

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 2016, along with the targets for fiscal 2017 based on the current results.

Fiscal 2017 Casio Environmental Action Plan

The Casio Environmental Action Plan targets are numerical targets based on total figures for the group as a whole. These targets form the basis for the numerical targets for environmental activities established at individual group companies and worksites. The Casio Environmental Action Plan targets are revised in accordance with and to match changes in the business environment and the business structure or the demands of society.

The deadlines for a number of numerical targets came up in fiscal 2016. Major disparities and overachievement were observed in several areas, showing that there is room for improvements in the methods that have been used to set targets. To set targets for fiscal 2017 and beyond, Casio is taking the time to perform detailed analyses to ensure that targets are appropriate. Meanwhile, Casio will keep the targets that had deadlines in fiscal 2016 the same for fiscal 2017.

The policy is for group companies and sites that achieved their targets for fiscal 2016 to maintain that performance, and for those that did not achieve their targets to keep working to do so.

Product Targets

1. Development target for eco-products

- (1) Maintain Casio Green Star product sales of **50%** 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

Medium-term target

To reduce the total volume of global greenhouse gas emissions from business activities by **30 %** compared to FY2006, by FY2021

Long-term target

To reduce the total volume of global greenhouse gas emissions from business activities by **80 %** compared to FY2006, by FY2051.

* Business activities: This indicates activities of production sites and offices in Japan and overseas (scope 1 and 2), and does not include CO2 emissions from logistics, product usage, or employee travel.

2. Energy conservation targets (electrical power, fuel etc.)

Reduce energy usage (crude oil equivalent kL) by **13** % per unit of total floor space compared to FY2011, by FY2017.
(*)

3. Resource conservation targets (water, paper)

Japan production sites

Reduce water usage by **5** % compared to FY2011, by FY2017.

Production sites outside Japan

Reduce water usage by **5** % compared to FY2011, by FY2017.

Japan sites

Reduce volume of office paper used by **12** % compared to FY2011, by FY2017.

4. Waste reduction targets

Japan sites

Reduce volume of waste by **4** % compared to FY2011, by FY2017.

Production sites outside Japan

Reduce volume of waste by **48** % compared to FY2011, by FY2017.

5. Logistics target for the fight against climate change

Distribution in Japan

Reduce CO₂ emissions volume* per unit of sales by **20** % compared to FY2011, by FY2017.

* Scope covers processes relating to product sales, not including processes relating to materials procurement and recycling

Biodiversity Preservation Targets

1. Sustainable use of paper

- Use FSC certified paper for **30** % of paper for product catalogs in Japan(*)

2. Ecosystem surveys of sites

- Undertake biological diversity surveys on locations of the main sites in Japan(*)

(*)Also specified as a materiality KPI

[KPI formulation and implementation](#)

Fiscal 2015 Casio Environmental Action Plan Performance

Progress assessment key	
①Target was achieved and a new, higher target was established.	☆☆☆
②Target was achieved.	☆☆☆
③Target not achieved, but steady improvement made over previous fiscal year.	☆☆
④Making progress toward achieving target and expect results next fiscal year and beyond.	☆
⑤Same as or worse than base value.	▲

	Theme	Target	Base value	Target value	FY2015 actual value	Target achievement progress in FY2015	Progress assessment
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Product targets

1: Eco-products	Raise share of Green Star Product sales in total sales.	Increase Casio Green Star product sales to 50% of total sales by FY2015.	–	50%	52%	Target was achieved.	☆☆☆
		[Maintain Green Product sales at 80% of total sales or more.]	–	[80% or more]	[87%]	[Target was achieved.]	☆☆☆

Plant and business-site targets

1: 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.	132,213	92,549	38,483	Reduced by 70.9%	☆	
			56,238 (*1)	39,367 (*2)		Reduced by 31.6% (*4)		
				(Tons-CO2)	(Tons-CO2)	(Tons-CO2)		
	Reduce greenhouse gas emissions over the long term.	Reduce the total volume of global greenhouse gas emissions from business activities by 80% by FY2051 compared to FY2006.		132,213	26,443	38,483	Reduced by 70.9%	☆
56,238 (*1)				11,248 (*3)	Reduced by 31.6% (*4)			
			(Tons-CO2)	(Tons-CO2)	(Tons-CO2)			
Figures in blue show adjusted values (*1) for emissions in the base year, taking into account contributions from changes in business structure (including transfers of group companies, etc.), fiscal 2021 target values (*2), fiscal 2051 target values (*3), and actual values (*4), based on the GHG Protocol								
2: 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 FY2016.	0.0428	0.0373	0.0374	Reduced by 12.7%	☆	
			(crude oil equivalent kL/m2)	(crude oil equivalent kL/m2)	(crude oil equivalent kL/m2)			
3: Resource conservation (water, paper)	Reduce water usage (Japan production sites).	Reduce water usage by 5% compared to FY2011, by FY2016	65	61	53	Reduced by 18.1%	☆☆☆	
				(Thousand m3)	(Thousand m3)	(Thousand m3)		
	Reduce water usage (production sites outside Japan).	Reduce water usage by 5% compared to FY2011, by FY2016	428	407	147	Reduced by 65.6%	☆☆☆	
			(Thousand m3)	(Thousand m3)	(Thousand m3)			
4: Waste reduction	Reduce office paper usage (Japan sites).	Reduce volume of office paper used by 12% compared to FY2011, by FY2016	71	63	64	Reduced by 10.4%	☆☆	
				(Tons)	(Tons)	(Tons)		
5: Reduction of volatile organic compounds (*5) (VOCs)	Reduce emissions of VOCs to atmosphere (Japan production site).	Reduce emissions by 45% by FY2016 compared to FY2001.	47	26	0.280	Reduced by 99.4%	☆☆☆	
								(Tons)
6: Hazardous substance phase-out (*6)	Detoxify PCB-containing equipment now in storage as Japan Environmental Safety Corporation starts.	Detoxify all PCBs stored at the Casio Group company in Chuo City, Yamanashi Prefecture by FY2015.	–	–	Completed detoxification of all PCBs stored at a group company in Chuo City, Yamanashi Prefecture	–	☆☆☆	
7: Logistics-related global warming countermeasures (*7)	Reduce CO2 emissions (distribution in Japan).	Reduce CO2 emissions volume* per unit of sales by 20% compared to FY2011, by FY2016	–	Reduce by 20%, by FY2016	61.5% compared to FY2011	Reduced by 38.5% compared to FY2011	☆	

(*5) Achieved targets for three consecutive years (FY2013 to FY2015). Since the input and output amounts are under a ton, it will be excluded from the Environmental Action Plan starting in fiscal 2016.

(*6) PCB detoxification at a group company in Chuo City, Yamanashi Prefecture was completed, and PCB-containing equipment stored at the Hachioji R&D Center is under appropriate storage and being reported based on the PCB Measures Act. Thus, it will be excluded from the Environmental Action Plan starting in fiscal 2016.

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

Overall business activity targets

1: Biodiversity preservation target	Preserve biodiversity and ecosystem services.	Based on the Casio Group Biodiversity Guidelines, commence a biodiversity impact study for products and sites and examine and implement measures, to reduce biodiversity impact by fiscal 2016, which will include procurement.	–	–	–	Performed a preliminary investigation of paper procurement in Japan, and enacted a worldwide Paper Procurement Policy for the Casio Group.	☆
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