

		2016	2017	2018	2019	
Environmental Accounting	Energy Efficient Investments (million yen)	1.85	7.26	10.36	11.89	
Prevention of global environmental warming	Energy Consumption (Crude oil equivalent (KL))	Plants (Senboku, Kinraku)	1942	2478	2742	2780
		Reserch Laboratoy	136	131	127	128
		Headquarter	24	21	20	20
		Company-wide	2103	2631	2888	2929
		Year-Over-Year	1.046	1.251	1.098	1.014
	Energy Intensity	Plants (Senboku, Kinraku)	0.7173	0.6925	0.6724	0.6524
		Reserch Laboratoy	0.1544	0.1487	0.1442	0.1453
		Headquarter	0.02807	0.02456	0.02339	0.02339
		Year-Over-Year	0.982	0.964	0.971	0.971
	Energy-Related Carbon Dioxide Emissions	Plants (Senboku, Kinraku)	3915	5227	4911	4273
		Reserch Laboratoy	268	259	216	179
		Headquarter	50	42	43	32
		Company-wide	4233	5294	5161	4485
PRTR reporting	Upper : Emission(t) Lower : Transfers(t)	Senboku Plant	11.2	7.9	9.5	7.9
			415.8	371.2	329.6	394.5
	Kinraku Plant		0.9	0.6	0.6	1.2
			248.0	82.9	17.4	26.0
	Company-wide		12.1	8.4	10.1	9.1
			663.8	454.1	347.0	420.5
Water Resourse	Water usage (kt)	Senboku City water	15.6	19.7	18.9	18.6
		Plant Industrial Water	68.3	70.5	72.5	73.3
		Kinraku Ciity water	7.4	8.0	6.6	8.0
		Plant Industrial Water	21.9	13.8	11.2	15.2

#### Chemical substance management goal and status of achievement based on the Osaka Prefectural Ordinance on Conservation of Living Environment

Facility	Senboku Plant		
Goal of chemical substance management	Management chemical substances	VOC (Volatile organic compounds)	
	Item as an indicator	Reduction of atmospheric emissions amount of per unit usage of the above chemical substances.	
	Goal as an indicator	Reducing atmospheric emissions of ethyl acetate from the storage tank.	
		Reduction to 5.7% in 5 years from 10.7% in 2013.	
	Achievement	2014	7.5%
		2015	7.8%
		2016	6.3%
		2017	6.2%
<b>2018</b>		<b>1.7% (Achieved 9.0% reduction)</b>	
Goal as an indicator (investigating)	We will investigate substances that can be expected to have the effect of suppressing vapor emission from among the substances subject to VOC, select one of them, install a breather valve in the storage tank of the substance, and reduce atmospheric release.		
	50% reduction rate after 5 years compared to the amount released to the atmosphere in 2018		
	2019	Applicable substance is being selected (first year of plan)	
	2020		