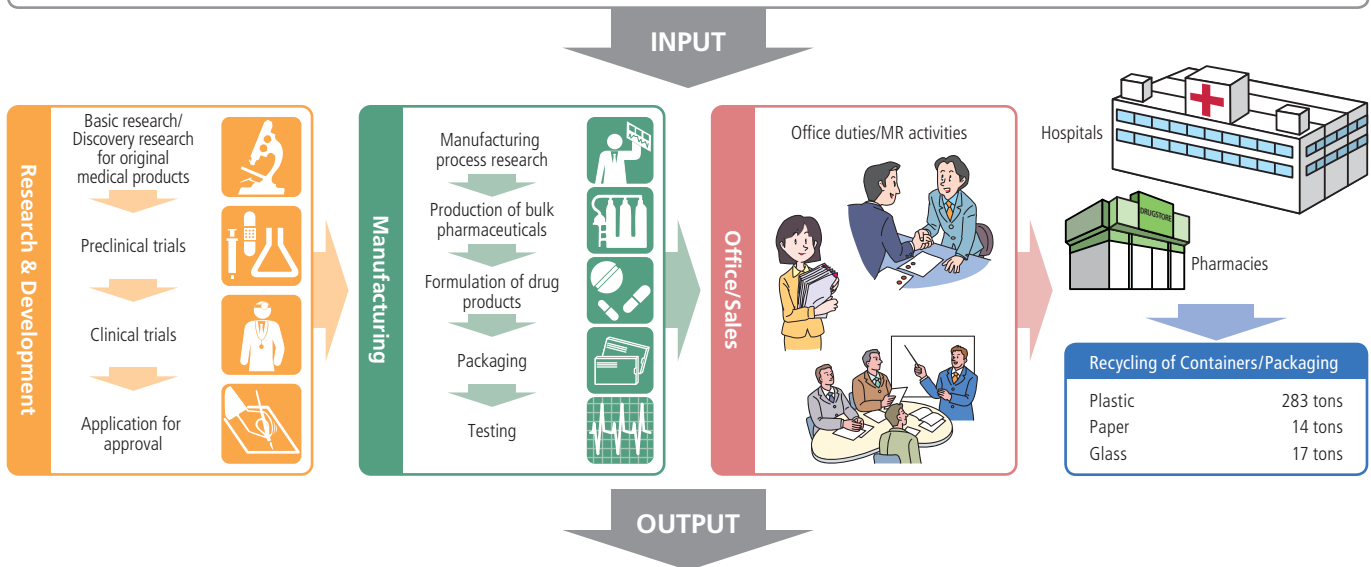


Shionogi and the Environment

Shionogi works to reduce its environmental impact by comprehensively measuring the energy inputs and waste product generation associated with its business operations and setting targets for such items as greenhouse gas emission volume and waste product volume. We are also receiving cooperation from transactional counterpart companies regarding such issues as green procurement and the consigning of waste disposal to appropriate waste management contractors.

In fiscal 2008, the expansion of business activities led to a rise in greenhouse gas emissions generated, although the partial revision of waste treatment methods and other factors enabled a decrease in total waste product volume.

Item	Shionogi		Subsidiaries		Shionogi Group	
	Amount Used	Calorific Value (MJ)	Amount Used	Calorific Value (MJ)	Amount Used	Calorific Value (MJ)
Electricity (purchased)	103,383 MWh	1,016,257,210	18,522 MWh	182,068,704	121,905 MWh	1,198,325,914
Kerosene	7 kl	262,478	0 kl	14,680	8 kl	277,158
Fuel oil A	12,083 kl	472,445,300	3,639 kl	142,284,118	15,722 kl	614,729,418
Propane	17 tons	854,404	0 ton	14,056	17 tons	868,460
City gas	7,366 thousand m ³	286,978,905	7 thousand m ³	262,621	7,373 thousand m ³	287,241,525
Gasoline (in-house)	3,328 kl	115,165,892	131 kl	4,532,254	3,459 kl	119,698,146
Diesel oil (in-house)	2 kl	91,413	0 kl	11,460	3 kl	102,873
Water intake	1,619 thousand m ³		352 thousand m ³		1,971 thousand m ³	



OUTPUT

Item	Shionogi		Subsidiaries		Shionogi Group	
	Amount Released		Amount Released		Amount Released	
Greenhouse gas emissions	94,692 tons-CO ₂		16,882 tons-CO ₂		111,574 tons-CO ₂	
Environmental emissions of PRTR Class 1 chemical substances	100 tons		4 tons		104 tons	
Waste generated	5,964 tons		1,319 tons		7,283 tons	
Waste sent directly to landfills	1 ton		0 ton		1 ton	
Public sewerage	494 thousand m ³		36 thousand m ³		530 thousand m ³	
Natural waterways	972 thousand m ³		261 thousand m ³		1,233 thousand m ³	
NOx	167 tons		15 tons		182 tons	
SOx	24 tons		14 tons		38 tons	
BOD	12 tons		1 ton		13 tons	
COD	7 tons		2 tons		8 tons	