

Table 1 Sectoral Report for Energy (Wales, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
Total Energy	39,292	79.69	1.25
A. Fuel Combustion Activities (Sectoral Approach)	39,134	8.41	1.24
1. Energy Industries	15,535	0.77	0.37
a. Public Electricity and Heat Production	11,255	0.15	0.29
b. Petroleum Refining	3,603	0.09	0.07
c. Manufacture of Solid Fuels and Other Energy Industries	676	0.53	0.02
2. Manufacturing Industries and Construction	11,441	3.48	0.33
a. Iron and Steel	7,792	3.19	0.14
b. Non-Ferrous Metals	IE	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>)	3,648	0.29	0.19
3. Transport	6,178	1.44	0.28
a. Civil Aviation	15.33	0.00	0.00
b. Road Transportation	5,523	1.39	0.17
c. Railways	206.2	0.01	0.08
d. Navigation	429.7	0.04	0.03
e. Other Transportation (<i>please specify</i>)	3.21	0.00	0.00

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
4. Other Sectors	5,815	2.71	0.27
a. Commercial/Institutional	1,205	0.12	0.01
b. Residential	4,082	2.55	0.07
c. Agriculture/Forestry/Fisheries	527	0.04	0.19
5. Other (Military Aircraft and Naval Vessels)	165	0.01	0.01
B. Fugitive Emissions from Fuels	158	71.28	0.00
1. Solid Fuels	158	55.37	0.00
a. Coal Mining	0	55.10	0.00
b. Solid Fuel Transformation	158	0.27	0.00
c. Other (<i>please specify</i>)	NO	NO	NO
2. Oil and Natural Gas	0	15.91	0.00
a. Oil	0	0.00	0.00
b. Natural Gas	0	15.91	NO
c. Venting and Flaring	0	0.00	0.00
Flaring	0	0.00	0.00
Venting	0	0.00	NO
Memo Items: ⁽²⁾			
International Bunkers	NA	NA	NA
Aviation	NA	NA	NA
Marine	NA	NA	NA
CO₂ Emissions from Biomass	NE		

Table 2(I) Sectoral Report for Industrial Processes (Wales, 1990)
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GREENHOUSE GAS SOURCE AND SINK	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
CATEGORIES	(Gg)			Gg CO ₂ Equivalent		Gg
Total Industrial Processes	1,669	0.64	0.01	0.08	312.83	0.00
A. Mineral Products	879	0.00	0.00	0.00	0.00	0.00
1. Cement Production	526	NO	NO	NO	NO	NO
2. Lime Production	0	NO	NO	NO	NO	NO
3. Limestone and Dolomite Use	350	NO	NO	NO	NO	NO
4. Soda Ash Production and Use	3	NO	NO	NO	NO	NO
5. Asphalt Roofing	NE	NO	NO	NO	NO	NO
6. Road Paving with Asphalt	NE	NO	NO	NO	NO	NO
7. Other (fletton bricks)	0	0.00	NO	NO	NO	NO
B. Chemical Industry	0	0.38	0.00	0.00	0.00	0.00
1. Ammonia Production	0	NE	NO	NO	NO	NO
2. Nitric Acid Production	NO	NO	0.00	NO	NO	NO
3. Adipic Acid Production	NO	NO	0.00	NO	NO	NO
4. Carbide Production	NO	NO	NO	NO	NO	NO
5. Other (<i>please specify</i>)	NO	0.38	NO	NO	NO	NO
C. Metal Production	790	0.25	0.01	0.00	305.73	0.00
1. Iron and Steel Production	600.64	0.25	0.01	NO	NO	NO
2. Ferroalloys Production	IE	NE	NO	NO	NO	NO
3. Aluminium Production	189.85	NO	NO	NO	305.73	NO
4. SF ₆ Used in Aluminium and Magnesium Foundries	NO	NO	NO	NO	NO	0.00
5. Other (<i>please specify</i>)	NO	NO	NO	NO	NO	NO

Table 2(I) Sectoral Report for Industrial Processes (Wales, 1990)
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GREENHOUSE GAS SOURCE AND SINK	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
CATEGORIES	(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	NO	NO	NO
2. Food and Drink ⁽²⁾	IE	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF₆	0.00			0.00	0.00	0.00
1. By-product Emissions	NO	NO	NO	0.00	NO	NO
2. Fugitive Emissions	NO	NO	NO	0.00	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	0.08	7.10	0.00
1. Refrigeration and Air Conditioning Equipment	NO	NO	NO	NO	NO	NO
2. Foam Blowing	NO	NO	NO	NO	NO	NO
3. Fire Extinguishers	NO	NO	NO	NO	NO	NO
4. Aerosols/ Metered Dose Inhalers	NO	NO	NO	0.08	NO	NO
5. Solvents	NO	NO	NO	NO	NO	NO
6. Semiconductor Manufacture	NO	NO	NO	NO	NO	NO
7. Electrical Equipment	NO	NO	NO	NO	NO	NO
8. Other (<i>please specify</i>)	NO	NO	NO	NO	7.10	0.00
G. Other (<i>please specify</i>)	0.00	0.00	0.00			

Table 4 Sectoral Report for Agriculture (Wales, 1990)
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GREENHOUSE GAS SOURCE AND SINK	CH₄	N₂O
CATEGORIES	(Gg)	
Total Agriculture	138.77	10.30
A. Enteric Fermentation	125.15	0.00
1. Cattle	72.45	NO
2. Buffalo	NO	NO
3. Sheep	51.99	NO
4. Goats	0.06	NO
5. Camels and Llamas	NO	NO
6. Horses	0.48	NO
7. Mules and Asses	NO	NO
8. Swine	0.15	NO
9. Poultry	0	NO
10. Other (Deer)	0.02	NO
B. Manure Management	13.53	0.44
1. Cattle	11.38	0.00
2. Buffalo	NO	NO
3. Sheep	1.23	0.00
4. Goats	0.00	0.00
5. Camels and Llamas	NO	NO
6. Horses	0.04	0.00
7. Mules and Asses	NO	NO
8. Swine	0.30	0.00
9. Poultry	0.57	0.00
9a. Deer	0.00	0.00

Table 4 Sectoral Report for Agriculture (Wales, 1990)
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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O
	(Gg)	
B. Manure Management (continued)		
10. Anaerobic Lagoons		NO
11. Liquid Systems		0.02
12. Solid Storage and Dry Lot		0.39
13. Other (Poultry Litter, Stables etc)		0.03
C. Rice Cultivation	NO	NO
D. Agricultural Soils⁽¹⁾	NE	9.86
E. Prescribed Burning of Savannas	NO	NO
F. Field Burning of Agricultural Residues	0.09	0.00
1 . Cereals	0.09	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 (Wales, 1990)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
5. Land-Use Change and Forestry	-241.08	0.04	0.00
A. Forest Land	-1178.18		
B. Cropland	969.29		
C. Grassland	-402.05	0.01	0.00
D. Wetlands	0.00		
E. Settlements	705.38	0.03	0.00
F. Other land	0.00		
G. Other activities	-335.52		

Table 6 Sectoral Report for Waste (Wales, 1990)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
Total Waste	48.73	96.29	0.17
A. Solid Waste Disposal on Land	0.00	94.62	0.00
1. Managed Waste Disposal on Land	0.00	94.62	0.00
2. Unmanaged Waste Disposal Sites			
3. Other (<i>please specify</i>)			
B. Wastewater Handling		1.67	0.17
1. Industrial Wastewater			
2. Domestic and Commercial Wastewater	0.00	1.67	0.17
3. Other (<i>please specify</i>)			
C. Waste Incineration	48.73	0.00	0.00
D. Other (<i>please specify</i>)			

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 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	40,849	315.43	11.72	0.08	312.83	0.00
1. Energy	39,292	79.69	1.25	0.00	0.00	0.00
A. Fuel Combustion	39,134	8.41	1.24			
1. Energy Industries	15,535	0.77	0.37			
2. Manufacturing Industries and Construction	11,441	3.48	0.33			
3. Transport	6,178	1.44	0.28			
4. Other Sectors	5,815	2.71	0.27			
5. Other	165.49	0.01	0.01			
B. Fugitive Emissions from Fuels	158.15	71.28	0.00			
1. Solid Fuels	158.15	55.37	0.00			
2. Oil and Natural Gas	0.00	15.91	0.00			
2. Industrial Processes	1,669	0.64	0.01	0.08	312.83	0.00
A. Mineral Products	878.69	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.38	0.00	0.00	0.00	0.00
C. Metal Production	790.49	0.25	0.01	0.00	305.73	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	0.08	7.10	0.00
G. 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)
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	138.77	10.30	0.00	0.00	0.00
A. Enteric Fermentation		125.15	0.00			
B. Manure Management		13.53	0.44			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		NE	9.86			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.09	0.00			
G. Other		0.00	0.00			
5. Land-Use Change and Forestry	-241.08	0.04	0.00	0.00	0.00	0.00
A. Forest Land	-1178.18					
B. Cropland	969.29					
C. Grassland	-402.05	0.01	0.00			
D. Wetlands	0.00					
E. Settlements	705.38	0.03	0.00			
F. Other land	0.00					
G. Other activities	-335.52	0.00				
6. Waste	48.73	96.29	0.17	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	94.62	0.00			
B. Wastewater Handling	0.00	1.67	0.17			
C. Waste Incineration	48.73	0.00	0.00			
D. Other						
7. Other (please specify)	80.61					

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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	38956.97	268.60	11.66	68.21	147.30	0.00
1. Energy	37252.79	42.87	1.29	0.00	0.00	0.00
A. Fuel Combustion	37212.60	8.23	1.29			
1. Energy Industries	11724.88	0.69	0.25			
2. Manufacturing Industries and Construction	13358.46	4.40	0.32			
3. Transport	6160.52	1.12	0.47			
4. Other Sectors	5847.04	2.01	0.25			
5. Other	121.69	0.01	0.00			
B. Fugitive Emissions from Fuels	40.19	34.64	0.00			
1. Solid Fuels	40.19	19.76	0.00			
2. Oil and Natural Gas	0.00	14.88	0.00			
2. Industrial Processes	1790.51	0.62	0.01	68.21	147.30	0.00
A. Mineral Products	911.67	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.33	0.00	0.00	0.00	0.00
C. Metal Production	878.84	0.29	0.01	0.00	143.33	0.00
D. Other Production ⁽³⁾						
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	68.21	3.98	0.00
G. Other						

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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	139.40	10.19	0.00	0.00	0.00
A. Enteric Fermentation		126.27	0.00			
B. Manure Management		13.13	0.43			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	9.76			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		NO	NO			
5. Land-Use Change and Forestry	-219.41	0.03	0.00	0.00	0.00	0.00
A. Forest Land	-1427.45					
B. Cropland	1000.88					
C. Grassland	-447.57	0.01	0.00			
D. Wetlands	0.00					
E. Settlements	696.77	0.02	0.00			
F. Other land	0.00					
G. Other activities	-42.04					
6. Waste	45.19	85.68	0.17	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	83.96	0.00			
B. Wastewater Handling	0.00	1.71	0.17			
C. Waste Incineration	45.19	0.00	0.00			
D. Other						
7. Other (please specify)	87.88	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	41729.89	249.82	12.38	221.04	85.59	0.00
1. Energy	39825.34	37.94	1.36	0.00	0.00	0.00
A. Fuel Combustion	39792.19	9.76	1.36			
1. Energy Industries	12808.17	0.90	0.17			
2. Manufacturing Industries and Construction	14403.05	4.88	0.29			
3. Transport	6415.92	0.89	0.67			
4. Other Sectors	6065.03	3.09	0.22			
5. Other	100.02	0.00	0.00			
B. Fugitive Emissions from Fuels	33.15	28.18	0.00			
1. Solid Fuels	33.15	14.02	0.00			
2. Oil and Natural Gas	0.00	14.16	0.00			
2. Industrial Processes	1908.65	0.50	0.01	221.04	85.59	0.00
A. Mineral Products	1037.97	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.20	0.00	0.00	0.00	0.00
C. Metal Production	870.68	0.30	0.01	0.00	72.40	0.00
D. Other Production ⁽³⁾						
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	221.04	13.19	0.00
G. Other						

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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)		
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	140.17	10.82	0.00	0.00	0.00
A. Enteric Fermentation		127.03	0.00			
B. Manure Management		13.14	0.43			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	10.39			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		NO	NO			
5. Land-Use Change and Forestry	-119.53	0.04	0.00	0.00	0.00	0.00
A. Forest Land	-1001.22					
B. Cropland	1012.45					
C. Grassland	-501.40	0.01	0.00			
D. Wetlands	0.00					
E. Settlements	696.46	0.03	0.00			
F. Other land	0.00					
G. Other activities	-325.84					
6. Waste	28.34	71.17	0.19	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	69.33	0.00			
B. Wastewater Handling	0.00	1.84	0.19			
C. Waste Incineration	28.34	0.00	0.00			
D. Other						
7. Other (please specify)	87.10	0.00	0.00			

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 1999)

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	(Gg)			CO ₂ equivalent (Gg)		Gg
Total National Emissions and Removals	42114.79	236.83	11.98	241.14	75.32	0.00
1. Energy	40054.52	34.52	1.44	0.00	0.00	0.00
A. Fuel Combustion	40042.66	8.87	1.44			
1. Energy Industries	11660.60	0.86	0.16			
2. Manufacturing Industries and Construction	16020.75	4.94	0.31			
3. Transport	6422.55	0.81	0.74			
4. Other Sectors	5843.94	2.25	0.23			
5. Other	94.83	0.00	0.00			
B. Fugitive Emissions from Fuels	11.86	25.65	0.00			
1. Solid Fuels	11.57	11.84	0.00			
2. Oil and Natural Gas	0.29	13.82	0.00			
2. Industrial Processes	2012.92	0.42	0.01	241.14	75.32	0.00
A. Mineral Products	976.35	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.06	0.00	0.00	0.00	0.00
C. Metal Production	1036.57	0.36	0.01	0.00	59.97	0.00
D. Other Production ⁽³⁾						
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	241.14	15.36	0.00
G. Other						

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	CO ₂ equivalent (Gg)					
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	142.85	10.34	0.00	0.00	0.00
A. Enteric Fermentation		129.47	0.00			
B. Manure Management		13.38	0.45			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	9.89			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		NO	NO			
5. Land-Use Change and Forestry	-69.22	0.05	0.00	0.00	0.00	0.00
A. Forest Land	-837.47					
B. Cropland	1016.33					
C. Grassland	-517.75	0.02	0.00			
D. Wetlands	0.00					
E. Settlements	692.68	0.03	0.00			
F. Other land	0.00					
G. Other activities	-423.00					
6. Waste	28.89	59.00	0.19	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	57.21	0.00			
B. Wastewater Handling	0.00	1.78	0.19			
C. Waste Incineration	28.89	0.00	0.00			
D. Other						
7. Other (please specify)	87.69	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	44028.60	231.50	11.38	283.83	110.54	0.01
1. Energy	42098.13	36.58	1.56	0.00	0.00	0.00
A. Fuel Combustion	42078.27	9.02	1.56			
1. Energy Industries	15025.05	0.91	0.24			
2. Manufacturing Industries and Construction	14532.89	4.80	0.29			
3. Transport	6333.10	0.72	0.78			
4. Other Sectors	6098.92	2.59	0.24			
5. Other	88.31	0.00	0.00			
B. Fugitive Emissions from Fuels	19.86	27.55	0.00			
1. Solid Fuels	19.80	13.36	0.00			
2. Oil and Natural Gas	0.06	14.19	0.00			
2. Industrial Processes	1943.77	0.42	0.01	283.83	110.54	0.01
A. Mineral Products	939.14	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.07	0.00	0.00	0.00	0.00
C. Metal Production	1004.63	0.34	0.01	0.00	92.72	0.00
D. Other Production ⁽³⁾						
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	283.83	17.82	0.00
G. Other						

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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)		
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	137.49	9.62	0.00	0.00	0.00
A. Enteric Fermentation		124.54	0.00			
B. Manure Management		12.95	0.42			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	9.20			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		NO	NO			
5. Land-Use Change and Forestry	-132.56	0.05	0.00	0.00	0.00	0.00
A. Forest Land	-1440.66					
B. Cropland	1021.16					
C. Grassland	-541.54	0.03	0.00			
D. Wetlands	0.00					
E. Settlements	689.18	0.02	0.00			
F. Other land	0.00					
G. Other activities	139.31					
6. Waste	31.70	56.97	0.19	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	55.14	0.00			
B. Wastewater Handling	0.00	1.82	0.19			
C. Waste Incineration	31.70	0.00	0.00			
D. Other						
7. Other (please specify)	87.55	0.00	0.00			

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2001)

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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	41883.32	212.16	10.96	320.48	119.54	0.00
1. Energy	40554.96	32.13	1.60	0.00	0.00	0.00
A. Fuel Combustion	40542.26	8.12	1.60			
1. Energy Industries	16149.88	0.68	0.28			
2. Manufacturing Industries and Construction	11571.42	3.34	0.25			
3. Transport	6166.56	0.63	0.81			
4. Other Sectors	6571.42	3.47	0.25			
5. Other	82.98	0.00	0.00			
B. Fugitive Emissions from Fuels	12.70	24.01	0.00			
1. Solid Fuels	12.41	12.27	0.00			
2. Oil and Natural Gas	0.28	11.74	0.00			
2. Industrial Processes	1345.82	0.20	0.01	320.48	119.54	0.00
A. Mineral Products	776.94	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.05	0.00	0.00	0.00	0.00
C. Metal Production	568.89	0.15	0.01	0.00	108.03	0.00
D. Other Production ⁽³⁾						
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	320.48	11.50	0.00
G. Other						

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2001)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	CO ₂ equivalent (Gg)					
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	132.26	9.16	0.00	0.00	0.00
A. Enteric Fermentation		119.38	0.00			
B. Manure Management		12.88	0.42			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	8.74			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		NO	NO			
5. Land-Use Change and Forestry	-136.37	0.06	0.00	0.00	0.00	0.00
A. Forest Land	-1476.76					
B. Cropland	1024.94					
C. Grassland	-542.92	0.04	0.00			
D. Wetlands	0.00					
E. Settlements	687.82	0.02	0.00			
F. Other land	0.00					
G. Other activities	170.57					
6. Waste	32.16	47.50	0.19	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	45.67	0.00			
B. Wastewater Handling	0.00	1.83	0.19			
C. Waste Incineration	32.16	0.00	0.00			
D. Other						
7. Other (please specify)	86.74	0.00	0.00			

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2002)

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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	35604.30	207.30	10.60	348.88	57.28	0.00
1. Energy	34727.94	33.28	1.57	0.00	0.00	0.00
A. Fuel Combustion	34714.75	6.23	1.56			
1. Energy Industries	14604.57	0.46	0.24			
2. Manufacturing Industries and Construction	7351.23	2.09	0.20			
3. Transport	6314.75	0.56	0.86			
4. Other Sectors	6355.09	3.11	0.25			
5. Other	89.12	0.00	0.00			
B. Fugitive Emissions from Fuels	13.19	27.05	0.00			
1. Solid Fuels	12.19	14.08	0.00			
2. Oil and Natural Gas	0.99	12.98	0.00			
2. Industrial Processes	940.97	0.11	0.00	348.88	57.28	0.00
A. Mineral Products	580.34	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.05	0.00	0.00	0.00	0.00
C. Metal Production	360.63	0.06	0.00	0.00	51.93	0.00
D. Other Production ⁽³⁾						
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	348.88	5.34	0.00
G. Other						

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2002)

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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	130.05	8.83	0.00	0.00	0.00
A. Enteric Fermentation		117.63	0.00			
B. Manure Management		12.42	0.39			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	8.44			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		NO	NO			
5. Land-Use Change and Forestry	-173.13	0.05	0.00	0.00	0.00	0.00
A. Forest Land	-1521.57					
B. Cropland	1029.86					
C. Grassland	-559.97	0.04	0.00			
D. Wetlands	0.00					
E. Settlements	685.94	0.01	0.00			
F. Other land	0.00					
G. Other activities	192.61					
6. Waste	19.11	43.81	0.19	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	41.96	0.00			
B. Wastewater Handling	0.00	1.84	0.19			
C. Waste Incineration	19.11	0.00	0.00			
D. Other						
7. Other (please specify)	89.41	0.00	0.00			

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2003)

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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	38128.38	198.70	10.68	370.44	43.56	0.00
1. Energy	36866.05	26.15	1.64	0.00	0.00	0.00
A. Fuel Combustion	36854.59	5.99	1.64			
1. Energy Industries	14252.74	0.43	0.24			
2. Manufacturing Industries and Construction	9832.95	2.87	0.24			
3. Transport	6482.51	0.51	0.91			
4. Other Sectors	6205.79	2.18	0.24			
5. Other	80.60	0.00	0.00			
B. Fugitive Emissions from Fuels	11.46	20.16	0.00			
1. Solid Fuels	10.48	10.09	0.00			
2. Oil and Natural Gas	0.98	10.07	0.00			
2. Industrial Processes	1355.16	0.20	0.01	370.44	43.56	0.00
A. Mineral Products	716.29	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.01	0.00	0.00	0.00	0.00
C. Metal Production	638.87	0.19	0.01	0.00	38.32	0.00
D. Other Production ⁽³⁾						
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	370.44	5.24	0.00
G. Other						

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2003)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
	CO ₂ equivalent (Gg)					
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	133.13	8.84	0.00	0.00	0.00
A. Enteric Fermentation		120.02	0.00			
B. Manure Management		13.11	0.42			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	8.42			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		NO	NO			
5. Land-Use Change and Forestry	-201.99	0.05	0.00	0.00	0.00	0.00
A. Forest Land	-1558.79					
B. Cropland	1035.38					
C. Grassland	-555.62	0.04	0.00			
D. Wetlands	0.00					
E. Settlements	685.22	0.01	0.00			
F. Other land	0.00					
G. Other activities	191.81					
6. Waste	18.98	39.18	0.19	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	37.31	0.00			
B. Wastewater Handling	0.00	1.86	0.19			
C. Waste Incineration	18.98	0.00	0.00			
D. Other						
7. Other (please specify)	90.18	0.00	0.00			

Table 1 Sectoral Report for Energy (Wales, 2004)

(Page 1 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
Total Energy	40,457	27.45	1.68
A. Fuel Combustion Activities (Sectoral Approach)	40,441	6.20	1.68
1. Energy Industries	16,764	0.43	0.25
a. Public Electricity and Heat Production	13,007	0.19	0.17
b. Petroleum Refining	3,475	0.08	0.07
c. Manufacture of Solid Fuels and Other Energy Industries	281	0.16	0.01
2. Manufacturing Industries and Construction	10,751	3.00	0.24
a. Iron and Steel	6,932	2.67	0.11
b. Non-Ferrous Metals	IE	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>)	3,818	0.33	0.13
3. Transport	6,616	0.46	0.96
a. Civil Aviation	22	0.00	0.00
b. Road Transportation	5,999	0.42	0.86
c. Railways	205	0.01	0.08
d. Navigation	385	0.03	0.02
e. Other Transportation (<i>please specify</i>)	4	0.00	0.00

Table 1 Sectoral Report for Energy (Wales, 2004)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
4. Other Sectors	6,228	2.29	0.23
a. Commercial/Institutional	997	0.10	0.00
b. Residential	4,740	2.16	0.05
c. Agriculture/Forestry/Fisheries	491	0.03	0.18
5. Other (Military Aircraft and Naval Vessels)	83	0.00	0.00
B. Fugitive Emissions from Fuels	16	21.25	0.00
1. Solid Fuels	14	9.02	0.00
a. Coal Mining	0	8.95	0.00
b. Solid Fuel Transformation	14	0.07	0.00
c. Other (<i>please specify</i>)	NO	NO	NO
2. Oil and Natural Gas	1	12.24	0.00
a. Oil	0	0.05	0.00
b. Natural Gas	0	12.18	NO
c. Venting and Flaring	1	0.01	0.00
Flaring	1	0.01	0.00
Venting	0	0.00	NO
Memo Items: ⁽²⁾			
International Bunkers	NA	NA	NA
Aviation	NA	NA	NA
Marine	NA	NA	NA
CO₂ Emissions from Biomass	NE		

Table 2(I) Sectoral Report for Industrial Processes (Wales, 2004)
(Page 1 of 2)

GREENHOUSE GAS SOURCE AND SINK	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
CATEGORIES	(Gg)			Gg CO ₂ Equivalent		Gg
Total Industrial Processes	1,491.05	0.26	0.01	369.41	52.56	0.00
A. Mineral Products	753	0.00	0.00	0.00	0.00	0.00
1. Cement Production	420	NO	NO	NO	NO	NO
2. Lime Production	0	NO	NO	NO	NO	NO
3. Limestone and Dolomite Use	320	NO	NO	NO	NO	NO
4. Soda Ash Production and Use	13	NO	NO	NO	NO	NO
5. Asphalt Roofing	NE	NO	NO	NO	NO	NO
6. Road Paving with Asphalt	NE	NO	NO	NO	NO	NO
7. Other (fletton bricks)	0	0.00	NO	NO	NO	NO
B. Chemical Industry	0	0.03	0.00	0.00	0.00	0.00
1. Ammonia Production	0	NE	NO	NO	NO	NO
2. Nitric Acid Production	NO	NO	0.00	NO	NO	NO
3. Adipic Acid Production	NO	NO	0.00	NO	NO	NO
4. Carbide Production	NO	NO	NO	NO	NO	NO
5. Other (<i>please specify</i>)	NO	0.03	NO	NO	NO	NO
C. Metal Production	738	0.23	0.01	0.08	47.88	0.00
1. Iron and Steel Production	545.74	0.23	0.01	NO	NO	NO
2. Ferroalloys Production	IE	NE	NO	NO	NO	NO
3. Aluminium Production	192.38	NO	NO	0.00	47.88	0.00
4. SF ₆ Used in Aluminium and Magnesium Foundries	NO	NO	NO	0.08	0.00	0.00
5. Other (<i>please specify</i>)	NO	NO	NO	NO	NO	NO

Table 2(I) Sectoral Report for Industrial Processes (Wales, 2004)
(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆
CATEGORIES	(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	NO	NO	NO
2. Food and Drink ⁽²⁾	IE	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF₆				0.00	0.00	0.00
1. By-product Emissions	NO	NO	NO	0.00	0.00	NO
2. Fugitive Emissions	NO	NO	NO	0.00	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	369.33	4.68	0.00
1. Refrigeration and Air Conditioning Equipment	NO	NO	NO	195.24	0.00	NO
2. Foam Blowing	NO	NO	NO	25.13	0.00	NO
3. Fire Extinguishers	NO	NO	NO	14.38	0.00	NO
4. Aerosols/ Metered Dose Inhalers	NO	NO	NO	127.62	0.00	NO
5. Solvents	NO	NO	NO	1.65	0.00	NO
6. Semiconductor Manufacture	NO	NO	NO	NO	NO	NO
7. Electrical Equipment	NO	NO	NO	NO	NO	NO
8. Other (<i>please specify</i>)	NO	NO	NO	5.30	4.68	0.00
G. Other (<i>please specify</i>)	0.00	0.00	0.00			

Table 4 Sectoral Report for Agriculture (Wales, 2004)

(Page 1 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O
	(Gg)	
Total Agriculture	133.10	8.56
A. Enteric Fermentation	119.95	0.00
1. Cattle	71.28	NO
2. Buffalo	NO	NO
3. Sheep	47.92	NO
4. Goats	0.03	NO
5. Camels and Llamas	NO	NO
6. Horses	0.67	NO
7. Mules and Asses	NO	NO
8. Swine	0.05	NO
9. Poultry	0	NO
10. Other (Deer)	0.01	NO
B. Manure Management	13.15	0.41
1. Cattle	11.05	0.00
2. Buffalo	NO	NO
3. Sheep	1.14	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	0.09	0.00
9. Poultry	0.82	0.00
9a. Deer	0.00	0.00

Table 4 Sectoral Report for Agriculture (Wales, 2004)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O
	(Gg)	
B. Manure Management (continued)		
10. Anaerobic Lagoons		NO
11. Liquid Systems		0.02
12. Solid Storage and Dry Lot		0.37
13. Other (Poultry Litter, Stables etc)		0.02
C. Rice Cultivation	NO	NO
D. Agricultural Soils⁽¹⁾	NE	8.16
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 (Wales, 2004)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
5. Land-Use Change and Forestry	-248.62	0.05	0.00
A. Forest Land	-1583.90		
B. Cropland	1038.36		
C. Grassland	-572.48	0.03	0.00
D. Wetlands	0.00		
E. Settlements	684.77	0.01	0.00
F. Other land	0.00		
G. Other activities	184.63		

Table 6 Sectoral Report for Waste (Wales, 2004)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O
	(Gg)		
Total Waste	18.93	37.21	0.19
A. Solid Waste Disposal on Land	0.00	35.35	0.00
1. Managed Waste Disposal on Land	0.00	35.35	0.00
2. Unmanaged Waste Disposal Sites			
3. Other (<i>please specify</i>)			
B. Wastewater Handling		1.86	0.19
1. Industrial Wastewater			
2. Domestic and Commercial Wastewater	0.00	1.86	0.19
3. Other (<i>please specify</i>)			
C. Waste Incineration	18.93	0.00	0.00
D. Other (<i>please specify</i>)			

Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2004)

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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	41,808	198.07	10.45	369.41	52.56	0.00
1. Energy	40,457	27.45	1.68	0.00	0.00	0.00
A. Fuel Combustion	40,441	6.20	1.68			
1. Energy Industries	16,764	0.43	0.25			
2. Manufacturing Industries and Construction	10,751	3.00	0.24			
3. Transport	6,616	0.46	0.96			
4. Other Sectors	6,228	2.29	0.23			
5. Other	83.13	0.00	0.00			
B. Fugitive Emissions from Fuels	15.89	21.25	0.00			
1. Solid Fuels	14.46	9.02	0.00			
2. Oil and Natural Gas	1.43	12.24	0.00			
2. Industrial Processes	1,491.05	0.26	0.01	369.41	52.56	0.00
A. Mineral Products	752.92	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	0.00	0.03	0.00	0.00	0.00	0.00
C. Metal Production	738.13	0.23	0.01	0.08	47.88	0.00
D. Other Production	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	369.33	4.68	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 (Wales, 2004)

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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)		
3. Solvent and Other Product Use	0.00	0.00	0.00	0.00	0.00	0.00
4. Agriculture	0.00	133.10	8.56	0.00	0.00	0.00
A. Enteric Fermentation		119.95	0.00			
B. Manure Management		13.15	0.41			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		NE	8.16			
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	-248.62	0.05	0.00	0.00	0.00	0.00
A. Forest Land	-1,583.90					
B. Cropland	1,038.36					
C. Grassland	-572.48	0.03	0.00			
D. Wetlands	0.00					
E. Settlements	684.77	0.01	0.00			
F. Other land	0.00					
G. Other activities	184.63	0.00				
6. Waste	18.93	37.21	0.19	0.00	0.00	0.00
A. Solid Waste Disposal on Land	0.00	35.35	0.00			
B. Wastewater Handling	0.00	1.86	0.19			
C. Waste Incineration	18.93	0.00	0.00			
D. Other						
7. Other (please specify)	90.46	0.00	0.00			