

Environmental Data

Priority environment issues	Classification	Sources	Scope of the data	FY2020	FY2021	FY2022	FY2023	FY2024	Unit
Carbon Neutrality	Energies	Electricity	Global total	533,095	503,399	405,636	377,064	378,943	thousand kWh
			Japan	127,521	93,177	80,972	64,306	56,694	
			Outside Japan	405,573	410,221	324,664	312,758	322,249	
		CO ₂ free electricity	Global total	201,858	265,242	424,719	442,208	407,698	thousand kWh
			Japan	194,051	226,690	289,010	310,430	262,043	
			Outside Japan	7,807	38,552	135,709	131,778	145,655	
		Natural gas & City gas	Global total	71,600	68,084	59,718	63,004	73,551	thousand m ³
			Japan	31,498	31,153	22,696	22,339	30,957	
			Outside Japan	40,101	36,930	37,022	40,666	42,594	
		Coal	Global total	57,968	60,203	55,502	53,492	61,532	t
			Japan	0	0	0	0	0	
			Outside Japan	57,968	60,203	55,502	53,492	61,532	
		Steam	Global total	343,067	355,317	345,182	314,789	291,124	t
			Japan	152,076	152,010	139,282	129,757	124,323	
			Outside Japan	190,991	203,307	205,900	185,032	166,801	
		LNG	Global total	14,104	16,142	18,735	18,371	18,992	t
			Japan	13,823	15,729	18,735	18,371	18,992	
			Outside Japan	281	413	0	0	0	
		A HFO	Global total	7,945	5,025	2,762	2,183	1,880	kL
			Japan	7,945	5,025	2,762	2,183	1,880	
			Outside Japan	0	0	0	0	0	
		LPG	Global total	5,870	5,990	5,523	5,323	5,069	t
			Japan	5,596	5,664	5,473	5,278	5,023	
			Outside Japan	274	327	50	45	46	
		Diesel	Global total	436	452	554	964	1,371	kL
			Japan	58	20	18	17	16	
			Outside Japan	378	432	536	948	1,355	
		Kerosene	Global total	130	133	139	133	127	kL
Japan	130		133	139	133	127			
Outside Japan	0		0	0	0	0			
Gasoline	Global total	115	48	52	35	43	kL		
	Japan	115	48	52	35	43			
	Outside Japan	0	0	0	0	0			
Steam (non industrial)	Global total	1,084	1,198	1,397	1,025	985	GJ		
	Japan	1,084	1,198	1,397	1,025	985			
	Outside Japan	0	0	0	0	0			
Hot water	Global total	2,567	1,371	1,461	1,579	1,428	GJ		
	Japan	173	138	162	139	190			
	Outside Japan	2,393	1,233	1,299	1,440	1,238			
Cold water	Global total	11,774	3,897	4,087	4,910	4,942	GJ		
	Japan	11,774	3,897	4,087	4,910	4,942			
	Outside Japan	0	0	0	0	0			

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Priority environment issues	Classification	Sources	Scope of the data	FY2020	FY2021	FY2022	FY2023	FY2024	Unit				
Carbon Neutrality	Renewable Energies	Solar power	Global total	3,869	6,727	15,152	20,492	24,595	thousand kWh				
			Japan	1,409	4,069	4,417	5,628	6,809					
			Outside Japan	2,459	2,658	10,735	14,864	17,786					
		Biomass power	Global total	7	13	17	14	12	thousand t				
			Japan	0	0	0	0	0					
			Outside Japan	7	13	17	14	12					
	CO ₂	CO ₂ emissions		Global total	706,034	683,702	575,816	522,671	557,567	t-CO ₂			
				Japan	207,281	188,999	164,784	153,727	168,565				
				Outside Japan	498,754	494,704	411,032	368,944	389,002				
		CO ₂ emissions per sales		Scope1	Global total	368,555	362,336	333,153	327,309	368,733	t-CO ₂ /¥million		
				Scope2	Global total	337,480	321,366	242,662	195,362	188,833			
		CO ₂ emissions (Scope1、 2、 3)		Japan*1		1,118	1,030	1,110	1,107	1,185	thousand t-CO ₂		
		CO ₂			Japan*1	Category 1 (Purchased goods and services)	635,542	592,537	648,624	664,646	698,157	t-CO ₂	
						Category 2 (Capital goods)	52,402	38,763	85,592	62,083	82,447		
						Category 3 (Fuel and energy-related activities not included in Scopes 1 and 2)	45,579	34,167	30,272	35,423	35,448		
						Category 4 (Transportation and distribution)(Upstream)	70,621	70,519	72,548	73,671	72,476		
						Category 5 (Waste generated in operations)	12,836	13,535	10,966	10,254	12,233		
						Category 6 (Business travel)	6,030	5,413	8,285	13,576	13,354		
						Category 7 (Employee commuting)	5,773	5,917	5,679	6,126	6,105		
						Scope3	Category 8 (Leased assets) (Upstream)	6,356	7,258	7,294	6,940		6,350
						Category 9 (Transportation and distribution) (Downstream)	20,407	20,736	22,480	21,608	21,373		
	Category 10 (Processing of used products)							N/A*2					
	Category 11 (Use of sold products)					80,209	79,452	80,051	79,728	85,894			
Category 12(End-of-life treatment of sold products)	20,751					21,163	22,879	21,542	21,797				
Category 13 (Leased assets) (Downstream)			N/A*2										
Category 14 (Franchise)			N/A*2										
Category 15 (Investment)			N/A*2										
Total				956,506	889,462	994,670	995,597	1,055,635					
Water Neutrality	Water	Water usage	Global total	17,732	17,680	18,488	19,389	19,686	thousand m ³				
			Japan	11,605	10,909	11,629	12,553	12,533					
			Outside Japan	6,127	6,772	6,859	6,836	7,153					
		Water use efficiency		Global total	12.46	11.80	10.64	9.60	8.45	m ³ /¥ million			
				Japan	—	9,654	10,399	11,316	11,310				
		Municipal water (including industrial water)		Asia, the Middle East, etc.	—	3,275	3,264	3,325	3,463	thousand m ³			
				North and South America	—	407	390	445	560				
				Europe	—	212	220	195	167				
		Water intake by water source	River water	Japan	—	123	96	85	80	thousand m ³			
				Asia, the Middle East, etc.	—	0	0	0	0				
				North and South America	—	0	0	0	0				
		Ground water		Europe	—	2	2	1	2	thousand m ³			
				Japan	—	1,131	1,134	1,152	1,143				
				Asia, the Middle East, etc.	—	2,708	2,755	2,698	2,815				
		Ground water		North and South America	—	137	201	148	121	thousand m ³			
Europe	—			32	26	24	25						

*1 Five group companies: Otsuka Pharmaceutical, Otsuka Pharmaceutical Factory, Taiho Pharmaceutical, Otsuka Chemical, and Otsuka Foods *2 Not applicable to Otsuka group's business sectors or have extremely low impact

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Priority environment issues	Classification	Sources	Scope of the data	FY2020	FY2021	FY2022	FY2023	FY2024	Unit	
Water Neutrality	Water	Wastewater by destination*1	Total Amount of Wastewater	15,666	15,122	14,407	14,404	14,587	thousand m ³	
			Rivers, lakes and marshes	11,717	11,194	10,560	10,275	10,249		
			Underground seepage	60	4	1	1	2		
			Area of ocean	1,002	1,051	1,118	1,246	1,052		
			Third-party processing (municipal sewage, etc.)	2,886	2,873	2,729	2,883	3,285		
Circular Economy	Material	Material	Japan*2	114,847	114,771	119,541	124,353	123,962	t	
	Packaging material*	Plastics	PET	11,963	12,028	14,416	15,593	15,022	t	
			Others	16,028	14,998	15,675	15,833	16,093		
		Paper and cardboard		33,149	32,481	36,173	35,446	35,266		
		Others		89,826	88,949	92,812	81,073	84,133		
				Global total	91,838	93,895	92,943	90,536	90,559	
		Total amount of waste		Japan	35,723	35,246	30,820	33,576	35,068	t
				Outside Japan	56,115	58,649	62,123	51,460	55,491	
		Non-hazardous waste		Global total	81,954	83,064	82,400	74,951	78,813	t
		Hazardous waste		Global total	9,884	10,831	10,543	10,085	11,746	t
				Global total	59,938	59,864	58,526	59,857	62,748	
		Recycled materials		Japan	29,457	28,178	25,347	29,073	26,258	t
				Outside Japan	30,480	31,686	33,179	30,784	36,490	
				Material Recycling	37,871	35,466	34,332	13,963	35,020	
				Thermal Recycle	7,972	8,718	9,429	11,364	14,817	
				Composting and feed	15,256	15,680	14,765	34,531	12,910	
				Global total	1,935	2,838	1,709	1,487	1,781	
		Non-hazardous waste	Simple Incineration	Japan	1,559	1,748	1,328	1,182	928	t
				Outside Japan	376	1,090	381	305	853	
				Global total	10,680	11,430	12,657	10,725	11,093	
		Waste	Landfill disposal	Japan	98	111	205	81	98	t
				Outside Japan	10,582	11,319	12,452	10,643	10,995	
				Global total	9,401	8,934	9,508	2,881	3,192	
			Bio-processing and chemical processing	Japan	774	697	660	715	821	t
				Outside Japan	8,627	8,237	8,848	2,168	2,371	
				Global total	4,549	5,450	6,365	6,585	7,852	
			Recycled materials	Japan	1,653	2,174	1,932	1,784	5,535	t
			Outside Japan	2,897	3,276	4,433	4,801	2,316		
			Material Recycling	1,832	2,257	3,155	3,446	4,183		
			Thermal Recycle	1,556	3,193	3,210	3,139	3,669		
			Composting and feed	0	0	0	0	0		
			Global total	2,443	2,694	1,661	1,090	1,440		
	Hazardous waste*3	Simple Incineration	Japan	2,047	2,235	1,201	678	1,244	t	
			Outside Japan	396	459	460	412	197		
			Global total	1,914	2,265	2,003	1,932	2,119		
		Landfill disposal	Japan	1	1	2	2	17	t	
			Outside Japan	1,913	2,264	2,001	1,931	2,102		
			Global total	978	421	514	478	334		
		Bio-processing and chemical processing	Japan	135	102	144	61	167	t	
			Outside Japan	843	319	370	416	167		

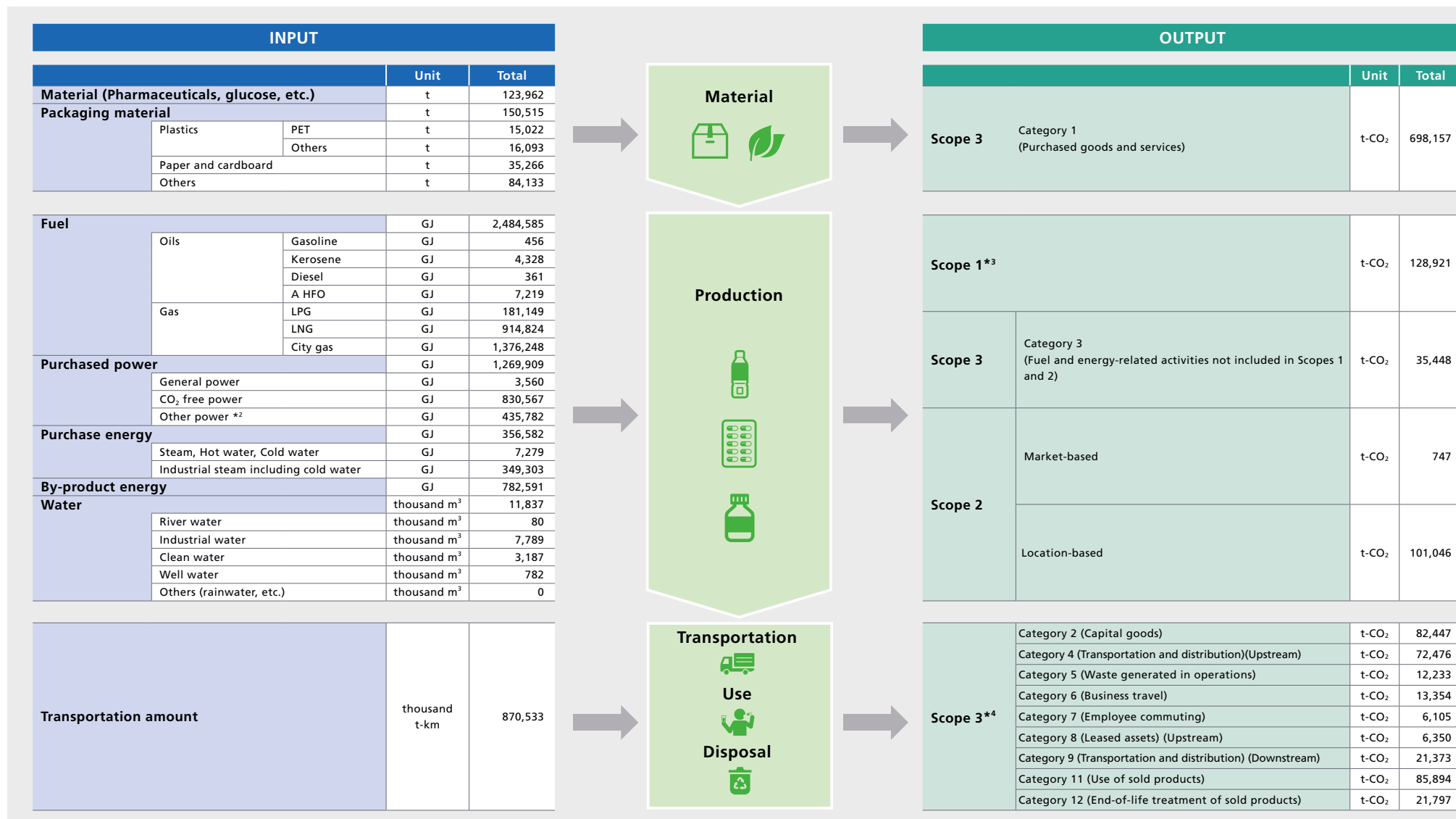
*1 Comply with national and regional laws and regulations *2 Five group companies: Otsuka Pharmaceutical, Otsuka Pharmaceutical Factory, Taiho Pharmaceutical, Otsuka Chemical, and Otsuka Foods

*3 Specially controlled industrial waste by Japanese regulations; in other countries, the classification is based on the respective national standards

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Material Balance over the Life Cycle of the Business*1



*1 Five group companies: Otsuka Pharmaceutical, Otsuka Pharmaceutical Factory, Taiho Pharmaceutical, Otsuka Chemical, and Otsuka Foods *2 Power generation by co-generation systems
 *3 Direct emissions from energy sources and Direct emissions from freon leak volume and during the production of carbonated beverages, etc *4 Categories 10 and 13 to 15 are not applicable