

The Eco Balance data on environmental impact caused by overall business activities are utilized for establishing long-term targets and environmental action plans.

To effectively reduce the impact of processes with a larger environmental impact on a priority basis, the Ricoh Group identifies the environmental impact of overall business activities and per process using Eco Balance.¹ Eco Balance shows the numerical data of all environmental impact caused by business activities, such as effects on human health, resource depletion and effects on the ecosystem. These numerical data were obtained by applying the integrated analysis method² of the data collected by the Sustainable Environmental Management Information System.³ Based on the evaluation of the “integrated environmental impact” that was identified by “the Eco Balance”, “the Year 2010 Long-Term Environmental Goals”⁴ and “the Environmental Action Plan”⁵ are established.

1. Eco Balance means the preparation of a list of input and output data on environmental impact to identify, quantitatively measure, and report environmental impact caused by companies; or such a list itself.

2. Environmental Priority Strategies for Product Design (EPS), developed by the Swedish Environmental Research Institute (IVL) to calculate LCA of products, is used in calculating the Eco Balance of business activities. Under EPS, damage caused by environmental impact on human health, the ecosystem, non-living resources, and biodiversity is converted into financial values using ELU (Environmental Load Unit) as unified indicators ($\text{CO}_2=0.108 \text{ ELU/kg}$, $\text{NO}_x=2.13 \text{ ELU/kg}$, $\text{SO}_x=3.27 \text{ ELU/kg}$, $\text{BOD}=0.002 \text{ ELU/kg}$, etc.).

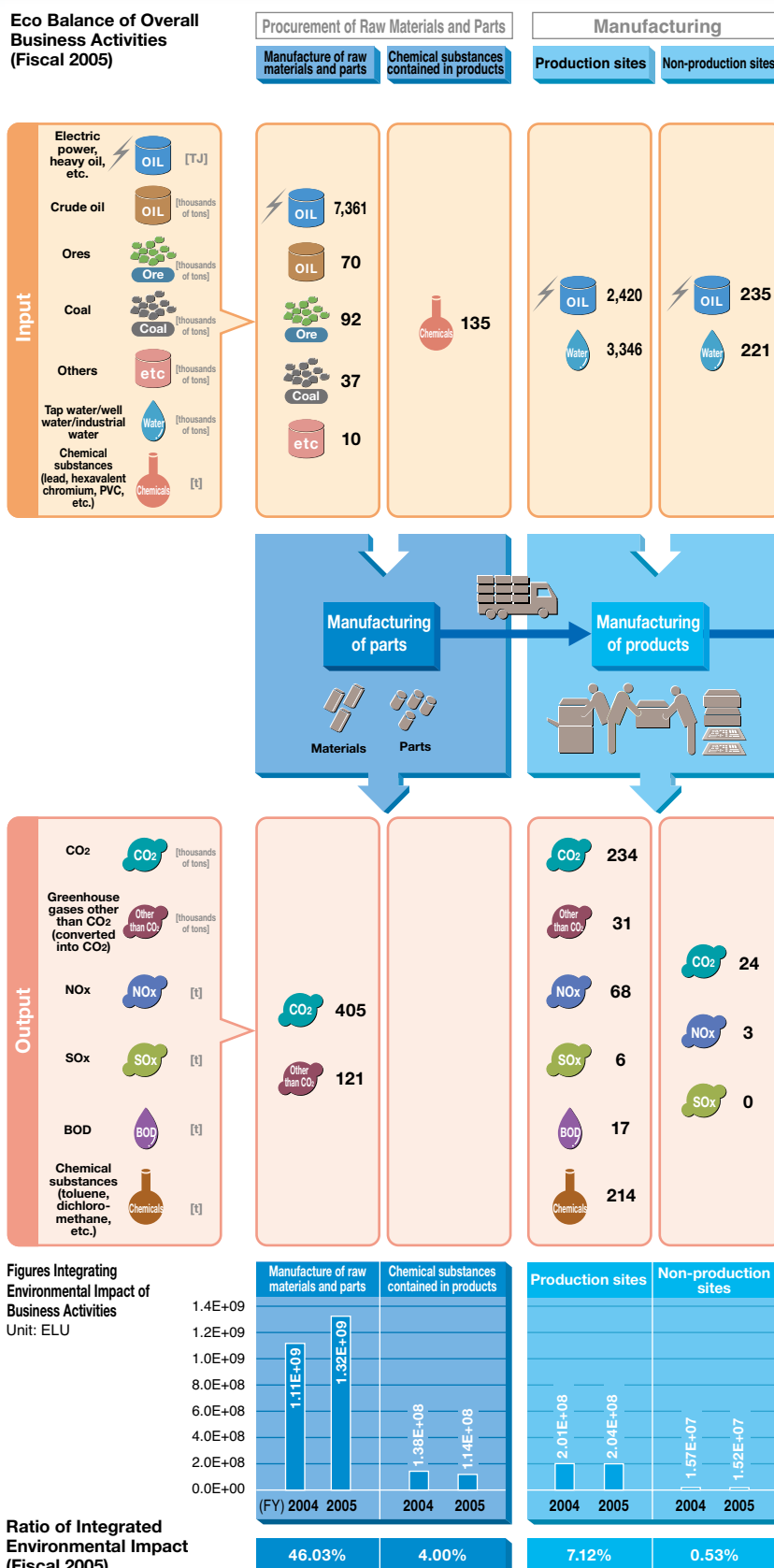
3. See page 51. 4. See page 15. 5. See page 17.

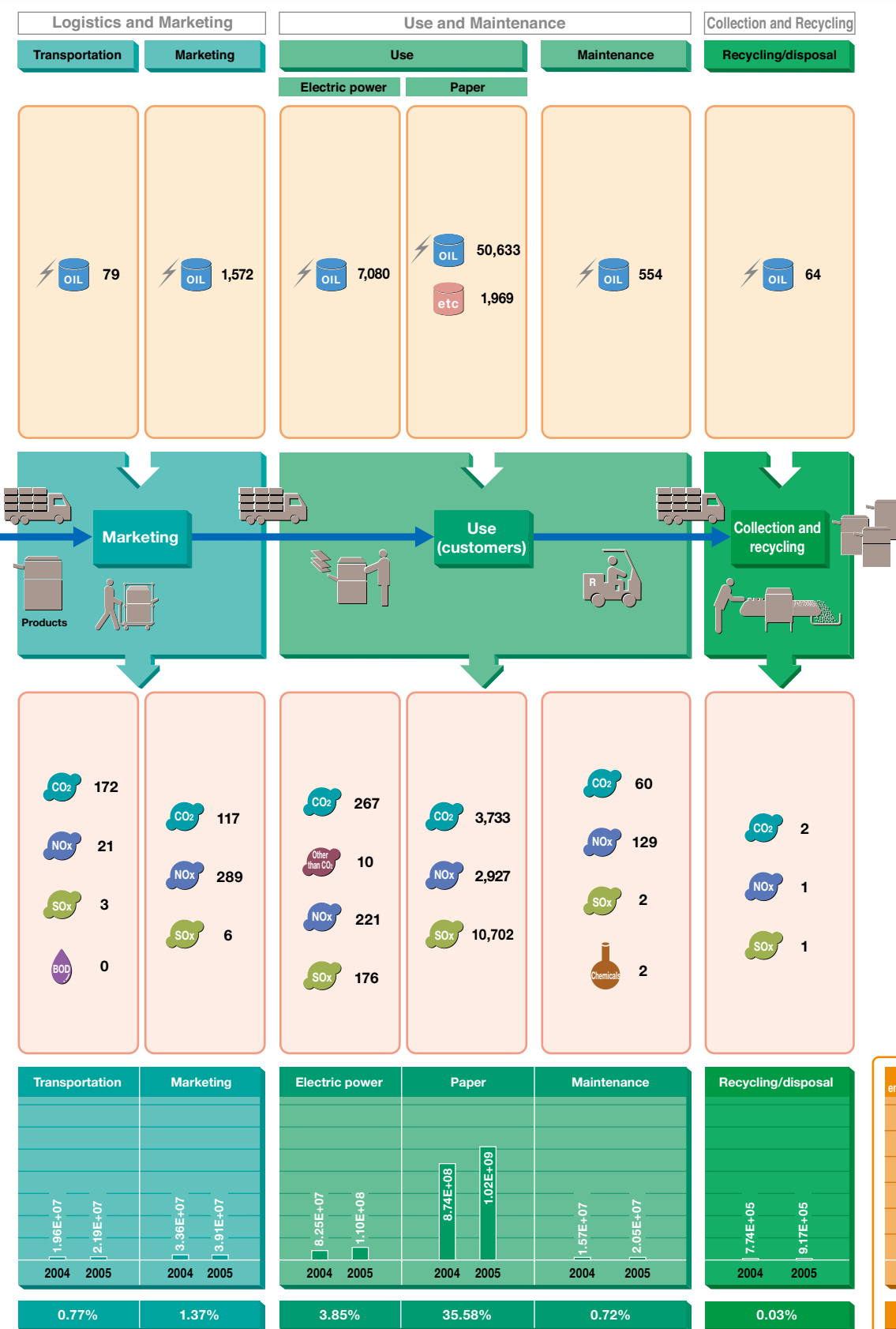
● Review of Fiscal 2005

As a result of the growth of our business activities, the integrated environmental impact produced by the entire Ricoh Group increased from that in the previous year. Major causes of this increase were (1) the investment of resources due to higher sales of color copiers and (2) greater electricity and paper consumption by customers. On the other hand, environmentally-sensitive substances contained in products (lead, hexavalent chromium, etc.) decreased further while an increase in the integrated environmental impact at production sites was controlled more effectively. As in the previous fiscal year, data related to products were collected in imaging system production business in Japan and overseas and the measuring instrument business.

* In response to that which was indicated in a third-party review by BVQI, evaluation results for fiscal 2004 have been modified. The figures for overseas sales and maintenance processes are estimates.

Eco Balance of Overall Business Activities (Fiscal 2005)





"E+n" means "× 10ⁿ"
 (Example) 1.45E+08 = 1.45 × 10⁸