Fujitsu Environmental Protection Program (Summary)

The Fujitsu Environmental Protection Program (2nd edition) defines concrete targets for implementing “Fujitsu's Commitment to the Environment.” The following table shows both targets and results for fiscal 1999, as well as targets for fiscal 2000.

Targets

Item	Target	Fiscal 1999		Fiscal 2000 target	See page
		Target	Result		
Environmental management system	Establish and implement environmental management system in plants and offices (including development and service) based on the ISO standard by the end of fiscal 2000	2 offices should be certified as development/ service offices	2 offices certified (achieved)	—— *1	9
Product recycling	Attain a recycling rate of 90% on collected waste products by the end of fiscal 2000	90%	90% (achieved)	90%	17
Industrial waste cuts	Industrial waste output to be cut 80% by the end of fiscal 2000 based on fiscal 1991 results	83% reduction	85% reduction (achieved)	*2 88% reduction	23
Reduction of release of chemicals	Release of chemicals to be cut 20% by the end of fiscal 2000 based on fiscal 1995 results	17% reduction	17.3% reduction (achieved)	20% reduction	25
Energy-saving measures (against global warming)	Sales-based electricity consumption per unit to be cut 20 to 30% by the end of fiscal 2000 based on fiscal 1990 results	34% reduction	35.8% reduction (achieved)	*2 40% reduction	27

*1: Since targets have already been achieved, no target is set for fiscal 2000.
*2: Since the original industrial waste-cuts and energy-saving targets had already been met by the end of fiscal 1998, the targets for fiscal 2000 have been raised.

Major Concrete Measures for Attaining Targets

Environmental Management System

1. Introduction of ISO 14001

- Establishment and steady implementation of system through arrangement of common specifications
- Share of know-how on system establishment and implementation
- Verification of system effectiveness and enhancement of environmental performance by internal audits
- Assessments to determine the environmental impacts of products and within plants

Product recycling

1. Measures for environmental protection in product development and design stages

(1) Promotion of the development of Green Products (environmental conscious products)

- Establishment of concepts and promotion for developing Green Products
- Improvement in environmental ”consciousness“ of products based on the results of Product Environmental Assessment
- Improvement of recycling rates

(2) Introduction of life cycle assessment (LCA)

- Establishment of basic LCA
- Application to development of Green Products

(3) Development of packaging technologies (including returnable containers) considering recycling

(4) Self-imposed control of usage of hazardous substances

- Risk assessment and management
- Support of product design by guidelines

2. Promotion of environmentally conscious procurement

- Active procurement of environmental friendly material, parts,and products

3.Collection and recycling of waste products

- Setting up of recycling centers all over the country
- Establishment of waste products disassembly procedure

Industrial Waste Cuts

1. Waste cuts

- Review of standards for disposing waste oil, and control of oil usage
- Enrichment of organic alkalic wastewater by decompression

2. Effective utilization of waste

- More effective reuse of valuable metals contained in sludge, developer, and plating liquid

3. Maintenance and practical use of waste reduction manuals and casebooks

Reduction of Release of Chemicals

1. Reduction in chemicals used in and released from plants

- Establishment of release reduction technologies
- Reduction in usage by improving use of chemicals

Energy-saving Measures

1. Promotion and introduction of energy-saving technologies and equipment in plants and offices

- Introduction of new equipment and development of technologies for energy-saving
- Development of manufacturing equipment and processes based on energy-saving technologies
- More efficient use of energy

2. Exchange of energy-saving technologies and know-how between plants and offices

3. Establishment of measures and systems for accurate grasp of energy usage