

TABLE 10 EMISSIONS TRENDS (CO₂)
(Sheet 1 of 5)
(Part 1 of 2)

Inventory 2004
Submission 2006 v1.3
NEW ZEALAND

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year (1990)	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
1. Energy	22,706.8638	23,093.4818	24,850.9794	24,132.2253	24,331.9909	24,176.0571	25,228.4128	27,517.6374	26,053.5464	27,343.3145
A. Fuel Combustion (Sectoral Approach)	22,085.7748	22,385.8516	24,176.4239	23,498.1334	23,654.6081	23,540.2235	24,579.5691	26,816.3788	25,379.5441	26,713.6633
1. Energy Industries	6,033.0866	6,107.8172	7,556.5118	6,541.0043	6,541.0043	5,414.0048	4,678.4263	5,254.0881	6,866.0079	5,190.1918
2. Manufacturing Industries and Construction	4,568.3961	4,972.3336	4,617.6227	4,737.1246	5,159.9412	5,050.5596	5,556.9727	5,940.6411	6,015.4325	5,693.0523
3. Transport	8,632.8050	8,639.9631	9,024.7479	9,440.6414	10,143.7333	10,855.8742	10,941.5881	11,257.7299	11,448.8523	11,698.5632
4. Other Sectors	2,851.4871	2,665.7377	2,977.5416	2,779.3630	2,936.9287	2,955.3635	2,826.9201	2,752.0000	2,725.0675	2,902.7393
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	621.0890	707.6302	674.5555	634.0919	677.3827	635.8335	648.8436	701.2586	674.0023	629.6511
1. Solid Fuels	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE
2. Oil and Natural Gas	621.0890	707.6302	674.5555	634.0919	677.3827	635.8335	648.8436	701.2586	674.0023	629.6511
2. Industrial Processes	2,666.5221	2,791.5537	2,897.8142	3,043.7973	2,948.2050	3,024.9704	2,993.7832	2,896.5588	3,053.4448	3,217.3820
A. Mineral Products	453.9916	442.8743	506.2298	559.2469	572.2439	592.6055	587.8326	605.7003	581.2946	645.1438
B. Chemical Industry	425.2064	440.0643	402.0251	423.8701	448.3287	443.2651	409.7422	434.2864	479.1388	526.0127
C. Metal Production	1,787.3242	1,908.6151	1,989.5593	2,060.6803	1,927.6325	2,009.0998	1,996.2084	1,856.5722	1,993.0114	2,046.2255
D. Other Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Production of Halocarbons and SF ₆										
F. Consumption of Halocarbons and SF ₆										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	IE,NA	IE,NA	IE,NA	IE,NA	IE,NA	IE,NA	IE,NA	IE,NA	IE,NA	IE,NA
4. Agriculture										
A. Enteric Fermentation										
B. Manure Management										
C. Rice Cultivation										
D. Agricultural Soils										
E. Prescribed Burning of Savannas										
F. Field Burning of Agricultural Residues										
G. Other										
5. Land Use, Land-Use Change and Forestry⁽²⁾	-19,080.9481	-17,645.4924	-15,901.9652	-14,755.1406	-14,379.2003	-15,231.0386	-15,561.8086	-17,238.4406	-19,456.1860	-20,056.0790
A. Forest Land	-19,754.8928	-18,355.7985	-16,637.5163	-15,521.2508	-15,181.1867	-16,038.7580	-16,376.8575	-18,062.4138	-20,324.1423	-20,968.0173
B. Cropland	-501.3169	-504.7750	-508.2323	-511.6903	-515.1476	-518.6053	-522.0629	-525.5202	-528.9779	-532.4363
C. Grassland	704.2152	701.5166	698.8179	696.1196	693.4217	690.7230	688.0251	685.3260	682.6274	679.9291
D. Wetlands	0.7223	0.7223	0.7223	0.7223	0.7223	0.7223	0.7223	0.7223	0.7223	0.7223
E. Settlements	97.1575	97.1575	97.1575	97.1575	97.1575	97.1575	97.1575	97.1575	97.1575	97.1575
F. Other Land	26.7417	27.5576	28.3734	29.1889	30.0054	30.8213	31.6371	32.4526	33.2688	34.0842
G. Other	346.4248	388.1271	418.7122	454.6123	495.8271	506.9005	519.5697	533.8350	583.1583	632.4815
6. Waste	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO
A. Solid Waste Disposal on Land	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE
B. Waste-water Handling										
C. Waste Incineration	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in Summary I.A)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO₂ emissions including net CO₂ from LULUCF⁽³⁾	6,292.4377	8,239.5430	11,846.8284	12,420.8820	12,900.9956	11,969.9889	12,660.3873	13,175.7556	9,650.8051	10,504.6175
Total CO₂ emissions excluding net CO₂ from LULUCF⁽³⁾	25,373.3859	25,885.0355	27,748.7936	27,176.0226	27,280.1959	27,201.0275	28,222.1959	30,414.1962	29,106.9911	30,560.6965
Memo Items:										
International Bunkers	2,374.1613	2,194.8700	2,177.5539	2,244.2893	2,755.2214	2,692.8896	2,696.3615	2,819.7338	2,772.8555	2,856.9977
Aviation	1,340.9830	1,281.6762	1,311.1985	1,329.6277	1,431.6214	1,568.6113	1,634.7244	1,708.8468	1,700.5404	1,942.0746
Marine	1,033.1784	913.1938	866.3554	914.6616	1,323.6000	1,124.2783	1,061.6371	1,110.8870	1,072.3151	914.9232
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO₂ Emissions from Biomass	2,600.7087	2,792.9516	2,662.0549	2,692.7771	3,170.0048	3,200.5740	3,145.3945	2,960.7580	3,091.2663	3,805.4396

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSIONS TRENDS (CO₂)
(Sheet 1 of 5)
(Part 2 of 2)

Inventory 2004
Submission 2006 v1.3
NEW ZEALAND

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	Change from base to latest reported year
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	%
1. Energy	27,868.1551	29,781.2021	29,781.8879	31,206.4826	30,588.6023	34.7108
A. Fuel Combustion (Sectoral Approach)	27,280.8523	29,152.8588	29,178.8454	30,562.6502	29,706.0778	34.5032
1. Energy Industries	6,049.7275	7,265.5471	6,421.7353	7,518.5162	7,158.6831	18.6571
2. Manufacturing Industries and Construction	5,899.0642	6,007.2631	6,317.6916	5,876.3360	5,026.1673	10.0204
3. Transport	12,281.1819	12,657.6878	13,230.7051	13,787.2979	14,110.3276	63.4501
4. Other Sectors	3,050.8787	3,222.3609	3,208.7135	3,380.5001	3,410.8998	19.6183
5. Other	NA	NA	NA	NA	NA	0.0000
B. Fugitive Emissions from Fuels	587.3028	628.3433	603.0424	643.8324	882.5245	42.0931
1. Solid Fuels	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	0.0000
2. Oil and Natural Gas	587.3028	628.3433	603.0424	643.8324	882.5245	42.0931
2. Industrial Processes	3,168.6277	3,260.6654	3,248.1562	3,474.5673	3,450.2965	29.3931
A. Mineral Products	637.2197	634.9222	659.4324	645.3028	612.7920	34.9787
B. Chemical Industry	512.5027	555.3167	537.6845	570.3253	553.7041	30.2201
C. Metal Production	2,018.9053	2,070.4264	2,051.0392	2,258.9393	2,283.8003	27.7776
D. Other Production	NA	NA	NA	NA	NA	0.0000
E. Production of Halocarbons and SF ₆						
F. Consumption of Halocarbons and SF ₆						
G. Other	NA	NA	NA	NA	NA	0.0000
3. Solvent and Other Product Use	IE,NA	IE,NA	IE,NA	IE,NA	IE,NA	0.0000
4. Agriculture						
A. Enteric Fermentation						
B. Manure Management						
C. Rice Cultivation						
D. Agricultural Soils						
E. Prescribed Burning of Savannas						
F. Field Burning of Agricultural Residues						
G. Other						
5. Land Use, Land-Use Change and Forestry⁽²⁾	-20,322.2994	-20,617.0525	-21,342.4420	-22,836.2644	-24,565.4034	28.7431
A. Forest Land	-21,278.2216	-21,616.9564	-22,339.1821	-23,813.3998	-25,506.4924	29.1148
B. Cropland	-535.8936	-539.3520	-542.8093	-546.2666	-549.7246	9.6561
C. Grassland	677.2311	674.5325	671.8334	669.1351	666.4376	-5.3645
D. Wetlands	0.7223	0.7223	0.7223	0.7223	0.7223	0.0000
E. Settlements	97.1575	97.1575	97.1575	97.1575	97.1575	0.0000
F. Other Land	34.9001	35.7155	36.5321	37.3483	38.1638	42.7124
G. Other	681.8048	731.1281	733.3040	719.0388	688.3325	98.6961
6. Waste	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	0.0000
A. Solid Waste Disposal on Land	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	0.0000
B. Waste-water Handling						
C. Waste Incineration	NE	NE	NE	NE	NE	0.0000
D. Other	NO	NO	NO	NO	NO	0.0000
7. Other (as specified in Summary 1.A)	NA	NA	NA	NA	NA	0.0000
Total CO₂ emissions including net CO₂ from LULUCF⁽³⁾	10,714.4834	12,424.8149	11,687.6020	11,844.7855	9,473.4954	50.5537
Total CO₂ emissions excluding net CO₂ from LULUCF⁽³⁾	31,036.7828	33,041.8675	33,030.0440	34,681.0500	34,038.8988	34.1520
Memo Items:						
International Bunkers	2,502.2225	2,670.4168	2,974.4184	3,023.2488	3,303.6052	39.1483
Aviation	1,756.6747	1,879.9517	1,918.7194	2,230.2458	2,564.6846	91.2541
Marine	745.5478	790.4651	1,055.6991	793.0030	738.9206	-28.4808
Multilateral Operations	NE	NE	NE	NE	NE	0.0000
CO₂ Emissions from Biomass	3,887.2160	3,350.0029	3,514.6333	3,568.4617	3,795.9545	45.9585

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSIONS TRENDS (CH₄)
(Sheet 2 of 5)
(Part 1 of 2)

Inventory 2004
Submission 2006 v1.3
NEW ZEALAND

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year (1990)	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
Total CH₄ emissions	1,209,7849	1,202,2880	1,197,9749	1,214,5979	1,229,5752	1,234,3949	1,242,2683	1,251,0298	1,251,9013	1,257,7778
1. Energy	37,9536	32,7691	32,4263	31,6342	33,2924	35,6644	35,4820	37,2103	40,0391	42,1062
A. Fuel Combustion (Sectoral Approach)	9,9902	9,7097	9,7144	9,6151	8,9541	8,4997	7,8650	7,4257	6,8378	6,2708
1. Energy Industries	0,2628	0,2806	0,3179	0,2935	0,2372	0,1934	0,2176	0,2712	0,2035	0,2571
2. Manufacturing Industries and Construction	0,3815	0,4218	0,3951	0,4023	0,4877	0,5116	0,5358	0,5299	0,5532	0,6509
3. Transport	7,1163	7,1486	7,1800	7,2002	6,7770	6,3722	5,7388	5,2685	4,7400	4,0796
4. Other Sectors	2,2296	1,8587	1,8214	1,7191	1,4522	1,4225	1,3727	1,3562	1,3410	1,2832
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	27,9635	23,0594	22,7120	22,0191	24,3383	27,1646	27,6170	29,7846	33,2013	35,8354
1. Solid Fuels	12,9584	8,7340	9,0388	8,6082	10,1859	13,4714	13,9432	13,8761	16,2593	16,8421
2. Oil and Natural Gas	15,0051	14,3254	13,6732	13,4109	14,1524	13,6932	13,6738	15,9085	16,9420	18,9933
2. Industrial Processes	0,9600	1,6400	1,3900	1,5600	1,9560	2,7480	3,6930	3,8100	3,5870	4,0000
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	0,9600	1,6400	1,3900	1,5600	1,9560	2,7480	3,6930	3,8100	3,5870	4,0000
C. Metal Production	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO
D. Other Production										
E. Production of Halocarbons and SF ₆										
F. Consumption of Halocarbons and SF ₆										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use										
4. Agriculture	1,055,1842	1,051,1250	1,048,7931	1,064,0057	1,077,2756	1,088,6403	1,094,5745	1,101,7648	1,104,5230	1,114,9450
A. Enteric Fermentation	1,026,3797	1,022,1559	1,019,5196	1,033,9559	1,046,2922	1,056,7959	1,062,1198	1,069,0095	1,071,7445	1,081,8407
B. Manure Management	27,7760	27,9207	28,2470	29,0098	29,9539	30,8191	31,3936	31,6516	31,6939	32,0758
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
E. Prescribed Burning of Savannas	0,1342	0,1329	0,1272	0,1024	0,0810	0,0654	0,0593	0,0532	0,0402	0,0365
F. Field Burning of Agricultural Residues	0,8943	0,9155	0,8993	0,9377	0,9485	0,9600	1,0018	1,0504	1,0445	0,9919
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Land Use, Land-Use Change and Forestry	4,4541	4,1115	4,6422	5,8674	6,5699	6,3428	7,1304	7,7362	6,3707	5,6865
A. Forest Land	1,7228	1,8703	2,5084	3,3660	3,8729	3,5322	4,4310	4,2647	2,9509	2,4804
B. Cropland	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
C. Grassland	2,7313	2,2412	2,1338	2,5014	2,6970	2,8106	2,6994	3,4714	3,4198	3,2061
D. Wetlands	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Settlements	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
F. Other Land	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
6. Waste	111,2329	112,6424	110,7233	111,5305	110,4813	100,9995	101,3884	100,5086	97,3816	91,0400
A. Solid Waste Disposal on Land	103,7729	105,1424	103,1933	103,9705	102,8913	93,3695	93,7284	92,8186	89,6616	83,2800
B. Waste-water Handling	7,4600	7,5000	7,5300	7,5600	7,5900	7,6300	7,6600	7,6900	7,7200	7,7600
C. Waste Incineration	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in Summary I.A)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Memo Items:										
International Bunkers	0,1345	0,1221	0,1181	0,1230	0,1641	0,1494	0,1450	0,1515	0,1475	0,1394
Aviation	0,0378	0,0361	0,0369	0,0375	0,0403	0,0442	0,0461	0,0482	0,0479	0,0547
Marine	0,0967	0,0860	0,0811	0,0855	0,1034	0,1052	0,0990	0,1034	0,0996	0,0847
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO₂ Emissions from Biomass										

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSIONS TRENDS (CH₄)
(Sheet 2 of 5)
(Part 2 of 2)

Inventory 2004
Submission 2006 v1.3
NEW ZEALAND

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	Change from base to latest reported year
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	%
Total CH₄ emissions	1,274.8826	1,289.6467	1,286.7472	1,285.6731	1,288.7634	6.5283
1. Energy	40.4280	41.8136	41.0562	39.9839	37.8216	-0.3480
A. Fuel Combustion (Sectoral Approach)	5.8039	5.2535	4.8529	4.4290	4.5256	-54.6994
1. Energy Industries	0.2488	0.2932	0.2477	0.2411	0.1776	-32.4135
2. Manufacturing Industries and Construction	0.6772	0.5965	0.6312	0.5867	0.6563	72.0506
3. Transport	3.6496	3.2445	2.9055	2.4715	2.5471	-64.2070
4. Other Sectors	1.2283	1.1193	1.0685	1.1297	1.1445	-48.6661
5. Other	NA	NA	NA	NA	NA	0.0000
B. Fugitive Emissions from Fuels	34.6241	36.5600	36.2034	35.5549	33.2960	19.0695
1. Solid Fuels	16.1922	16.9739	16.8609	15.8215	14.8514	14.6086
2. Oil and Natural Gas	18.4319	19.5862	19.3425	19.7334	18.4445	22.9220
2. Industrial Processes	4.8213	4.2600	4.5628	1.9354	2.1756	126.6269
A. Mineral Products	NA	NA	NA	NA	NA	0.0000
B. Chemical Industry	4.8213	4.2600	4.5628	1.9354	2.1756	126.6269
C. Metal Production	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	0.0000
D. Other Production						
E. Production of Halocarbons and SF ₆						
F. Consumption of Halocarbons and SF ₆						
G. Other	NA	NA	NA	NA	NA	0.0000
3. Solvent and Other Product Use						
4. Agriculture	1,133.3803	1,150.2262	1,150.8179	1,155.5806	1,165.3750	10.4428
A. Enteric Fermentation	1,099.6123	1,115.5857	1,115.4973	1,119.7129	1,129.2846	10.0260
B. Manure Management	32.7361	33.5542	34.2093	34.8421	35.5180	27.8729
C. Rice Cultivation	NO	NO	NO	NO	NO	0.0000
D. Agricultural Soils	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	0.0000
E. Prescribed Burning of Savannas	0.0384	0.0439	0.0404	0.0401	0.0331	-75.3231
F. Field Burning of Agricultural Residues	0.9935	1.0424	1.0710	0.9856	0.5393	-39.6986
G. Other	NO	NO	NO	NO	NO	0.0000
5. Land Use, Land-Use Change and Forestry	4.6087	4.4829	4.2616	4.0672	3.5785	-19.6574
A. Forest Land	2.3133	2.3488	1.9170	1.8589	1.4997	-12.9503
B. Cropland	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
C. Grassland	2.2954	2.1342	2.3446	2.2083	2.0788	-23.8881
D. Wetlands	NO	NO	NO	NO	NO	0.0000
E. Settlements	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	0.0000
F. Other Land	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	0.0000
G. Other	NO	NO	NO	NO	NO	0.0000
6. Waste	91.6443	88.8640	86.0486	84.1060	79.8126	-28.2473
A. Solid Waste Disposal on Land	83.8543	81.0440	78.1886	76.1960	71.8626	-30.7501
B. Waste-water Handling	7.7900	7.8200	7.8600	7.9100	7.9500	6.5684
C. Waste Incineration	NE	NE	NE	NE	NE	0.0000
D. Other	NO	NO	NO	NO	NO	0.0000
7. Other (as specified in Summary 1.A)	NA	NA	NA	NA	NA	0.0000
A. International Bunkers	0.1184	0.1261	0.1517	0.1399	0.1410	4.8217
Aviation	0.0495	0.0530	0.0541	0.0643	0.0723	91.2567
Marine	0.0689	0.0731	0.0977	0.0757	0.0687	-28.9608
B. Multilateral Operations	NE	NE	NE	NE	NE	0.0000
CO₂ Emissions from Biomass						

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSIONS TRENDS (N₂O)
(Sheet 3 of 5)
(Part 1 of 2)

Inventory 2004
Submission 2006 v1.3
NEW ZEALAND

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year (1990)	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
Total N₂O emissions	33.2481	33.3015	33.5603	34.4344	35.3726	36.0784	36.4313	36.7494	36.9578	37.6278
1. Energy	0.4879	0.4858	0.5244	0.5442	0.5875	0.6229	0.6320	0.6542	0.6575	0.7054
A. Fuel Combustion (Sectoral Approach)	0.4879	0.4858	0.5244	0.5442	0.5875	0.6229	0.6320	0.6542	0.6575	0.7054
1. Energy Industries	0.0205	0.0164	0.0298	0.0208	0.0185	0.0193	0.0209	0.0317	0.0222	0.0296
2. Manufacturing Industries and Construction	0.1185	0.1263	0.1172	0.1215	0.1423	0.1388	0.1395	0.1339	0.1388	0.1610
3. Transport	0.2403	0.2427	0.2603	0.2797	0.3068	0.3403	0.3498	0.3654	0.3750	0.3880
4. Other Sectors	0.1085	0.1003	0.1171	0.1223	0.1200	0.1244	0.1218	0.1232	0.1215	0.1267
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO
1. Solid Fuels	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE
2. Oil and Natural Gas	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO
2. Industrial Processes	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production										
E. Production of Halocarbons and SF ₆										
F. Consumption of Halocarbons and SF ₆										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3. Solvent and Other Product Use	0.1340	0.1380	0.1390	0.1410	0.1430	0.1450	0.1480	0.1490	0.1500	0.1510
4. Agriculture	32.1217	32.1755	32.3810	33.2249	34.1130	34.7730	35.1084	35.3991	35.6026	36.2283
A. Enteric Fermentation										
B. Manure Management	0.1224	0.1231	0.1255	0.1322	0.1430	0.1511	0.1571	0.1611	0.1659	0.1718
C. Rice Cultivation										
D. Agricultural Soils	31.9768	32.0295	32.2333	33.0698	33.9474	34.5993	34.9279	35.2136	35.4127	36.0339
E. Prescribed Burning of Savannas	0.0017	0.0016	0.0016	0.0013	0.0010	0.0008	0.0007	0.0007	0.0005	0.0005
F. Field Burning of Agricultural Residues	0.0208	0.0212	0.0207	0.0215	0.0216	0.0218	0.0226	0.0237	0.0234	0.0221
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
5. Land Use, Land-Use Change and Forestry	0.0306	0.0283	0.0319	0.0403	0.0452	0.0436	0.0490	0.0532	0.0438	0.0391
A. Forest Land	0.0118	0.0129	0.0172	0.0231	0.0266	0.0243	0.0305	0.0293	0.0203	0.0171
B. Cropland	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO
C. Grassland	0.0188	0.0154	0.0147	0.0172	0.0185	0.0193	0.0186	0.0239	0.0235	0.0220
D. Wetlands	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
E. Settlements	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
F. Other Land	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO
G. Other	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
6. Waste	0.4739	0.4739	0.4839	0.4839	0.4839	0.4939	0.4939	0.4939	0.5039	0.5039
A. Solid Waste Disposal on Land										
B. Waste-water Handling	0.4739	0.4739	0.4839	0.4839	0.4839	0.4939	0.4939	0.4939	0.5039	0.5039
C. Waste Incineration	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
7. Other (as specified in Summary I.A)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Memo Items:										
International Bunkers	0.0654	0.0607	0.0601	0.0619	0.0757	0.0743	0.0743	0.0777	0.0764	0.0789
Aviation	0.0378	0.0361	0.0369	0.0375	0.0403	0.0442	0.0461	0.0482	0.0479	0.0547
Marine	0.0276	0.0246	0.0232	0.0244	0.0354	0.0301	0.0283	0.0295	0.0284	0.0242
Multilateral Operations	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
CO₂ Emissions from Biomass										

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSIONS TRENDS (N₂O)
(Sheet 3 of 5)
(Part 2 of 2)

Inventory 2004
Submission 2006 v1.3
NEW ZEALAND

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	Change from base to latest reported year
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	
Total N₂O emissions	38.7828	40.2425	41.2905	42.1860	41.5443	24.9524
1. Energy	0.7387	0.7505	0.7840	0.8384	0.8550	75.2332
A. Fuel Combustion (Sectoral Approach)	0.7387	0.7505	0.7840	0.8384	0.8550	75.2332
1. Energy Industries	0.0252	0.0342	0.0326	0.0592	0.0709	245.0992
2. Manufacturing Industries and Construction	0.1660	0.1507	0.1561	0.1645	0.1714	44.6727
3. Transport	0.4154	0.4285	0.4520	0.4713	0.4819	100.5137
4. Other Sectors	0.1321	0.1371	0.1433	0.1434	0.1308	20.4753
5. Other	NA	NA	NA	NA	NA	0.0000
B. Fugitive Emissions from Fuels	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	IE,NA,NE,NO	0.0000
1. Solid Fuels	NA,NE	NA,NE	NA,NE	NA,NE	NA,NE	0.0000
2. Oil and Natural Gas	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO	IE,NE,NO	0.0000
2. Industrial Processes	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
A. Mineral Products	NA	NA	NA	NA	NA	0.0000
B. Chemical Industry	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
C. Metal Production	NA	NA	NA	NA	NA	0.0000
D. Other Production						
E. Production of Halocarbons and SF ₆						
F. Consumption of Halocarbons and SF ₆						
G. Other	NA	NA	NA	NA	NA	0.0000
3. Solvent and Other Product Use	0.1520	0.1530	0.1560	0.1560	0.1560	16.4179
4. Agriculture	37.3565	38.7942	39.8072	40.6382	39.9800	24.4642
A. Enteric Fermentation						
B. Manure Management	0.1783	0.1861	0.1917	0.1970	0.2048	67.4087
C. Rice Cultivation						
D. Agricultural Soils	37.1557	38.5843	39.5911	40.4186	39.7627	24.3486
E. Prescribed Burning of Savannas	0.0005	0.0005	0.0005	0.0005	0.0004	-75.3231
F. Field Burning of Agricultural Residues	0.0220	0.0232	0.0240	0.0221	0.0120	-42.4058
G. Other	NO	NO	NO	NO	NO	0.0000
5. Land Use, Land-Use Change and Forestry	0.0317	0.0308	0.0293	0.0280	0.0246	-19.6574
A. Forest Land	0.0159	0.0161	0.0132	0.0128	0.0103	-12.9503
B. Cropland	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	NA,NE,NO	0.0000
C. Grassland	0.0158	0.0147	0.0161	0.0152	0.0143	-23.8881
D. Wetlands	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	0.0000
E. Settlements	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	0.0000
F. Other Land	NE,NO	NE,NO	NE,NO	NE,NO	NE,NO	0.0000
G. Other	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
6. Waste	0.5039	0.5139	0.5139	0.5254	0.5288	11.5691
A. Solid Waste Disposal on Land						
B. Waste-water Handling	0.5039	0.5139	0.5139	0.5254	0.5288	11.5691
C. Waste Incineration	NE	NE	NE	NE	NE	0.0000
D. Other	NO	NO	NO	NO	NO	0.0000
7. Other (as specified in Summary I.A)	NA	NA	NA	NA	NA	0.0000
A. Other	NA	NA	NA	NA	NA	0.0000
Memo Items:						
International Bunkers	0.0692	0.0739	0.0820	0.0859	0.0919	40.4881
Aviation	0.0495	0.0530	0.0541	0.0643	0.0723	91.2567
Marine	0.0197	0.0209	0.0279	0.0216	0.0196	-28.9608
Multilateral Operations	NE	NE	NE	NE	NE	0.0000
CO₂ Emissions from Biomass						

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS (HFCs, PFCs and SF₆)
 (Sheet 4 of 5)
 (Part 1 of 2)

Inventory 2004
 Submission 2006 v1.3
 NEW ZEALAND

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year (1990)	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)
Emissions of HFCs⁽⁴⁾ - (Gg CO₂ equivalent)	IE,NA,NO	IE,NA,NO	1.0400	4.6800	59.1855	145.2672	224.9557	139.8795	327.0413	266.4695
HFC-23	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-32	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0004	NA,NO	NA,NO	NA,NO	0.0074
HFC-41	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-43-10mee	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-125	NA,NO	NA,NO	NA,NO	NA,NO	0.0012	0.0005	0.0067	0.0105	0.0095	0.0104
HFC-134	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-134a	NA,NO	NA,NO	0.0008	0.0036	0.0429	0.0871	0.1377	0.0576	0.2033	0.1462
HFC-152a	NA,NO	NA,NO	NA,NO	NA,NO	0.0004	0.0012	0.0004	0.0002	0.0004	0.0017
HFC-143	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-143a	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0079	0.0071	0.0093	0.0094	0.0110
HFC-227ea	NA,NO	NA,NO	NA,NO	NA,NO	0.0000	0.0001	0.0001	0.0001	0.0001	0.0002
HFC-236fa	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
HFC-245ca	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
Unspecified mix of listed HFCs ⁽⁵⁾ - (Gg CO ₂ equivalent)	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
Emissions of PFCs⁽⁴⁾ - (Gg CO₂ equivalent)	515.6000	651.6400	638.1000	524.8000	183.6000	147.5000	265.4000	166.2000	130.2000	74.2000
CF ₄	0.0680	0.0844	0.0826	0.0680	0.0240	0.0190	0.0300	0.0210	0.0100	0.0100
C ₂ F ₆	0.0080	0.0112	0.0110	0.0090	0.0030	0.0020	0.0040	0.0030	0.0010	0.0010
C ₃ F ₈	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0008	0.0048	0.0003	0.0080	NA,NO
C ₄ F ₁₀	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
c-C ₄ F ₈	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
C ₃ F ₁₂	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
C ₆ F ₁₄	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
Unspecified mix of listed PFCs ⁽⁵⁾ - (Gg CO ₂ equivalent)	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO
Emissions of SF₆⁽⁴⁾ - (Gg CO₂ equivalent)	12.3324	12.9060	13.6230	14.0532	14.4117	15.0092	14.7941	15.2960	14.0293	13.1928
SF ₆	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS (HFCs, PFCs and SF₆)
 (Sheet 4 of 5)
 (Part 2 of 2)

Inventory 2004
 Submission 2006 v1.3
 NEW ZEALAND

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	Change from base to latest reported year
	(Gg)	(Gg)	(Gg)	(Gg)	(Gg)	%
Emissions of HFCs⁽⁴⁾ - (Gg CO₂ equivalent)	246.9944	440.9499	619.8302	728.6311	597.1317	100.0000
HFC-23	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
HFC-32	NA,NO	0.0034	0.0030	0.0050	0.0062	100.0000
HFC-41	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
HFC-43-10mee	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
HFC-125	0.0041	0.0276	0.0476	0.0539	0.0495	100.0000
HFC-134	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
HFC-134a	0.1621	0.2012	0.2208	0.2653	0.2065	100.0000
HFC-152a	NA,NO	0.0009	NA,NO	NA,NO	NA,NO	0.0000
HFC-143	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
HFC-143a	0.0064	0.0261	0.0518	0.0602	0.0487	100.0000
HFC-227ea	0.0002	0.0002	0.0003	0.0003	0.0003	100.0000
HFC-236fa	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
HFC-245ca	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
Unspecified mix of listed HFCs ⁽⁵⁾ - (Gg CO ₂ equivalent)	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
Emissions of PFCs⁽⁴⁾ - (Gg CO₂ equivalent)	59.2500	59.2500	88.4000	93.3000	87.7000	-82.9907
CF ₄	0.0077	0.0077	0.0110	0.0110	0.0110	-83.8235
C ₂ F ₆	0.0010	0.0010	0.0010	0.0010	0.0010	-87.5000
C ₃ F ₈	NA,NE,NO	NA,NO	0.0011	0.0018	0.0010	100.0000
C ₄ F ₁₀	NA,NE,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
c-C ₄ F ₈	NA,NE,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
C ₅ F ₁₂	NA,NE,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
C ₆ F ₁₄	NA,NE,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
Unspecified mix of listed PFCs ⁽⁵⁾ - (Gg CO ₂ equivalent)	NA,NO	NA,NO	NA,NO	NA,NO	NA,NO	0.0000
Emissions of SF₆⁽⁴⁾ - (Gg CO₂ equivalent)	12.1890	12.3085	13.1450	17.5187	21.4861	74.2248
SF ₆	0.0005	0.0005	0.0006	0.0007	0.0009	74.2248

Note: All footnotes for this table are given at the end of the table on sheet 5.

TABLE 10 EMISSION TRENDS (SUMMARY)
(Sheet 5 of 5)
(Part 1 of 2)

Inventory 2004
Submission 2006 v1.3
NEW ZEALAND

GREENHOUSE GAS EMISSIONS	Base year (1990)	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)
CO ₂ emissions including net CO ₂ from LULUCF ⁽⁵⁾	6,292.4377	8,239.5430	11,846.8284	12,420.8820	12,900.9956	11,969.9889	12,660.3873	13,175.7556	9,650.8051	10,504.6175
CO ₂ emissions excluding net CO ₂ from LULUCF ⁽⁵⁾	25,373.3859	25,885.0355	27,748.7936	27,176.0226	27,280.1959	27,201.0275	28,222.1959	30,414.1962	29,106.9911	30,560.6965
CH ₄	25,405.4821	25,248.0471	25,157.4739	25,506.5562	25,821.0800	25,922.2935	26,087.6346	26,271.6267	26,289.9273	26,413.3336
N ₂ O	10,306.9241	10,323.4562	10,403.6865	10,674.6604	10,965.4947	11,184.3029	11,293.7130	11,392.3003	11,456.9046	11,664.6040
HFCs	IE,NA,NO	IE,NA,NO	1.0400	4.6800	59.1855	145.2672	224.9557	139.8795	327.0413	266.4695
PFCs	515.6000	651.6400	638.1000	524.8000	183.6000	147.5000	265.4000	166.2000	130.2000	74.2000
SF ₆	12.3324	12.9060	13.6230	14.0532	14.4117	15.0092	14.7941	15.2960	14.0293	13.1928
Total (including net CO₂ from LULUCF)⁽⁵⁾	42,532.7763	44,475.5923	48,060.7518	49,145.6319	49,944.7675	49,384.3616	50,546.8847	51,161.0581	47,868.9077	48,936.4173
Total (excluding net CO₂ from LULUCF)^{(5), (6)}	61,613.7244	62,121.0848	63,962.7170	63,900.7724	64,323.9678	64,615.4003	66,108.6933	68,399.4987	67,325.0927	68,992.4963

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year (1990)	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)
1. Energy	23,655.1469	23,932.2302	25,694.4911	24,965.2583	25,213.2580	25,118.0963	26,169.4525	28,501.8448	27,098.1838	28,446.2306
2. Industrial Processes	3,214.6145	3,490.5397	3,579.7672	3,620.0905	3,246.4782	3,390.4548	3,576.4860	3,297.9443	3,600.0424	3,655.2443
3. Solvent and Other Product Use	41.5400	42.7800	43.0900	43.7100	44.3300	44.9500	45.8800	46.1900	46.5000	46.8100
4. Agriculture	32,116.5840	32,048.0217	32,062.7803	32,643.8327	33,197.8056	33,641.0739	33,869.6633	34,110.7723	34,231.7742	34,644.6151
5. Land Use, Land-Use Change and Forestry ⁽⁷⁾	-18,977.9197	-17,550.3891	-15,794.5852	-14,619.4199	-14,227.2300	-15,084.3219	-15,396.8734	-17,059.4938	-19,308.8248	-19,924.5426
6. Waste	2,482.8106	2,512.4098	2,475.2084	2,492.1603	2,470.1258	2,274.1085	2,282.2763	2,263.8004	2,201.2321	2,068.0598
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)⁽⁷⁾	42,532.7763	44,475.5923	48,060.7518	49,145.6319	49,944.7675	49,384.3616	50,546.8847	51,161.0581	47,868.9077	48,936.4173

TABLE 10 EMISSION TRENDS (SUMMARY)
(Sheet 5 of 5)
(Part 2 of 2)

Inventory 2004
Submission 2006 v1.3
NEW ZEALAND

GREENHOUSE GAS EMISSIONS	2000	2001	2002	2003	2004	Change from base to latest reported year (%)
	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	
CO ₂ emissions including net CO ₂ from LULUCF ⁽⁵⁾	10,714.4834	12,424.8149	11,687.6020	11,844.7855	9,473.4954	50.5537
CO ₂ emissions excluding net CO ₂ from LULUCF ⁽⁵⁾	31,036.7828	33,041.8675	33,030.0440	34,681.0500	34,038.8988	34.1520
CH ₄	26,772.5342	27,082.5814	27,021.6906	26,999.1351	27,064.0304	6.5283
N ₂ O	12,022.6758	12,475.1608	12,800.0513	13,077.6551	12,878.7480	24.9524
HFCs	246.9944	440.9499	619.8302	728.6311	597.1317	100.0000
PFCs	59.2500	59.2500	88.4000	93.3000	87.7000	-82.9907
SF ₆	12.1890	12.3085	13.1450	17.5187	21.4861	74.2248
Total (including net CO₂ from LULUCF)⁽⁵⁾	49,828.1268	52,495.0655	52,230.7191	52,761.0256	50,122.5916	17.8446
Total (excluding net CO₂ from LULUCF)^{(5),(6)}	70,150.4262	73,112.1181	73,573.1611	75,597.2900	74,687.9950	21.2197

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2000	2001	2002	2003	2004	Change from base to latest reported year (%)
	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	CO ₂ equivalent (Gg)	
1. Energy	28,946.1547	30,891.9399	30,887.1129	32,306.0540	31,647.9072	33.7887
2. Industrial Processes	3,588.3088	3,862.6338	4,065.3502	4,354.6605	4,202.5303	30.7320
3. Solvent and Other Product Use	47.1200	47.4300	48.3600	48.3600	48.3600	16.4179
4. Agriculture	35,381.4885	36,180.9547	36,507.4222	36,865.0233	36,866.6679	14.7901
5. Land Use, Land-Use Change and Forestry ⁽⁷⁾	-20,215.6952	-20,513.3566	-21,243.8657	-22,742.1856	-24,482.6277	29.0059
6. Waste	2,080.7501	2,025.4637	1,966.3395	1,929.1134	1,839.9818	-25.8912
7. Other	NA	NA	NA	NA	NA	0.0000
Total (including LULUCF)⁽⁷⁾	49,828.1268	52,495.0655	52,230.7191	52,761.0256	50,122.5916	17.8446

⁽¹⁾ The column "Base year" should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the COP. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

⁽²⁾ Fill in net emissions/removals as reported in table Summary 1.A. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

⁽³⁾ The information in these rows is requested to facilitate comparison of data, because Parties differ in the way they report CO₂ emissions and removals from LULUCF.

⁽⁴⁾ Enter actual emissions estimates. If only potential emissions estimates are available, these should be reported in this table and an indication for this be provided in the documentation box. Only in these rows are the emissions expressed as CO₂ equivalent emissions.

⁽⁵⁾ In accordance with the UNFCCC reporting guidelines, HFC and PFC emissions should be reported for each relevant chemical. However, if it is not possible to report values for each chemical (i.e. mixtures, confidential data, lack of disaggregation), this row could be used for reporting aggregate figures for HFCs and PFCs, respectively. Note that the unit used for this row is Gg of CO₂ equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.

⁽⁶⁾ These totals will differ from the totals reported in table Summary 2 if Parties report non-CO₂ emissions from LULUCF.

⁽⁷⁾ Includes net CO₂, CH₄ and N₂O from LULUCF.

Documentation box:
<ul style="list-style-type: none"> Parties should provide detailed explanations on emissions trends in Chapter 2: Trends in Greenhouse Gas Emissions and, as appropriate, in the corresponding Chapters 3 - 9 of the NIR. Use this documentation box to provide references to relevant sections of the NIR if any additional information and further details are needed to understand the content of this table. Use the documentation box to provide explanations if potential emissions are reported.
CO ₂ /SO ₂ emissions: These values have been updated due to new information. Emission factors supplied by industry-these vary depending on the processing technology and the input materials. An average emission factor of 0.5 kg SO ₂ /t lime has been calculated.
NO _x and CO: Emissions assumed to be totally associated with fuel use rather than industrial process so are counted with other fuel combustion emissions in the energy sector: 1AA.2 "Manufacturing Industries and Construction".