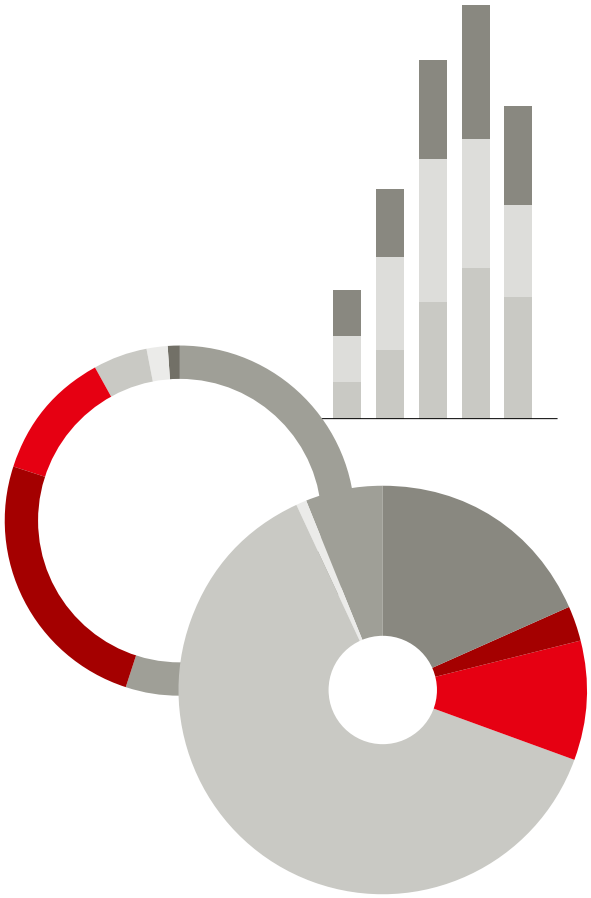
Data Overview



Environmental Accounting

Fiscal 2015 Breakdown of Results (Capital investment, costs, economic benefits)

Item		Main areas covered	Cost (billion yen)		Economic benefits (billion yen)
			Capital investment	Expense	
Business area costs / benefits	Pollution prevention costs/ benefits	Air/water pollution prevention, etc.	0.73 (+0.41)	4.34 (-0.43)	6.26 (-0.50)
	Global environmental conservation costs/benefits	Global warming prevention, saving energy, etc.	0.65 (-0.01)	2.94 (+0.08)	1.81 (-0.11)
	Resource circulation costs/ benefits	Waste disposal, efficient utilization of resources, etc.	0.00 (-0.06)	2.36 (-0.04)	10.24 (-0.87)
Upstream/downstream costs/benefits		Collection, recycling, reuse, and proper disposal of products, etc.	0.02 (-0.00)	0.85 (+0.02)	0.44 (-0.07)
Administration costs/benefits		Provision and operation of environmental management systems, environmental education of employees, etc.	0.03 (+0.01)	2.70 (+0.04)	0.29 (-0.09)
R&D costs/benefits		R&D on products and solutions that contribute to environmental protection, etc.	0.20 (+0.18)	41.23 (+3.32)	71.26 (+5.75)
Social activity costs		Donations to, and support for, environmental groups, etc.	0.00 (-0.00)	0.03 (-0.00)	–
Environmental remediation costs/benefits		Restoration and other measures related to soil and groundwater contamination, etc.	0.00 (-0.02)	0.08 (+0.01)	0.00 (+0.00)
Total			**1.63 (+0.51)**	**54.54 (+3.00)**	**90.31 (+4.10)**

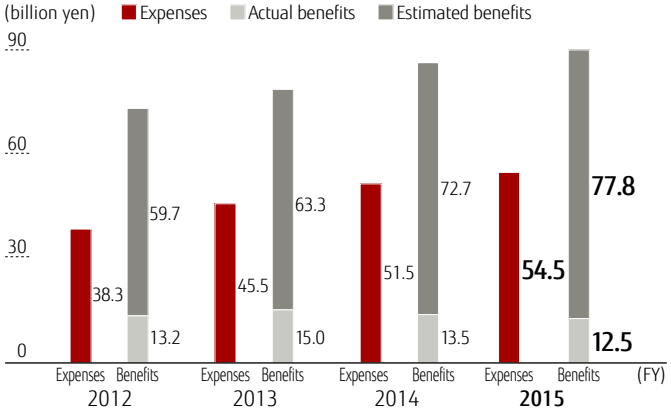
* Numbers in parentheses indicate increases or decreases in comparison with the previous year. Due to rounding, figures in columns may not add up to the totals shown. Items shown as "0.00" include items for which the value was smaller than the display units used.

Costs and Economic Benefits in FY 2015

The results of this accounting for FY 2015 showed expense of 54.5 billion yen (a 6% increase from the previous year) and the economic benefits were 90.3 billion yen (a 5% increase from the previous year). Thus both costs and benefits increased. Also, our capital investment was 1.6 billion yen (a 45% increase from the previous year).

Driving forward our R&D on products and solutions to contribute to environmental conservation for customers and society led to broad increases in R&D costs and economic benefits (calculated by our own method for estimating economic benefits).

Trends in Expenses and Economic Benefits



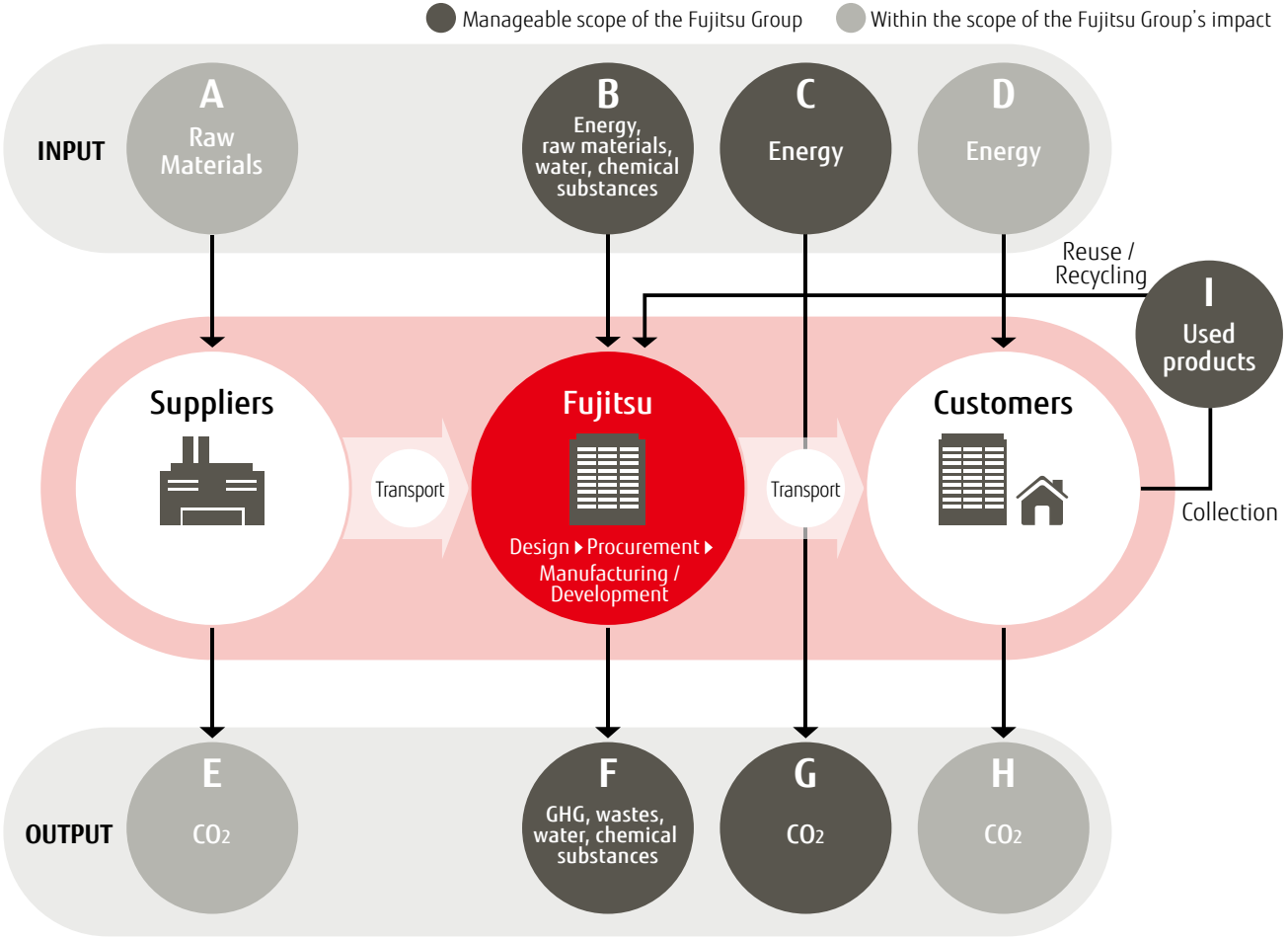
Environmental Liabilities

Our Liabilities toward the Environment

The Fujitsu Group, in properly forecasting expected future environmental liabilities and communicating our soundness and stance of not deferring environmental liabilities, has recorded a liability of 8.48 billion yen in soil-pollution cleanup costs, high-level polychlorinated biphenyl (PCB) waste disposal costs, and asbestos processing costs during facilities demolition. This total is the amount we calculate, as of the end of FY 2015, to be necessary for the Fujitsu Group in Japan to carry out these tasks in the next FY and beyond.

Material Balance

Fujitsu depicts the overall image of our environmental impacts using numbers, in order to engage in business activities with the environment in mind.



FY 2015 Key Performance

INPUT

A·B | Design/Procurement/ Manufacturing/Development

Raw Materials	
Metal	18 ktons
Plastic	9 ktons
Others	15 ktons
Chemical Substances*	
VOCs	1.3 ktons
PRTR	9.7 ktons
Water	
Water usage	15.83 Mm³
Energy	
Total	18.37 PJ
Purchased electricity	1,680 GWh
Heavy oil, kerosene, etc.	8,590 kL
LPG, LNG	3,454 tons
Natural gas, city gas	29.92 Mm³
District heating and cooling	42 TJ

C | Distribution/Sales

Energy	
Fuel (light oil, gasoline, etc.)	1.50 PJ

D | Usage

Energy	
Electricity	7,898 GWh (77.64 PJ)

I | Collection/Reuse/Recycling

Resources recycling rate	94.5%
Amount processed	5,203 tons

OUTPUT

E·F | Design/Procurement/ Manufacturing/Development

Raw Materials	
CO_2 emissions	630 ktons-CO_2
Chemical Substances*	
VOCs	212 tons
PRTR	10 tons
Atmospheric Release	
Total GHG emissions	876 ktons
CO_2	786 ktons-CO_2
GHG other than CO_2 (PFC, HFC, SF_6, others)	90 ktons
NOx	103 tons
SOx	108 tons
Water Discharge	
Wastewater discharges	14.08 Mm³
BOD	397 tons
COD	160 tons
Waste	
Amount of waste generated	20.7 ktons
Thermal recycling volume	4.6 ktons
Material recycling volume	14.9 ktons
Disposal volume	1.1 ktons

G | Distribution/Sales

Atmospheric Release	
CO_2	100 ktons-CO_2

H | Usage

Atmospheric Release	
CO_2	4,410 ktons-CO_2

* Substances that qualify as both a PRTR targeted chemical and a VOC are included under "VOCs" only.

GHG Emissions Report based on GHG Protocol Standards

Materials purchase ▶ Transportation initiated by Fujitsu ▶ Production ▶ Value chain transportation ▶ Waste

Scope 3 Upstream

- **Purchased goods and services** — Materials, components, etc. — 2,317 ktons
- **Capital goods** — Building construction — 82 ktons
- **Fuel- and energy-related** — Not included in Scopes 1 and 2 — 68 ktons
- **Transportation and distribution** (Upstream) — Product distribution, etc. — 102 ktons
- **Waste generated in operations** — Industrial waste treatment, etc. — 8 ktons
- **Business travel** — Use of public transportation — 107 ktons
- **Employee commuting** — 76 ktons
- **Leased assets** (Upstream) — Building use — 123 ktons

Scopes 1, 2 Reporting company

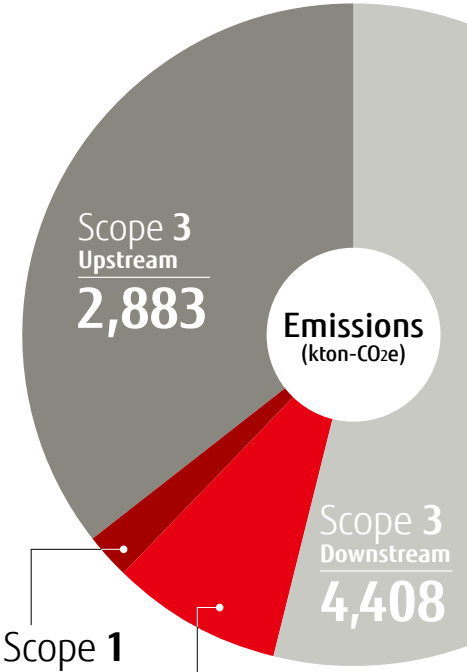
Scope 1
Direct emissions
Burning, etc. of fossil fuels
189 ktons

Scope 2
Indirect emissions from energy sources
Use of purchased electricity
Use, etc. of purchased steam
686 ktons

Scope 3 Downstream

- **Transportation and distribution** (Downstream) — Not covered
- **Processing of sold products** — Not covered
- **Use of sold products** — Products' electricity consumption — 4,407 ktons
- **End-of-life treatment of sold products** — PC recycling (and other) — 1 kton
- **Leased assets** (Downstream) — The Company's business is not applicable.
- **Franchises** — The Company's business is not applicable.
- **Investment** — The Company's business is not applicable.

Covered
Not covered
The Company's business is not applicable.



Supplementary Data

Business Sites Where Soil or Groundwater Contamination Has Been Found

Site Name (Location)	Cleanup and Countermeasure status	Monitoring Well Maximum Value (mg/L)		Regulated Level (mg/L)
		Substance	Measured Value	
Kawasaki Plant (Kawasaki City, Kanagawa Prefecture)	We are continuing to clean up VOCs by pumping and aeration.	Cis-1, 2-dichloroethylene	6.0	0.04
Oyama Plant (Oyama City, Tochigi Prefecture)	We are continuing to clean up VOCs by pumping and aeration.	Cis-1, 2-dichloroethylene	17.172	0.04
		Trichloroethylene	0.486	0.03
Nagano Plant (Nagano City, Nagano Prefecture)	We are continuing to clean up VOCs by pumping and aeration.	Cis-1, 2-dichloroethylene	0.066	0.04
Suzaka Plant (Suzaka City, Nagano Prefecture)	We have constructed an underground impervious wall and are continuing processing pumped water.	Polychlorinated biphenyl	0.0026	Must not be detected
Fujitsu Optical Components (Oyama City, Tochigi Prefecture)	We are continuing to clean up VOCs by pumping and aeration.	Cis-1, 2-dichloroethylene	0.173	0.04
		Trichloroethylene	0.218	0.03
FDK Sanyo plant (Sanyo-Onoda City, Yamaguchi Prefecture)	We are continuing to clean up VOCs by pumping and aeration.	Trichloroethylene	0.049	0.03
FDK Energy (Formerly the FDK Washizu Plant) (Kosai City, Shizuoka Prefecture)	We are continuing to clean up VOCs by pumping and aeration.	Cis-1, 2-dichloroethylene	0.52	0.04
		Trichloroethylene	0.16	0.03
		Tetrachloroethylene	0.029	0.01

Energy Use (Scope 1 and Scope 2)

Category	Energy use
Total	18.37 PJ (387.7 J/100 million yen)
Scope 1	1.81 PJ
Scope 2	16.56 PJ

Response to Environmental Complaints (FY 2015)

Complaint	Cases	Response
Noise (noise pollution from machinery breakdown)	6	Implemented noise abatement measures; provided explanations to local residents.

Fujitsu Group Profile

Company Name: Fujitsu Limited

Addresses:
- Kawasaki Main Office
  4-1-1 Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan
- Headquarters
  Shiodome City Center 1-5-2 Higashi-Shimbashi, Minato-ku, Tokyo 105-7123, Japan

President: Tatsuya Tanaka

Established: June 20, 1935

Main Business Activities:
Manufacture and sale of communications systems, information processing systems, electronic devices, and the provision of services related to those products

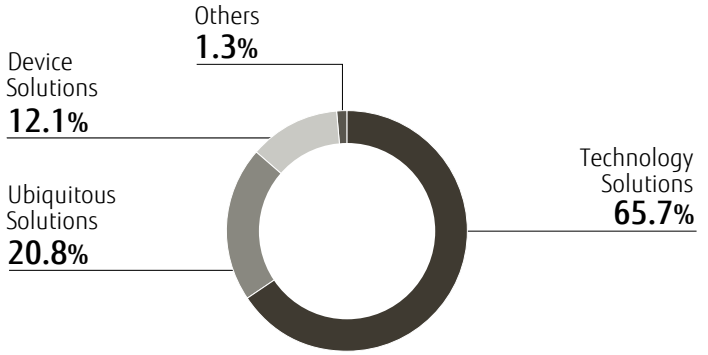
Capital: ¥324.6 billion

Net sales: ¥2,006.83 billion (Fujitsu only), ¥4,739.24 billion (consolidated)

Employees: 156,000 (as of March 31, 2016)

Directors: 12

FY 2015 Consolidated Net Sales by Business Segment



Environmental Performance Data Calculation Standards

Subject Period: April 1, 2015 – March 31, 2016
Scope: Fujitsu and the Fujitsu Group (For details, refer to the List of Companies Covered by the Report on Environmental Activities.)

Chapter I Contribution to Society (Fujitsu Group Environmental Action Plan (Stage VII) "Contribution to Society")

Target Item	Indicator	Unit	Calculation Method
Contribute to reducing cumulative greenhouse gas emissions from customers and society by 38 million tons or more	Reduce greenhouse gas (GHG) emissions through the provision of ICT	Tons	Calculated by multiplying annual sales of each solution category by a conversion factor of CO2e (carbon dioxide equivalent) savings per unit of sales, which is based on case studies of Environmentally Conscious Solutions in Japan.
Make 50% or more of new products top-level energy efficient	The percentage of new products that are top-level energy efficient	%	The percentage of top-level*1 energy efficient products with respect to the number of product series that are expected to be developed. *1 Top-level energy efficiency: Achieve more than 25% of the market benchmark in energy efficiency, on a par with "top-runner" products (first in the world or industry, top of the world or industry).
Improve resource efficiency of new products to 35% or higher versus FY 2011.	Rate of improvement of resource efficiency of new products	%	The average rate of improvement of resource efficiency*1 (versus FY 2011) of products. *1 Hardware products, under the Fujitsu brand, newly developed in FY 2013–15. Excludes products not designed by Fujitsu (OEM products) and products designed under customer specifications. *Refer to "Improving resource efficiency of new products" for the resource efficiency calculation method.
With society, support our employees to volunteer in social activities	Hours of social contribution activities by employees	Hours	Overall contribution hours = Σ participants*1 × activity hours *1 For events organized by the Fujitsu Group, participants also include employee families, stakeholders, etc.

Chapter II Pursuing Internal Reforms (Fujitsu Group Environmental Action Plan (Stage VII) "Pursuing Internal Reforms" "On-going Management Targets")

Target Item	Indicator	Unit	Calculation Method
Reduce greenhouse gas emissions from business sites to 20% below, or lower than, FY 1990 levels.	GHG emissions	Tons CO_2	CO_2 emissions: ∑{(Electricity, fuel oil, gas, and district heating and cooling annual usage) × CO_2 conversion factor for each type of energy*1} *1 CO_2 conversion factor: The factor is based on sources including an energy and industrial process subcommittee report (related to fuel) issued under the auspices of an investigative committee on greenhouse gas emissions conversion calculation methods organized by the Japanese Ministry of the Environment in FY 2002. In FY 2002 and later, the conversion factor for electricity is 0.407 tons CO_2/MWh (fixed). The conversion factor for district heating and cooling is 0.061 tons CO_2/GJ.
			GHG emissions other than CO_2: Annual emissions of HFCs, PFCs, SF_6, and NF_3 at three semiconductor plants (Mie Fujitsu Semiconductor Limited, Aizu Fujitsu Semiconductor Wafer Solution Limited, and Aizu Fujitsu Semiconductor Manufacturing Limited). ∑{Annual emissions for each type of gas*1 × Global warming potential for each gas*2} *1 Based on the calculation method used by the industries of electrical and electronics: Amount of each gas used (or purchased) × Reactant consumption rate × Removal efficiency, etc. *2 Global Warming Potential (GWP): IPCC (Intergovernmental Panel on Climate Change) Third Assessment Report "Climate Change 2001."
	Percentage reduction in total greenhouse gas emissions	% reduction	(Total GHG emissions in FY 1990 – Total GHG emissions in the fiscal year) / Total GHG emissions in FY 1990 × 100

Target Item	Indicator	Unit	Calculation Method
Improve energy intensity at our business sites by 1% or more each year on average over three years from FY 2013–2015.	Rate of improvement of energy intensity	%	The improvement rate, year on year, for each business site's energy rate index is a weighted average of the proportion to the site's overall energy usage. These values are added to calculate our total improvement rate. Σ{% improvement year-on-year in each business site's rate index × wt% proportion of overall energy usage} Target business sites: Japan (energy management plants specified under the Act on the Rational Use of Energy), UK and Australia offices
Reduce CO_2 emissions per sales from transport over 1% (on average) compared to FY 2013.	CO_2 emissions per sales from transport	Tons/100 million yen	Transport CO_2 emissions/sales (100 million yen)
	Reduction rate of CO_2 emissions compared to FY 2013	% reduction	(FY 2014 transport CO_2 emissions per sales - FY 2015 transport CO_2 emissions per sales) / FY 2014 transport CO_2 emissions per sales x 100
Expand activities for reducing CO_2 emissions to business partners in all fields.	The proportion of business partners at or above stage 2 activities (the implementation of CO_2 reduction and minimization activities with numerical targets)	%	The proportion, with respect to all major business partners, of business partners implementing activities at or above stage 2
Increase generation capacity and procurement of renewable energy.	Adoption of solar power generation	kW	Total rated capacity of solar power generation facilities installed at business sites
	Amount of green power purchased	MWh	Among of green power purchased for business site operation, exhibitions and events
Continue efforts for efficient use of water, e.g. water recycling and water saving.	Water usage	m^3	Annual use of clean water, industrial water, and groundwater (Not including groundwater extracted for purification or used for melting snow)
	Amount of recycled water	m^3	Annual amount of water used for manufacturing and other purposes, then recovered, processed, and used again for manufacturing and other processes
Reduce chemical emissions to less than the average level of FY 2009–2011. (PRTR: 21t, VOC: 258t)	Emissions of substances subject to VOC emissions restrictions	Tons	For the 20 VOCs (Volatile Organic Compounds) specified in the environmental voluntary action plans of the four electrical and electronic industry associations*1, total amounts released are provided for those substances handled in quantities exceeding 100 kg annually at individual business sites.
	Volume of PRTR-targeted substances	Tons	For the substances covered by the PRTR law (Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof), released totals are provided for those substances handled in quantities exceeding 100 kg annually per business site.
Reduce waste to less than the average level of FY 2007–2011. (Waste generated: 31,134 t)	Amount of Waste Generated	Tons	Total amount for industrial waste and general waste generated by factories and offices (Thermal recycling volume + Material recycling volume + Disposal volume)
	Effective utilization ratio (Japan only)	%	(Amount of effective use (thermal recycling & material recycling) / amount of waste generated) × 100
Maintain over 90% resource reuse rate of business ICT equipment at Fujitsu recycling centers.	Resource reuse rate of business ICT equipment	%	Based on the calculation method provided by JEITA, recycled components and resources as a percentage of the weight of used products processed in Japan. Excludes collected waste other than used electronic products.

*1 **Four electrical and electronic industry associations:** The Japan Electrical Manufactures' Association (JEMA), Japan Electronics and Information Technology Industries Association (JEITA), Communications and Information Network Association of Japan (CIAJ), and Japan Business Machine and Information System Industries Association (JBMIA)

Environmental Liabilities

Indicator	Unit	Calculation Method
Cost for environmental liabilities	Yen	1. Asset retirement obligation (Only asbestos removal cost related to facility disposal) 2. Cost for soil contamination measures 3. Disposal processing cost for waste with high concentrations of PCB (polychlorinated biphenyl)

GHG Emissions Report based on GHG Protocol Standards

Indicator		Unit	Calculation Method
Upstream (Scope 3)	Purchased goods and services	Tons	Components purchased during the fiscal year × Emissions per unit of purchases (Source: Embodied Energy and Emission Intensity Data (3EID) published by the National Institute for Environ mental Studies Center for Global Environmental Research)
	Capital goods	Tons	Monetary value of capital × Emissions value per unit of capital value (Source: Embodied Energy and Emission Intensity Data (3EID) published by the National Institute for Environmental Studies Center for Global Environmental Research)
	Fuel and energy – related activities not included in Scopes 1 and 2	Tons	Annual amounts of fuel oil and gas, electricity and heat purchased (consumed) mainly at business sites owned by Fujitsu × Emissions per unit (Source: Basic Guidelines for Calculating Greenhouse Gas Emissions Via Supply Chains and the Carbon Footprint Communication Program Basic Database Ver. 1 published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry)
	Transportation and distribution (upstream)	Tons	Transportation of goods within Japan: CO_2 emissions related to the transportation of goods within Japan by the Fujitsu Group. CO_2 emissions related to domestic transportation by the Fujitsu Group, based on the Act on the Rational Use of Energy. The fuel economy method (for some vehicles) or the improved ton-kilometer method (vehicle, rail, air, ship).
		Tons	International transport/overseas local transport: transportation ton-kilometers × emission per unit (source: GHG protocol emissions coefficient database)
	Waste generated in operations	Tons	Annual amounts of waste (discharged mainly by business sites owned by Fujitsu) processed or recycled, by type and processing method × Emissions per unit of annual amount of waste processed or recycled (Source: Basic Guidelines for Calculating Greenhouse Gas Emissions Via Supply Chains published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry)
	Business travel	Tons	(By means of transport) Σ (Transportation expense payment × Emissions per unit) (Source: Basic Guidelines for Calculating Greenhouse Gas Emissions Via Supply Chains Ver. 2.1 and Emissions per Unit Database Ver. 2.1 published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry)
	Employee commuting	Tons	For portions of commute by public transportation: (By means of transport) Σ (Transportation expense payment x Emissions per unit) (Source: As above) For portions of commute by private automobile: Σ (Transported persons-kilometer × Emissions per unit) (Source: As above) Transported persons-kilometer is calculated from transportation expense payment, price of gasoline, and fuel efficiency.
	Leased assets (Upstream)	Tons	Annual amounts of fuel oil, gas, electricity, and heat consumed mainly at leased business sites in Japan × Emissions per unit of fuel oil, gas, electricity, and heat consumed (Source: Act on Promotion of Global Warming Countermeasures - GHG Emissions Accounting, Reporting, and Disclosure System)
Reporting company (Scopes 1, 2)	Direct emissions	Tons	Amount of CO_2 emissions from the consumption of fuel oil and gas (burning of fuel), and GHG emissions, other than CO_2 mainly at business sites owned by Fujitsu *For the calculation method, see "Greenhouse gas emissions (CO_2 emissions) from business sites" in the Environmental Action Plan (Stage VII).
	Indirect emissions from energy sources	Tons	CO_2 emissions from the consumption (purchase) of electricity and heat mainly at business sites owned by Fujitsu *For the calculation method, see "Greenhouse gas emissions (GHG emissions other than CO_2) at business sites" in the Environmental Action Plan (Stage VII).
Downstream (Scope 3)	Use of sold products	Tons	Electricity consumption during product use × Emissions per unit of electricity (Source: Actual emission factor for each electricity utility based on ministerial ordinances on calculation and adjusted emission factor for each electricity utility based on reporting orders, announced for each fiscal year from FY 2010 to FY 2014) Electricity consumption during product use is calculated as electricity usage for the anticipated usage time per product unit × Units shipped for the subject fiscal year. Electricity usage for the anticipated usage time per product unit is calculated as electricity consumed (kW) × Time used (h) / Days × Number of days used / Year × Number of years used. Time used (h), number of days used per year, and number of years used are set according to Fujitsu's internal scenarios.
	End-of-life treatment of sold products	Tons	(Weight of all sold products / Weight of products processed at Fujitsu's recycling centers during the year) × Electricity used at Fujitsu's recycling centers during the year × Emissions per unit of electricity (Source: Actual emission factor for each electricity utility based on ministerial ordinances on calculation and adjusted emission factor for each electricity utility based on reporting orders, announced for each fiscal year from FY 2010 to FY 2014)

Supplementary Data

Indicator	Unit	Calculation Method
Measured value of groundwater pollution	mg/L	The highest measurements in the fiscal year for substances detected at levels exceeding regulated levels set in the Soil Contamination Countermeasures Act etc. at monitoring wells at the boundaries of sites where past business activities have resulted in soil contamination.

Operating Activities and Environmental Load (Material Balance)

INPUT

Indicator			Unit	Calculation Method
Design Procurement Manufacturing Development	Raw Materials		ktons	Material inputs to our major products*1 shipped in the fiscal year (raw materials per unit for each product × the number of units shipped in the fiscal year)
	Chemical Substances	Volume of substances subject to VOC emissions restrictions	Tons	For the 20 VOCs (Volatile Organic Compounds) specified in the environmental voluntary action plans of the four electrical and electronic industry associations*2, total amounts handled are provided for those substances handled in quantities exceeding 100 kg annually at individual business sites, including overseas sites. Substances subject to VOC emissions controls that are also covered by the PRTR law are included in the section on substances subject to VOC emissions controls
		Volume of PRTR-targeted substances	Tons	For the substances covered by the PRTR law (Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof), totals are provided for those substances handled in quantities exceeding 100 kg annually per business site, including overseas sites.
	Water usage		m^3	* For the calculation method, see "Water use" in the Environmental Action Plan (Stage VII).
	Energy consumption (calorie basis)		GJ	∑[(Electricity, fuel oil, gas, and district heating and cooling annual usage) × Thermal conversion factor for each type of energy*1] *1 Thermal conversion factor (Heating value unit): Based on sources including a table of standard heating values for specific energy sources published in February 2012 by the Agency for Natural Resources and Energy. Conversion factors of 9.83 GJ/MWh for electricity, and 46.1 GJ/1,000m^3 for town gas were used.
		Purchased electricity	MWh	Annual electricity usage
		Bunker A, fuel oil, light oil, benzine, gasoline	kL	Annual fuel oil usage (or purchases)
		Natural gas	m^3	Annual natural gas usage (or purchases)
		Town gas	m^3	Annual town gas usage (or purchases)
		LPG	Tons	Annual LPG usage (or purchases)
		LNG	Tons	Annual LNG usage (or purchases)
		District heating and cooling	GJ	Annual district heating and cooling (cold and hot water for cooling and heating) usage (or purchases)
Distribution/ Sales	Energy consumed for transport		GJ	Total value of transport energy consumption for Fujitsu*1 and Fujitsu Group companies*2 *1 Fujitsu (domestic transport): Energy consumption related to domestic transport by the Fujitsu Group, based on the Act on the Rational Use of Energy "Logistics." *2 Fujitsu Group Companies: Calculated from the transport CO_2 emissions from OUTPUT (distribution and sales) using the ratio of Fujitsu (domestic transport) transport energy consumption to transport CO_2 emissions.
Usage	Energy	Electricity	GWh	Electricity consumed in connection with major products*1 shipped during the fiscal year (Amount of electricity used for time estimated per product unit × units shipped in the fiscal year)
			GJ	
Collection/Reuse/ Recycling	Resource recycling rate		%	Based on the calculation method provided by JEITA, recycled components and resources as a percentage of the weight of used products processed in Japan. Excludes collected waste other than used electronic products.
	Processed volume		Tons	

OUTPUT

Indicator			Unit	Calculation Method
Design Procurement Manufacturing Development	Raw Materials	CO_2 emissions	ktons CO_2	CO_2 emissions related to all stages from resource extraction through processing into raw materials (CO_2 emissions equivalent for raw materials used per product unit × Units shipped in the fiscal year) for the raw materials used in major products*1 shipped in the fiscal year.
	Chemical Substances	Volume of substances subject to VOC emissions restrictions	Tons	For the 20 VOCs (Volatile Organic Compounds) specified in the environmental voluntary action plans of the four electrical and electronic industry associations,*2 total amounts released are provided for those substances handled in quantities exceeding 100 kg annually at individual business sites, including overseas sites. Substances subject to VOC emissions controls that are also covered by the PRTR law are included in the section on substances subject to VOC emissions controls
		Volume of PRTR-targeted substances	Tons	For the substances covered by the PRTR law (Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof), released totals are provided for those substances handled in quantities exceeding 100 kg annually per business site, including overseas sites.
	Atmospheric Release	CO_2 emissions	Tons CO_2	* For the calculation method, see "Greenhouse gas emissions (CO_2 emissions) from business sites" in the Environmental Action Plan (Stage VII).
		GHG emissions other than CO_2	Tons	* For the calculation method, see "Greenhouse gas emissions (GHG emissions other than CO_2) at business sites" in the Environmental Action Plan (Stage VII).
		NOx emissions	Tons	NOx concentration (ppm) × 10^{-6} × Dry gas emissions (m^3N/hr) × Operating time (hr/yr) × 46/22.4 × 10^{-3}
		SOx emissions	Tons	SOx concentration (ppm) × 10^{-6} × Dry gas emissions (m^3N/hr) × Operating time (hr/yr) × 64/22.4 × 10^{-3}
	Water Discharge	Wastewater discharges	m^3	Annual water discharges into public waterways and sewers (Not including groundwater used for melting snow, but including groundwater extracted for purification when the amount of water is known)
		BOD emissions	Tons	BOD concentration (mg/l) × Water discharges (m^3/yr) × 10^{-6}
		COD emissions	Tons	COD concentration (mg/l) × Water discharges (m^3/yr) × 10^{-6}
	Waste	Amount of Waste Generated	Tons	* For the calculation method, see "Waste generated."
		Thermal recycling volume	Tons	Among all types of waste put to effective use, the total volume used in thermal recycling * Thermal recycling: Recovery and use of the heat energy generated by incinerating waste.
		Material recycling volume	Tons	Among all types of waste put to effective use, the total volume used in material recycling * Material recycling: Processing of waste to facilitate its re-use, and re-use of processed waste as material or raw materials for new products.
		Disposal volume	Tons	Volume of industrial and general waste processed by, for example, landfilling or simple incineration
Distribution / Sales	Atmospheric Release		Tons CO_2	* For the calculation method, see "Transportation and distribution (upstream)" in the GHG Emissions Report based on GHG Protocol Standards.
Usage	Atmospheric Release		ktons CO_2	Emission intensity per electricity has changed since FY2014. For the calculation method, see "Use of sold products" in the GHG Emissions Report based on GHG Protocol Standards.

*1 **Major products:** Personal computers, mobile phones, servers, workstations, storage systems, printers, scanners, financial terminals, retail terminals, routers, LAN access equipment, access network products, mobile phone base stations, and electronic devices.

*2 **Four electrical and electronic industry associations:** The Japan Electrical Manufactures' Association (JEMA), Japan Electronics and Information Technology Industries Association (JEITA), Communications and Information Network Association of Japan (CIAJ), and Japan Business Machine and Information System Industries Association (JBMIA).

List of Organizations Covered by the Report on Environmental Activities

▪ **Organizations Covered**
The coverage is of Fujitsu itself plus a total of 117 companies (including companies outside Japan) centering on consolidated subsidiaries that have built environmental management systems.
The table below shows the organizations for which individual performance data is gathered.

▪ **Regarding the Indicators:**
- Environmental burden: Organizations for which business site environmental burden data is calculated
- Scope 1, 2, 3: Organizations that are the subject of calculations used in the GHG Emissions Report based on GHG Protocol Standards (p. 58)
- Logistics: Organizations for which logistics and transport data is calculated
- Environmental Accounting: Organizations for which environmental accounting data is calculated
- EMS: Organizations with Environmental Management Systems (EMS)

No.	Company name	Environmental burden	Scope 1, 2, 3	Logistics	Environmental Accounting	EMS
1	Fujitsu Limited	✓	✓	✓	✓	✓
	Fujitsu Group companies in Japan (84 companies)					
1	Fujitsu Advanced Printing & Publishing Co., Ltd.		✓	✓		✓
2	FUJITSU HOME & OFFICE SERVICES LIMITED		✓			✓
3	Fujitsu University		✓			✓
4	Kawasaki Frontale Limited		✓			✓
5	Fujitsu Refre Limited		✓			✓
6	Fujitsu Travelance Ltd.		✓			✓
7	Fujitsu Human Resource Professionals Limited		✓			✓
8	Fujitsu Techno Research Limited		✓			✓
9	Fujitsu CIT Limited		✓			✓
10	Toyama Fujitsu Limited	✓	✓			✓
11	Fujitsu Facilities Limited		✓			✓
12	OKINAWA FUJITSU SYSTEMS ENGINEERING LIMITED		✓			✓
13	DIGITAL PROCESS LTD.		✓			✓
14	PFU LIMITED	✓	✓	✓	✓	✓
15	FUJITSU BANKING SOLUTIONS LIMITED		✓			✓
16	SHIGA FUJITSU SOFTWARE LIMITED		✓			✓
17	FUJITSU BROAD SOLUTION & CONSULTING Inc.		✓			✓
18	FUJITSU SOCIAL SCIENCE LABORATORY LIMITED		✓			✓
19	FUJITSU MISSION CRITICAL SYSTEMS LIMITED		✓			✓
20	FUJITSU YFC LIMITED		✓			✓
21	FUJITSU NIIGATA SYSTEMS LIMITED		✓			✓
22	FUJITSU HOKURIKU SYSTEMS LIMITED		✓			✓
23	FUJITSU KYUSHU SYSTEMS LIMITED		✓			✓
24	FUJITSU KAGOSHIMA INFORNET LIMITED.		✓			✓
25	FUJITSU FIP CORPORATION	✓	✓			✓
26	NIFTY Corporation		✓			✓
27	G-Search Limited		✓			✓
28	FUJITSU FSAS INC.		✓	✓		✓
29	FUJITSU COMMUNICATION SERVICES LIMITED		✓			✓
30	FUJITSU NETWORK SOLUTIONS LIMITED		✓			✓
31	Fujitsu Frontech Limited	✓	✓	✓	✓	✓
32	FUJITSU SYSTEM INTEGRATION LABORATORIES LIMITED		✓			✓
33	FUJITSU TOKKI SYSTEMS LIMITED		✓			✓
34	FUJITSU DEFENSE SYSTEMS ENGINEERING LIMITED		✓			✓
35	Fujitsu Applications.Ltd.		✓			✓
36	FUJITSU LEARNING MEDIA LIMITED		✓			✓
37	FUJITSU RESEARCH INSTITUTE		✓			✓
38	FUJITSU Marketing LIMITED		✓	✓		✓
39	FUJITSU FOM LIMITED		✓	✓		✓
40	FUJITSU CoWorCo LIMITED		✓	✓		✓
41	TWO-ONE LIMITED		✓			✓
42	FUJITSU I-NETWORK SYSTEMS LIMITED	✓	✓	✓	✓	✓
43	ECOLITY SERVICE LIMITED		✓		✓	✓
44	FUJITSU ADVANCED ENGINEERING LIMITED		✓			✓
45	Fujitsu Software Technologies Limited		✓			✓
46	FUJITSU MIDDLEWARE LIMITED		✓			✓
47	Fujitsu Kyushu Network Technologies Limited		✓			✓
48	FUJITSU TELECOM NETWORKS LIMITED	✓	✓	✓	✓	✓
49	FUJITSU WIRELESS SYSTEMS LIMITED	✓	✓	✓		✓
50	FUJITSU COMPUTER TECHNOLOGIES LIMITED		✓			✓
51	FUJITSU IT PRODUCTS LIMITED	✓	✓	✓	✓	✓
52	Fujitsu Isotec Limited	✓	✓	✓	✓	✓
53	FUJITSU PERIPHERALS LIMITED	✓	✓	✓	✓	✓
54	FUJITSU PERSONAL SYSTEM LIMITED		✓	✓		✓
55	Shimane Fujitsu Limited	✓	✓	✓	✓	✓
56	FUJITSU KASEI LIMIED	✓	✓	✓	✓	✓
57	Fujitsu Interconnect Technologies Limited	✓	✓	✓	✓	✓

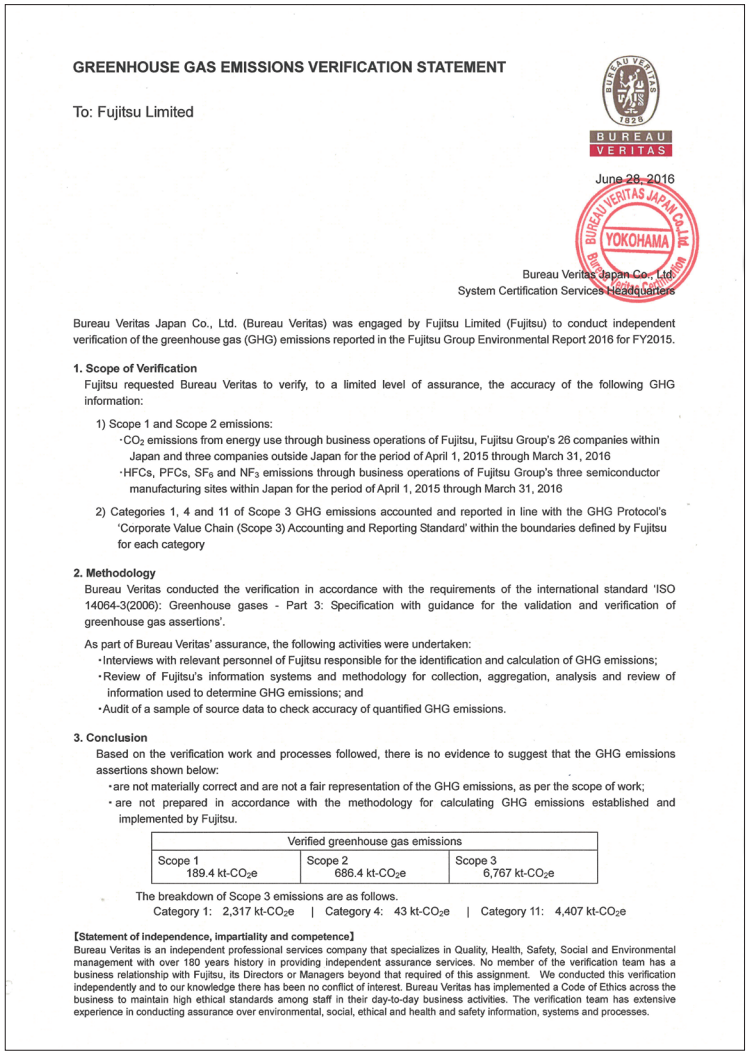
No.	Company name	Environmental burden	Scope 1, 2, 3	Logistics	Environmental Accounting	EMS
58	FUJITSU QUALITY LABORATORY LIMITED		✓			✓
59	Fujitsu Optical Components Limited	✓	✓	✓	✓	✓
60	FUJITSU KANSAI-CHUBU NET-TECH LIMITED		✓			✓
61	Fujitsu Mission Critical Software LTD.		✓			✓
62	FDK CORPORATION	✓	✓	✓	✓	✓
63	FUJITSU COMPONENT LIMITED	✓	✓	✓	✓	✓
64	Transtron Inc.		✓	✓	✓	✓
65	FUJITSU ELECTRONICS INC.		✓	✓		✓
66	Fujitsu Semiconductor IT Systems Ltd.		✓			✓
67	FUJITSU FACILITIES ENGINEERING LIMITED		✓			✓
68	SHINKO ELECTRIC INDUSTRIES CO., LTD.	✓	✓	✓	✓	✓
69	FUJITSU TEN LIMITED	✓	✓	✓	✓	✓
70	FUJITSU TEN MANUFACTURING LIMITED	✓	✓			✓
71	FUJITSU LABORATORIES LTD	✓	✓		✓	✓
72	FUJITSU SEMICONDUCTOR LIMITED	✓	✓	✓		✓
73	Fujitsu Design Limited		✓			✓
74	Fujitsu Advanced Technologies Limited		✓			✓
75	FUJITSU MOBILE COMMUNICATIONS LIMITED		✓			✓
76	Fujitsu Systems West Limited		✓			✓
77	Fujitsu Systems East Limited		✓			✓
78	FUJITSU CAPITAL LIMITED		✓			✓
79	MIE FUJITSU SEMICONDUCTOR LIMITED	✓	✓		✓	✓
80	AIZU FUJITSU SEMICONDUCTOR LIMITED	✓	✓			✓
81	AIZU FUJITSU SEMICONDUCTOR WAFER SOLUTION LIMITED	✓	✓		✓	✓
82	AIZU FUJITSU SEMICONDUCTOR MANUFACTURING LIMITED	✓	✓		✓	✓
83	AIZU FUJITSU SEMICONDUCTOR PROBE LIMITED	✓	✓			✓
84	Fujitsu IT Management Partner Co., Ltd.					✓
85	Fujitsu IS Service Limited					✓

Fujitsu Group companies worldwide (31 companies)						
1	FUJITSU COMPUTER PRODUCTS OF VIETNAM INC.	✓	✓		✓	✓
2	Jiangsu Fujitsu Telecommunications Technology Co., Ltd.					✓

No.	Company name	Environmental burden	Scope 1, 2, 3	Logistics	Environmental Accounting	EMS
3	Fuitsu Electronics Pacific Asia Limited					✓
4	Fuitsu Electronics (Shanghai) Co., Ltd.					✓
5	FUJITSU HONG KONG LIMITED					✓
6	FUJITSU DO BRASIL LIMITADA					✓
7	FUJITSU ASIA PTE. LTD					✓
8	FUJITSU NETWORK COMMUNICATIONS INC.	✓	✓	✓	✓	✓
9	Fujitsu America, Inc.		✓	✓		✓
10	Fujitsu Systems Business (Thailand) Ltd.					✓
11	Fujitsu PC Asia Pacific Pte Ltd.		✓	✓		✓
12	FUJITSU AUSTRALIA LTD.		✓	✓		✓
13	Fujitsu Technology Solutions	✓	✓	✓	✓	✓
14	Fuitsu Electronics Europe GmbH					✓
15	Nanjing Fujitsu Nanda Software Technology Co., Ltd.					✓
16	FUJITSU SERVICES HOLDINGS PLC		✓	✓		✓
17	FUJITSU KOREA LTD.					✓
18	FUJITSU TAIWAN LIMITED					✓
19	Fujitsu Telecomunication Asia Sdn. Bhd.					✓
20	FUJITSU (CHINA) HOLDINGS CO., LTD.					✓
21	Fuitsu Technology and Business of America, Inc.					✓
22	FUJITSU (XI'AN) SYSTEM ENGINEERING CO., LTD.					✓
23	Beijing Fujitsu System Engineering Co., LTD.					✓
24	GLOVIA International, Inc.					✓
25	FUJITSU AUSTRALIA SOFTWARE TECHNOLOGY PTY. LTD.					✓
26	FUJITSU Enabling Software Technology GmbH					✓
27	Fuitsu Electronics America, Inc					✓
28	Fuitsu Electronics Korea Ltd.					✓
29	Fujitsu Research and Development Center Co., LTD.					✓
30	Fujitsu Computer Products of America		✓	✓		✓
31	Fujitsu Frontech North America Inc.		✓	✓		✓

Third Party Verification

In order to ensure the reliability of the content of the Fujitsu Group Environmental Report 2016 and the Fujitsu Group CSR Report 2016, we ask a third party, Bureau Veritas Japan, to examine and post a review of the reports.



GREENHOUSE GAS EMISSIONS VERIFICATION STATEMENT

To: Fujitsu Limited

June 28, 2016

Bureau Veritas Japan Co., Ltd.
System Certification Services Headquarters

Bureau Veritas Japan Co., Ltd. (Bureau Veritas) was engaged by Fujitsu Limited (Fujitsu) to conduct independent verification of the greenhouse gas (GHG) emissions reported in the Fujitsu Group Environmental Report 2016 for FY2015.

1. Scope of Verification

Fujitsu requested Bureau Veritas to verify, to a limited level of assurance, the accuracy of the following GHG information:

1) Scope 1 and Scope 2 emissions:
- CO_2 emissions from energy use through business operations of Fujitsu, Fujitsu Group's 26 companies within Japan and three companies outside Japan for the period of April 1, 2015 through March 31, 2016
- HFCs, PFCs, SF_6 and NF_3 emissions through business operations of Fujitsu Group's three semiconductor manufacturing sites within Japan for the period of April 1, 2015 through March 31, 2016

2) Categories 1, 4 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 Fujitsu for each category

2. Methodology

Bureau Veritas conducted the verification in accordance with the requirements of the international standard 'ISO 14064-3(2006): Greenhouse gases - Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions'.

As part of Bureau Veritas' assurance, the following activities were undertaken:
- Interviews with relevant personnel of Fujitsu responsible for the identification and calculation of GHG emissions;
- Review of Fujitsu'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 emissions.

3. Conclusion

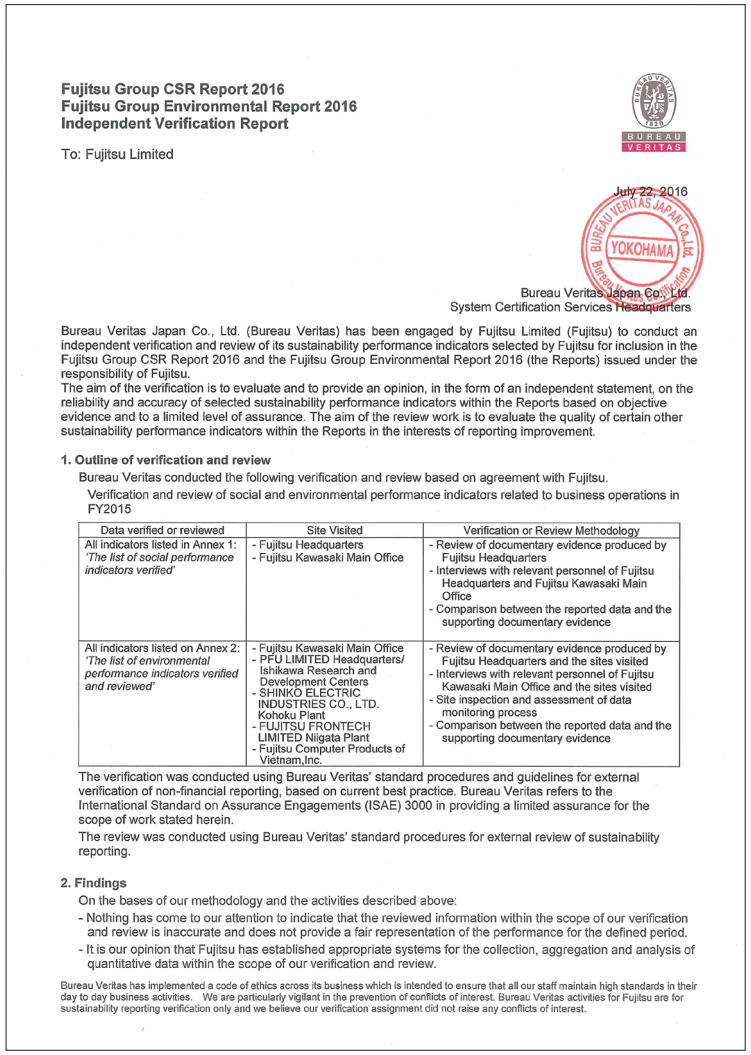
Based on the verification work and processes followed, there is no evidence to suggest that the GHG emissions assertions shown below:
- are not materially correct and are not a fair representation of the GHG emissions, as per the scope of work;
- are not prepared in accordance with the methodology for calculating GHG emissions established and implemented by Fujitsu.

Verified greenhouse gas emissions		
Scope 1 189.4 kt-CO_2e	Scope 2 686.4 kt-CO_2e	Scope 3 6,767 kt-CO_2e

The breakdown of Scope 3 emissions are as follows.
Category 1: 2,317 kt-CO_2e | Category 4: 43 kt-CO_2e | Category 11: 4,407 kt-CO_2e

【Statement of independence, impartiality and competence】

Bureau Veritas is an independent professional 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 Fujitsu, 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 Ethics 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 safety information, systems and processes.



Fujitsu Group CSR Report 2016
Fujitsu Group Environmental Report 2016
Independent Verification Report

To: Fujitsu Limited

July 22, 2016

Bureau Veritas Japan Co., Ltd.
System Certification Services Headquarters

Bureau Veritas Japan Co., Ltd. (Bureau Veritas) has been engaged by Fujitsu Limited (Fujitsu) to conduct an independent verification and review of its sustainability performance indicators selected by Fujitsu for inclusion in the Fujitsu Group CSR Report 2016 and the Fujitsu Group Environmental Report 2016 (the Reports) issued under the responsibility of Fujitsu.
The aim of the verification is to evaluate and to provide an opinion, in the form of an independent statement, on the reliability and accuracy of selected sustainability performance indicators within the Reports based on objective evidence and to a limited level of assurance. The aim of the review work is to evaluate the quality of certain other sustainability performance indicators within the Reports in the interests of reporting improvement.

1. Outline of verification and review

Bureau Veritas conducted the following verification and review based on agreement with Fujitsu.
Verification and review of social and environmental performance indicators related to business operations in FY2015

Data verified or reviewed	Site Visited	Verification or Review Methodology
All indicators listed in Annex 1: *'The list of social performance indicators verified'*	- Fujitsu Headquarters - Fujitsu Kawasaki Main Office	- Review of documentary evidence produced by Fujitsu Headquarters - Interviews with relevant personnel of Fujitsu Headquarters and Fujitsu Kawasaki Main Office - Comparison between the reported data and the supporting documentary evidence
All indicators listed on Annex 2: *'The list of environmental performance indicators verified and reviewed'*	- Fujitsu Kawasaki Main Office - PFU LIMITED Headquarters/ Ishikawa Research and Development Centers - SHINKO ELECTRIC INDUSTRIES CO., LTD. Kohoku Plant - FUJITSU FRONTECH LIMITED Niigata Plant - Fujitsu Computer Products of Vietnam,Inc.	- Review of documentary evidence produced by Fujitsu Headquarters and the sites visited - Interviews with relevant personnel of Fujitsu Kawasaki Main Office and the sites visited - Site inspection and assessment of data monitoring process - Comparison between the reported data and the supporting documentary evidence

The 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.
The review was conducted using Bureau Veritas' standard procedures for external review of sustainability reporting.

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 and review is inaccurate and does not provide a fair representation of the performance for the defined period.
- It is our opinion that Fujitsu has established appropriate systems for the collection, aggregation and analysis of quantitative data within the scope of our verification and review.

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 vigilant in the prevention of conflicts of interest. Bureau Veritas activities for Fujitsu are for sustainability reporting verification only and we believe our verification assignment did not raise any conflicts of interest.

Annex 1

The list of social performance indicators verified

Performance indicators verified	Page
Number of attendees to Female Leadership Development Program	14
Rate of woman managers	14・55・78
Employment rate of people with disabilities	15・57・78
Number of employees using the care leave support system	15・65・79
Foster global business leaders Number of attendees to Next-generation business leaders development programs	15
The number of periodic dialogue with residents in regions with major business sites	16
The number of internal database records of social contribution activities	17
CSR activities with use of ISO26000 Number of group companies which performed survey based on ISO26000	21
Number of Directors	30・78・110
Frequency of industrial accidents	70・79
Numbers and average ages of employees	78・110・112
Number of employees by age group	78
Hiring of recent college graduates	79
Employees by region	78・111
Average years of service	79
Promoting socially responsible procurement (the number of written surveys to suppliers)	93

Annex 2

The list of environmental performance indicators verified and reviewed

Performance indicators verified		Page
Rate of newly developed products that are top-level energy efficient		25
Improvement rate of resource efficiency in newly developed products		27
Amount of greenhouse gas emissions in our business facilities		34
Improving rate of energy intensity in our business facilities		
CO_2 emission from transport (Fujitsu and group companies in Japan)		38
Water usage		41
PRTR Substance and VOC Emissions		43
Amount of waste generated		44
Effective utilization ratio		
Resource reuse rate of business ICT equipment		46
INPUT (design, procurement, manufacturing, development)	Water	57
	Energy	
INPUT (recycling)	Resource recycling rate	
OUTPUT (design, procurement, manufacturing, development)	Chemical substances	
	Atmospheric release Greenhouse gases total	
	Atmospheric release CO_2	
	Atmospheric release Greenhouse gases other than CO_2	
	Volume of waste generated	
	Volume of thermal and material recycling	
	Volume of waste disposal	
OUTPUT (distribution) Atmospheric release CO_2 (Fujitsu and group companies in Japan)		
Scope3 (upstream) Transportation and distribution (Fujitsu and group companies in Japan)		58
Scope1 (reporting company) Direct emissions		
Scope2 (reporting company) Indirect emissions from energy sources		
Scope3 (upstream) Purchased goods and services		
Scope3 (downstream) Use of sold products		
Energy usage in Scope1 and Scope2		59

Performance indicators reviewed		Page
Amount of contribution to reducing emissions of greenhouse gases (GHG) through the provision of ICT		22
Percentage of reduced CO_2 emission per sales from transport		38
CO_2 emission from transport (group companies in worldwide)		
Environmental accounting		56
INPUT (design, procurement, manufacturing, development)	Chemical substances	57
INPUT (distribution) Energy		
OUTPUT (distribution) Atmospheric release CO_2 (group companies in worldwide)		
Scope3 (upstream) Transportation and distribution (group companies in worldwide)		58

GRI Guidelines Reference Table (G4)

General Standard Disclosures

Indicator		Relevant page / topic	
Strategy and Analysis			
G4-1	Statement from the most senior decision-maker	4	Top Message
G4-2	Key impacts, risks, and opportunities	5 51	Interview Initiatives to Minimize Environmental Risk
Organizational Profile			
G4-3	Name of the organization	59	Fujitsu Group Profile
G4-4	Primary brands, products, and services	59	Fujitsu Group Profile
G4-5	Location of the organization's headquarters	59	Fujitsu Group Profile
G4-6	Number, and names, of countries where the organization operates	63	List of Organizations Covered by the Report on Environmental Activities
G4-7	Nature of ownership and legal form		—
G4-8	Markets served		—
G4-9	Scale of the organization: employees, operations, net sales	59	Fujitsu Group Profile
G4-10	Number of employees by employment contract and gender		—
G4-11	Percentage of employees covered by collective bargaining agreements		—
G4-12	Organization's supply chain		—
G4-13	Significant organizational changes during the reporting period	2	Significant Changes in Coverage
Commitments to External Initiatives			
G4-14	The precautionary approach or principle addressed by the organization	51	Initiatives to Minimize Environmental Risk
G4-15	Initiatives which the organization endorses	54	Tie-ups with External Organizations in order to Spread Green ICT and a Sustainable Society
G4-16	Membership in external associations	50 54	Acquiring Information on Chemical Substances Contained in Products Tie-ups with External Organizations in order to Spread Green ICT and a Sustainable Society
Identified Material Aspects and Boundaries			
G4-17	List of entities included in the organization		—
G4-18	Process for defining the report content and the aspect boundaries	2	Editorial Policy
G4-19	List of specified material aspects	5 21 33	Interview Contribution to Society Reducing Our Environmental Burden
G4-20	Aspect boundary for each material aspect (within the organization)	57 60 63	Material Balance Environmental Performance Data Calculation Standards List of Organizations Covered by the Report on Environmental Activities
G4-21	Aspect boundary for each material aspect (outside the organization)		—
G4-22	Reasons for any restatements of information provided in previous reports	21 33	Contribution to Society Reducing Our Environmental Burden
G4-23	Changes to scope and aspect boundaries	2	Significant Changes in Coverage
Stakeholder Engagement			
G4-24	List of stakeholder groups engaged by the organization	54	Tie-ups with External Organizations in order to Spread Green ICT and a Sustainable Society
G4-25	Basis for identification and selection of stakeholders	53	Environmental Dialogues with Experts
G4-26	Engagement frequency and numerical totals	31 52 53	Collaborating with Communities and Taking Action as a Good Corporate Citizen In-House Environmental Educational and Enlightenment Activities Environmental Dialogues with Experts
G4-27	Key topics and concerns raised through stakeholder engagement	53	Environmental Dialogues with Experts
Report Profile			
G4-28	Reporting period	2	Reporting Period
G4-29	Date of most recent previous report	2	Published
G4-30	Reporting cycle	2	Published
G4-31	Contact point for questions regarding the report	2	Editorial Policy
GRI Content Index			
G4-32	The 'in accordance' option the organization has chosen		—
Assurance			
G4-33	Policy and practice regarding external assurance for the report	65	Third Party Inspection
Governance			
*G4-51 to G4-55 do not apply.			
G4-34	Governance structure	48	Environmental Management
G4-35	Process for delegating authority for economic, environmental and social topics	48	Environmental Management
G4-36	Appointees with responsibility for reporting economic, environmental and social topics	48	Environmental Management

Indicator		Relevant page / topic	
G4-37	Processes for consultation between stakeholders and the highest governance body	48	Environmental Management
G4-38	Composition of the highest governance body	48	Environmental Management
G4-39	Whether the Chair of the highest governance body is also an executive officer	48	Environmental Management
G4-40	Nomination and selection processes		—
G4-41	Processes for avoiding conflicts of interest		—
G4-42	Roles in the development of purpose, policies, and strategies	48	Environmental Management
G4-43	Enhancing knowledge of economic, environmental and social topics		—
G4-44	Evaluation with respect to governance of economic, environmental and social topics	48	Environmental Management
G4-45	Identification of economic, environmental and social impacts, risks, and opportunities	48	Environmental Management
G4-46	Roles in risk management processes for economic, environmental and social topics	48	Environmental Management
G4-47	Review of economic, environmental and social impacts, risks, and opportunities	48	Environmental Management
G4-48	Highest committee or position that approves the report		—
G4-49	Process for communicating critical concerns	48	Environmental Management
G4-50	Nature and number of critical concerns that were communicated		—
Ethics and Integrity			
*G4-56 to G4-58 do not apply.			

Specific Standard Disclosures: Economic

*G4-EC3 to G4-EC6, G4-EC9 do not apply.

Indicator		Relevant page / topic	
Aspect: Economic Performance			
G4-EC1	Direct economic value generated and distributed	31	Collaborating with Communities and Taking Action as a Good Corporate Citizen
G4-EC2	Financial implications and other risks and opportunities for the organization's activities due to climate change	51 56	Initiatives to Minimize Environmental Risk Environmental Accounting
Aspect: Indirect Economic Impacts			
G4-EC7	Development and impact of infrastructure investments and services supported	31	Collaborating with Communities and Taking Action as a Good Corporate Citizen
G4-EC8	Significant indirect economic impacts, including the extent of impacts	5 51 56	Interview Initiatives to Minimize Environmental Risk Environmental Accounting

Specific Standard Disclosures: Environmental

Indicator		Relevant page / topic	
Aspect: Materials			
EN1	Materials used by weight or volume	57	Material Balance
EN2	Percentage of materials used that are recycled input materials		—
Aspect: Energy			
EN3	Energy consumption within the organization	57	Material Balance
EN4	Energy consumption outside of the organization	57	Material Balance
EN5	Energy intensity	59	Energy Usage(Scope 1 and Scope 2)
EN6	Reduction of energy consumption	34 36 38 39	Reducing Greenhouse Gases (GHG) Emissions and Boosting Energy Intensity at Our Business Sites Promoting Environmentally Conscious Data Centers Reduce CO_2 Emissions from Logistics and Transportation Promoting CO_2 Emission Reductions with Our Business Partners
EN7	Reductions in energy requirements of products and services	25	Development of Top-Level Energy Efficient Products
Aspect: Water			
EN8	Total water withdrawal by source		—
EN9	Water sources significantly affected by withdrawal of water		—
EN10	Percentage and total volume of water recycled and reused	41	Efficient Use of Water Resources
Aspect: Biodiversity			
EN11	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas		—
EN12	Description of significant impacts of activities, products, and services on biodiversity in protected areas and areas of high biodiversity value outside protected areas	31	Collaborating with Communities and Taking Action as a Good Corporate Citizen

Indicator		Relevant page / topic	
EN13	Habitats protected or restored	31	Collaborating with Communities and Taking Action as a Good Corporate Citizen
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		—
Aspect: Emissions			
EN15	Direct greenhouse gas (GHG) emissions (scope 1)	58	GHG Emissions Report based on GHG Protocol Standards
EN16	Energy indirect greenhouse gas (GHG) emissions (scope 2)	58	GHG Emissions Report based on GHG Protocol Standards
EN17	Other indirect greenhouse gas (GHG) emissions (scope 3)	58	GHG Emissions Report based on GHG Protocol Standards
EN18	Greenhouse gas (GHG) emissions intensity	34	Reducing Greenhouse Gases (GHG) Emissions and Boosting Energy Intensity at Our Business Sites
EN19	Reduction of greenhouse gas (GHG) emissions	34	Reducing Greenhouse Gases (GHG) Emissions and Boosting Energy Intensity at Our Business Sites
EN20	Emissions of ozone-depleting substances (ODS)		—
EN21	NOx, SOx, and other significant air emissions	57	Material Balance
Aspect: Effluents and Waste			
EN22	Total water discharge by quality and destination	57	Material Balance
EN23	Total weight of waste by type and disposal method	44 57	Limiting Amounts of Waste Generated Material Balance
EN24	Total number and volume of significant spills		—
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 waste shipped internationally		—
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		—
Aspect: Products and Services			
EN27	Extent of impact mitigation of environmental impacts of products and services	25 27	Development of Top-Level Energy Efficient Products Improving the resource efficiency of products
EN28	Percentage of products sold and their packaging materials that are reclaimed by category	46 57	Product Recycling Material Balance

Indicator		Relevant page / topic	
Aspect: Compliance			
EN29	Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations	49	Status of Environmental Compliance
Aspect: Transport			
EN30	Significant environmental impacts of transporting products and other goods and materials for the organization's operations, and transporting members of the workforce	38 57	Reduce CO_2 Emissions from Logistics and Transportation Material Balance
Aspect: Overall			
EN31	Total environmental protection expenditures and investments by type	56	Environmental Accounting / Environmental Liabilities
Aspect: Supplier Environmental Assessment			
EN32	Percentage of new suppliers that were screened using environmental criteria		—
EN33	Significant actual and potential negative environmental impacts in the supply chain and actions taken		—
Aspect: Environmental Grievance Mechanisms			
EN34	Number of grievances about environmental impacts filed, addressed, and resolved through formal grievance mechanisms	59	Response to Environmental Complaints (FY 2015)

Specific Standard Disclosures: Society

*Labor Practices and Decent Work, Human Rights ,Product Responsibility do not apply.

Indicator		Relevant page / topic	
Society			
*G4-SO3 to G4-SO11 do not apply.			
G4-SO1	Percentage of operations with implemented local community engagement, impact assessments, and development programs	31	Collaborating with Communities and Taking Action as a Good Corporate Citizen
G4-SO2	Operations with significant actual and potential negative impacts on local communities	51 59	Preventing Pollution of Soil and Groundwater Business Sites Where Soil or Groundwater Contamination Has Been Found