

■ Details (1) Engineering & Development Center

■ FY2010 Targets and Achievements

Item	Aim	Target	Result	Status
Improvement of environmental value of products and services	More than 30% of newly developed Green Products shall be Super Green Products by the end of FY2012.	Develop min.1 Super Green Products.	2 Super Green Products were approved (Relay, Drawer)	Done
	Establish calculation method of eco-efficiency factor and LCA, and achieve the factor 1.2 on the newly designed Green Products compared with FY2008 products by the end of FY2012.	Establish calculation method of eco-efficiency factor and LCA and settle the factor value.	Eco-efficiency factor of each product family was settled.	Done
Enhancement of environmental load reduction activities	Reduce CO ₂ emission created by energy consumption not exceeding 3,837t-CO ₂ , 60% reduction from the FY2000 result (9,696t-CO ₂), by the end of FY2012.	Hold it down to max.3,577t-CO ₂ .	3,396t-CO ₂ (65% of FY2000 result)	Done
	Procure all materials from the major suppliers who have a program to reduce CO ₂ emission by the end of FY2012.	Procure min.60% of materials from those major suppliers.	60.6% (objective suppliers: 94)	Done
	Reduce VOC (ethanol) emission not exceeding 1,666kg, 10% reduction from FY2007 result (1,852kg) by the end of FY2012.	Hold it down to max.1,559kg (Note 1)	1,190kg (35.7% reduction from FY2007 result)	Done
	Hold down generation of waste not exceeding 210t, 118% of FY2007 result (179t) by the end of FY2012.	Hold it down to max.147t.	129.3t (27.8% reduction from FY2007 result)	Done
Environmental and social contributions	Contribute to social activities in local community at least once a year.	Implement min.1 contribution.	3 contributions	Done
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Implement min.1 investigation for biodiversity conservatory activities.	4 activities	Done
	Procure all materials from the major suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Procure min.60% of materials from those major suppliers.	60.6% (objective suppliers: 94)	Done

■ FY2011 Aims and Targets

Item	Aim	Target
Improvement of environmental value of products and services	More than 30% of newly developed Green Products shall be Super Green Products by the end of FY2012.	Develop min.1 Super Green Product.
	Establish calculation method of eco-efficiency factor and LCA, and achieve the 1.2 on the newly designed Green Products compared with FY2008 products by the end of FY2012.	Achieve eco-efficiency factor 1.2 on all Green Products newly designed.
Enhancement of environmental load reduction activities	Reduce CO ₂ emission created by energy consumption not exceeding 3,837t-CO ₂ , 60% reduction from the FY2000 result (9,696t-CO ₂).	Hold it down to max.3,772t-CO ₂ .
	Procure all materials from the major suppliers who have a program to reduce CO ₂ emission by the end of FY2012.	Procure 80% of materials from those major suppliers.
	Reduce ethanol emission not exceeding 1,140kg, 38% reduction from FY2007 (1,852kg) by the end of FY2012. (Note 1)	Hold it down to max.1,098kg.
Environmental and social contribution	Reduce generation of waste not exceeding 149t, 20% reduction from FY2007 result (179kg) by the end of FY2012.	Hold it down to max.126t.
	Contribute to social activities in local community at least once a year.	Implement min.2 contributions.
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Implement min.2 activities.
	Procure all materials from the major suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Procure min.80% of materials from those major suppliers.

Note 1) Ethanol emission and waste amount were reset upward by considering FY2010 results at the beginning of the term.

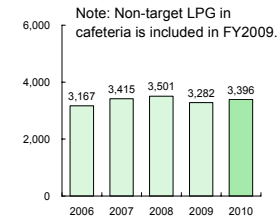
■ Status of Environmental Law Compliance.

We conducted measurements conform to Air Pollution Control Act, Sewerage Act, Noise & Vibration Control Act twice a year. We confirmed that every value was under voluntary thresholds, which are set to be within the legal threshold. Below table shows the results of major substances.

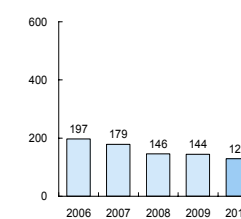
Item	Unit	Legal Threshold	Prefecture Threshold	Voluntary Threshold	Result (max.)	
Air Pollution Control Act	Sulfur Oxide concentration	Nm ³	--	--	2.5	0.039
	Nitrogen Oxide	ppm	260	180	150	47
Noise Regulation Act	Morning, evening	dB	55 - 65	60	55	50.4
	Noon time	dB	60 - 65	60	55	50.8
	Night time	dB	50 - 55	50	47.5	47.1
Vibration Regulation Act	Noon time	dB	65 - 70	65	60	35.4
	Night time	dB	60 - 65	60	55	31.4
Sewerage Act	Hydrogen-ion concentration (pH)	-	5 - 9	5 - 9	5.1 - 8.9	7.6
	Biochemical Oxygen Demand	mg/l	600	600	300	45
	n-hexane extraction (mineral oil)	mg/l	5	5	5	1.4

■ Environmental Load Data

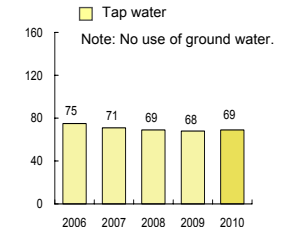
■ CO₂ Emissions (unit:t-CO₂)



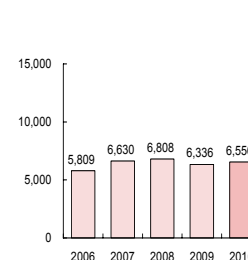
■ Wastes (unit:tonne)



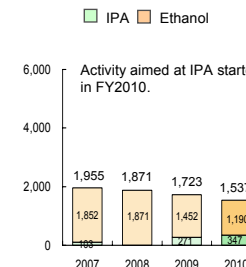
■ Water Usage (unit: km³)



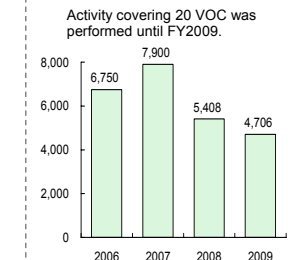
■ Electrical Power Consumption (unit: MWh)



■ IPA & Ethanol Emissions (unit: kg)



◆ (Reference) Volatile Organic Compound (VOC) Emission (unit: kg)



■ Details (2) SHINANO FUJITSU LIMITED

■ FY2010 Targets and Achievements

Item	Aim	Target	Result	Status
Enhancement of environmental load reduction activities	Reduce CO ₂ emission created by energy consumption not exceeding 3,589t-CO ₂ , 18% reduction from the FY2000 result (4,379t-CO ₂), by the end of FY2012.	Hold it down to max.3,782t-CO ₂ , 1% reduction from FY2009 result (3,661t-CO ₂) ^(Note 1)	3,700t-CO ₂ (15.5% reduction from FY2000 result)	Done
	Procure all materials from the major suppliers who have a program to reduce CO ₂ emission by the end of FY2012.	Procure min.60% of materials from those major suppliers.	63.3% (objective suppliers: 22)	Done
	Reduce IPA emission not exceeding 4,000kg, min.10% reduction from the result of FY2007 (5,706kg) by the end of FY2012.	Hold it down to max. 4,500kg ^(Note 2)	4,390kg (23.0% reduction from FY2007 result)	Done
	Reduce generation of waste not exceeding 440t, 12.6% reduction from FY2007 result (504t) by the end of FY2012.	Hold it down to max.457t.	420t (16% reduction from FY2007 result)	Done
Environmental and social contributions	Contribute to social activities in local community at least once a year.	Implement min.1 contribution.	3 contribution performed	Done
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Implement min.1 investigation for biodiversity conservatory activities.	2 activities performed	Done
	Procure all materials from the major suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Procure min.60% of materials from those major suppliers.	66.7% (objective suppliers: 24)	Done

Note 1) Value for CO₂ emission was reset downward due to increase of cooling load caused by heat wave hit area during the term.
 Note 2) Value for IPA emission was reset downward due to sudden increase of objective products during the term.

■ FY2011 Aims and Targets

Item	Aim	Target
Enhancement of environmental load reduction activities	Reduce CO ₂ emission created by energy consumption not exceeding 3,589t-CO ₂ , 18% reduction from the FY2000 result (4,379t-CO ₂).	Hold it down to max.3,624t-CO ₂ .
	Procure all materials from the suppliers who have a program to reduce CO ₂ emission by the end of FY2012.	Procure min.80% of materials from those major suppliers.
	Reduce IPA emission not exceeding 4,300kg, 10% reduction from FY2007 (5,706kg) by the end of FY2012. ^(Note 1)	Hold it down to max.4,400kg.
	Reduce generation of waste not exceeding 440t, 12.6% reduction from FY2007 result (503t) by the end of FY2012.	Hold it down to max.445t.
Environmental and social contribution	Contribute to social activities in local community at least once a year.	Implement min.1 contribution.
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Implement min.1 biodiversity conservatory activities.
	Procure all materials from the suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Procure min.80% of materials from those major suppliers.

Note 1) Value for IPA emission was reset downward in April 2011 due to increase of production of objective boards.

■ Details (2) SHINANO FUJITSU LIMITED

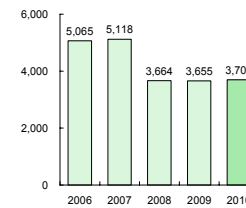
■ Status of Environmental Laws compliance

There is no item environmental laws or regulations shall be applied. However, we set voluntary control value based on the legal threshold and monitor them. Measured values are shown in below table .

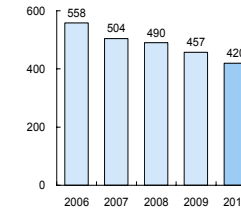
Item		Unit	Legal Threshold	Prefecture Threshold	Voluntary control value	Result
Air Pollution Control Act	Sulfur Oxide concentration	Nm ³ /h	--	--	1	0.11
	Nitrogen Oxide	ppm	--	--	108	69
Noise Regulation Act	Morning, evening	dB	--	--	70	59.5
	Noon time	dB	--	--	70	58.9
	Night time	dB	--	--	65	57.0
Vibration Regulation Act	Noon time	dB	--	--	70	41.6
	Night time	dB	--	--	65	40.6
Sewerage Act	Hydrogen-ion concentration (pH)	-	5 - 9	--	5.5- 8.5	8.2
	Biochemical Oxygen Demand	mg/l	600	--	550	180
	n-hexane extraction (plant/animal oil)	mg/l	30	--	15	4.5

■ Environmental Load Data

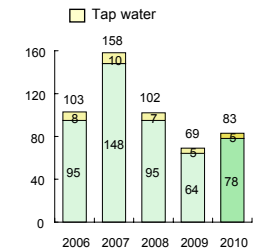
■ CO₂ Emissions (unit: t-CO₂)



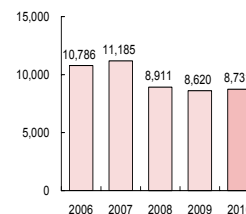
■ Wastes (unit: tonne)



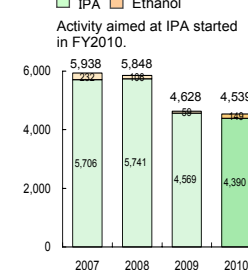
■ Water Usage (unit: km³)



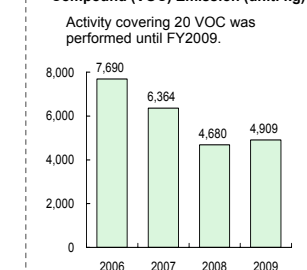
■ Electrical Power Consumption (unit: MWh)



■ IPA & Ethanol Emissions (unit: kg)



◆ (Reference) Volatile Organic Compound (VOC) Emission (unit: kg)



■ Details (3) MIYAZAKI FUJITSU COMPONENTS LIMITED

■ FY2010 Targets and Achievements

Item	Aim	Target	Result	Status
Enhancement of environmental load reduction activities	Hold down CO ₂ emission created by energy consumption not exceeding 8,100t-CO ₂ , 236% of FY2000 result (3,431t-CO ₂), by the end of FY2012. ^(Note 1)	Hold it down to max.7,404t-CO ₂ (18,192MWh) ^(Note 2)	6,068t-CO ₂ (14,909MWh, 176.9% of FY2000 result)	Done
	Procure all materials from the major suppliers who have a program to reduce CO ₂ emission by the end of FY2012.	Investigate the procurement ratio in major material suppliers who proceeding CO ₂ reduction activities.	100% investigation completed (objective supplier: 27)	Done
	Reduce VOC emission to a result 52% reduction from FY2007 result (1,465kg) by the end of FY2012.	Hold IPA down to max.900kg.	898kg (38.7% reduction from FY2007 result).	Done
	Reduce generation of waste not exceeding 73.2t, 4.2% reduction from FY2007 result (76.4t) by the end of FY2012.	Hold it down to max.74.8t.	59t (22.8% reduction from FY2007 result)	Done
Environmental and social contributions	Contribute to social activities in local community at least once a year.	Implement min.3 contribution.	4 activities	Done
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Implement min.1 investigation for biodiversity conservatory activities.	2 activities	Done
	Procure all materials from the major suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Investigate suppliers who declared the biodiversity conservatory activities.	All suppliers were investigated (objective suppliers: 27)	Done

Note 1) Because of business reform in FY2009, emission values among group companies were newly assigned.

Note 2) CO₂ emission was reset upward during the term as reduction program had reached to the target in early stage.

■ FY2011 Aims and Targets

Item	Aim	Target
Enhancement of environmental load reduction activities	Hold down CO ₂ emission created by energy consumption not exceeding 7,100t-CO ₂ , 207% of the FY2000 result (3,431t-CO ₂) ^(Note 1)	Hold it down to max.17,199MWh (7,000t-CO ₂).
	Procure all materials from the major suppliers who have a program to reduce CO ₂ emission by the end of FY2012.	Procure mini.70% of materials from those major suppliers who have a program to reduce CO ₂ emission.
	Reduce VOC emission to a result 27% reduction from FY2007 results (1,465kg) by the end of FY2012. The VOC referring to here is IPA. ^(Note 2)	Hold IPA down to max.1,189kg.
	Reduce generation of waste to a result 12.3% reduction from the FY2007 results (76.4t) by the end of FY2012. ^(Note 3)	Hold it down to max.65.0t.
Environmental and social contribution	Contribute to social activities in local community.	Implement min.3 activities.
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Implement 1 activity.
	Procure all materials from the major suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Procure min.70% of materials from those major suppliers.

Note 1) CO₂ emission was reset upward in April 2011 by considering FY2010 result and reviewed FY2011 production plan.

Note 2) IPA emission value was reset downward in April 2011 by considering FY2010 result and reviewed FY2011 production plan.

Note 3) Waste generation value was reset upward in April 2011 by considering FY2010 result and reviewed FY2011 production plan.

■ Details (3) MIYAZAKI FUJITSU COMPONENTS LIMITED

■ Status of Environmental Laws compliance

We conducted the measurement conform to *Water Pollution Control Act, Sewerage Act, Noise Control Act, Vibration Regulation Act* twice a year, and all measured values were within the voluntary control value which is set at within legal threshold. Measurement result on major items are shown in below table.

Item		Unit	Legal Threshold	Prefecture Threshold	Voluntary control value	Result
Noise Regulation Act (Obi Plant)	Morning, Evening	dB	50	--	49	46.7
	Noon time	dB	55	--	53.9	51.5
	Night time	dB	45	--	44.1	43.5
Water Pollution Control Act (Hidakajima Drain)	Hydrogen-ion concentration	-	--	--	6.0 - 8.4	6.6
	Biochemical oxygen demand	mg/l	--	--	108	Less than 0.5
	n-hexane extraction (mineral oil)	mg/l	5	--	4.5	Less than 0.5
Sewerage Act (Main plant)	Hydrogen-ion concentration (pH)	-	--	--	6.0 - 8.4	6.6
	Biochemical oxygen demand	mg/l	--	--	23	5.7

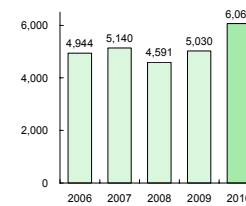
Note : Main plant and Hidakajima Plant locate outside of the area where Noise Regulation Act shall be applied.

■ Voluntary value excess in drain water from water purifier tank at main plant

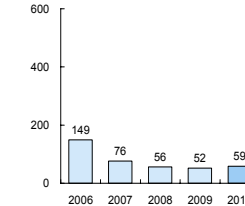
Hydrogen-ion concentration of 5.5, which exceeds the voluntary control value of 6.6-8.4, was measured in Sept. 2010 at Main Plant. Overrunning of purifier tank was the cause; its aeration amount was set at too high to treat the actual sewage load coming in. It was solved by adjustment of running time of the tank blower. The concentration value has been falling within the voluntary control value.

■ Environmental Load Data

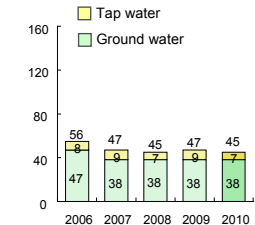
■ CO₂ Emissions (unit: t-CO₂)



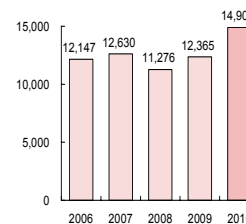
■ Wastes (unit: tonne)



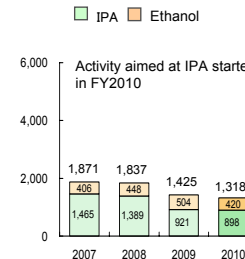
■ Water Usage (unit: km³)



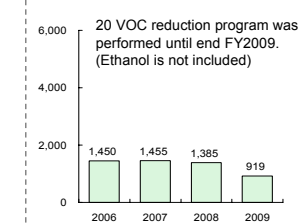
■ Electrical Power Consumption (unit: MWh)



■ IPA & Ethanol Emissions (unit: kg)



◆ (Reference) Volatile Organic Compound (VOC) Emission (unit: kg)



■ Details (4) CHIKUMA TSUSHIN INDUSTRY CO., LTD.

■ FY2010 Targets and Achievements

Item	Aim	Target	Result	Status
Enhancement of environmental load reduction activities	Reduce CO ₂ emission created by energy consumption not exceeding 2,400t-CO ₂ , 10.1% reduction from the FY2000 result (2,670t-CO ₂), by the end of FY2012.	Hold it down to max.2,500t-CO ₂ , 6.4% reduction from FY2000.	2,500t-CO ₂ (6.4% reduction from FY2000 result)	Done
	Procure all materials from the major suppliers who have a program to reduce CO ₂ emission by the end of FY2012.	Procure min.60% of materials from those major suppliers.	93.8% (objective suppliers: 17)	Done
	Reduce generation of waste not exceeding 146t, 21.7% reduction from the FY2007 result (186.5t) by the end of FY2012.	Hold it down to max.163t, 12.6% reduction from FY2007 result.	148t (20.7% reduction from FY2007 result)	Done
Environmental and social contributions	Contribute to social activities in local community at least once a year.	Implement min.1 contribution to society.	4 activities.	Done
Promotion of biodiversity conservatory activities	We shall provide the education to biodiversity conservatory for diffusion and education.	Perform min.1 surveillance for establishing activities.	1 activity.	Done
	Procure all materials from the major suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Investigate all suppliers' activity status.	100% (objective suppliers: 27)	Done

■ FY2011 Aims and Targets

Item	Aim	Target
Enhancement of environmental load reduction activities	Reduce CO ₂ emission created by energy consumption not exceeding 2,400t-CO ₂ , 10.1% reduction from the FY2000 result (2,670t-CO ₂).	Hold it down to max.2,450t-CO ₂ , 8.2% reduction from FY2000 result.
	Procure all materials from the major suppliers who have a program to reduce CO ₂ emission by the end of FY2012.	Procure 100% of materials from those major suppliers.
	Reduce generation of waste not exceeding 146t, 21.7% reduction from the FY2007 result (186.5t) by the end of FY2012.	Hold it down to max.148t, 20.6% reduction from FY2007 result.
Environmental and social contribution	Contribute to social activities in local community at least once a year.	Implement min.1 contribution.
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Perform min.1 surveillance for establishing biodiversity conservatory activity.
	Procure all materials from the major suppliers who declare effort for biodiversity conservatory by the end of FY2012.	Procure min.60% of materials from those major suppliers who declare the biodiversity conservatory activities.

■ Details (4) CHIKUMA TSUSHIN INDUSTRY CO.,LTD.

■ Status of Environmental Laws Compliance

Main and Nozawa plants conducted the measurement conform to *Water Pollution Control Act, Sewerage Act, Noise Control Act, Vibration Regulation Act* twice a year, and all measured values were within the voluntary control value set at within legal threshold. Main Plant hold the joint measurement with adjacent TAKAMISAWA ELECTRIC CO., LTD. Shinshu Plant. Please refer to Details (5) TAKAMISAWA ELECTRIC CO.,LTD. SHINSHU PLANT for Main Plant.

Note : Main plant locates outside of the area where environmental laws or regulations are applied.

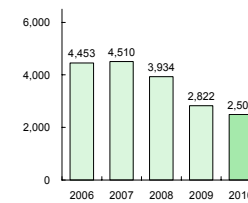
Data relating to drain water in Nozawa plant is shown below;

Item	Unit	Legal Threshold	Prefecture Threshold	Voluntary Threshold	Results (max.)	
Water Pollution Control Act	Hydrogen-ion concentration (pH)	-	5.8 - 8.6	--	6.0 - 8.4	7.5
	Biochemical oxygen demand	mg/l	160	--	108	4.4
	Tetrachloroethylene	mg/l	0.1	--	0.09	Less than 0.001
	Trichloroethylene	mg/l	0.3	--	0.27	Less than 0.001
	Cis-1,2-dichloroethylene	mg/l	0.4	--	0.36	Less than 0.01

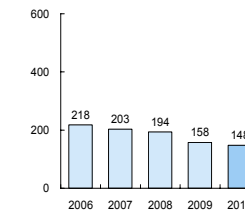
Excessive chlorine organic compound was found at Nozawa Plant in 1998 (it was Takamisawa Electric Co., Ltd. at that time). Objective chemical material was immediately replaced and soil cleaning and monitoring through observation well have been conducted since then. This activities will be kept in FY2011.

■ Environmental Load Data

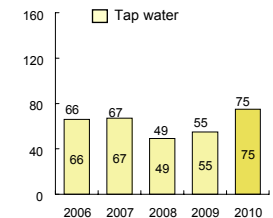
■ CO₂ Emissions (unit: t-CO₂)



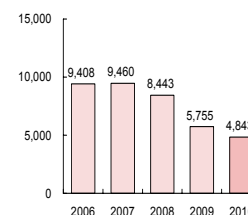
■ Wastes (unit: tonne)



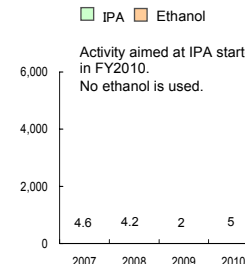
■ Water Usage (unit:km³)



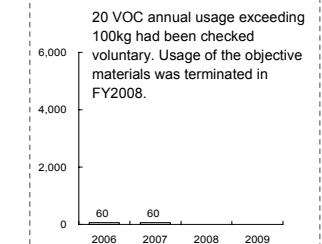
■ Electric Power Consumption (unit: MWh)



■ IPA & Ethanol Emissions (unit: kg)



◆ (Reference) Volatile Organic Compound (VOC) Emission (unit: kg)



■ FY2010 Targets and Achievements, FY2011 Targets

■ Details (5) TAKAMISAWA ELECTRIC CO., LTD. SHINSHU PLANT

■ FY2010 Targets and Achievements

Item	Aim	Target	Result	Status
Enhancement of environmental load reduction activities	Reduce CO ₂ emission created by energy consumption not exceeding 188t-CO ₂ , 54% reduction from the FY2000 result (412t-CO ₂), by the end of FY2012.	Hold it down to max.230t-CO ₂ .	227t-CO ₂ (44.9% of FY2000 result)	Done
	Reduce generation of waste not exceeding 2.1t, 34% of FY2007 result (3.16t) by the end of FY2012.	Hold it down to max.2.2t.	2.1t (33.5% reduction from FY2007 result)	Done
Environmental and social contributions	Contribute to social activities in local community at least once a year.	Implement min.1 contribution.	4 activities.	Done
Promotion of biodiversity conservatory activities	Provide the education of biodiversity conservatory for diffusion and education.	Conduct min.1 surveillance for establishing activities.	1 activity.	Done

■ FY2011 Aims and Targets

Item	Aim	Target
Enhancement of environmental load reduction activities	Reduce CO ₂ emission created by energy consumption not exceeding 227t-CO ₂ , 45% reduction from the FY2000 result (412t-CO ₂), by the end of FY2012 ^(Note 1) .	Hold it down to max.228t-CO ₂ .
	Reduce generation of waste not exceeding 3.1t, 2% reduction from FY2007 result (3.16kg) by the end of FY2012 ^(Note 2) .	Hold it down to max.3.3t.
Environmental and social contribution	Contribute to social activities in local community at least once a year.	Implement min.1 contribution to society.
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Conduct min.1 surveillance for establishing biodiversity conservatory activity.

Note 1) Value for CO₂ emission was reset downward in April 2011 as a result of production plan review for FY2011 based on FY2010 results.

Note 2) Value for waste generation was reset downward in April 2011 as a result of production plan review for FY2011 based on FY2010 results.

■ Environmental Load Data

■ Details (5) TAKAMISAWA ELECTRIC CO., LTD. SHINSHU PLANT

■ Status of Environmental Laws Compliance

We conducted measurements conform to Noise Regulation Act, Vibration Regulation Act and Sewerage Act twice a year. Every value was under legal and voluntary thresholds. Takamisawa Electric Co., Ltd. Shinshu Plant locates next to Chikuma Tsushin Industry Co., Ltd. Main Plant and holds joint surveys with them.

Item	Unit	Legal Threshold	Voluntary Threshold	Result	
Noise	Morning, evening	dB	--	70	49
	Noon	dB	--	70	54
	Night	dB	--	65	47
Vibrations	Day time	dB	--	70	36
	Night Time	dB	--	65	35
Sewerage	Hydrogen-ion concentration (pH)	-	5.0 - 9.0	6.0 - 8.4	7.7
	Biochemical oxygen demand	mg/l	600	540	66
	n-hexane extraction (mineral oil)	mg/l	5	4.5	Less than 1.0

Note : Takamisawa Electric Co.,Ltd. locates outside of the area where Noise Regulation Act is applied.

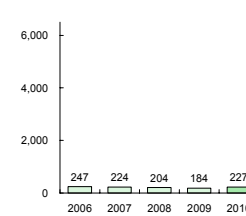
Self-survey found chlorine organic compound exceeded the threshold values in 1998. We stopped using objective chemicals and have been going on soil cleaning and monitoring through observation well. We confirmed that the value measured at the observation well at boundary of the site, which is located at downstream of underground water vein, in FY2010 is within the threshold. We will keep conducting those actions in FY2011.

Item	Unit	Legal Threshold	Result (Max value in the site)	Result (At observation well located at downstream side of ground water)	
Measurement based on Soil Contamination Countermeasures Act	Tetrachloroethylene	mg/l	0.1	40	0.0075
	Trichloroethylene	mg/l	0.3	2.4	Less than 0.005
	Cis-1,2-dichloroethylen	mg/l	0.4	2.8	Less than 0.005

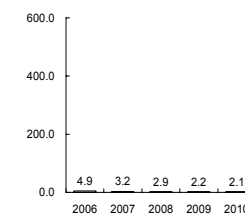
Note : Legal threshold is under 2nd elution standard of Soil Contamination Countermeasure Act.

■ Environmental Load Data

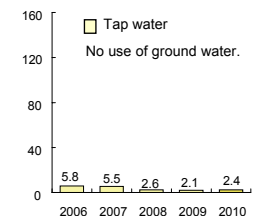
■ CO₂ Emissions (unit: t-CO₂)



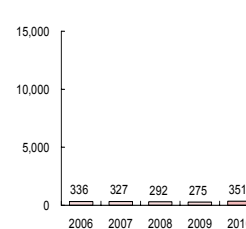
■ Wastes (unit: tonne)



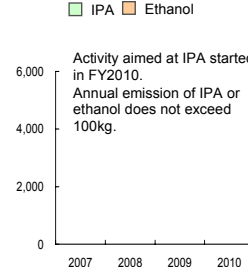
■ Water Usage (unit: km³)



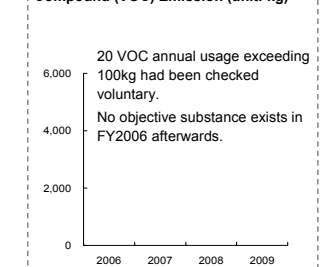
■ Electrical Power Consumption (unit: KWh)



■ IPA & Ethanol Emissions (unit: kg)



◆ (Reference) Volatile Organic Compound (VOC) Emission (unit: kg)



■ Details (6) FUJITSU COMPONENT LIMITED Head Office

■ FY2010 Targets and Achievements (Incl. Tokai and Osaka Sales Office, TEC CO., LTD.)

Item	Aim	Target	Result	Status
Improvement of environmental value of products and services	More than 30% of newly developed Green Products shall be Super Green Products by the end of FY2012. Sales of those products shall be proceeded.	(Development group) min.1 Super Green Product, shall be developed. (Sales group) Monitor sales results, conduct environmental educations twice to support sales activities and conduct enlightenment program.	(Development group) 1 product (wireless module MBH7WLZ23) was registered as Super Green Products. (Sale group) Conducted 2 educations and an enlightenment program.	Done
	Establish calculation method of eco-efficiency factor and LCA, and achieve the factor 1.2 on the newly designed Green Products by the end of FY2012 compared with FY2008 products.	Establish calculation method of eco-efficiency factor and LCA and settle the factor value.	The factor value were settled with each product family.	Done
Promotion of environmental and social contributions	Contribute to social activities in local community at least once a year.	Implement min.1 contribution to society.	1 activity.	Done
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Conduct surveillance for establishing activities and conduct enlightenment.	2 activities.	Done

■ FY2011 Aims and Targets (Incl. Tokai and Osaka Sales Office and Tec Co., Ltd.)

Item	Aim	Target
Improvement of environmental value of products and services	More than 30% of newly developed Green Products shall be Super Green Products by the end of FY2012. Sales of those products shall be proceeded.	(Development group) min.1 Super Green Product shall be developed. (Sales dept) Monitor sales result, conduct environmental educations twice to support sales activities and conduct enlightenment program.
	Establish calculation method of eco-efficiency factor and LCA, and achieve the environmental efficiency factor of 1.2 on the newly designed Green Products by the end of FY2012 compared with the products developed in FY2008.	Eco-efficiency factor of 1.2 shall be achieved on all green products.
Environmental and social contribution	Contribute to social activities in local community at least once a year.	Implement min.1 contribution to society and proceed the awareness-raising for environmental and social contribution.
Promotion of biodiversity conservatory activities	Promote diffusion and edification activities for biodiversity conservatory.	Conduct min.1 activity relating to biodiversity conservatory.

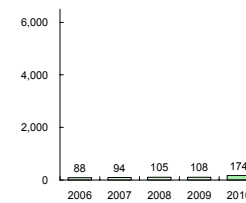
■ Details (6) FUJITSU COMPONENT LIMITED Head Office

■ Status of Environmental Laws Compliance

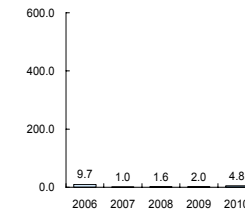
We obtain information about enactment and revision of regulations relating to head office and sales offices regularly. *Waste Management and Public Cleansing Law, Act for Recycling of Specified Kinds of Home Appliance and Act for Collection and Fracture of Freon* shall be applied for equipment disposal. Also according to Energy Saving Act revised on 2009, FUJITSU COMPONENT LIMITED Head Office and R&D Center were designated as a specified company and we have assigned the specific appointments and provided reports required. Compliance with the environmental laws are confirmed every quarter and ensure it through Fujitsu Group internal audit and external audit.

■ Environmental Load Data

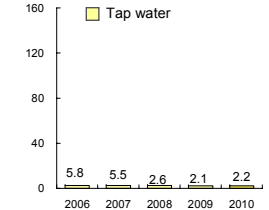
■ CO₂ Emissions (unit: t-CO₂)



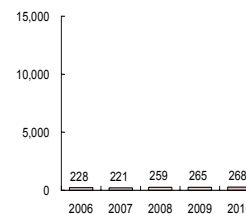
■ Wastes (unit: kg)



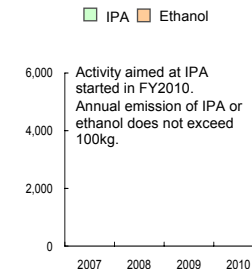
■ Water Usage (unit: km³)



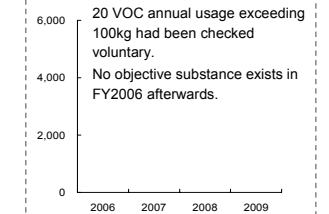
■ Electrical Power Consumption (unit: MWh)



■ IPA & Ethanol Emissions (unit: kg)



◆ (Reference) Volatile Organic Compound (VOC) Emission (unit: kg)



■ List of Super Green Products

■ List of Super Green Products

A Super Green Product is a products or system selected from Green Products, which complies with environmental assessment, and is at top result product in 3R design and/or environmental contribution and superior compared with other companies' products in market or our own products. .

(Note) Evaluation of Super Green Products is at the date of approval date.

Product	Series or product name	Approval	Main Features
Relay	FTR-K3L	Mar. 2011	No standby power (latching). Lead free soldering. REACH conforming (as of the end of Mar. 2011).
	FTR-J2	Mar. 2010	10A-450VDC rating, reduced power consumption, weight and volume.
	FTR-K1L	Mar. 2010	No standby power required (latching), improved shock resistance three times (in comparison with equivalent products from other suppliers)
	FTR-V1	Mar. 2010	No standby power required (latching).
	FTR-K2W	Aug. 2009	Reduced volume. Reduced standby power consumption by setting of hold voltage.
	FTR-F1L	Mar. 2009	No standby power (latching).
	JSL	Mar. 2008	Lower profile with low power consumption among 8A rating relays.
	FTR-H3	Apr. 2010	Improved silence and low profile (19mm)
Connector	88 straight jack	Feb. 2010	Reduced occupied volume by 20.9%.
	07J for DDR3	Mar. 2010	reduced temporary-joint piece-parts.
	360 right angle plug FCN-365P	Mar. 2010	Reduced weight.
	260S	Mar. 2009	Reduced the total piece-parts quantity by 36%.
	10Gbps test board (4X, 12X)	Oct. 2008	Reduced volume by 24% (12X). Employed coaxial connector reusable construction (4X, 12X).
	FCU-010M 10GECX electrical transceiver module	Dec. 2004	Saved energy (max. operating power 3W)
Pointing Device / Keyboard	N01B-4824-B811/20	Feb. 2010	Saved standby energy by approx. 50%.
	FKB1618	Mar. 2009	Reduced weight by 20%.
Thermal Printer	FTP-627MCL411-R	Mar. 2010	Reduced power consumption and increased printing speed.
	FTP-63AMCL401-R	Mar. 2009	Reduced volume by 24%.
	FTP-627MCL401/601	Mar. 2008	Reduced weight by 44% and volume by 35% (smallest in the market).
Touch Panel	multi-input touch panel	Mar. 2010	Reduction of piece-parts quantity and elimination of PFOS (Persistent organic pollutant) contained piece-parts.
	Touch panel with cushion	Mar. 2009	Reduction of piece-parts quantity and elimination of PFOS (persistent organic pollutant) contained piece-parts.
KVM switch	Drawer (custom)	Mar. 2011	Reduced power consumption at work by 36%. Reduced power consumption at stand-by by 80%. Lead free soldering. International Energy Star Program Ver.5.0 technology approved.
	NC14004-B291-R KVM 8 port	Mar. 2010	Reduced weight and volume
	IP remote power controller	Mar. 2009	Enables to remote control of equipment's power consumption by 1W.
Wireless Module	MBH7WLZ23	Mar. 2011	Reduced power consumption at stand-by by 41%. Miniaturization in top result. Halogen free printed circuit board.
	MBH7BTZ39 Bluetooth® module	Mar. 2010	Reduced the number of piece-parts and weight and volume.
	MBH7BWZ04 Combo module	Feb. 2010	Reduced weight and volume.
Others	UWB flexible antenna	Mar. 2007	Reduced volume by 87.5%.

■ Component Solutions for Green Systems

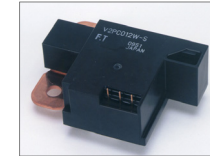
■ Component solutions for Green Systems

Smart Power Strip



Monitoring power consumption in 1W promotes energy saving. (Jointly developed with FUJITSU LABORATORIES INC.)

FTR-V2



250VAC-100A latching relay with low heat generation on closed contact for power switching of smart meter..

Powerbar and Plug



Built-in arc quenching and mechanical switch increase the safety of 400VDC-10A outlet for DC distribution system. (Jointly developed with NTT FACILITIES,INC)

FTR-J2



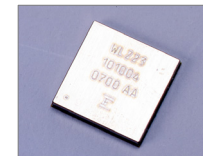
450VDC-10A PCB type relay for high voltage DC switching, built in magnetic arc quenching reduces contact wearing and welding.

IP Remote Power Controller

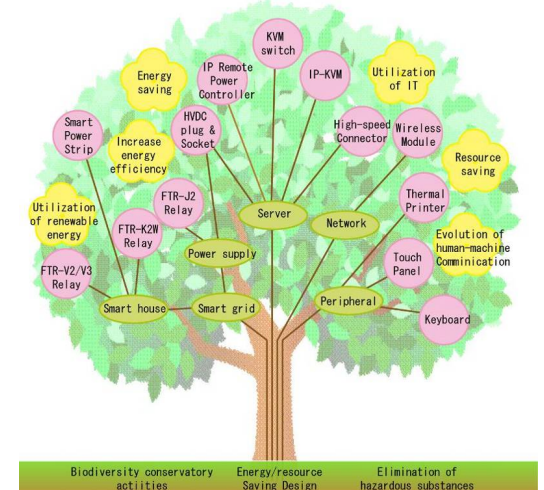


Power monitoring and control of equipment through network contribute to CO₂ reduction.

Wireless module



The narrowing of the circuit pattern reduced mounting space by 73% as well as total power consumption.



■ Reference

■ Fujitsu Group Environmental Policy

■ Philosophy

The Fujitsu Group recognizes that global environmental protection is a vitally important business issue. By utilizing our technological expertise and creative talents in the ICT industry, we seek to contribute to the promotion of sustainable development. In addition, while observing all environmental regulations in our business operations, we are actively pursuing environmental protection activities on our own initiative. Through our individual and collective actions, we will continuously strive to safeguard a rich natural environment for future

■ Principles

- We help customers and society reduce the environmental impact of their business activities and improve environmental efficiency with advanced technologies, ICT products and solutions.
- We proactively promote environmentally conscious business activities to help the environment and economy coexist harmoniously.
- We strive to reduce the environmental impact of our ICT products and solutions throughout their entire lifecycle.
- We are committed to conserving energy and natural resources, and practice the 3Rs approach (reduce, reuse and recycle) to create best-of-breed eco-friendly products and solutions.
- We seek to reduce risks to human health and the environment from the use of chemical substances and waste.
- We disclose environment-related information on our business activities, ICT products and solutions, and we utilize the resulting feedbacks to critique ourselves in order to further improve our environmental programs.
- We encourage our employees to work on global environmental conservation such as tackling climate change and preservation of biodiversity through their business and civic activities to be role models in society.

Revised on April 2011
President of Fujitsu Limited

■ (Reference) Fujitsu Components Group Companies

Company	Location	Business activities	Share	Consolidated	Other information
FUJITSU COMPONENT LIMITED	Shinagawa-ku, Tokyo	Head office, Development, Sales	-	-	Engineering & Development Center (Suzaka-shi, Nagano), Sales offices (Nagoya, Osaka, Fukuoka)
SHINANO FUJITSU LIMITED	Iiyama-shi, Nagano	Manufacturing, Sales	100%	Consolidated	
MIYAZAKI FUJITSU COMPONENTS LIMITED	Nichinan-shi, Miyazaki	Manufacturing, Sales	100%	Consolidated	Obi Plant (Nichinan-shi, Miyazaki), Hidakajima Plant (Nichinan-shi, Miyazaki)
CHIKUMA TSUSHIN INDUSTRY CO., LTD.	Saku-shi, Nagano	Manufacturing, Sales	100%	Consolidated	Nozawa Plant (Saku-shi, Nagano)
TAKAMISAWA ELECTRIC CO., LTD.	Shinagawa-ku, Tokyo	Manufacturing, Sales	100%	Consolidated	Shinshu Plant (Saku-shi, Nagano)
TEC CO., LTD.	Shinagawa-ku, Tokyo	Sales	100%	Consolidated	Sales offices (Nagoya, Osaka)
FUJITSU COMPONENT (MALAYSIA) SDN., LTD.	Johor, Malaysia	Manufacturing, Sales	100%	Consolidated	
FUJITSU COMPONENTS (CHANGZHOU) CO., LTD.	Changzhou, China	Manufacturing, Sales	100%	Consolidated	
QINGDAO KOWA SEIKO CO., LTD.	Qingdao, China	Manufacturing, Sales	100%	Not consolidated	Since August 2008
FUJITSU COMPONENTS AMERICA INC.	Sunnyvale, CA, USA	Sales	100%	Consolidated	Branches (Chicago, Boston, Irvine)
FUJITSU COMPONENTS EUROPE B.V.	Amsterdam, the Netherlands	Sales	100%	Consolidated	Branch (Paris)
FUJITSU COMPONENTS ASIA PTE LTD	Singapore	Sales	100%	Consolidated	Branch (Taipei)
FUJITSU ELECTRONIC COMPONENTS (SHANGHAI) CO., LTD.	Shanghai, China	Sales	100%	Consolidated	
FUJITSU COMPONENTS HONG KONG CO., LTD.	Hong Kong, China	Sales	100%	Consolidated	

TOCHIGI TEC CO., LTD. and TOGAKUSHI DENSHI CO.,LTD. were merged with SHINANO FUJITSU LIMITED in last fiscal year and TRANS TOUCH TECHNOLOGY INC. was exempted from equity method affiliate at March 31,2011.

■ Contact

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Published: August 26, 2011
Fujitsu Component Limited Engineering & Development Center
Environmental Management Department, Quality Assurance Group

Edited: MARCOM Dept, Marketing Division

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