

表1-1 ガス種別排出量の推移

	基準年	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
二酸化炭素 (CO2)	1,144	1,143	1,153	1,161	1,154	1,213	1,227	1,239	1,235	1,199	1,234	1,255	1,239	1,277	1,284	1,283	1,287	1,270	1,304
メタン (CH4)	33	33	32	32	32	31	30	30	28	28	27	26	26	25	24	24	23	23	23
一酸化二窒素 (N2O)	33	32	31	32	31	32	33	34	35	33	27	29	26	25	25	25	25	25	24
ハイドロフルオロカーボン類 (HFCs)	20						20	20	20	19	20	19	16	14	14	11	11	12	13
パーフルオロカーボン類 (PFCs)	14						14	15	16	14	11	10	8	7	7	8	7	7	6
六ふっ化硫黄 (SF6)	17						17	18	15	14	9	7	6	6	5	5	5	5	4
計	1,261	1,208	1,216	1,224	1,217	1,277	1,341	1,355	1,349	1,306	1,327	1,346	1,320	1,354	1,360	1,355	1,358	1,342	1,374

単位：百万t-CO2

表2-1 CO2排出量の推移（直接排出、1990～2007）

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
燃料の燃焼	1,059,144	1,066,628	1,073,685	1,067,560	1,122,950	1,135,267	1,147,124	1,143,367	1,113,061	1,147,913	1,166,918	1,153,299	1,193,019	1,198,285	1,198,694	1,203,302	1,185,891	1,219,245
エネルギー転換部門	317,760	320,304	327,020	308,959	349,637	337,868	337,751	334,253	324,061	341,336	348,484	340,211	371,369	385,208	381,735	397,846	387,282	440,281
産業部門	390,068	385,983	377,197	375,411	382,517	386,641	395,632	396,834	373,062	379,482	389,013	378,212	384,900	384,439	389,506	381,823	387,809	386,703
非製造業	36,414	38,582	38,784	38,387	37,664	36,656	37,404	36,391	34,835	33,581	30,981	29,586	28,660	27,363	26,845	25,940	25,761	25,509
製造業	353,654	347,401	338,413	337,024	344,853	349,984	358,228	360,443	338,228	345,902	358,032	348,626	356,240	357,076	362,661	355,883	362,049	361,193
運輸部門	211,054	222,467	226,860	231,728	243,681	251,161	256,737	258,736	257,852	260,041	259,204	261,753	256,577	254,503	254,453	249,534	246,335	241,587
旅客	106,150	113,186	117,938	122,459	129,793	135,205	140,818	145,952	147,660	151,034	151,228	154,359	153,575	153,578	152,530	149,277	146,014	143,356
貨物	104,903	109,278	108,922	109,267	113,887	115,969	115,922	112,783	110,191	109,006	108,002	107,529	103,184	100,925	101,948	100,368	100,324	98,230
民生部門	140,262	137,874	142,608	151,462	147,115	159,598	157,004	153,544	158,086	167,054	170,216	173,123	180,172	174,135	173,000	174,099	164,465	150,674
家庭	56,668	57,181	60,535	64,937	61,688	66,320	66,097	64,981	64,580	66,528	68,958	65,570	68,114	65,083	64,349	67,775	63,650	62,777
業務	83,593	80,693	82,073	86,525	85,427	93,277	90,907	88,563	93,506	100,526	101,258	107,553	112,059	109,052	108,651	106,324	100,814	87,896
燃料からの漏出	37	54	57	53	51	51	49	48	43	38	36	32	31	34	35	38	36	38
工業プロセス	62,269	63,824	63,478	62,722	64,008	64,223	63,989	62,261	56,198	56,195	56,839	54,715	52,578	52,215	52,556	53,858	53,862	53,730
廃棄物	21,752	22,126	23,627	23,232	26,463	27,033	27,765	29,181	29,595	29,724	30,843	30,755	31,074	33,381	31,227	30,137	30,387	30,769
合計	1,143,201	1,152,632	1,160,847	1,153,568	1,213,472	1,226,575	1,238,928	1,234,857	1,198,896	1,233,871	1,254,636	1,238,801	1,276,701	1,283,917	1,282,512	1,287,335	1,270,177	1,303,781

単位：千t-CO2

表2-2 CO2排出量の推移（間接排出、1990～2007）

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
燃料の燃焼	1,059,144	1,066,628	1,073,685	1,067,560	1,122,950	1,135,267	1,147,124	1,143,367	1,113,061	1,147,913	1,166,918	1,153,299	1,193,019	1,198,285	1,198,694	1,203,302	1,185,891	1,219,245
エネルギー転換部門	67,834	68,777	68,979	67,177	73,975	72,992	71,474	72,270	73,146	72,094	70,766	68,938	76,654	73,793	73,889	79,346	76,975	82,952
産業部門	482,169	476,071	466,386	455,314	472,932	471,456	480,149	480,430	444,846	456,433	467,272	450,103	462,014	466,355	466,748	455,678	457,886	470,935
非製造業	38,556	40,562	40,912	40,259	39,846	38,599	39,492	38,159	36,424	35,306	32,606	31,143	30,238	28,903	28,293	27,078	26,833	26,638
製造業	443,612	435,508	425,474	415,055	433,086	432,858	440,657	442,271	408,421	421,127	434,667	418,960	431,775	437,451	438,455	428,600	431,053	444,297
運輸部門	217,379	228,857	233,455	237,971	250,404	257,574	263,019	264,795	263,742	266,210	265,449	267,996	263,359	261,700	261,518	256,711	253,224	249,203
旅客	112,068	119,186	124,122	128,336	136,140	141,784	146,746	151,675	153,239	156,874	157,618	160,661	160,370	160,395	159,839	156,050	152,545	150,578
貨物	105,312	109,671	109,333	109,635	114,264	115,790	116,273	113,120	110,503	109,336	107,830	107,334	102,989	101,305	101,679	100,661	100,680	98,625
民生部門	291,762	292,923	304,865	307,098	325,639	333,245	332,482	325,871	331,327	353,177	363,431	366,262	390,991	396,438	396,538	411,568	397,806	416,154
家庭	127,450	129,371	136,409	137,920	145,018	148,105	147,826	144,309	143,928	151,915	157,537	153,726	165,441	167,524	167,558	174,417	165,949	179,968
業務	164,311	163,552	168,456	169,178	180,621	185,141	184,656	181,563	187,400	201,262	205,894	212,536	225,550	228,913	228,981	237,150	231,857	236,186
燃料からの漏出	37	54	57	53	51	51	49	48	43	38	36	32	31	34	35	38	36	38
工業プロセス	62,269	63,824	63,478	62,722	64,008	64,223	63,989	62,261	56,198	56,195	56,839	54,715	52,578	52,215	52,556	53,858	53,862	53,730
廃棄物	21,752	22,126	23,627	23,232	26,463	27,033	27,765	29,181	29,595	29,724	30,843	30,755	31,074	33,381	31,227	30,137	30,387	30,769
合計	1,143,201	1,152,632	1,160,847	1,153,568	1,213,472	1,226,575	1,238,928	1,234,857	1,198,896	1,233,871	1,254,636	1,238,801	1,276,701	1,283,917	1,282,512	1,287,335	1,270,177	1,303,781

単位：千t-CO2

表3-2 部門別の活動量推移（1990～2007）

部門	指標	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
エネルギー転換部門	発電量 (TJ)	2,691,329	2,772,951	2,798,467	2,810,007	3,007,925	3,071,160	3,130,857	3,197,131	3,215,150	3,265,659	3,333,294	3,264,388	3,318,159	3,266,349	3,362,514	3,447,733	3,538,563	3,563,095
産業部門																			
非製造業	<農林生産指数>	100	95.9	98.9	90.3	97.8	93.8	91.9	91.9	86	87.1	87	85.3	84.2	80.9	81.5	82.2		
製造業	鉱工業生産指数	100	99.3	93.4	90	92.8	94.8	97.9	99	92.3	94.7	98.7	89.7	92.2	95.5	99.3	100.9	104.8805	107.5697
運輸部門																			
旅客	旅客輸送量(100万人km)	1,298,437	1,330,964	1,353,316	1,355,779	1,367,313	1,388,126	1,408,564	1,418,812	1,424,358	1,424,492	1,419,697	1,425,182	1,425,524	1,426,551	1,418,412	1,411,501	1,403,381	1,412,732
貨物	貨物輸送量(100万t km)	546,785	559,947	557,072	535,662	547,691	559,003	573,196	568,880	551,554	560,161	578,000	580,710	570,733	563,874	569,999	570,443	578,670	582,242
民生部門																			
家庭	世帯数(千世帯)	41,797	42,458	43,077	43,666	44,236	44,831	45,498	46,157	46,812	47,420	48,015	48,638	49,261	49,838	50,382	51,102	51,713	52,235
業務	床面積(100万m2)	1,286	1,326	1,364	1,406	1,453	1,493	1,530	1,564	1,601	1,631	1,656	1,686	1,702	1,722	1,739	1,759	1,776	1,793