

◎年度ごとの温室効果ガス排出量の推移

			1990(前計画基準年)	2007	2008	2009	2010	2011	2012	2013(基準年)	2014	2015	2016	2017	2018	2019	2020	2021	2022(確定値)	1990年度比較		2013年度比較		前年度比較		
CO ₂	産業部門	t-CO ₂	1,314,660	855,495	772,928	743,143	694,043	751,226	795,318	753,664	660,110	762,906	719,176	718,354	659,520	531,440	487,871	475,933	416,947	△897,713	△68.3%	△336,717	△44.7%	△58,986	△12.4%	
	(製造業)	t-CO ₂	(1,138,724)	(769,539)	(700,236)	(671,348)	(629,988)	(676,264)	(718,628)	(688,603)	(599,428)	(702,503)	(660,166)	(661,334)	(609,314)	(486,797)	(437,859)	(431,333)	(371,558)	△767,166	△67.4%	△317,045	△46.0%	△59,775	△13.9%	
	(建設業・鉱業)	t-CO ₂	(80,830)	(30,371)	(26,567)	(21,380)	(22,095)	(30,931)	(34,632)	(28,456)	(27,927)	(29,029)	(27,619)	(28,656)	(27,018)	(25,379)	(26,806)	(26,228)	(25,449)	△55,381	△68.5%	△3,007	△10.6%	△779	△3.0%	
	(農林水産業)	t-CO ₂	(95,106)	(55,585)	(46,125)	(50,415)	(41,960)	(44,031)	(42,058)	(36,605)	(32,755)	(31,374)	(31,391)	(28,364)	(23,188)	(19,264)	(23,206)	(18,372)	(19,940)	△75,166	△79.0%	△16,665	△45.5%	1,568	8.5%	
	業務その他部門	t-CO ₂	348,163	394,526	461,342	395,770	366,388	450,914	551,343	535,254	518,438	492,055	400,513	398,246	405,579	381,072	350,838	371,066	399,185	51,022	14.7%	△136,069	△25.4%	28,119	7.6%	
	(公共・サービス)	t-CO ₂	(324,180)	(376,066)	(415,253)	(325,840)	(289,051)	(370,836)	(461,144)	(448,222)	(430,380)	(409,222)	(372,702)	(371,275)	(373,346)	(354,909)	(325,287)	(350,116)	(357,904)	33,724	10.4%	△90,318	△20.2%	7,788	2.2%	
	(水道・廃棄物)	t-CO ₂	(23,983)	(18,460)	(46,089)	(69,930)	(77,337)	(80,078)	(90,199)	(87,032)	(88,058)	(82,833)	(27,811)	(26,971)	(32,233)	(26,163)	(25,551)	(20,950)	(41,281)	17,298	72.1%	△45,751	△52.6%	20,331	97.0%	
	家庭部門	t-CO ₂	575,672	683,552	681,279	597,073	575,487	675,782	757,650	703,507	739,022	685,430	715,449	705,076	631,111	656,266	607,522	581,901	580,567	4,895	0.9%	△122,940	△17.5%	△1,334	△0.2%	
	運輸部門	t-CO ₂	643,124	728,439	702,776	724,812	698,004	707,447	692,315	714,975	707,592	706,100	613,903	583,430	653,553	654,116	643,988	644,848	591,856	△51,268	△8.0%	△123,119	△17.2%	△52,992	△8.2%	
	(自動車)	t-CO ₂	(490,246)	(562,384)	(550,012)	(545,941)	(539,524)	(537,685)	(536,200)	(535,483)	(532,268)	(530,143)	(436,961)	(409,390)	(485,386)	(481,799)	(477,294)	(477,503)	(411,676)	△78,570	△16.0%	△123,807	△23.1%	△65,827	△13.8%	
	(J R)	t-CO ₂	(2,795)	(2,570)	(2,448)	(2,635)	(2,580)	(2,529)	(3,293)	(3,260)	(2,826)	(2,787)	(2,271)	(2,346)	(2,182)	(2,151)	(2,121)	(1,916)	(1,985)	△810	△29.0%	△1,275	△39.1%	69	3.6%	
(船舶)	t-CO ₂	(150,083)	(163,485)	(150,316)	(176,236)	(155,900)	(167,233)	(152,822)	(176,232)	(172,498)	(173,170)	(174,671)	(171,694)	(165,985)	(170,166)	(164,573)	(165,429)	(178,195)	28,112	18.7%	1,963	1.1%	12,766	7.7%		
廃棄物分野	t-CO ₂	0	29,302	23,486	32,781	35,578	29,206	34,059	38,060	30,396	38,396	34,744	39,216	48,293	41,381	41,331	39,335	39,076	39,076	-	-	1,016	2.7%	△259	△0.7%	
小計	t-CO₂	2,881,619	2,691,314	2,641,811	2,493,579	2,369,500	2,614,575	2,830,685	2,745,460	2,655,558	2,684,887	2,483,785	2,444,322	2,398,056	2,264,275	2,131,550	2,113,083	2,027,631	△853,988	△29.6%	△717,829	△26.1%	△85,452	△4.0%		
CH ₄	自動車の走行	t-CO ₂	632	571	551	543	536	460	455	453	285	285	267	279	256	246	216	209	218	△414	△65.5%	△235	△51.9%	9	4.3%	
	一般廃棄物の焼却	t-CO ₂	8	3	2	2	2	2	2	2	2	2	2	2	2	2	2	5	5	△3	△37.5%	3	150.0%	0	0.0%	
	埋立処分場	t-CH ₄	8,550	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	14,250	5,700	66.7%	0	0.0%	0	0.0%
	排水処理	t-CO ₂	806	818	800	849	828	844	837	859	793	816	817	864	861	791	825	832	854	48	6.0%	△5	△0.6%	22	2.6%	
	水田	t-CO ₂	676	284	276	276	344	332	344	300	260	240	260	260	256	240	248	406	355	△321	△47.5%	55	18.3%	△51	△12.6%	
	家畜の飼育	t-CO ₂	4,476	2,629	2,629	2,629	2,629	2,833	2,833	2,833	2,833	2,833	2,833	1,649	1,767	1,661	1,576	1,529	1,119	1,150	△3,326	△74.3%	△1,683	△59.4%	31	2.8%
	家畜の排泄物の管理	t-CO ₂	392	247	249	249	249	249	249	249	249	249	98	107	112	93	89	71	73	△319	△81.4%	△176	△70.7%	2	2.8%	
	小計	t-CO₂	15,540	18,802	18,757	18,798	18,838	18,970	18,970	18,946	18,672	18,675	17,343	17,529	17,398	17,198	17,159	16,892	16,905	1,365	8.8%	△2,041	△10.8%	13	0.1%	
N ₂ O	自動車の走行	t-CO ₂	10,409	8,320	8,082	7,989	7,921	4,860	4,777	4,750	3,320	3,317	3,052	3,105	3,013	2,911	2,634	2,554	2,628	△7,781	△74.8%	△2,122	△44.7%	74	2.9%	
	一般廃棄物の焼却	t-CO ₂	796	1,740	1,633	1,594	1,600	1,532	1,544	1,535	1,523	1,532	1,508	1,484	1,520	1,579	1,511	930	915	119	14.9%	△620	△40.4%	△15	△1.6%	
	排水処理	t-CO ₂	1,588	1,928	1,815	1,898	1,865	1,898	1,892	1,931	1,779	1,830	1,836	1,922	1,877	1,719	1,797	1,585	1,627	915	39	2.5%	△304	△15.7%	42	2.6%
	家畜の排泄物の管理	t-CO ₂	4,545	2,906	2,947	2,947	2,947	2,947	2,947	2,947	1,290	1,290	381	414	480	349	331	268	283	283	△4,262	△93.8%	△2,664	△90.4%	15	5.6%
	耕地における肥料の使用	t-CO ₂	751	483	489	468	480	453	438	432	387	384	343	337	319	316	304	295	280	280	△471	△62.7%	△152	△35.2%	△15	△5.1%
	小計	t-CO₂	18,089	15,377	14,966	14,896	14,813	11,690	11,598	11,595	8,299	8,353	7,120	7,262	7,209	6,874	6,577	5,632	5,733	△12,356	△68.3%	△5,862	△50.6%	101	1.8%	
HFC	冷媒	t-CO ₂	2,500	32,429	37,627	41,871	47,062	52,979	59,787	79,144	88,309	96,082	103,882	109,100	113,762	120,301	125,864	124,261	106,456	103,956	4158.2%	27,312	34.5%	△17,805	△14.3%	
	発泡	t-CO ₂	1,345	899	811	802	799	808	802	6,083	6,437	6,661	7,079	7,435	7,689	7,822	7,645	7,380	6,443	5,098	379.0%	360	5.9%	△937	△12.7%	
	消火剤	t-CO ₂	0	17	17	19	19	19	19	25	25	25	25	26	26	26	26	25	23	23	-	△2	△8.0%	△2	△8.0%	
	エアゾール	t-CO ₂	4,063	2,410	2,524	2,238	1,757	1,668	1,456	1,334	1,366	1,448	1,567	1,593	1,431	1,502	1,722	1,503	1,059	△3,004	△73.9%	△275	△20.6%	△444	△29.5%	
	小計	t-CO₂	7,908	35,755	40,979	44,930	49,637	55,474	62,064	86,586	96,137	104,216	112,553	118,154	122,908	129,651	135,257	133,169	113,981	106,073	1341.3%	27,395	31.6%	△19,188	△14.4%	
PFC	溶剤	t-CO ₂	123	25	22	25	30	24	28	36	34	64	28	37	21	28	28	28	28	△95	△77.2%	△8	△22.2%	0	0.0%	
	小計	t-CO₂	123	25	22	25	30	24	28	36	34	64	28	37	21	28	28	28	28	△95	△77.2%	△8	△22.2%	0	0.0%	
SF ₆	電気絶縁ガス使用機器	t-CO ₂	18,066	1,487	1,541	1,262	1,087	1,309	1,268	1,071	1,028	968	1,042	923	852	864	842	899	895	895	△17,171	△95.0%	△176	△16.4%	△4	△0.4%
	小計	t-CO₂	18,066	1,487	1,541	1,262	1,087	1,309	1,268	1,071	1,028	968	1,042	923	852	864	842	899	895	△17,171	△95.0%	△176	△16.4%	△4	△0.4%	
合計	t-CO₂	2,941,345	2,762,760	2,718,076	2,573,490	2,453,905	2,702,042	2,924,613	2,863,694	2,779,728	2,817,163	2,621,871	2,588,227	2,546,444	2,418,890	2,291,413	2,269,703	2,165,173	△776,172	△26.4%	△698,521	△24.4%	△104,530	△4.6%		
吸収量	t-CO₂	-	-	-	-	-	-	-	-	-	93,195	93,909	93,220	92,680	92,890	89,830	89,499	92,251	85,667	-	-	-	-	△6,584	△7.1%	
合計(吸収量差引き後)	t-CO₂	2,941,345	2,762,760	2,718,076	2,573,490	2,453,905	2,702,042	2,924,613	2,863,694	2,686,533	2,723,254	2,528,651														