

3. Environmental Activities for Everybody (Household Eco-Account Book)

Kyushu Electric Power promotes the use of the Household Eco-Account Book for its employees and their families to review their lifestyle and enhance their environmental awareness.

For solving environmental issues such as global warming, resource exhaustion and waste problems, it is important for citizens, companies and the administration to fulfill their respective duties. Reviewing the lifestyle of a household from the perspective of CO₂ reduction is essential in this regard.

This Household Eco-Account Book helps calculate CO₂ emissions based on electricity, gasoline and other energy consumption and the amount of waste generated in our everyday domestic life. It enables us to see our progress in CO₂ emission reductions each month, thus encouraging efforts toward reduction.

The Household Eco-Account Book may be found at Kyushu Electric Power’s website. Please use it to achieve an environmentally friendly lifestyle.

Easy, Monthly Household Eco-Account Book

*Emission amount can be obtained by multiplying the CO₂ emission coefficient by the amount of consumption.

Item	CO ₂ emission coefficient	First month			Second month			Third month		
		Amount used	Amount emitted	Cost	Amount used	Amount emitted	Cost	Amount used	Amount emitted	Cost
Electricity (kWh)	0.371	Meter reading	(kg)	Yen	Meter reading	(kg)	Yen	Meter reading	(kg)	Yen
Utility/LP gas (m3)	2.1 LPG(6.3)	Meter reading	(kg)	Yen	Meter reading	(kg)	Yen	Meter reading	(kg)	Yen
Water (m3)	0.58	Meter reading	(kg)	Yen	Meter reading	(kg)	Yen	Meter reading	(kg)	Yen
Kerosene (liter)	2.5		(kg)	Yen		(kg)	Yen		(kg)	Yen
Gasoline (liter)	2.3		(kg)	Yen		(kg)	Yen		(kg)	Yen
Aluminum can (pc)	0.17		(kg)			(kg)			(kg)	
Steel can (pc)	0.04		(kg)			(kg)			(kg)	
Plastic bottle (pc)	0.07		(kg)			(kg)			(kg)	
Glass bottle (pc)	0.11		(kg)			(kg)			(kg)	
Paper container (pc)	0.16		(kg)			(kg)			(kg)	
Food tray (pc)	0.008		(kg)			(kg)			(kg)	
Trash (kg)	0.84		(kg)			(kg)			(kg)	
Total			(kg)	a		(kg)	b		(kg)	c
Monthly savings on family budget		b-a	Yen	c-b	Yen	Estimated annual savings		(c-a)X6	Yen	

How to use the Household Eco-Account Book

For monthly consumption of electricity, gas and water, check your meter or bill.

For aluminum cans, steel cans, plastic bottles, glass bottles, paper containers and food trays, count the ones you threw away instead of recycling and enter the number in the column ‘amount used’.

Multiply each ‘amount used’ by its corresponding CO₂ emission coefficient, then enter the number in the column ‘amount emitted’. This total is the amount of CO₂ emitted by your household.

Please try to reduce CO₂ emissions by 10% within three months. There are other causes of CO₂ emissions. Try to come up with your own eco-life.

In the ‘cost’ column, enter the cost of each item according to the amount used. Usually, bills are sent the following month for electricity and gas, and every other month for water. As emissions decrease, you should see a corresponding reduction in your bills.

Source: Ministry of the Environment Website

N.B. The CO₂ emissions coefficient for electricity (kWh) is taken from fiscal 2000 records excerpt from the ‘Environmental Action Plan of the Electric Power Industry’ by the Federation of Electric Power Companies, Sep. 14, 2001; and for other items, from fiscal 1999 values of the emission coefficients for the Household Eco-Account Book by the Ministry of the Environment.