

# Establishment of Medium-Term Environmental Plan 2018

How to deal with environmental problems is the biggest issue facing all humanity. Solving these problems requires proactive efforts that are long-term and global. The Citizen Group sets environmental objectives and targets based on the Group Environmental Policy, then works toward continuous improvement.

## Environmental Action as a Unified Group

As of fiscal 2012, the companies of the Citizen Group had earned ISO 14001 certification, and each was pursuing environmental management initiatives taking advantage of their unique business conditions. We have also shared environmental data within the Group and considered our collective issues together. In April 2013, we revised the Citizen Group Environmental Policy and established Medium-Term Environmental Plan 2018 based on this policy. Here, our purpose was to promote environmental action with a global point of view and further strengthen Group environmental management.

To bolster Group governance and promote efficient and effective environmental initiatives, each company is taking the Citizen Group Environmental Policy as its own environmental policy, and we are transitioning to consolidated group certification under ISO 14001, as a single system for the whole Group. With this new Group environmental management system, the Group is joining its forces on efforts to “build brand value with an eco-angle,” “help to prevent global warming and achieve a recycling-oriented society,” “respond to global environmental laws and regulations,” and so forth.

## Responding to Global Environmental Laws and Regulations

The RoHS Directive and REACH Regulation regulate the chemical content of products sold in Europe. We confirm compliance with the RoHS Directive by asking our business partners to submit a “Guarantee of Non-Content of RoHS Substances” as prescribed in the “Citizen Green Procurement Standard.” We use a fluorescent X-ray analysis machine to double-check compliance of some components and packaging materials that we suspect may still contain regulated substances. As for REACH Regulation compliance, at consumers’ request, we provide plenty of information so they can use our products safely. Regulations on chemical content will only get stricter in the future, so we are setting up a system to convey information more efficiently through the supply chain.

**Tatsuo Tsuchiya** (photo, left)

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Citizen Business Expert Co., Ltd.

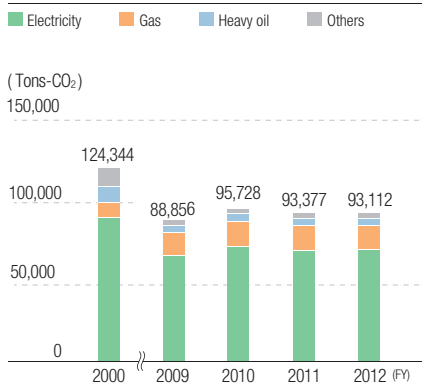
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## Citizen Group Medium-Term Environmental Plan 2018 (excerpt)

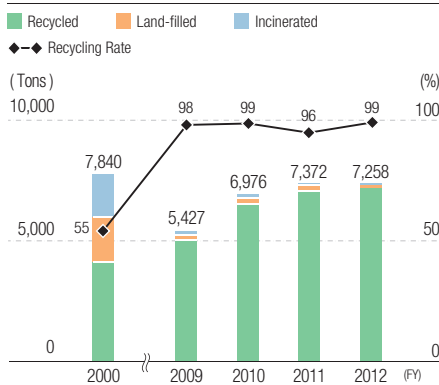
Promote environmental management		First half			Second half		
		FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
		Strengthen Group environmental management			Strengthen global environmental management		
	Consolidate Group environmental management system	Get consolidated Group environmental certification Strengthen Group environmental management system			Get consolidated global environmental certification Strengthen global environmental management system		
	Provide eco-friendly products and services	Study how to build brand value with an eco-angle Practice green procurement and expand eco-friendly products			Create products with outstanding environmental performance Strengthen global green procurement		
	Respond to environmental laws and regulations	Respond to global environmental laws and regulations, including chemical regulations			Strengthen global environmental auditing		
	Help create low-carbon society and recycling-oriented society	Control greenhouse gas emissions and help prevent global warming Reduce waste and promote recycling Reduce chemical risks			Strengthen control of greenhouse gas emissions globally Strengthen "zero waste emissions" Strengthen initiatives to reduce PRTR substances		
	Protect nature and conduct community activities	Conduct nature protection and regional environmental initiatives			Strengthen biodiversity protection and regional environmental initiatives		

Group-wide CO<sub>2</sub> Emissions



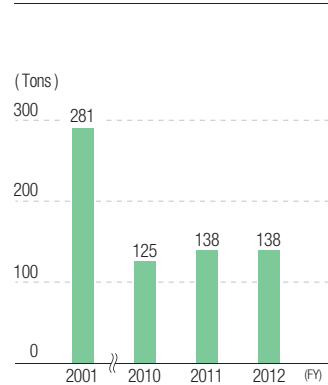
(Note) CO<sub>2</sub> emissions attributable to energy use

Group-wide Waste Production\*



\* Waste production = industrial waste + general waste + valuable resources

Group-wide Amount of PRTR Substances Handled



(Note) Chemicals subject to PRTR Law  
354 chemicals in 2001  
462 chemicals in 2010

## Business Activities and Environmental Impact

INPUT		Japan	Overseas
	Total energy input (GJ)	2,332,583	1,186,929
	Water resource input (km <sup>3</sup> )	1,737	1,351
	Repeated use of water within the organization (km <sup>3</sup> )	47	37
	Chemical substance handled (tons)	138	1,896
	Containers and packaging used (tons)	617	1,194

OUTPUT		Japan	Overseas
	CO <sub>2</sub> emissions (tons-CO <sub>2</sub> )	93,112	45,010
	N0x emissions (tons)	6	2
	SOx emissions (tons)	4	2
	Water drainage (km <sup>3</sup> )	1,305	952
	BOD emissions (tons)	36	12
	COD emissions (tons)	7	536
	Waste generated (tons)	7,258	4,984
	Waste land-filled (tons)	31	3,683

Input and output data does not include environmental impact at the distribution/sales, usage or procurement stages. Period: April 1, 2012 to March 31, 2013 Scope: 31 domestic companies, 13 overseas companies