

Reducing Waste and Usage of Water Resources

Casio strives to convert waste to valuable resources, and works hard to promote recycling and reuse. Priority efforts include recovering parts for maintenance use from end-of-life products, and improving resource recovery throughout the supply chain.

Waste Reduction Policy

Casio is committed to implementing the “3 Rs” (reduce, reuse, and recycle) and seeks to minimize waste generation and landfill disposal in order to help create a sustainable society.

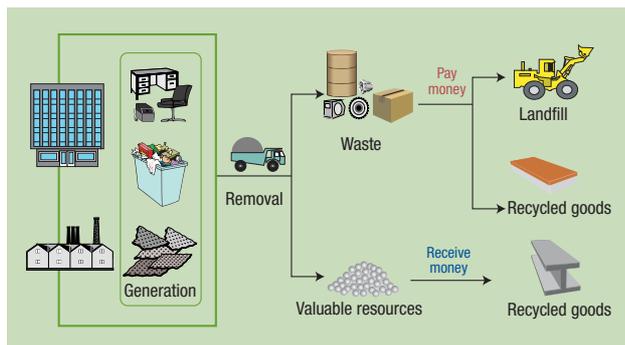
- All Casio business activities include programs designed to reduce the amount of waste generated, to convert what is left to valuable reusable resources, and to ensure zero landfill disposal.
- Casio products feature resource-saving designs based on the 3 Rs to ensure greater reutilization of resources.

Reducing waste generated by business activities

In fiscal 2007, Casio generated 8,417 tons of waste, 4,728 of which came from its Electronic Components segment and 3,689 from its Electronics segment. In response, the group is implementing the following measures to reduce the generation of waste in the Electronic Components segment.

1. Improving the manufacturing process conditions.
2. Increasing production efficiency by improving capital utilization and yield.
3. Reducing the volume of waste through volume reduction processing.
4. Converting waste to valuable resources through complete separation.

In fiscal 2006, Casio Micronics (Yamanashi) installed dehydration waste compacting equipment for reducing the volume of waste alkali liquid. In fiscal 2007, Kochi Casio created 355 tons of valuable reusable resources through separation and recovery of waste stripping liquid.



- Generation of Waste, Volume of Landfill Disposal, and Waste per Unit of Actual Production (all sites in Japan)
- Generation of Waste, Volume of Landfill Disposal, and Waste per Unit of Production (production sites outside Japan)

Reducing waste from products

Recovery of used computers, system equipment, and drum toner modules from corporate customers

Casio is working to reduce waste by recovering used products from customers.

Recovery of consumer products

Casio Business Services operates a growing business in the recovery of parts for maintenance use from products returned by consumers in Japan for various reasons. Before, such returned products were simply disposed of as waste. Since fiscal 2005, the push to recover parts for maintenance use has resulted in a monetary conversion rate*1 of 44.5% and a parts resale rate*2 of 90%.

*1. **Monetary conversion rate:** An index that expresses the ratio of the monetary value of parts from returned products that can be converted to parts for maintenance use to the monetary value of non-repairable parts that cannot be converted.

$$\text{Monetary conversion rate (\%)} = \frac{\text{Monetary value of maintenance parts conversion}}{\text{Monetary value of non-repairable parts}} \times 100$$

*2. **Parts resale rate:** An index that expresses the percentage of parts from returned products that are convertible.

$$\text{Parts resale rate (\%)} = \frac{\text{Number of parts that can be resold in a month}}{\text{Number of products recovered in previous month}} \times 100$$

- Recovery and recycling of used computers and system equipment from corporate customers
- Recovery of used drum toner modules
- Recovery of consumer products

Web Recovery and recycling (in Japanese)
<http://www.casio.co.jp/csr/env/recycle/>

Reducing Usage of Water Resources

In fiscal 2007, Casio used 3,342,000 m³ of water resources. Of this amount, 2,765,000 m³, or about 83%, was used by five electronic component sites—Kochi Casio, Kofu Casio (headquarters), and Casio Micronics (First and Second Plant, Yamanashi)—and two electronics sites—Casio Electronic Technology (Zhongshan) and Jiu Shui Keng Casio Electronics Factory. These sites are making an effort to reduce their usage of water resources by using recycled water. In fiscal 2007, they used 262,900 m³ of recycled water, corresponding to 9.5% of their water usage.

- Usage of Water Resources and Recycled Industrial Water, and Use per Unit of Actual Production (Japan production sites)
- Usage of Water Resources and Recycled Industrial Water, and Use per Unit of Production (production sites outside Japan)
- Usage of Paper