

# Fiscal 2013 Casio Environmental Action Plan performance

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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.	☆

	Theme	Target	Per-unit value of base year, etc.	Per-unit value of target year, etc.	Actual performance of per-unit value for FY2013, etc.	Performance by the end of FY2013	Progress assessment
<b>Product targets</b>							
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. [Maintain Green Product sales at 80% of total sales or more.]	-	50%	47%	6 percentage points remaining to reach target [Target was achieved.]	☆
			-	[80% or more]	[80%]		
<b>Plant and business-site targets</b>							
						Upper level: FY2013 Lower level: FY2012	Upper level: Compared with base year Lower level: Compared with previous
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 FY2016 compared to FY2006.	132,213 53,824 (+6)	92,548 (Tons-CO2)	46,977 (Tons-CO2)	Reduced by 64.5% Reduced by 12.4% (+7) (Increased by 5.7%)	☆☆
	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 53,824 (+6)	26,443 (Tons-CO2)	46,977 (Tons-CO2)	Reduced by 64.5% Reduced by 12.4% (+7) (Increased by 5.7%)	☆☆
Figures in blue show adjusted value (+6) of amount of emissions in the base year, taking into account contributions from changes in business structure (including transfers of group companies, etc.), and actual value (+7) based on GHG Protocol							
2: Energy conservation (electrical power, fuel, etc.)	Reduce CO2 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-CO2/¥million)	0.203 (Tons-CO2/¥million)	0.148 #1 0.166 #2 0.074	Reduced by 52.7% (Reduced by 11.0%)	☆☆☆
	Reduce CO2 emissions (Japan office sites).	Reduce total emissions by 9%, averaged over 5 years from FY2009 to 2013, compared with FY1991.	11,482 (Tons-CO2)	10,458 (Tons-CO2)	7,882 #1 7,900 #2 8,313	Reduced by 30.5% (Increased by 1%)	☆☆☆
	Reduce CO2 emissions (production sites outside Japan).	Reduce emissions per unit of production by 30% by FY2013 compared to FY2005.	0.235 (Tons-CO2/¥million)	0.185 (Tons-CO2/¥million)	0.212 0.213	Reduced by 9.8% (Reduced by 0.2%)	☆☆
	Reduce CO2 emissions (office sites outside Japan).	Reduce total emissions by 3% by FY2013 compared to FY2005.	5,089 (Tons-CO2)	4,946 (Tons-CO2)	7,198 7,249	Increased by 41.2% (Reduced by 0.7%)	▲
3: Reduction of greenhouse gas	Reduce total emissions of greenhouse gases other than CO2 (CO2 equivalent)	Reduce total emissions of greenhouse gases other than CO2 (CO2 equivalent) by 80% by FY2013 compared to FY2001.	7,278 (Tons-CO2)	728 (Tons-CO2)	0 110.4	Reduced by 100% (Reduced by 100%)	☆☆☆
4: 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 m3/¥million)	0.0058 (Thousand m3/¥million)	0.0005 0.0030	Reduced by 93.0% (Reduced by 81.9%)	☆☆☆
	Reduce water usage (production sites outside Japan).	Reduce usage per unit of production by 15% by FY2013 compared to FY2005.	0.0039 (Thousand m3/¥million)	0.0033 (Thousand m3/¥million)	0.0036 0.0041	Reduced by 8.7% (Reduced by 12.6%)	☆☆
	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)	0.00053 0.00048	Increased by 51.8% (Increased by 10.7%)	▲
5: 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)	0.0129 0.014	Reduced by 48.3% (Reduced by 11.0%)	☆☆
	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)	0.0062 0.0031	Reduced by 48.0% (Increased by 99.6%)	☆☆☆
6: Reduction of volatile organic compounds (VOCs)	Reduce emissions of VOCs to atmosphere (Japan production sites).	Reduce emissions by 45% by FY2016 compared to FY2001.	47 (tons)	28 (tons)	0.415 3	Reduced by 99.1% (Reduced by 83.7%)	☆☆☆
7: Hazardous substance phase-out	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.	-	-	-	Registered consignment of detoxification and continued to store the equipment until it can be accepted by the designated waste management agency.	☆
8: 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)	0.00007 (Tons/¥million)	0.00000 0.00001	Reduced by 100% (Reduced by 100%)	☆☆☆
9: Green procurement	Improve the green procurement ratio.	Maintain 100%#5 green parts procurement rate (all supplied parts are green parts#4) of FY2011. #4 Parts and materials that do not contain prohibited substances as designated by Casio #5 Excluding those substances that are within legal limits, if customer requests	-	FY2013: 100%	In Japan: 100% Outside Japan: 100%	-	☆☆☆
10: Green purchasing	Raise green purchasing ratio of office supplies and office equipment (Japan sites).	Raise the ratio to 75% of total purchases by FY2012 (based on the number of purchases).	-	75%	74.3%	-	☆☆
11: Logistics-related global warming countermeasures	Reduce CO2 emissions #3 (distribution in Japan).	Reduce emissions per unit of sales in Japan by 22% by FY2013 compared to FY2006.	-	Reduced by 22.0% compared to FY2013	49% compared to FY2006	Reduced by 24.4% compared to FY2006	☆☆☆
<b>Overall business activity targets</b>							
1: Biodiversity preservation target	Preserve biodiversity and ecosystem services.	Commence pilot studies on biodiversity impact related to sites and products by FY2013	-	-	-	Commenced a pilot study on paper related to sites and products.	☆☆☆

#1 Average value for FY2009 to FY2013.

#2 Average value for FY2009 to FY2012.

#3 The scope of target for logistics-related global warming countermeasures is distribution for product sales.