

Environmental Action Plan (Targets and Performance)

Casio sets environmental targets and undertakes environmental initiatives for each fiscal year, based on a detailed Environmental Management policy which takes into account the latest global trends.

Fiscal 2010 Casio Environmental Action Plan

Product Targets



1. Development target for eco-products

Increase Casio Green Star product sales to **30%** of total sales by FY2013.

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 fiscal 2006, by fiscal 2021

Long-term target

To reduce the total volume of global greenhouse gas emissions from business activities by **80%** compared to fiscal 2006, by fiscal 2051.

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

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

Japan production sites

Reduce CO₂ emissions per unit of actual production by **35%**, averaged over 5 years from FY2009 to 2013 (compared to FY 1991)

Production sites outside Japan

Reduce CO₂ emissions per unit of production by **30%** by FY2013 (compared to FY 2005)

* Actual production is calculated by adjusting the production output by the Bank of Japan Domestic Corporate Goods Price Index for electronic products, based on the policies of the four main electrical and electronics industry associations in Japan

Japan office sites

Reduce CO₂ emissions per unit by **9%**, averaged over 5 years from FY2009 to 2013 (compared to FY 1991)

Office sites outside Japan

Reduce CO₂ emissions per unit by **3%** by FY2013 (compared to FY 2005)

3. Reduction target for greenhouse gases other than CO₂

Reduce total emissions of greenhouse gases other than CO₂ (CO₂ equivalent) to **below 2000 level** by 2010.

- Eliminate or reduce SF₆ emissions
- Reduce HFC-134a emissions

* Eliminate or reduce SF₆ used in the electronic component production process

* Replace HFC-134a used in machinery such as dust blowers, with products that use chemical substances that have a lower global warming factor

4. Resource conservation targets (water, paper)

Japan production sites

Reduce water usage per unit of actual production by **25%** by fiscal 2013 compared to fiscal 2001.

Production sites outside Japan

Reduce water usage per unit of production by **15%** by fiscal 2013 compared to fiscal 2005.

Japan sites

Reduce paper usage in offices per unit of sales by **10%** by fiscal 2013 compared to fiscal 2008.

5. Waste reduction targets

Japan sites

Reduce generation of waste per unit of actual production by **50%** by fiscal 2013 compared with fiscal 2001.

Production sites outside Japan

Reduce generation of waste per unit of production by **30%** by fiscal 2013 compared to fiscal 2005.

6. Volatile organic compound (VOC) reduction target

Japan
production sites

Reduce emissions of VOCs by **30%** by fiscal 2011 compared to fiscal 2001.

*20 types of VOCs are specified by the four main electrical and electronics industry associations in Japan. Among them, Casio uses 8 types.

7. Hazardous substance phase-out target

Detoxify PCB-containing equipment now in storage as Japan Environmental Safety Corporation (JESCO) starts program in each region.

• Kofu Casio Co., Ltd: By fiscal 2014

*Store stabilizers, including the low concentration capacitors kept at Hachioji R&D Center, until they can be accepted by JESCO.

8. Target for output reduction of PRTR substances

Japan
production sites

Reduce output of PRTR substances per unit of actual production by **40%** by fiscal 2013 compared to fiscal 2004.

9. Green procurement target

Achieve **100%** green parts procurement rate (all supplied parts are green parts) by fiscal 2011.

*1 Parts and materials that do not contain prohibited substances as designated by Casio
*2 Excluding those substances that are within legal limits, if customer requests

10. Green purchasing target

Raise the green purchasing ratio at Japan sites to **75%** of total purchases (based on the number of purchases) by fiscal 2013.

*Applicable to sites using the CATS e-P system

Overall business activity targets

1. Biodiversity preservation target

To preserve biodiversity and eco-system services, conduct biodiversity impact surveys in all business areas by 2011, and establish a policy theme

■ Fiscal 2010 Casio Environmental Action Plan Performance

	Theme	Target	Per-unit value of base year, etc.	Target per-unit value of target year, etc.	Actual performance of per-unit value for FY2010, etc.	Performance by the end of FY2010	Progress assessment
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Product targets

		In parentheses (): FY2009			Upper level: Compared with base year	Lower level: (Compared with previous year)	
1. Eco-products	Raise share of Green Star Product sales in total sales.	Increase Green Star Product sales to 30% of total sales by FY2013. Maintain Green Product sales at 80% of total sales or more.	—	30% [80% or more]	15.8% [83%]	14.2 percentage points remaining to reach target Exceeded target by 3 percentage points	☆

Plant and business-site targets

1. Energy conservation (electrical power, fuel, etc.)	Reduce CO ₂ emissions (Japan production sites)	Reduce emissions per unit of actual production by 35%, averaged over 5 years from FY2009 to 2013, compared with FY1991.	0.312 (Tons-CO ₂ /¥ million)	0.203 (Tons-CO ₂ /¥ million)	0.217*(0.181)(Tons-CO ₂ /¥ million) *Average value for FY2009 and FY2010	Reduced by 30.4% (Increased by 19.9%)	☆
	Reduce CO ₂ emissions (Japan office sites)	Reduce total emissions by 9%, averaged over 5 years from FY2009 to 2013, compared with FY1991.	11,492(Tons-CO ₂)	10,458(Tons-CO ₂)	9,533*(9,655)(Tons-CO ₂ /¥ million) *Average value for FY2009 and FY2010	Reduced by 17.0% (Reduced by 1.3%)	FY2010 ☆☆☆
	Reduce CO ₂ emissions (production sites outside Japan)	Reduce emissions per unit of production by 30% by FY2013 compared to FY2005.	0.235 (Tons-CO ₂ /¥ million)	0.164 (Tons-CO ₂ /¥ million)	0.265(0.291) (Tons-CO ₂ /¥ million)	Increased by 12.8% (Reduced by 8.9%)	☆☆
	Reduce CO ₂ emissions (office sites outside Japan)	Reduce total emissions by 3% by FY2013 compared to FY2005.	5,099 (Tons-CO ₂)	4,263 (Tons-CO ₂)	7,362(6,493) (Tons-CO ₂)	Increased by 44.4% (Increased by 13.4%)	●
2. Reduction of greenhouse gases	Reduce total emissions of greenhouse gases other than CO ₂ (CO ₂ equivalent) to below 2000 level.	Reduce total emissions to below 2000 level by 2010.	7,278 (Tons-CO ₂)	7,278 (Tons-CO ₂) or below	11,355(18,021) (Tons-CO ₂)	Increased by 56.0% (Increased by 37.0%)	☆☆
3. Resource conservation (water, paper)	Reduce water usage (Japan production sites)	Reduce usage per unit of actual production by 25% by FY2013 compared to FY2001.	0.0077 (Thousand m ³ / ¥ million)	0.0058 (Thousand m ³ / ¥ million)	0.0094(0.0061) (Thousand m ³ / ¥ million)	*Increased by 22.1% (Increased by 54.1%)	●
	Reduce water usage (production sites outside Japan)	Reduce usage per unit of production by 15% by FY2013 compared to FY2005.	0.0039 (Thousand m ³ / ¥ million)	0.0033 (Thousand m ³ / ¥ million)	0.0032(0.0031) (Thousand m ³ / ¥ million)	*Reduced by 17.9% (Reduced by 3.2%)	☆☆☆
	Reduce office paper usage (Japan sites)	Reduce usage per unit of sales by 10% by FY2013 compared to FY2008.	0.00035 (Tons/¥ million)	0.00032 (Tons/¥ million)	0.00041(0.00037) (Tons/¥ million)	*Increased by 16.2% (Increased by 11.3%)	●
4. Waste reduction	Reduce generation of waste (Japan sites)	Reduce waste per unit of actual production by 50% by FY2013 compared to FY2001.	0.024 (Tons/¥ million)	0.012 (Tons/¥ million)	0.021(0.014) (Tons/¥ million)	Reduced by 12.5% (Increased by 50.0%)	☆
	Reduce generation of waste (production sites outside Japan)	Reduce waste per unit of production by 30% by FY2013 compared to FY2005.	0.012 (Tons/¥ million)	0.008 (Tons/¥ million)	0.0106(0.0124) (Tons/¥ million)	Reduced by 11.7% (Reduced by 14.5%)	☆☆
5. Reduction of volatile organic compounds (VOCs)	Reduce emissions of VOCs to atmosphere (Japan production site)	Reduce emissions by 30% by FY2011 compared to FY2001.	47 tons	33 tons	32 tons (39 tons)	Reduced by 31.9% (Reduced by 17.9%)	☆☆☆
6. Hazardous substance phase-out	Detoxify PCB-containing equipment now in storage as Japan Environmental Safety Corporation starts	Detoxify all PCBs stored at Kofu Casio by FY2015.	—	—	Finished delivering this equipment to JESCO. Continuing to store equipment until it can be accepted for treatment.	—	
7. Output reduction of PRTR substances	Reduce output of PRTR substances (Japan production sites)	Reduce output per unit of actual production by 40% by FY2013 compared to FY2004.	0.00011(Tons/¥ million)	0.00008(Tons/¥ million)	0.00005(0.00004) (Tons/¥ million)	Reduced by 51.2% (Reduced by 28.4%)	☆☆☆
8. Green procurement	Improve the green procurement ratio.	Achieve green part procurement ratio (ratio of green parts*1 to all parts and materials ordered) at sites in and outside Japan of 100%. *2 *1 Parts and materials that do not contain prohibited substances as designated by Casio *2 Excluding those substances that are within legal limits, if customer requests	—	FY2011: 100%	In Japan: 100% Outside Japan: 100%	—	☆☆☆
9. Green purchasing	Raise green purchasing ratio to 70% of total purchases of office supplies and office equipment (Japan sites)	Raise the ratio to 70% of total purchases by FY2009 (based on the number of purchases)	—	70%	70%	—	☆☆☆☆
10. Logistics-related global warming countermeasures	Reduce CO ₂ emissions (distribution in Japan)	Reduce emissions per unit of sales in Japan by 40% by FY2010 compared to FY2001.	11.4(Tons/¥ billion)	6.8(Tons/¥ billion)	7.9(7.2)(Tons/¥ billion)	Reduced by 31.1% (Reduced by 8.9%)	*△
	Reduced CO ₂ emissions (distribution outside Japan)	Reduce CO ₂ emissions per unit of sales outside Japan by 5% by FY2010 compared to FY2005.	171.3(Tons/¥ billion)	162.7(Tons/¥ billion)	209.8(185.0) (Tons/¥ billion)	Increased by 22.5% (Increased by 13.4%)	●

Overall business activity targets

1. Biodiversity preservation target	Preserve biodiversity and ecosystem services	Conduct biodiversity impact surveys in all business areas by 2011, and establish a policy theme.	—	—	—	Conduct biodiversity impact surveys in all business areas by 2011, and establish a policy theme.	☆
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* The scope of target for logistics-related global warming countermeasures in and outside Japan is distribution for product sales.

* △ : Target not achieved, but improvement made beyond base value

Progress assessment key

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