

# Environmental Action Plan (Targets and Performance)

**Under its Environmental Vision 2050, Casio has established Environmental Action Plan targets from a global perspective, and is carrying out environmental activities accordingly. Here are the targets and performance for fiscal 2017, along with the targets for fiscal 2018 based on the current results.**

## Fiscal 2018 Casio Environmental Action Plan

When Casio identified material issues in 2015, it took the opportunity to reconsider its basic approach to setting targets. Based on that review, the Group decided that in the future it would consider, “what roles society expects of Casio,” set medium- and long-term targets as a vision, and then establish annual targets as milestones toward that vision. Based on that approach, Casio overhauled its environmental action targets by taking into consideration coherence between environmentally material issues and KPIs.

First, with respect to the reduction of greenhouse gases (CO<sub>2</sub>) to contribute to the achievement of a low-carbon society, Casio reconsidered the numerical adequacy of its greenhouse gas emissions (CO<sub>2</sub>) published in the past, in order to create a clearer vision for the future, in light of the Paris Agreement coming into effect in November 2016 and the Japanese government’s announcement of new reduction targets. As a result, the Group changed from its past calculation method to one with higher adequacy and recalculated its emissions by country and fiscal year, going back to 2005, and thereupon set its targets.

Next, with regard to “building a recycling society,” Casio set targets focusing on the promotion of recycling through expansion of Casio Green Star Products and Super Green Star Products, which are Casio’s eco products, and focusing on the promotion of recycling in business activities.

With respect to “living in harmony with nature,” considering that Casio has little direct impact on biodiversity due to the nature of its business, it established a target for expanding the use of sustainable paper, which has a large indirect impact in the supply chain. Also, in light of the results of biodiversity assays at its main sites, Casio established a target for carrying out specific measures that will help to grow Casio’s brand value.

Finally, with regard to water resources, about which there is high social concern, the Group did not establish a medium-term target, since water resources were removed from its material issues due to the nature of Casio’s business. However, a target for fiscal 2018 was established due to the actual conditions of business activities at product sites.

## Product Targets

### 1. Medium- and long-term targets

- (1) Achieve a recycling rate of **100%** by fiscal 2031
- (2) Increase Casio Green Star product sales to **70%** of total sales for fiscal 2021

### 2. Targets for fiscal 2018

- (1) Increase Casio Green Star product sales to **60%** of total sales
- (2) Promote development of new Casio Super Green Star products

## Plant and Business-site Targets

### 1. Medium- and long-term targets for greenhouse gas emissions reduction

#### *Long-term target*

To reduce the total volume of global greenhouse gas emissions (scope 1 and 2) from business activities by **80 %** compared to FY2014, by FY2051

#### *Medium-term target*

To reduce the total volume of global greenhouse gas emissions (scope 1 and 2) from business activities by **26 %** compared to FY2014, by FY2031

#### *Targets for fiscal 2018*

To reduce the total volume of global greenhouse gas emissions (scope 1 and 2) from business activities by **8.25 %** compared to FY2014, by FY2018

\* This does not include greenhouse gas emissions from logistics, product usage, or employee travel (scope 3).

### 2. Resource conservation targets (water)

#### *Japan production sites*

Use no more than **56,000** m<sup>3</sup> of water in fiscal 2018

#### *Production sites outside Japan*

Use no more than **421,000** m<sup>3</sup> of water in fiscal 2018

### 3. Waste reduction targets

#### *Medium-term target*

Achieve a recycling rate of **100%** by fiscal 2031

#### *Targets for fiscal 2018*

Investigate the actual status of recycling with such aims as design standardization for rational recycling.

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## Biodiversity Preservation Targets

### 1. Sustainable use of paper

- Use FSC certified paper for **40%** of paper for product catalogs in Japan
- Set specific action themes and commence activities to preserve biodiversity based on the results of biodiversity assays at principal sites in Japan.

Fiscal 2017

Casio Environmental Action Plan Performance

Progress assessment key	
①Target was achieved and a new, higher target was established. . . . .	☆☆☆☆
②Target was achieved. . . . .	☆☆☆☆
③Making progress toward achieving target. . . . .	☆☆☆☆
④Target not achieved. . . . .	☆☆☆☆
⑤Same as or worse than base value. . . . .	▲

	Theme	Target	Base value	Target value	Target achievement progress inFY2017	Status of target achievement	Progress assessment
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Development target for eco-products							
Eco-products	Raise share of Green Star Product sales in total sales.	Maintain Casio Green Star product sales of 50% of total sales.	-	50%	57%	Fully achieved	☆☆☆☆
		Promote development of new Casio Super Green Star products.	-	-	20 models	-	☆☆☆

Plant and business-site targets

Reduction of greenhouse gas emissions over the medium and long term	Reduce greenhouse gas emissions over the medium term.	Reduce the total volume of global greenhouse gas emissions from business activities by 30% by FY2021 compared to FY2006.	47,887 (Tons-CO2)	33,521 (Tons-CO2)	36,682 (Tons-CO2)	Reduced by 23.4%	☆☆
		Reduce greenhouse gas emissions over the long term.	47,887 (Tons-CO2)	6,577 (Tons-CO2)	36,682 (Tons-CO2)	Reduced by 23.4%	☆☆
Energy conservation (electrical power, fuel, etc.)	Reduce energy usage (All sites).	Reduce energy usage (crude oil equivalent kL) by 13 % per unit of total floor space compared to FY2011, by FY2017.	0.0462 (crude oil equivalent kl/m2)	0.0402 (crude oil equivalent kl/m2)	0.0393 (crude oil equivalent kl/m2)	Reduced by 15.4%	☆☆☆
		Reduce water usage (Japan production sites).	65 (Thousand m3)	61 (Thousand m3)	55 (Thousand m3)	Reduced by 14.7%	☆☆☆
Resource conservation (water, paper)	Reduce water usage (production sites outside Japan).	Reduce water usage by 5% compared to FY2011, by FY2017.	428 (Thousand m3)	407 (Thousand m3)	370 (Thousand m3)	Reduced by 13.6%	☆☆☆
		Reduce office paper usage (Japan sites).	71 (Tons)	63 (Tons)	61 (Tons)	Reduced by 13.9%	☆☆☆
	Waste reduction	Reduce generation of waste (Japan sites).	Reduce volume of waste by 4% compared to FY2012, by FY2017.	1,460 (Tons)	1,402 (Tons)	1,487 (Tons)	Increased by 1.8%
Reduce generation of waste (production sites outside Japan).		Reduce volume of waste by 48% compared to FY2011, by FY2017.	791 (Tons)	411 (Tons)	1,457 (Tons)	Increased by 84.2%	▲
Logistics-related global warming countermeasures	Reduce CO2 emissions (*1) (distribution in Japan).	Reduce CO2 emissions volume per unit of sales by 20% compared to FY2011, by FY2017.	-	20%	38.8%	Fully achieved	☆☆☆

(\*1) The scope of target for logistics-related global warming countermeasures is distribution for product sales.

Overall business activity targets

Biodiversity preservation target	Preserve biodiversity and ecosystem services.	Sustainable use of paper · Use FSC certified paper for 30 % of paper for product catalogs in Japan	-	30%	15%	achievement rate 50%	☆
		Ecosystem surveys of sites · Undertake biological diversity surveys on locations of the main sites in Japan.	-	7 Sites	7 Sites	Fully achieved	☆☆☆