of economic, environmental and social impacts, risk, and opportunities. Include the highest governance body's role in the implementation of due diligence processes. b. Whether stake holder consultation is used to support the highest governance body's identification and management of economic, environmental and social impacts, risks, and opportunities. 	Corporate Governance
G4-46	The highest governance body's role in reviewing the effectiveness of the organization's risk management processes for economic, environmental and social topics.	Corporate Governance
G4-47	Frequency of the highest governance body's review of economic, environmental and social impacts, risks, and opportunities	Corporate Governance
G4-48	The highest committee or position that formally reviews and approves the organization's sustainability report and ensures that all material Aspects are covered.	CSR at Sony

G4-49	Process for communicating critical concerns to the highest governance body.	Corporate Governance
G4-50	Nature and total number of critical concerns that were communicated to the highest governance body and the mechanism(s) used to adddress and resolve them.	N/D
G4-51	 a. Remuneration policies for the highest governance body and senior exectives b. How performance criteria in the remuneration policy relate to the highest governance body's and senior executives' economic, environmental and social objectives. 	Form 20-F
G4-52	Process for determining remuneration. Whether remuneration consultants are involved in determining remuneration and whether they are independent of management. Any other relation ships which the remuneration consultants have with the organization.	Form 20-F
G4-53	How stakeholders' views are sought and taken into account regaring remuneration, including the results of votes on remuneration policies and proposals, if applicable.	Internal Control and Governance Framework Relationship with Shareholders and Other Stakeholders
G4-54	Ratio of the annual total compensation for the oraganization's highest-paid individual in each country of significant operations to the median annual total compensation for all employees (excluding the highest-paid individual) in the same country.	N/D

G4-55	Ratio of percentage increase in annual total compensation for the organization's highest-paid individual in each country of significant operations to the median percentage increase in annual total compensation for all employees (excluding the highest-paid individual) in the same country	N/D
Ethics a	and Integrity	
G4-56	Organization's values, principles, standards and norms of behavior such as codes of conduct and codes of ethics.	Sony Group Code of Conduct
G4-57	Internal and External mechanisms for seeking advice on ethical and lawful behavior, and matters related to oraganizational integrity, such as helplines or advice lines.	Reporting Ethical Concerns Respect for Human Rights
G4-58	Internal and external mechanisms for reporting concerns aboutt unethical or unlawful behavior, and matters related to organizational integrity, such as escalation through line management, whistleblowing mechanisms or hotlines.	Reporting Ethical Concerns Respect for Human Rights

Disclosures on Management Approach		
G4-DMA	 a. Why the Aspect is material. The impacts that make this Aspect material. b. How the organization manages the material Aspect or its impacts. c. The evaluation of the management approach including; The mechanisms for evaluating the effectiveness of the management approach The results of the evaluation of the management approach Any related adjustments to the management approach" 	CSR at Sony

Economic		
Economic Performance		
G4-EC1	Direct economic value generated and distributed	Form 20-F
G4-EC2	Financial implications and other risks and opportunities for the organization's activities due to climate change	Form 20-F
G4-EC3	Coverage of the organization's defined benefit plan obligations	Form 20-F
G4-EC4	Financial assistance receive from government	N/A
Market Presence		
G4-EC5	Ratios of standard entry level wage by gender compared to local minimum wage at significant locations of operation	Careers

G4-EC6	G4-EC6 Proportion of senior management hired from the local	Recruitment
	community at significant locations of operation	Employee Data
Indirect	Economic Impacts	
G4-EC7	Development and impact of infrastructure investments and services supported	Contributing to the International Community through Business
G4-EC8	Significant indirect economic impacts, including the extent of impacts	Activities Form 20-F
Procurement Practices		
G4-EC9	Proportion of spending on local suppliers at significant locations of operation	Procurement Activities

Environmental		
Materials		
G4-EN1	Materials used by weight or volume	Conserving Resources
G4-EN2	Percentage of materials used that are recycled input materials	Overview of Sony's Environmental Impact

Energy		
G4-EN3	Energy consumption within the organization	Greenhouse Gas Emissions Overview of Sony's Environmental Impact
G4-EN4	Energy consumption outside of the organization	Environmental Data
G4-EN5	Energy intensity	Conserving Resources Overview of Sony's Environmental Impact
G4-EN6	Reduction of energy consumption	Environmental Data for Sites
G4-EN7	Reduction in energy requirements of products and services	Environmental Data for Products
Water		
G4-EN8	Total water withdrawal by source	Reducing Water Consumption
G4-EN9	Water sources siginificantly affected by withdrawal of water	N/A
G4-EN10	Percentage and total volume of water recycled and reused	Reducing Water Consumption

Biodivers	sity	
G4-EN11	Operational sites owned, leased, managed in, or adjaceent to, protected areas and areas of high biodiversity value outside protected areas	Guiding Principles for Biodiversity Conservation Initiatives and Case Examples
G4-EN12	Description of significant impacts of activities, products, and services on biodiversity in protected areas and areas of high biodiversity value outside protected areas	N/A
G4-EN13	Habitats protected or restored	Guiding Principles for Biodiversity Conservation Initiatives and Case Examples
G4-EN14	Total number of IUCN red list species and national conservation list species with habitats in areas affected by operations, by level of extinction risk	N/A
Emission	S	
G4-EN15	Direct greenhous gas(GHG) emissions (SCOPE1)	Reducing Greenhouse Gas Emissions Greenhouse Gas Emissions
G4-EN16	Energy indirect greenhouse gas(GHG) emissions(SCOPE2)	Reducing Greenhouse Gas Emissions Greenhouse Gas Emissions

G4-EN17	Other indirect greenhouse gas(GHG) emissions(SCOPE3)	Overview of Sony's Environmental Impact Reducing Greenhouse Gas Emissions Greenhouse Gas Emissions
G4-EN18	Greenhouse gas(GHG) emissions intensity	Reducing Greenhouse Gas Emissions Overview of Environmental Impact and Eco-Efficiency
G4-EN19	Reduction of greenhouse gas (GHG) emissions	Environmental Mid-Term Targets for Operations Environmental Mid-Term Targets for Products and Services Progress Toward Achieving Mid-Term Targets for Logistics

G4-EN20	Emissions of Ozone-depleting substances(ODS)	Managing Chemical Substances
G4-EN21	NOx,SOx,and other significant air emissions	Managing Chemical Substances Environmental Data
Effluents	and Waste	
G4-EN22	Total water discharge by quality and destination	Environmental Data
G4-EN23	Total weight of waste by type and disposal method	Reducing Waste Generation Environmental Data
G4-EN24	Total number and volume of significant spills	Managing Chemical Substances
G4-EN25	Weight of transported, imported, exported, or treated waste deemed hazardous under the terms of the Basel convention annex I, II, III and VIII, and percentage of transported wasted shipped internationally	N/A
G4-EN26	Identity, size, protected status and biodiversity value of water bodies and related habitats significantly affected by the organization's discharges of water and runoff	N/A

SONY

Products and Services			
G4-EN27	Extent of impact mitigation of environmental impacts of products and services	Environmental Mid-Term Targets for Products and Services	
G4-EN28	Percentage of products sold and their packaging materials that are reclaimed by category	Product Recycling Policy and Performance Environmental Data	
Complian	Compliance		
G4-EN29	Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations	Managing Chemical Substances	
Transport	t		
G4-EN30	Significant environmental impacts of transporting products and other goods and materials for the organization's operations, and transporting members of the workforce	Overview of Sony's Environmental Impact Progress Toward Achieving Mid-Term Targets for Logistics	
Overall			
G4-EN31	Total environmental protection expenditures and investments by type	Environmental Cost	

Supplier Environmental Assessment			
G4-EN32	Percentage of new suppliers that were screened using environmental criteria	Responsible Supply Chain	
G4-EN33	Significant actual and potential negative environmental impacts in the supply chain and actions taken	N/D	
Environm	Environmental Grievance Mechanisms		
G4-EN34	Number of grievances about environmental impacts filed, addressed, and resolved through forrmal grievance mechanisms	N/A	

Social	Social		
Employ	ment		
G4-LA1	Total number and rates of new employee hires and employee turnover by age group, gender and region	Form 20-F Employee Data	
G4-LA2	Benefits provided to full-time employees that are not provided to temporary or part-time employees, by significant locations of operation	N/D	
G4-LA3	Return to work and retention rates after parental leave, by gender	Diversity	
SUB:Lak	oor practices and decent work		
Labor/Management Relations			
G4-LA4	Minimum notice periods regarding operational changes, including whether these are specified in collective agreements	N/D	

Occpatio	Occpational Health and Safety		
G4-LA5	Percentage of total workforce represented in formal joint management-worker health and safety committees that help monitor and advise on occupational health and safety programs	Occupational Health & Safety	
G4-LA6	Type of injury and rates of injury, occupational diseases, lost days, and absenteeism, and total number or work-related fatalities, by region and by gender	Global Workplace Injury Statistics	
G4-LA7	Workers with high incidence or high risk of diseases related to their occupation	Occupational Health & Safety	
G4-LA8	Health and safety topics coverd in formal agreements with trade unions	Basic Policy and Management System	
Training	and Education		
G4-LA9	Average hours of training per year per employee by gender, and by employee category	Training Activities	
G4-LA10	Programs for skills management and lifelong learning that support the continued employability of employees and assist them in managing career endings	Communication	
G4-LA11	Percentage of employees receiving regular performance and career development reviews, by gender and by employee category	Training & Talent Development	

Diversity	Diversity and Equal Opportunity		
G4-LA12	Composition of Governance bodies and breakdown of employees per employee category according to gender, age group, minority group membership, and other indicators of diversity	Employee Data Diversity Training & Talent Development	
Equal Re	Equal Remuneration for Women and Men		
G4-LA13	Ratio of basic salary and remuneration of women to men by employee category, by significant locations of operation	Form 20-F	
Supplier	Assesment for Labor Practices		
G4-LA14	Percentage of new suppliers that were screened using labor practices criteria	Responsible Supply Chain	
G4-LA15	Significant actual and poetntial negative impacts for labor practices in the supply chain and actions taken	Addressing the Issue of Conflict Minerals	
Labor Parctices Grievance Mechanisms			
G4-LA16	Number of grievances about labor practices filed, addressed, and resolved through formal grievance mechanisms	Reporting Ethical Concerns	

SUB:Human rights				
Investment				
G4-HR1	Total number and percentage of significant investment agreements and contracts that include human rights clauses or that underwent human rights screening	N/A		
G4-HR2	Total hours of employee training on human rights policies or procedures concerning aspects of human rights that are relevant to operations, including the percentage of employees trained	Respect for Human Rights		
Non-discrimination				
G4-HR3	Total number of incidents of discrimination and corrective actions taken	Reporting Ethical Concerns		
Freedon	n of Association and Collective Bargaining			
G4-HR4	Operations and suppliers identified in which the right to exercise freedom of association and collective bargaining may be violated or at significant risk, and measures taken to support these rights	Supply Chain Management		
Child Labor				
G4-HR5	Operations and suppliers identified as having significant risk for incidents of child labor, and measures taken to contribute to the effective abolition of child labor	Supply Chain Management		
Forced or Complusory Labor				
G4-HR6	Operations and suppliers identified as having significant risk for incidents of forced or compulsory labor, and measures to contribute to the elimination of all forms of forced or compulsory labor	Supply Chain Management		

Security	Practices	
G4-HR7	Percentage of security personnel trained in the organization's human rights policies or procedures that are relevant to operations	N/A
Indigeno	us Rights	
G4-HR8	Total number of incidents of violations involving rights of indigenous peoples and actions taken	N/A
Assessm	ent	
G4-HR9	Total number and percentage of operations that have been subject to human rights reviews or impact assessments	N/A
Supplier	Human Rights Assessment	
G4-HR10	Percentage of new suppliers that were screened using human rights criteria	Supply Chain Management
G4-HR11	Significant actual and potential negative human rights impacts in the supply chain and actions taken	Supply Chain Management
Human R	lights Grievance Mechanisms	
G4-HR12	Number of Grievances about human rights impacts filed, addressed and resolved through formal grievance mechanisms	Reporting Ethical Concerns Sony's Approach to Supplier Relations

SUB:Soc	SUB:Society		
Local Communities			
G4-S01	Percentage of operations with implemented local community engagement, impact assessments, and development programs	Contributing to the International Community through Business Activities	
G4-SO2	Operations with siginificant actual and potential negative impacts on local communities	Investor Relations	
Anti-corruption			
G4-SO3	Total number and percentage of operations assessed for risks related to corruption and the significant risks identified	Ethics and Compliance	
G4-SO4	Communication and training on anti-corruption policies and procedures	Ethics and Compliance	
G4-S05	Confirmed incidents of corruption and actions taken	N/A	
Public Policy			
G4-S06	Total value of political contributions by country and recipient/beneficiary	N/A	
Anti-competitive behavior			
G4-SO7	Total number of legal actions for anti-competitive behavior, anti-trust, and monopoly practices and their outcomes	N/A	

Compliar	nce	
G4-S08	Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations	N/A
Supplier	Assessment for Impacts on Society	
G4-SO9	Percentage of new suppliers that were screened using criteria for impact on society	Responsible Supply Chain
G4-SO10	Significant actual and potential negative impacts on society in the supply chain and actions taken	N/A
Grievano	e Mechanisms for Impacts on Society	
G4-SO11	Number of grievances about impacts on society on society filed, addressed, and resolved throught formal grievance mechanisms	N/A
SUB:Prod	duct Responsibility	
Custome	r Health and Safety	
G4-PR1	Percentage of significant product and service categories for which health and saffety impacts are assessed for improvement	Product Quality and Quality Management
G4-PR2	Total number of incidents of non-compliance with regulations and voluntary codes concerning the health and safety impacts of products and services during their life cycle, by type of outcomes	Product Quality and Quality Management
Product a	and Service Labeling	
G4-PR3	Type of product and service information required by the organization's procedures for product and service information and labeling, and percentage of significant product and service categories subject to such information requirements	Procurement Activities

G4-PR4	Total number of incidents of non-compliance with regulations and voluntary codes concerning product and services information and labeling, by type of outcomes	N/A
G4-PR5	Results of surveys measuring customer satisfaction	Responsiveness and Customer Service
Marketing Communications		
G4-PR6	Sale of banned or disputed products	Important Notice
G4-PR7	Total number of incidents of non-compliance with regulations and voluntary codes concerning marketing communications, including advertising, promotion, and sponsorship, by type of outcomes	N/A
Customer Privacy		
G4-PR8	Total number of substantiated complaints regarding breaches of customer privacy and losses of customer data	Ethics and Compliance
Compliance		
G4-PR9	Monetary value of significant fines for non-compliance with laws and regulations concerning the provision and use of poducts and services	N/A

N/A No related activities or no significant issues to be reported N/D Not disclosed