
Material Balance

This page provides an overall picture of the environmental impact of the Casio Group's business activities.

What is a material balance?

A material balance shows the amount of resources used and the amount of materials with environmental impact that are produced (outputs) in business activities from R&D to after-sales collection and recycling (inputs).

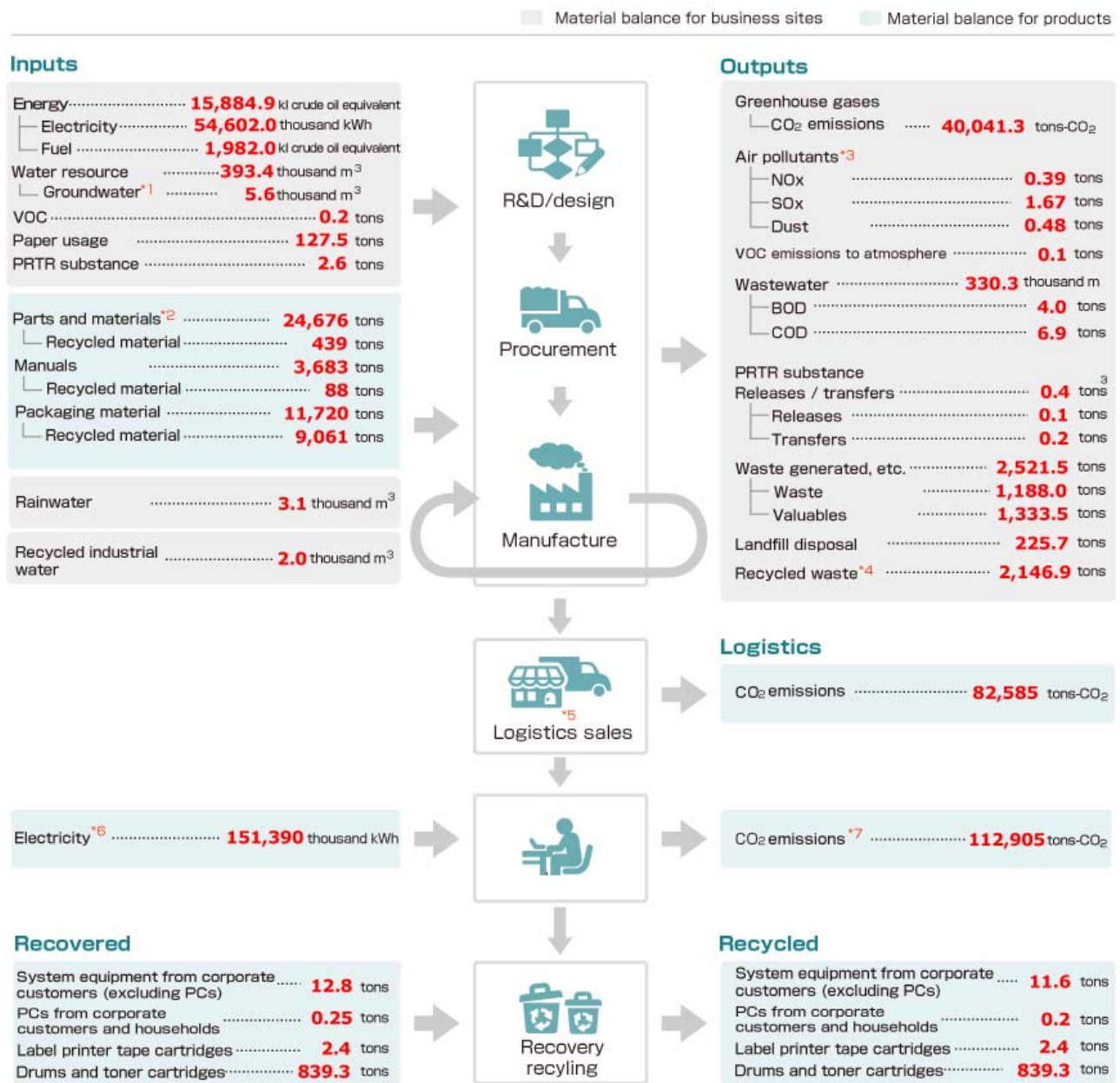
Fiscal 2016 performance

In fiscal 2016, the Casio Group's overall energy input and greenhouse gas emissions rose due the expansion in production which continued from the previous fiscal year. On the other hand, energy use per unit of floor space improved due to the effect of converting lighting to LED and upgrading to high efficiency air conditioning at office sites.

Moreover, although there were inconveniences such as the temporary shift of production to other sites with the 2011 flooding in Thailand, overall environmental efficiency is on an upward trend as full-scale production proceeds at the newly established Thai plant.

The Casio Group is reviewing its system for implementing environmental management, including integration of ISO 14001, under the new organizational structure for CSR and the environment as it continues striving to improve environmental performance while increasing the efficiency of its measures.

Material balance in business activities (fiscal 2016)



*1 Groundwater is included in the water resource inputs.

*2 Parts and materials include consumables, such as toner cartridges.

*3 Ozone depleting substances have been fully phased out.

*4 Recycled waste includes thermally recycled material.

*5 Product distribution is consigned to transportation companies.

*6 Electricity is calculated based on five years of use in accordance with the Scope 3 standards.

*7 CO₂ emissions are calculated based on five years of use in accordance with the Scope 3 standards.

The exchangeable battery amounts used for these calculations are based on general market prices.