

# Targets and Results for the Fujitsu Group Environmental Protection Program (Stage VI)

Fujitsu instituted a new action plan for the period from FY 2010 through FY 2012 and aims to achieve its goals while practicing the PDCA cycle steadily.

## Setting up an Action Plan and Targets for the Period from FY 2010 through 2012

In April 2010, we created the Fujitsu Group Environmental Protection Program (Stage VI) to run from FY 2010 to the fiscal year ending March 31, 2013 (FY 2012).

The program is based on the three targets established in the Green Policy 2020 and defines six key areas: strengthening advanced green ICT R&D, improving the environmental value of products and services and strengthening the development and provision of green ICT, strengthening efforts to reduce the environmental burden from the Group itself, strengthening our foundation for environmental management, promoting activities that make environmental contributions to society, and promoting

activities that conserve biodiversity. Moreover, we have established a further 18 items to serve as specific program targets.

## All FY 2010 Targets Achieved

We succeeded in achieving all of the targets set in the Fujitsu Group Environmental Protection Program (Stage VI) for FY 2010.

Furthermore, since we achieved results significantly better than the targets for certain of the items (R&D on advanced green ICT, environmental efficiency factors, renewable energy, CO<sub>2</sub> reduction in distribution and transportation), we raised the targets.

We will continue to use the PDCA cycle and work toward the FY 2012 goals.

**WEB** Targets of Fujitsu Group Environmental Protection Program (Stage VI) <http://www.fujitsu.com/global/about/environment/management/program/stage6/>

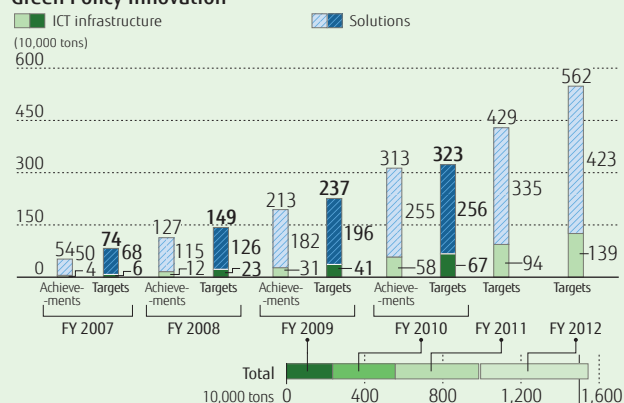
Fujitsu Group Environmental Protection Program (Stage VI)

Green Policy 2020 Three Targets	Action Plan Item	Item Breakdown	Targets (FY 2010)	Performance (FY 2010)	Targets (FY 2011)	Targets (FY 2012)	Status	Related Pages
Benefiting customers and society	Strengthening advanced green ICT R&D	Strengthen advanced green ICT R&D •Develop technologies for next-generation datacenters and networking that will double overall efficiency of ICT products by end of FY 2012. •By end of FY 2012, more than 70% of all technology developed will be solutions for reducing the burden on the environment.*	•1.2 times •25%	•1.3 times •58%	•1.5 times •60%	•2 times •70%	✓	P43-
		Develop & deliver green ICT to contribute to customers and society. Provide green ICT that will reduce cumulative CO <sub>2</sub> emissions by 15 million tons over FY 2009-12 period.	5.26 million tons	5.60 million tons	9.55 million tons	15 million tons or more	✓	P38
	Improving the environmental value of products and services, and enhancing the development and delivery of green ICT	Develop and provide Eco-friendly products (Super Green products). With respect to newly developed green products in all departments, Super Green products that contribute to reduced environmental footprints through low energy and resource demands must comprise 30% by end of FY 2012.	10% or more	17%	20% or more	30% or more	✓	P45-
		Develop and provide Eco-friendly products (environmental efficiency factors). With respect to newly developed green products in all departments, the environmental efficiency must be raised to 4.0 times the FY 2008 value by end of FY 2012.*	Raise to 1.5	Raise to 3.2	Raise to 3.5	Raise to 4.0	✓	P45
		Promote product recycling. Sustain 90% resource reuse rate of business ICT equipment globally at Fujitsu recycling centers.	Sustain 90%	93.3%	Sustain 90%	Sustain 90%	✓	P49-
		Develop and provide environmental solutions. •Promote the development and provision of environmental solutions in all areas, including industry, transport, business, households, and energy conversion sectors. •Expand provision of environmental solutions in major regions, including Japan, Europe, Americas, and Asia/Pacific.	Departmental and regional coverage rate: 70%	Departmental and regional coverage rate: 78%	Departmental and regional coverage rate: 85%	Departmental and regional coverage rate: 100%	✓	P53-
Pursuing internal reforms	Enhancing efforts to reduce the Fujitsu Group's environmental footprint	Reduce greenhouse gas emissions. Reduce total greenhouse gas emissions associated with manufacturing globally to 6% below FY 1990 levels by end of FY 2012 (CO <sub>2</sub> : 5% reduction, other greenhouse gases: 20% reduction).	2.5% reduction	11.7% reduction	3% reduction	6% reduction	✓	P55-
		Reduce greenhouse gas emissions (renewable energy) Increase use of renewable energy sources to 10 times FY 2007 levels by end of FY 2012.*	2.7 times	4.8 times	10 times	10 times	✓	P55-
		Reduce CO <sub>2</sub> in transport and distribution. Reduce CO <sub>2</sub> emissions from domestic transport to 15% below FY 2008 levels by end of FY 2012.*	9% reduction	18% reduction	16% reduction	15% reduction	✓	P62
		Promote business partners greenhouse gas reduction. Promote procurement from business partners that limit or reduce greenhouse gas emissions.	60% materials suppliers procurement rate ("no. of companies" rate)	62.7%	80%	100%	✓	P61

## Green Policy Innovation—Achievements in Reducing CO<sub>2</sub> Emissions

Since FY 2007, the Fujitsu Group has been promoting the environmental burden reduction project by Green ICT, Green Policy Innovation. In FY 2009, Fujitsu set a global target of cutting CO<sub>2</sub> emissions by more than 15 million tons over a four-year period from FY 2009 to 2012. During FY 2010, we exceeded our targets and contributed to a total CO<sub>2</sub> reduction of 3.23 million tons, comprising 0.67 million ton from providing Green Policy Products, which are eco-friendly ICT infrastructure products, and 2.56 million tons from providing Green Policy Solutions, which are ICT solutions that contribute to reducing environmental burdens for a cumulative total of 5.6 million tons from FY 2009.

## CO<sub>2</sub> Emissions Reduction Targets and Achievements through Green Policy Innovation



Green Policy 2020 Three Targets	Action Plan Item	Item Breakdown	Targets (FY 2010)	Performance (FY 2010)	Targets (FY 2011)	Targets (FY 2012)	Status	Related Pages
Enhancing efforts to reduce the Fujitsu Group's environmental footprint		Factory improvements (chemicals) Reduce output of priority chemicals to 10% below FY 2007 levels by end of FY 2012.	4% reduction	48% reduction	7% reduction	10% reduction	✓	P58
		Factory improvements (waste) •Reduce waste generation to 20% below FY 2007 levels by end of FY 2012. •Maintain zero waste emissions at factories in Japan.	•11% reduction •Status maintained	•20.1% reduction •Status maintained	•13% reduction •Status maintained	•20% reduction •Status maintained	✓	P57-
		Office improvements Achieve four-star rating or better under the Green Office plan for every office by end of FY 2012.	Japan: trials using new standard Internationally: field survey	Japan: trials using new standard Internationally: field survey (completed)	Japan: 70% Internationally: draft evaluation standards	Japan: 100% Internationally: trial implementation	✓	P60
Pursuing internal reforms	Strengthening environmental governance	Continuously improve globally integrated environmental management systems. •Promote further ICT deployment for environmental management, build smart environmental management systems. •To improve environmental performance, by the end of FY 2012 we intend to apply a framework of assessments for the extent of target achievement and the compliance situation of 100% of Group main domestic production companies.	•Customization and trial of remote communications •Establishment of performance assessment procedures	•Trial implementation •Performance assessment procedures established	•Block application rate: 50% •Trial implementation	•Block application rate: 75% •Expand as far as domestic manufacturing group companies	✓	P66-
		Promote environmental management through communications with stakeholders. Promote environmental communication at all levels to improve environmental management.	Improved communication of environmental information	Both internal and external information dissemination improved	Improved communication of environmental information	Improved communication of environmental information	✓	P69
Preserving biodiversity	Promoting environmental contributions to society	Increase environmental awareness among all staff through community-based environmental actions. •Launch Act-Local-System by end of FY 2010 to globally share information on social contribution activities around the world. •Sustain environmental social contributions activities around the world and promote activities that will contribute more to local communities through utilizing Act-Local-System.	•Construction and management of a domestic network, Construction and management of an international network •Japan: once a year Internationally: once every three years	•Network implementation •Japan: Implemented at all business sites Internationally: implemented at 54% of business sites	•Management of the domestic network, Management of the international network •Japan: once a year Internationally: once every three years	•Management of the domestic network, Management of the international network •Japan: once a year Internationally: once every three years	✓	P65
		Reduce impact of company's operations on biodiversity. •Develop numerical indicators to measure impact of operations on biodiversity and build system to expand contribution of ICT to reducing that impact. •Promote procurement from business partners that work to preserve biodiversity.	•Construction of the Fujitsu Group BD integration index to evaluate impact on biodiversity •60% materials suppliers' procurement rate ("no. of companies" rate)	•Completion of numerical indicator development •60.9%	•1.5% reduction in level of impact (in main business areas) compared to FY 2009 as evaluated by the BD integration index •80%	•3% reduction in level of impact (in main business areas) compared to FY 2009 as evaluated by the BD integration index •100%	✓	P63-
Preserving biodiversity	Promoting efforts to preserve biodiversity	Contribute to community-building that conserves biodiversity. •Build case studies that contribute to biodiversity through ICT in all major offices by end of FY 2012. •Conduct biodiversity preservation/education programs in all offices by end of FY 2012.	•Implementation of survey to construct a model to contribute to biodiversity •Japan: once a year Internationally: once every three years	•Survey implementation •Japan: Implemented at all business sites Internationally: implemented at 30% of business sites	•Pilot project based on survey results •Japan: once a year Internationally: once every three years	•Development at main business sites •Japan: once a year Internationally: once every three years	✓	P63-

\* Target values were increased.