

Table 1 Sectoral Report for Energy (Scotland, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
Total Energy	51,871.95	88.34	1.92
A. Fuel Combustion Activities (Sectoral Approach)	50,598.02	14.20	1.89
1. Energy Industries	19,336.27	0.74	0.50
a. Public Electricity and Heat Production	14,846.21	0.24	0.35
b. Petroleum Refining	2,893.37	0.09	0.05
c. Manufacture of Solid Fuels and Other Energy Industries	1,596.69	0.41	0.09
2. Manufacturing Industries and Construction	9,577.94	1.77	0.45
a. Iron and Steel	3,123.70	1.33	0.06
b. Non-Ferrous Metals	IE ⁽¹⁾	IE	IE
c. Chemicals	IE	IE	IE
d. Pulp, Paper and Print	IE	IE	IE
e. Food Processing, Beverages and Tobacco	IE	IE	IE
f. Other (<i>please specify</i>)	6,454.23	0.44	0.39
3. Transport	10,668.20	2.35	0.43
a. Civil Aviation	342.54	0.03	0.01
b. Road Transportation	9,149.05	2.29	0.31
c. Railways	193.05	0.02	0.07
d. Navigation	951.46	0.01	0.02
e. Other Transportation (<i>please specify</i>)	32.11	0.00	0.01

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
4. Other Sectors	10,553.86	9.33	0.50
a. Commercial/Institutional	2,241.87	0.25	0.02
b. Residential	7,413.66	8.98	0.14
c. Agriculture/Forestry/Fisheries	898.33	0.10	0.34
5. Other (Military Aircraft and Naval Vessels)	461.76	0	0
B. Fugitive Emissions from Fuels	1,273.93	74.14	0.03
1. Solid Fuels	15.58	30.17	0.00
a. Coal Mining	0.00	30.08	0.00
b. Solid Fuel Transformation	15.58	0.09	0.00
c. Other (<i>please specify</i>)	NO ⁽¹⁾	NO	NO
2. Oil and Natural Gas	1,258.35	43.97	0.03
a. Oil	340.13	4.96	0.00
b. Natural Gas	1.27	27.14	0.00
c. Venting and Flaring	916.94	11.87	0.03
Flaring	916.75	4.16	0.03
Venting	0.19	7.71	0.00
Memo Items: ⁽²⁾			
International Bunkers	NA ⁽¹⁾	NA	NA
Aviation	NA	NA	NA
Marine	NA	NA	NA
CO₂ Emissions from Biomass	NE ⁽¹⁾		

Table 2(I) Sectoral Report for Industrial Processes (Scotland, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽³⁾	PFCs ⁽³⁾	SF ₆
	(Gg)			Gg CO ₂ Equivalent		Gg
Total Industrial Processes	1,166.66	0.52	1.27	1.05	113.45	0.00
A. Mineral Products	709.93	0.00	0.00	0.00	0.00	0.00
1. Cement Production	510.67	NO	NO			
2. Lime Production	0.00	NO	NO			
3. Limestone and Dolomite Use	175.04	NO	NO			
4. Soda Ash Production and Use	24.22	NO	NO			
5. Asphalt Roofing	NE	NO	NO			
6. Road Paving with Asphalt	NE	NO	NO			
7. Other (fletton bricks)	0.00	0.00	NO			
B. Chemical Industry	138.27	0.42	1.27	0.00	0.00	0.00
1. Ammonia Production	0.00	NE	NO			
2. Nitric Acid Production	NO	NO	1.27			
3. Adipic Acid Production	NO	NO	0.00			
4. Carbide Production	NO	NO	NO			
5. Other (<i>please specify</i>)	138.27	0.42	NO			
C. Metal Production	318.46	0.10	0.00	0.00	94.25	0.00
1. Iron and Steel Production	243.63	0.10	0.00			
2. Ferroalloys Production	IE	NE	NO			
3. Aluminium Production	74.83	NO	NO		94.25	
4. SF ₆ Used in Aluminium and Magnesium Foundries	NO	NO	NO	0.00		0.00
5. Other (<i>please specify</i>)	NO	NO	NO			

Table 2(I) Sectoral Report for Industrial Processes (Scotland, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			Gg CO ₂ Equivalent		Gg
D. Other Production	0.00	0.00	0.00	0.00	0.00	0.00
1. Pulp and Paper	NO	NO	NO	NE	NE	NE
2. Food and Drink ⁽⁴⁾	IE	NO	NO	NE	NE	NE
E. Production of Halocarbons and SF₆	0.00	0.00	0.00	0	0.00	0.00
1. By-product Emissions	NO	NO	NO	0	NO	NO
2. Fugitive Emissions	NO	NO	NO	IE	0.00	NO
3. Other (<i>please specify</i>)	NO	NO	NO	NA	NA	NA
F. Consumption of Halocarbons and SF₆	0.00	0.00	0.00	1.05	19.20	0.00
1. Refrigeration and Air Conditioning Equipment	NO	NO	NO	0.00	0.00	NA
2. Foam Blowing	NO	NO	NO	NO	NO	NA
3. Fire Extinguishers	NO	NO	NO	0.00	0.00	NO
4. Aerosols/ Metered Dose Inhalers	NO	NO	NO	1.05	NO	NO
5. Solvents	NO	NO	NO	0.00	0.00	NO
6. Other applications using ODS substitutes	NO	NO	NO	NA	NA	NA
7. Semiconductor Manufacture	NO	NO	NO	IE	IE	IE
8. Electrical Equipment	NO	NO	NO	IE	IE	IE
9. Other (<i>please specify</i>)				0.00	19.20	0.00
G. Other (<i>please specify</i>)	0.00	0.00	0.00	0.00	0.00	0.00

Table 4 Sectoral Report for Agriculture (Scotland, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O
	(Gg)	
Total Agriculture	168.23	17.06
A. Enteric Fermentation	149.16	0.00
1. Cattle	100.87	NO
2. Buffalo	NO	NO
3. Sheep	47.18	NO
4. Goats	0.11	NO
5. Camels and Llamas	NO	NO
6. Horses	0.26	NO
7. Mules and Asses	NO	NO
8. Swine	0.68	NO
9. Poultry	NO	NO
10. Other (Deer)	0.08	NO
B. Manure Management	18.19	1.18
1. Cattle	12.70	NO
2. Buffalo	NO	0.00
3. Sheep	1.12	0.00
4. Goats	0.00	0.00
5. Camels and Llamas	NO	NO
6. Horses	0.02	0.00
7. Mules and Asses	NO	NO
8. Swine	3.19	0.00
9. Poultry	1.16	0.00
10. Other Livestock (Deer)	0.00	0.00

Table 4 Sectoral Report for Agriculture (Scotland, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O
	(Gg)	
B. Manure Management (continued)		
11. Anaerobic Lagoons	NO	NO
12. Liquid Systems	NO	0.02
13. Solid Storage and Dry Lot	NO	0.88
14. Other AWMS	NO	0.28
C. Rice Cultivation	NO	NO
D. Agricultural Soils	NE	15.86
E. Prescribed Burning of Savannas	NO	NO
F. Field Burning of Agricultural Residues	0.87	0.02
1 . Cereals	0.86	0.02
2. Pulse	NO	NO
3 . Tuber and Root	NO	NO
4 . Sugar Cane	NO	NO
5 . Other (Linseed)	0.01	0.00
G. Other	0.00	0.00

Table 5 Sectoral Report for Land Use Change and Forestry (Scotland, 1990)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
5. Land-Use Change and Forestry	-2,527.82	0.19	0.02
A. Forest Land	-7,534.86	0.05	0.02
B. Cropland	6,101.78	0.00	0.00
C. Grassland	-2,103.94	0.03	0.00
D. Wetlands			
E. Settlements	1,774.28	0.10	0.00
F. Other land			
G. Other activities	-765.08	0.00	0.00

Table 6 Sectoral Report for Waste (Scotland, 1990)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
Total Waste	43.45	269	0.30
A. Solid Waste Disposal on Land	0.00	265	0.00
1. Managed Waste Disposal on Land	0.00	265.45	0.00
2. Unmanaged Waste Disposal Sites			
3. Other (<i>please specify</i>)			
B. Wastewater Handling	0.00	2.96	0.29
1. Industrial Wastewater			
2. Domestic and Commercial Wastewater	0.00	2.96	0.29
3. Other (<i>please specify</i>)			
C. Waste Incineration	43.45	0.19	0.01
D. Other (<i>please specify</i>)			

Table 7A Summary Report for National Greenhouse Gas Inventories (Scotland, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			CO ₂ equivalent (Gg)		Gg
Total National Emissions and Removals	50,554.24	525.88	20.57	1.05	113.45	0.00
1. Energy	51,871.95	88.34	1.92	0.00	0.00	0.00
A. Fuel Combustion	50,598.02	14.20	1.89	0.00	0.00	0.00
1. Energy Industries	19,336.27	0.74	0.50	0.00	0.00	0.00
2. Manufacturing Industries and Construction	9,577.94	1.77	0.45	0.00	0.00	0.00
3. Transport	10,668.20	2.35	0.43	0.00	0.00	0.00
4. Other Sectors	10,553.86	9.33	0.50	0.00	0.00	0.00
5. Other	461.76	0.01	0.01	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	1,273.93	74.14	0.03	0.00	0.00	0.00
1. Solid Fuels	15.58	30.17	0.00	0.00	0.00	0.00
2. Oil and Natural Gas	1,258.35	43.97	0.03	0.00	0.00	0.00
2. Industrial Processes	1,166.66	0.52	1.27	1.05	113.45	0.00
A. Mineral Products	709.93	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	138.27	0.42	1.27	0.00	0.00	0.00
C. Metal Production	318.46	0.10	0.00	0.00	94.25	0.00
D. Other Production ⁽⁴⁾	0.00	0.00	0.00	0.00	0.00	0.00
E. Production of Halocarbons and SF ₆	0.00	0.00	0.00	0.00	0.00	0.00
F. Consumption of Halocarbons and SF ₆	0.00	0.00	0.00	1.05	19.20	0.00
G. Other	0.00	0.00	0.00	0.00	0.00	0.00

Table 7A Summary Report for National Greenhouse Gas Inventories (Scotland, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			CO ₂ equivalent (Gg)		(Gg)
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	168.23	17.06	0.00	0.00	0.00
A. Enteric Fermentation		149.16	0.00	0.00	0.00	0.00
B. Manure Management		18.19	1.18	0.00	0.00	0.00
C. Rice Cultivation		NO	NO	0.00	0.00	0.00
D. Agricultural Soils		NE	15.86	0.00	0.00	0.00
E. Prescribed Burning of Savannas		NO	NO	0.00	0.00	0.00
F. Field Burning of Agricultural Residues		0.87	0.02	0.00	0.00	0.00
G. Other		0.00	0.00	0.00	0.00	0.00
5. Land-Use Change and Forestry	-2,527.82	0.19	0.02	0.00	0.00	0.00
A. Forest Land	-7,534.86	0.05	0.02			
B. Cropland	6,101.78	0.00	0.00			
C. Grassland	-2,103.94	0.03	0.00			
D. Wetlands	0.00	0.00	0.00			
E. Settlements	1,774.28	0.10	0.00			
F. Other land	0.00	0.00	0.00			
G. Other activities	-765.08	0.00	0.00			
6. Waste	43.45	268.6	0.30	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	265.45	0.00	0.00	0.00	0.00
B. Wastewater Handling	0.00	2.96	0.29	0.00	0.00	0.00
C. Waste Incineration	43.45	0.19	0.01	0.00	0.00	0.00
D. Other	0.00	0.00	0.00	0.00	0.00	0.00

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			CO ₂ equivalent (Gg)		Gg
Total National Emissions and Removals	49,488.07	486.49	18.48	129.4	86.84	0.00
1. Energy	52,429.67	80.37	1.91	0.00	0.00	0.00
A. Fuel Combustion	50,305.69	8.90	1.89	0.00	0.00	0.00
1. Energy Industries	22,635.91	1.17	0.52	0.00		
2. Manufacturing Industries and Construction	6,201.84	0.51	0.35	0.00		
3. Transport	10,544.20	1.85	0.56	0.00		
4. Other Sectors	10,579.70	5.36	0.45	0.00		
5. Other	344.05	0.01	0.01	0.00		
B. Fugitive Emissions from Fuels	2,123.98	71.47	0.02	0.00	0.00	0.00
1. Solid Fuels	0.00	29.38	0.00	0.00		
2. Oil and Natural Gas	2,123.98	42.09	0.02	0.00		
2. Industrial Processes	652.57	0.58	0.00	129	86.84	0.00
A. Mineral Products	433.66	0.00	0.00			
B. Chemical Industry	151.03	0.58	0.00			
C. Metal Production	67.88	0.00	0.00	0.00	35.88	0.00
D. Other Production ⁽³⁾						
E. Production of Halocarbons and SF ₆	0.00	0.00	0.00	0	0.00	
F. Consumption of Halocarbons and SF ₆	0.00	0.00	0.00	129	50.96	0.00
G. Other						

Table 7A Summary Report for National Greenhouse Gas Inventories (Scotland, 1995)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			CO ₂ equivalent (Gg)		(Gg)
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	166.17	16.25	0.00	0.00	0.00
A. Enteric Fermentation		147.49	0.00			
B. Manure Management		18.68	1.12			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	15.13			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		0.00	0.00			
5. Land-Use Change and Forestry	-3,624	0.49	0.01	0.00	0.00	0.00
A. Forest Land	-8,885	0.39	0.01			
B. Cropland	6,313	0.00	0.00			
C. Grassland	-2,180	0.03	0.00			
D. Wetlands	0.00	0.00	0.00			
E. Settlements	1,726	0.07	0.00			
F. Other land	0.00	0.00	0.00			
G. Other activities	-598.33	0.00	0.00			
6. Waste	30.1	238.9	0.30	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	235.75	0.00			
B. Wastewater Handling	0.00	3.02	0.30			
C. Waste Incineration	30.05	0.11	0.01			
D. Other						

Table 7A Summary Report for National Greenhouse Gas Inventories (Scotland, 2007)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			CO ₂ equivalent (Gg)		Gg
Total National Emissions and Removals	43,584.90	298.12	14.44	891.95	57.28	0.00
1. Energy	47,348.68	26.75	1.63	0.00	0.00	0.00
A. Fuel Combustion	46,596.60	5.03	1.62	0.00	0.00	0.00
1. Energy Industries	19,299.22	0.63	0.49	0.00	0.00	0.00
2. Manufacturing Industries and Construction	5,846.58	0.51	0.32	0.00	0.00	0.00
3. Transport	11,983.34	0.58	0.48	0.00	0.00	0.00
4. Other Sectors	9,234.71	3.30	0.33	0.00	0.00	0.00
5. Other	232.75	0.01	0.01	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	752.08	21.72	0.01	0.00	0.00	0.00
1. Solid Fuels	0.00	4.94	0.00	0.00	0.00	0.00
2. Oil and Natural Gas	752.08	16.78	0.01	0.00	0.00	0.00
2. Industrial Processes	663.07	0.97	0.00	891.95	57.28	0.00
A. Mineral Products	449.43	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	155.64	0.97	0.00	0.00	0.00	0.00
C. Metal Production	58.01	0.00	0.00	0.00	1.42	0.00
D. Other Production ⁽³⁾	0.00	0.00	0.00	0.00	0.00	0.00
E. Production of Halocarbons and SF ₆	0.00	0.00	0.00	0.00	0.00	0.00
F. Consumption of Halocarbons and SF ₆	0.00	0.00	0.00	891.95	55.85	0.00
G. Other	0.00	0.00	0.00	0.00	0.00	0.00

Table 7A Summary Report for National Greenhouse Gas Inventories (Scotland, 2007)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			CO ₂ equivalent (Gg)		(Gg)
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	150.19	12.46	0.00	0.00	0.00
A. Enteric Fermentation		132.80	0.00	0.00	0.00	0.00
B. Manure Management		17.38	1.00	0.00	0.00	0.00
C. Rice Cultivation		NO	NO	0.00	0.00	0.00
D. Agricultural Soils		NE	11.46	0.00	0.00	0.00
E. Prescribed Burning of Savannas		NO	NO	0.00	0.00	0.00
F. Field Burning of Agricultural Residues		0.00	0.00	0.00	0.00	0.00
G. Other		0.00	0.00	0.00	0.00	0.00
5. Land-Use Change and Forestry	-4,445	0.47	0.01	0.00	0.00	0.00
A. Forest Land	-9,315	0.31	0.00			
B. Cropland	6,652	0.00	0.00			
C. Grassland	-2,686	0.10	0.00			
D. Wetlands	0.00	0.00	0.00			
E. Settlements	1,680	0.06	0.00			
F. Other land	0.00	0.00	0.00			
G. Other activities	-776.13	0.00	0.00			
6. Waste	18.3	119.7	0.35	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	116.50	0.00	0.00	0.00	0.00
B. Wastewater Handling	0.00	3.23	0.33	0.00	0.00	0.00
C. Waste Incineration	18.34	0.01	0.01	0.00	0.00	0.00
D. Other	0.00	0.00	0.00	0.00	0.00	0.00

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
Total Energy	45,862.46	27.36	1.52
A. Fuel Combustion Activities (Sectoral Approach)	45,222.25	5.50	1.51
1. Energy Industries	18,173.29	0.71	0.46
a. Public Electricity and Heat Production	14,283.23	0.31	0.30
b. Petroleum Refining	2,092.49	0.05	0.05
c. Manufacture of Solid Fuels and Other Energy Industries	1,797.57	0.34	0.10
2. Manufacturing Industries and Construction	5,461.03	0.48	0.28
a. Iron and Steel	72.63	0.01	0.00
b. Non-Ferrous Metals	IE ⁽¹⁾	IE	IE
c. Chemicals	IE	IE	IE
d. Pulp, Paper and Print	IE	IE	IE
e. Food Processing, Beverages and Tobacco	IE	IE	IE
f. Other (<i>please specify</i>)	5,388.40	0.47	0.28
3. Transport	11,684.43	0.52	0.43
a. Civil Aviation	603.38	0.01	0.02
b. Road Transportation	9,890.89	0.47	0.29
c. Railways	207.87	0.02	0.08
d. Navigation	917.27	0.01	0.02
e. Other Transportation (<i>please specify</i>)	65.02	0.00	0.03

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
4. Other Sectors	9,661.16	3.78	0.33
a. Commercial/Institutional	1,841.62	0.19	0.01
b. Residential	7,093.03	3.50	0.06
c. Agriculture/Forestry/Fisheries	726.50	0.09	0.27
5. Other (Military Aircraft and Naval Vessels)	242.34	0	0
B. Fugitive Emissions from Fuels	640.21	21.87	0.01
1. Solid Fuels	0.00	4.86	0.00
a. Coal Mining	0.00	4.86	0.00
b. Solid Fuel Transformation	0.00	0.00	0.00
c. Other (<i>please specify</i>)	NO ⁽¹⁾	NO	NO
2. Oil and Natural Gas	640.21	17.01	0.01
a. Oil	232.38	0.96	0.00
b. Natural Gas	0.60	14.77	0.00
c. Venting and Flaring	407.23	1.28	0.01
Flaring	407.09	0.40	0.01
Venting	0.14	0.88	0.00
Memo Items: ⁽²⁾			
International Bunkers	NA ⁽¹⁾	NA	NA
Aviation	NA	NA	NA
Marine	NA	NA	NA
CO₂ Emissions from Biomass	NE ⁽¹⁾		

Table 2(I) Sectoral Report for Industrial Processes (Scotland, 2008)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽³⁾	PFCs ⁽³⁾	SF ₆
	(Gg)			Gg CO ₂ Equivalent		Gg
Total Industrial Processes	660.81	0.76	0.00	919.11	54.74	0.00
A. Mineral Products	449.53	0.00	0.00	0.00	0.00	0.00
1. Cement Production	397.01	NO	NO			
2. Lime Production	0.00	NO	NO			
3. Limestone and Dolomite Use	26.96	NO	NO			
4. Soda Ash Production and Use	25.56	NO	NO			
5. Asphalt Roofing	NE	NO	NO			
6. Road Paving with Asphalt	NE	NO	NO			
7. Other (fletton bricks)	0.00	0.00	NO			
B. Chemical Industry	156.92	0.76	0.00	0.00	0.00	0.00
1. Ammonia Production	0.00	NE	NO			
2. Nitric Acid Production	NO	NO	0.00			
3. Adipic Acid Production	NO	NO	0.00			
4. Carbide Production	NO	NO	NO			
5. Other (<i>please specify</i>)	156.92	0.76	NO			
C. Metal Production	54.36	0.00	0.00	0.00	1.39	0.00
1. Iron and Steel Production	0.19	0.00	0.00			
2. Ferroalloys Production	IE	NE	NO			
3. Aluminium Production	54.16	NO	NO		1.39	
4. SF ₆ Used in Aluminium and Magnesium Foundries	NO	NO	NO	0.00		0.00
5. Other (<i>please specify</i>)	NO	NO	NO			

Table 2(I) Sectoral Report for Industrial Processes (Scotland, 2008)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			Gg CO ₂ Equivalent		Gg
D. Other Production	0.00	0.00	0.00	0.00	0.00	0.00
1. Pulp and Paper	NO	NO	NO	NE	NE	NE
2. Food and Drink ⁽⁴⁾	IE	NO	NO	NE	NE	NE
E. Production of Halocarbons and SF₆	0.00	0.00	0.00	0	0.00	0.00
1. By-product Emissions	NO	NO	NO	0	NO	NO
2. Fugitive Emissions	NO	NO	NO	NO	0.00	NO
3. Other (<i>please specify</i>)	NO	NO	NO	NO	NO	NO
F. Consumption of Halocarbons and SF₆	0.00	0.00	0.00	919.11	53.35	0.00
1. Refrigeration and Air Conditioning Equipment	NO	NO	NO	601.15	0.22	NA
2. Foam Blowing	NO	NO	NO	34.40	NO	NA
3. Fire Extinguishers	NO	NO	NO	16.80	0.03	NO
4. Aerosols/ Metered Dose Inhalers	NO	NO	NO	253.84	NO	NO
5. Solvents	NO	NO	NO	6.96	0.00	NO
6. Other applications using ODS substitutes	NO	NO	NO	NE	NE	NE
7. Semiconductor Manufacture	NO	NO	NO	IE	IE	IE
8. Electrical Equipment	NO	NO	NO	IE	IE	IE
9. Other (<i>please specify</i>)	NO	NO	NO	5.95	53.10	0.00
G. Other (<i>please specify</i>)	0.00	0.00	0.00	0.00	0.00	0.00

Table 4 Sectoral Report for Agriculture (Scotland, 2008)

(Page 1 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O
	(Gg)	
Total Agriculture	145.34	12.14
A. Enteric Fermentation	128.53	0.00
1. Cattle	93.33	NO
2. Buffalo	NO	NO
3. Sheep	33.88	NO
4. Goats	0.02	NO
5. Camels and Llamas	NO	NO
6. Horses	0.58	NO
7. Mules and Asses	NO	NO
8. Swine	0.65	NO
9. Poultry	NO	NO
10. Other (Deer)	0.05	NO
B. Manure Management	16.81	0.97
1. Cattle	11.81	NO
2. Buffalo	NO	0.00
3. Sheep	0.80	0.00
4. Goats	0.00	0.00
5. Camels and Llamas	NO	NO
6. Horses	0.05	0.00
7. Mules and Asses	NO	NO
8. Swine	3.08	0.00
9. Poultry	1.08	0.00
10. Other Livestock (Deer)	0.00	0.00

Table 4 Sectoral Report for Agriculture (Scotland, 2008)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O
	(Gg)	
B. Manure Management (continued)		
11. Anaerobic Lagoons	NO	NO
12. Liquid Systems	NO	0.02
13. Solid Storage and Dry Lot	NO	0.80
14. Other AWMS	NO	0.14
C. Rice Cultivation	NO	NO
D. Agricultural Soils	NE	11.18
E. Prescribed Burning of Savannas	NO	NO
F. Field Burning of Agricultural Residues	0.00	0.00
1 . Cereals	0.00	0.00
2. Pulse	NO	NO
3 . Tuber and Root	NO	NO
4 . Sugar Cane	NO	NO
5 . Other (Linseed)	0.00	0.00
G. Other	0.00	0.00

Table 5 Sectoral Report for Land Use Change and Forestry (Scotland, 2008)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
5. Land-Use Change and Forestry	-4,484.94	0.45	0.00
A. Forest Land	-9,158.38	0.30	0.00
B. Cropland	6,644.23	0.00	0.00
C. Grassland	-2,733.01	0.09	0.00
D. Wetlands			
E. Settlements	1,675.59	0.06	0.00
F. Other land			
G. Other activities	-913.37	0.00	0.00

Table 6 Sectoral Report for Waste (Scotland, 2008)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
Total Waste	18.30	125	0.35
A. Solid Waste Disposal on Land	0.00	122	0.00
1. Managed Waste Disposal on Land	0.00	121.85	0.00
2. Unmanaged Waste Disposal Sites			
3. Other (<i>please specify</i>)			
B. Wastewater Handling	0.00	3.24	0.34
1. Industrial Wastewater			
2. Domestic and Commercial Wastewater	0.00	3.24	0.34
3. Other (<i>please specify</i>)			
C. Waste Incineration	18.30	0.01	0.01
D. Other (<i>please specify</i>)			

Table 7A Summary Report for National Greenhouse Gas Inventories (Scotland, 2008)

(Page 1 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			CO ₂ equivalent (Gg)		Gg
Total National Emissions and Removals	42,056.63	299.01	14.02	919.11	54.74	0.00
1. Energy	45,862.46	27.36	1.52	0.00	0.00	0.00
A. Fuel Combustion	45,222.25	5.50	1.51	0.00	0.00	0.00
1. Energy Industries	18,173.29	0.71	0.46	0.00	0.00	0.00
2. Manufacturing Industries and Construction	5,461.03	0.48	0.28	0.00	0.00	0.00
3. Transport	11,684.43	0.52	0.43	0.00	0.00	0.00
4. Other Sectors	9,661.16	3.78	0.33	0.00	0.00	0.00
5. Other	242.34	0.01	0.01	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	640.21	21.87	0.01	0.00	0.00	0.00
1. Solid Fuels	0.00	4.86	0.00	0.00	0.00	0.00
2. Oil and Natural Gas	640.21	17.01	0.01	0.00	0.00	0.00
2. Industrial Processes	660.81	0.76	0.00	919.11	54.74	0.00
A. Mineral Products	449.53	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	156.92	0.76	0.00	0.00	0.00	0.00
C. Metal Production	54.36	0.00	0.00	0.00	1.39	0.00
D. Other Production ⁽⁴⁾	0.00	0.00	0.00	0.00	0.00	0.00
E. Production of Halocarbons and SF ₆	0.00	0.00	0.00	0.00	0.00	0.00
F. Consumption of Halocarbons and SF ₆	0.00	0.00	0.00	919.11	53.35	0.00
G. Other	0.00	0.00	0.00	0.00	0.00	0.00

Table 7A Summary Report for National Greenhouse Gas Inventories (Scotland, 2008)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	(Gg)			CO ₂ equivalent (Gg)		(Gg)
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	145.34	12.14	0.00	0.00	0.00
A. Enteric Fermentation		128.53	0.00	0.00	0.00	0.00
B. Manure Management		16.81	0.97	0.00	0.00	0.00
C. Rice Cultivation		NO	NO	0.00	0.00	0.00
D. Agricultural Soils		NE	11.18	0.00	0.00	0.00
E. Prescribed Burning of Savannas		NO	NO	0.00	0.00	0.00
F. Field Burning of Agricultural Residues		0.00	0.00	0.00	0.00	0.00
G. Other		0.00	0.00	0.00	0.00	0.00
5. Land-Use Change and Forestry	-4,484.94	0.45	0.00	0.00	0.00	0.00
A. Forest Land	-9,158.38	0.30	0.00			
B. Cropland	6,644.23	0.00	0.00			
C. Grassland	-2,733.01	0.09	0.00			
D. Wetlands	0.00	0.00	0.00			
E. Settlements	1,675.59	0.06	0.00			
F. Other land	0.00	0.00	0.00			
G. Other activities	-913.37	0.00	0.00			
6. Waste	18.30	125.1	0.35	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	121.85	0.00	0.00	0.00	0.00
B. Wastewater Handling	0.00	3.24	0.34	0.00	0.00	0.00
C. Waste Incineration	18.30	0.01	0.01	0.00	0.00	0.00
D. Other	0.00	0.00	0.00	0.00	0.00	0.00

Footnotes for Tables 1 to 7

- (1) The following terms are used in inventory reporting: IE - Included Elsewhere; NE - Not Estimated; NA - Not Applicable; NO - Not Occurring
- (2) Emissions from military, off-shore industry, aviation and shipping are unallocated
- (3) Under IPCC Guidelines, emissions of CO₂, CH₄, N₂O and SF₆ are to be expressed as Gg of gas; the emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions.
- (4) CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.