## Interplay between Business Activities and Environmental Impact

Fuji Electric is constantly working toward more efficient use of resources and energy and the reduction of waste throughout all of its business activities. We are also proactive in our efforts to be more environmentally conscious across the entire product and service lifecycle.

Mapping the Interplay between Business Activities and Environmental Impact

Scope: Production Bases in Japan **INPUT Energy Consumption** PRTR-designated Substances Handled Water Consumption (Million kilo watt hours) (1,000 kilo liters) (Tons) (Kilotons) 30,000 600 8,000 5.781 5,592 55.7 191.64 **188.29** 6,000 20,000 49.4 400 48.0 4,000 10,000 200 2,000 0 0 0 0 2011 2012 2010 2011 2012 2010 2011 2012 Electrical Energy (left) Fossil Fuel Energy (crude-oil equivalent) (right) Fuji Electric Main Materials (Tons) Operational sites Logistics, Ferrous 47,600 Customers sales, Research and Manufacture and Products Procure Non-ferrous 7,500 development assembly ment services Plastic 3,500 Eco-friendly Energy saving, chemical products product procurement substance management, Rubber, other 1,100 . development zero waste emissions Recycling OUTPUT CO<sub>2</sub> Emissions **Emissions of PRTR-designated Substances Wastewater Emissions** (Kilotons of CO<sub>2</sub>) (Kilotons) (Tons) 250 300 8.000 192 200 163 159 196 190 6,000 4.509 200 4.176 150 4.000 100 100 2,000 50 0 0 2012 (FY) 2011 2012 (FY) 2010 2012 (FY) 2010 2011 Waste Recycled\*2 Greenhouse Gas Amount of Industrial Waste Industrial Waste Sent to Emissions Other than CO<sub>2</sub> Landfills\*2 (GWP\*1kt) (Tons) 88 100 30,000 100 25.000 18,817 76 20,464 16,897 66 19.826 20.000 16,116 19.585 75 75 20,000 48 15,000 45 42 50 50 10,000 10,000 25 25 5,000 2010 0 2010 2011 0 0 2011 2012 \*1 GWP: Global Warming Potential. A measure of the relative greenhouse effect **Emissions of Other Substances with Environmental Impact** caused by a gas, compared with the effect of CO2, which is assigned a GWP

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2.7

0.2

\*2 The amount of waste sent to landfill and the recycle amount are internal figures

\*3 Indices for showing the degree of pollution of water. BOD: Biological Oxygen

from the amount of waste generated.

Demand; COD: Chemical Oxygen Demand.

4.1

0.6

2.3

COD\*3

Nitrogen

Phosphorus

(Tons)

NOx

SOx

BOD\*3