

# Achieving the Kyoto Protocol's 6% Reduction Target

**CO<sub>2</sub> Diet**  
Let's review our lifestyle  
and reduce 1 kg of CO<sub>2</sub>/person/day

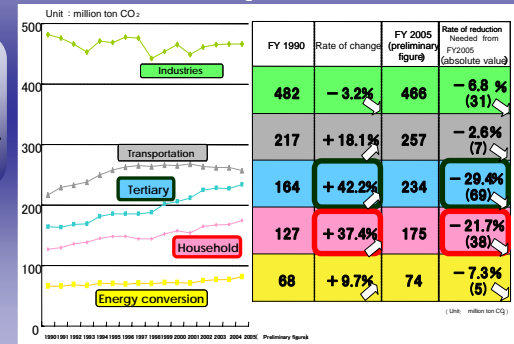
This adds up to

= approx. 47 million tons/year  
1kg × 128 million people  
× 365 days

Reduction target for  
household sector  
Approx. 38 million tons/year

Japanese government invites public opinions on specific global warming mitigation ideas for homes, offices, and communities, and actively introduces the ideas to the public based on the practicality

Changes in CO<sub>2</sub> Emissions by Sector



## What Each One of Us Can Do to Reduce CO<sub>2</sub> emissions

Japan's household sector recalled a 37.4% increase of CO<sub>2</sub> emissions in FY 2005 (compared to 1990 level), totaling 175 million tons, which will need to be reduced 38 million tons by 2010. To achieve this goal, each one of us must change our current lifestyle and increase our efforts to reduce CO<sub>2</sub> emissions at home and at work. For example, if all of the following measures be implemented, each household can reduce approx. 569 kg/year (610g/person/day).

The government will devote all of its efforts to expand the nation-wide campaign, Team Minus 6%. The success of this campaign totally depends upon the efforts of each citizen.

**<Reduction volume/person/day>**

**1 kg**

equivalent to approx. 100 soccer balls!  
in cubic volume

35g

74g

104g

132g

45g

42g

62g

52g

64g

**[Adjusting the temperature]** Summer 28°C, Winter 20°C  
e.g. with 1 higher for air-conditioning and 1 lower for heating  
= **Reduction of 35 g/person/day (approx. 33 kg/household/year)**

**[Smart water use]** Turn off water properly  
e.g. 1 minute shorter shower time a day  
= **Reduction of 74 g/person/day (approx. 69 kg/household/year)**

**[Smart products choice]** Buy eco-products  
e.g. with eco-friendly home electric appliances (air conditioners, refrigerators, lights, etc)  
= **Reduction of 281 g/person/day (approx. 262 kg/household/year)**

**[Eco-friendly driving]** Eco-drive  
e.g. idling stop for 5 minutes per day  
= **Reduction of 42 g/person/day (approx. 39 kg/household/year)**

**[Smart shopping and waste disposal]** No excessive wrapping; proper trash separation  
e.g. bringing own shopping bags and choose products with light packaging  
= **Reduction of 62 g/person/day (approx. 58 kg/household/year)**  
e.g. with proper trash separation and recycling of waste plastic(= burn less garbage)  
= **Reduction of 52 g/person/day (approx. 48 kg/household/year)**

**[Smart electricity use]** Unplug appliances  
e.g. without stand-by electricity  
= **Reduction of 64 g/person/day (approx. 60 kg/household/year)**

Further reductions could be created by public ideas

**[At work]** (1) Ratio of the offices that have made efforts since the launch of Cool Biz in FY 2005 **43.2%**  
(2) Estimated CO<sub>2</sub> reduction  
→ **Approx. 1.14 million tons (June- September) nation wide**

**[Air conditioner]**  
42% energy efficiency improvement (FY1997 FY2006)  
= **Reduction of 104 g/person/day (approx. 97 kg/household/year)**

**[Refrigerator]**  
55% energy efficiency improvement (FY1998 FY2006)  
= **Reduction of 132 g/person/day (approx. 123 kg/household/year)**

**[Light]**  
Replace all filament light bulbs in Japan with fluorescent light bulbs  
= **Reduction of 45 g/person/day (approx. 42 kg/household/year)**

→

**Electricity Consumption to a maximum of 1/5**

[Filament light bulb] [Light bulb-type fluorescent lamp]

**[If every Japanese citizen refuses one shopping bag per week]**  
→ **CO<sub>2</sub> reduction of approx. 360,000 tons/year nation wide**