

## Table 1 Sectoral Report for Energy (Wales, 1990)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O
	(Gg)		
<b>Total Energy</b>	<b>41,631</b>	<b>101.70</b>	<b>1.40</b>
<b>A. Fuel Combustion Activities (Sectoral Approach)</b>	<b>41,473</b>	<b>13.58</b>	<b>1.40</b>
<b>1. Energy Industries</b>	<b>15,535</b>	<b>0.79</b>	<b>0.37</b>
a. Public Electricity and Heat Production	11,255	0.15	0.29
b. Petroleum Refining	3,603	0.11	0.07
c. Manufacture of Solid Fuels and Other Energy Industries	676	0.53	0.02
<b>2. Manufacturing Industries and Construction</b>	<b>13,219</b>	<b>3.63</b>	<b>0.45</b>
a. Iron and Steel	7,792	3.29	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> )	5,427	0.34	0.31
<b>3. Transport</b>	<b>6,120</b>	<b>1.41</b>	<b>0.25</b>
a. Civil Aviation	2	0.00	0.00
b. Road Transportation	5,506	1.39	0.17
c. Railways	179	0.01	0.07
d. Navigation	430	0.01	0.01
e. Other Transportation ( <i>please specify</i> )	3	0.00	0.00

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	(Gg)		
<b>4. Other Sectors</b>	<b>6,376</b>	<b>7.74</b>	<b>0.32</b>
a. Commercial/Institutional	1,282	0.13	0.02
b. Residential	4,471	7.57	0.08
c. Agriculture/Forestry/Fisheries	623	0.04	0.22
<b>5. Other (Military Aircraft and Naval Vesse</b>	<b>223</b>	<b>0.01</b>	<b>0.01</b>
<b>B. Fugitive Emissions from Fuels</b>	<b>158</b>	<b>88.12</b>	<b>0.00</b>
<b>1. Solid Fuels</b>	<b>158</b>	<b>72.03</b>	<b>0.00</b>
a. Coal Mining	0	71.76	0.00
b. Solid Fuel Transformation	158	0.27	0.00
c. Other ( <i>please specify</i> )	NO	NO	NO
<b>2. Oil and Natural Gas</b>	<b>0</b>	<b>16.09</b>	<b>0.00</b>
a. Oil	0	0	0.00
b. Natural Gas	0	16	NO
c. Venting and Flaring	0	0.00	0.00
Flaring	0	0	0.00
Venting	0	0	NO
<b>Memo Items: <sup>(2)</sup></b>			
<b>International Bunkers</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
Aviation	<b>NA</b>	<b>NA</b>	<b>NA</b>
Marine	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>CO<sub>2</sub> Emissions from Biomass</b>	<b>NE</b>		

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

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GREENHOUSE GAS SOURCE AND SINK	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
CATEGORIES	(Gg)			Gg CO <sub>2</sub> Equivalent		Gg
<b>Total Industrial Processes</b>	<b>1,795</b>	<b>0.64</b>	<b>0.01</b>	<b>0.08</b>	<b>312.83</b>	<b>0.00</b>
<b>A. Mineral Products</b>	<b>929</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1. Cement Production	576	NO	NO			
2. Lime Production	0	NO	NO			
3. Limestone and Dolomite Use	350	NO	NO			
4. Soda Ash Production and Use	3	NO	NO			
5. Asphalt Roofing	NE	NO	NO			
6. Road Paving with Asphalt	NE	NO	NO			
7. Other (fletton bricks)	0	0.00	NO			
<b>B. Chemical Industry</b>	<b>75</b>	<b>0.39</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1. Ammonia Production	0	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> )	75	0.39	NO			
<b>C. Metal Production</b>	<b>790</b>	<b>0.25</b>	<b>0.01</b>	<b>0.00</b>	<b>305.73</b>	<b>0.00</b>
1. Iron and Steel Production	600	0.25	0.01	0.00	0.00	0.00
2. Ferroalloys Production	IE	NE	NO	0.00	0.00	0.00
3. Aluminium Production	190	NO	NO	0.00	305.73	0.00
4. SF <sub>6</sub> Used in Aluminium and Magnesium Foundries	NO	NO	NO	0.00	0.00	0.00
5. Other ( <i>please specify</i> )	NO	NO	NO	0.00	0.00	0.00

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

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GREENHOUSE GAS SOURCE AND SINK	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
CATEGORIES	(Gg)			Gg CO <sub>2</sub> Equivalent		Gg
<b>D. Other Production</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1. Pulp and Paper	NO	NO	NO	0.00	0.00	0.00
2. Food and Drink <sup>(2)</sup>	IE	NO	NO	0.00	0.00	0.00
<b>E. Production of Halocarbons and SF<sub>6</sub></b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
1. By-product Emissions	NO	NO	NO	0	0.00	0.00
2. Fugitive Emissions	NO	NO	NO	0.00	0.00	0.00
3. Other ( <i>please specify</i> )	NO	NO	NO	0.00	0.00	0.00
<b>F. Consumption of Halocarbons and SF<sub>6</sub></b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>	<b>7.10</b>	<b>0.00</b>
1. Refrigeration and Air Conditioning Equipment	NO	NO	NO	0.00	0.00	0.00
2. Foam Blowing	NO	NO	NO	0.00	0.00	0.00
3. Fire Extinguishers	NO	NO	NO	0.00	0.00	0.00
4. Aerosols/ Metered Dose Inhalers	NO	NO	NO	0.08	0.00	0.00
5. Solvents	NO	NO	NO	0.00	0.00	0.00
6. Semiconductor Manufacture	NO	NO	NO	0.00	0.00	0.00
7. Electrical Equipment	NO	NO	NO	0.00	0.00	0.00
8. Other ( <i>please specify</i> )	NO	NO	NO	0.00	7.10	0.00
<b>G. Other (<i>please specify</i>)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## Table 4 Sectoral Report for Agriculture (Wales, 1990)

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<b>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>
<b>CATEGORIES</b>	<b>(Gg)</b>	
<b>Total Agriculture</b>	<b>138.77</b>	<b>10.36</b>
<b>A. Enteric Fermentation</b>	<b>125.15</b>	<b>0.00</b>
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>B. Manure Management</b>	<b>13.53</b>	<b>0.50</b>
1. Cattle	11.38	NO
2. Buffalo	NO	0.00
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
10. Other Livestock - Deer	0.00	0.00

## Table 4 Sectoral Report for Agriculture (Wales, 1990)

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<b>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>
<b>CATEGORIES</b>	<b>(Gg)</b>	
<b>B. Manure Management (continued)</b>		
11. Anaerobic Lagoons	NO	NO
12. Liquid Systems	NO	0.0180
13. Solid Storage and Dry Lot	NO	0.4436
14. Other AWMS	NO	0.03
<b>C. Rice Cultivation</b>	<b>NO</b>	<b>NO</b>
<b>D. Agricultural Soils <sup>(1)</sup></b>	<b>NE</b>	<b>9.86</b>
<b>E. Prescribed Burning of Savannas</b>	<b>NO</b>	<b>NO</b>
<b>F. Field Burning of Agricultural Residues</b>	<b>0.09</b>	<b>0.00</b>
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
<b>G. Other</b>	<b>0.00</b>	<b>0.000</b>

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

<b>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</b>	<b>CO<sub>2</sub></b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>
<b>CATEGORIES</b>	<b>(Gg)</b>		
<b>5. Land-Use Change and Forestry</b>	<b>-238</b>	<b>0.05</b>	<b>0.00</b>
A. Forest Land	-1,174	0.02	0.00
B. Cropland	969	0	0
C. Grassland	-401	0.01	0.00
D. Wetlands			
E. Settlements	704	0.03	0.00
F. Other land			
G. Other activities	-336	0	0

**Table 6 Sectoral Report for Waste (Wales, 1990)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O
	(Gg)		
<b>Total Waste</b>	<b>49</b>	<b>134</b>	<b>0.17</b>
<b>A. Solid Waste Disposal on Land</b>	<b>0.00</b>	<b>132</b>	<b>0.00</b>
1. Managed Waste Disposal on Land	0.00	132	0.00
2. Unmanaged Waste Disposal Sites			
3. Other ( <i>please specify</i> )			
<b>B. Wastewater Handling</b>	<b>0.00</b>	<b>1.67</b>	<b>0.17</b>
1. Industrial Wastewater			
2. Domestic and Commercial Wastewater	0.00	1.67	0.17
3. Other ( <i>please specify</i> )			
<b>C. Waste Incineration</b>	<b>49</b>	<b>0.00</b>	<b>0.00</b>
<b>D. Other (<i>please specify</i>)</b>			



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

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
	(Gg)			CO <sub>2</sub> equivalent (Gg)		Gg
<b>Total National Emissions and Removals</b>	<b>43,236.30</b>	<b>375.30</b>	<b>11.94</b>	<b>0.08</b>	<b>312.83</b>	<b>0.00</b>
<b>1. Energy</b>	<b>41,630.82</b>	<b>101.70</b>	<b>1.40</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Fuel Combustion	41,472.67	13.58	1.40	0.00	0.00	0.00
1. Energy Industries	15,534.56	0.79	0.37	0.00	0.00	0.00
2. Manufacturing Industries and Construction	13,218.94	3.63	0.45	0.00	0.00	0.00
3. Transport	6,120.28	1.41	0.25	0.00	0.00	0.00
4. Other Sectors	6,376.25	7.74	0.32	0.00	0.00	0.00
5. Other	222.63	0.01	0.01	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	158.15	88.12	0.00	0.00	0.00	0.00
1. Solid Fuels	158.15	72.03	0.00	0.00	0.00	0.00
2. Oil and Natural Gas	0.00	16.09	0.00	0.00	0.00	0.00
<b>2. Industrial Processes</b>	<b>1,794.73</b>	<b>0.64</b>	<b>0.01</b>	<b>0.08</b>	<b>312.83</b>	<b>0.00</b>
A. Mineral Products	928.93	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	75.48	0.39	0.00	0.00	0.00	0.00
C. Metal Production	790.32	0.25	0.01	0.00	305.73	0.00
D. Other Production <sup>(3)</sup>	0.00	0.00	0.00	0.00	0.00	0.00
E. Production of Halocarbons and SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00
F. Consumption of Halocarbons and SF <sub>6</sub>	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	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
CATEGORIES	(Gg)			CO <sub>2</sub> equivalent (Gg)	(Gg)	
<b>3. Solvent and Other Product Use</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>4. Agriculture</b>	<b>0.00</b>	<b>138.77</b>	<b>10.36</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Enteric Fermentation		125.15	0.00	0.00	0.00	0.00
B. Manure Management		13.53	0.50	0.00	0.00	0.00
C. Rice Cultivation		NO	NO	0.00	0.00	0.00
D. Agricultural Soils		NE	9.86	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		0.09	0.00	0.00	0.00	0.00
G. Other		0.00	0.00	0.00	0.00	0.00
<b>5. Land-Use Change and Forestry</b>	<b>-238</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Forest Land	-1,174	0.02	0.00			
B. Cropland	969	0.00	0.00			
C. Grassland	-401	0.01	0.00			
D. Wetlands	0.00	0.00	0.00			
E. Settlements	704	0.03	0.00			
F. Other land	0.00	0.00	0.00			
G. Other activities	-335.52	0.00	0.00			
<b>6. Waste</b>	<b>48.9</b>	<b>134.1</b>	<b>0.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Solid Waste Disposal on Land	0.00	132.47	0.00	0.00	0.00	0.00
B. Wastewater Handling	0.00	1.67	0.17	0.00	0.00	0.00
C. Waste Incineration	48.9	0.0	0.0	0.0	0.0	0.0
D. Other	0.0	0.0	0.0	0.0	0.0	0.0

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	(Gg)			CO <sub>2</sub> equivalent (Gg)		Gg
<b>Total National Emissions and Removals</b>	<b>40841.14</b>	<b>322.71</b>	<b>11.86</b>	<b>67.54</b>	<b>147.30</b>	<b>0.00</b>
<b>1. Energy</b>	<b>39106.46</b>	<b>63.18</b>	<b>1.43</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Fuel Combustion	39066.27	10.20	1.43			
1. Energy Industries	11724.88	0.72	0.25			
2. Manufacturing Industries and Construction	14685.85	4.57	0.43			
3. Transport	6103.91	1.09	0.45			
4. Other Sectors	6389.76	3.81	0.29			
5. Other	161.87	0.00	0.00			
B. Fugitive Emissions from Fuels	40.19	52.98	0.00			
1. Solid Fuels	0.00	37.71	0.00			
2. Oil and Natural Gas	40.19	15.28	0.00			
<b>2. Industrial Processes</b>	<b>1883.86</b>	<b>0.63</b>	<b>0.01</b>	<b>67.54</b>	<b>147.30</b>	<b>0.00</b>
A. Mineral Products	922.55	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	82.57	0.33	0.00	0.00	0.00	0.00
C. Metal Production	878.73	0.29	0.01	0.00	143.33	0.00
D. Other Production <sup>(3)</sup>						
E. Production of Halocarbons and SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00
F. Consumption of Halocarbons and SF <sub>6</sub>	0.00	0.00	0.00	67.54	3.97	0.00
G. Other						

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
	(Gg)			CO <sub>2</sub> equivalent (Gg)		(Gg)
<b>3. Solvent and Other Product Use</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>4. Agriculture</b>	<b>0.00</b>	<b>139.40</b>	<b>10.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Enteric Fermentation		126.27	0.00			
B. Manure Management		13.13	0.48			
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		0.00	0.00			
<b>5. Land-Use Change and Forestry</b>	<b>-194.50</b>	<b>0.14</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Forest Land	-1401.67	0.11	0.00			
B. Cropland	1000.22	0.00	0.00			
C. Grassland	-445.54	0.01	0.00			
D. Wetlands	0.00	0.00	0.00			
E. Settlements	694.52	0.02	0.00			
F. Other land	0.00	0.00	0.00			
G. Other activities	-42.04	0.00	0.00			
<b>6. Waste</b>	<b>45.33</b>	<b>119.36</b>	<b>0.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Solid Waste Disposal on Land	0.00	117.65	0.00			
B. Wastewater Handling	0.00	1.71	0.17			
C. Waste Incineration	45.33	0.01	0.00			
D. Other						
<b>7. Other (please specify)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			

## Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2005)

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GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
	(Gg)			CO <sub>2</sub> equivalent (Gg)		Gg
<b>Total National Emissions and Removals</b>	<b>40552.50</b>	<b>228.52</b>	<b>11.01</b>	<b>383.86</b>	<b>20.35</b>	<b>0.00</b>
<b>1. Energy</b>	<b>39093.11</b>	<b>40.00</b>	<b>1.78</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Fuel Combustion	39082.11	5.42	1.78			
1. Energy Industries	16233.36	0.47	0.26			
2. Manufacturing Industries and Construction	10348.37	2.85	0.34			
3. Transport	6649.64	0.40	0.95			
4. Other Sectors	5743.67	1.69	0.23			
5. Other	107.07	0.00	0.00			
B. Fugitive Emissions from Fuels	11.00	34.59	0.00			
1. Solid Fuels	0.00	22.80	0.00			
2. Oil and Natural Gas	11.00	11.79	0.00			
<b>2. Industrial Processes</b>	<b>1671.89</b>	<b>0.32</b>	<b>0.01</b>	<b>383.86</b>	<b>20.35</b>	<b>0.00</b>
A. Mineral Products	711.81	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	87.59	0.03	0.00	0.00	0.00	0.00
C. Metal Production	872.49	0.29	0.01	0.13	16.05	0.00
D. Other Production <sup>(3)</sup>						
E. Production of Halocarbons and SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00
F. Consumption of Halocarbons and SF <sub>6</sub>	0.00	0.00	0.00	383.73	4.30	0.00
G. Other						

## Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2005)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
	(Gg)			CO <sub>2</sub> equivalent (Gg)		(Gg)
<b>3. Solvent and Other Product Use</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>4. Agriculture</b>	<b>0.00</b>	<b>129.48</b>	<b>9.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Enteric Fermentation		116.77	0.00			
B. Manure Management		12.71	0.44			
C. Rice Cultivation		NO	NO			
D. Agricultural Soils		0.00	8.58			
E. Prescribed Burning of Savannas		NO	NO			
F. Field Burning of Agricultural Residues		0.00	0.00			
G. Other		0.00	0.00			
<b>5. Land-Use Change and Forestry</b>	<b>-230.96</b>	<b>0.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Forest Land	-1506.86	0.01	0.00			
B. Cropland	1040.43	0.00	0.00			
C. Grassland	-574.36	0.03	0.00			
D. Wetlands	0.00	0.00	0.00			
E. Settlements	686.24	0.02	0.00			
F. Other land	0.00	0.00	0.00			
G. Other activities	123.59	0.00	0.00			
<b>6. Waste</b>	<b>18.46</b>	<b>58.66</b>	<b>0.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Solid Waste Disposal on Land	0.00	56.78	0.00			
B. Wastewater Handling	0.00	1.87	0.19			
C. Waste Incineration	18.46	0.01	0.01			
D. Other						
<b>7. Other (please specify)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			

## Table 1 Sectoral Report for Energy (Wales, 2006)

(Page 1 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O
	(Gg)		
<b>Total Energy</b>	<b>40,866</b>	<b>40</b>	<b>1.88</b>
<b>A. Fuel Combustion Activities (Sectoral Approach)</b>	<b>40,851</b>	<b>5.67</b>	<b>1.88</b>
<b>1. Energy Industries</b>	<b>17,428</b>	<b>0.53</b>	<b>0.33</b>
a. Public Electricity and Heat Production	14,007	0.19	0.24
b. Petroleum Refining	3,027	0.08	0.08
c. Manufacture of Solid Fuels and Other Energy Industries	394	0.26	0.01
<b>2. Manufacturing Industries and Construction</b>	<b>10,880</b>	<b>3.04</b>	<b>0.35</b>
a. Iron and Steel	6,802	2.73	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> )	4,078	0.31	0.24
<b>3. Transport</b>	<b>6,880</b>	<b>0.38</b>	<b>0.98</b>
a. Civil Aviation	16	0.00	0.00
b. Road Transportation	6,118	0.35	0.89
c. Railways	208	0.02	0.08
d. Navigation	534	0.01	0.01
e. Other Transportation ( <i>please specify</i> )	4	0.00	0.00

## Table 1 Sectoral Report for Energy (Wales, 2006)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O
	(Gg)		
<b>4. Other Sectors</b>	<b>5,559</b>	<b>1.72</b>	<b>0.22</b>
a. Commercial/Institutional	691	0.07	0.00
b. Residential	4,349	1.62	0.03
c. Agriculture/Forestry/Fisheries	518	0.03	0.19
<b>5. Other (Military Aircraft and Naval Vessels)</b>	<b>104</b>	<b>0.00</b>	<b>0.00</b>
<b>B. Fugitive Emissions from Fuels</b>	<b>15</b>	<b>33.84</b>	<b>0.00</b>
<b>1. Solid Fuels</b>	<b>15</b>	<b>22.65</b>	<b>0.00</b>
a. Coal Mining	0	22.55	0.00
b. Solid Fuel Transformation	15	0.10	0.00
c. Other ( <i>please specify</i> )	NO	NO	NO
<b>2. Oil and Natural Gas</b>	<b>0</b>	<b>11.19</b>	<b>0.00</b>
a. Oil	0	0	0.00
b. Natural Gas	0	11	NO
c. Venting and Flaring	0	0.00	0.00
Flaring	0	0	0.00
Venting	0	0	NO
<b>Memo Items: <sup>(2)</sup></b>			
<b>International Bunkers</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
Aviation	<b>NA</b>	<b>NA</b>	<b>NA</b>
Marine	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>CO<sub>2</sub> Emissions from Biomass</b>	<b>NE</b>		



## Table 2(I) Sectoral Report for Industrial Processes (Wales, 2006)

(Page 1 of 2)

GREENHOUSE GAS SOURCE AND SINK	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
CATEGORIES	(Gg)			Gg CO <sub>2</sub> Equivalent	Gg	
<b>Total Industrial Processes</b>	<b>1,775.08</b>	<b>0.25</b>	<b>0.01</b>	<b>382.51</b>	<b>44.88</b>	<b>0.00</b>
<b>A. Mineral Products</b>	<b>914</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1. Cement Production	539	NO	NO	0.00	0.00	0.00
2. Lime Production	0	NO	NO	0.00	0.00	0.00
3. Limestone and Dolomite Use	359	NO	NO	0.00	0.00	0.00
4. Soda Ash Production and Use	16	NO	NO	0.00	0.00	0.00
5. Asphalt Roofing	NE	NO	NO	0.00	0.00	0.00
6. Road Paving with Asphalt	NE	NO	NO	0.00	0.00	0.00
7. Other (fletton bricks)	0	0.00	NO	0.00	0.00	0.00
<b>B. Chemical Industry</b>	<b>88</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1. Ammonia Production	0	NE	NO	0.00	0.00	0.00
2. Nitric Acid Production	NO	NO	0.00	0.00	0.00	0.00
3. Adipic Acid Production	NO	NO	0.00	0.00	0.00	0.00
4. Carbide Production	NO	NO	NO	0.00	0.00	0.00
5. Other ( <i>please specify</i> )	88	0.02	NO	0.00	0.00	0.00
<b>C. Metal Production</b>	<b>773</b>	<b>0.23</b>	<b>0.01</b>	<b>0.15</b>	<b>40.74</b>	<b>0.00</b>
1. Iron and Steel Production	548	0.23	0.01	0.00	0.00	0.00
2. Ferroalloys Production	IE	NE	NO	0.00	0.00	0.00
3. Aluminium Production	225	NO	NO	0.00	40.74	0.00
4. SF <sub>6</sub> Used in Aluminium and Magnesium Foundries	NO	NO	NO	0.15	0.00	0.00
5. Other ( <i>please specify</i> )	NO	NO	NO	0.00	0.00	0.00

## Table 2(I) Sectoral Report for Industrial Processes (Wales, 2006)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
CATEGORIES	(Gg)			Gg CO <sub>2</sub> Equivalent		Gg
<b>D. Other Production</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1. Pulp and Paper	NO	NO	NO	0.00	0.00	0.00
2. Food and Drink <sup>(2)</sup>	IE	NO	NO	0.00	0.00	0.00
<b>E. Production of Halocarbons and SF<sub>6</sub></b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
1. By-product Emissions	NO	NO	NO	0.00	0.00	0.00
2. Fugitive Emissions	NO	NO	NO	0.00	0.00	0.00
3. Other ( <i>please specify</i> )	NO	NO	NO	0.00	0.00	0.00
<b>F. Consumption of Halocarbons and SF<sub>6</sub></b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>382.36</b>	<b>4.14</b>	<b>0.00</b>
1. Refrigeration and Air Conditioning Equipment	NO	NO	NO	193.44	0.00	0.00
2. Foam Blowing	NO	NO	NO	30.28	0.00	0.00
3. Fire Extinguishers	NO	NO	NO	14.91	0.00	0.00
4. Aerosols/ Metered Dose Inhalers	NO	NO	NO	135.29	0.00	0.00
5. Solvents	NO	NO	NO	2.84	0.00	0.00
6. Semiconductor Manufacture	NO	NO	NO	0.00	0.00	0.00
7. Electrical Equipment	NO	NO	NO	0.00	0.00	0.00
8. Other ( <i>please specify</i> )	NO	NO	NO	5.60	4.14	0.00
<b>G. Other (<i>please specify</i>)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## Table 4 Sectoral Report for Agriculture (Wales, 2006)

(Page 1 of 2)

<b>GREENHOUSE GAS SOURCE AND SINK</b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>
<b>CATEGORIES</b>	<b>(Gg)</b>	
<b>Total Agriculture</b>	<b>135.09</b>	<b>8.45</b>
<b>A. Enteric Fermentation</b>	<b>121.78</b>	<b>0.00</b>
1. Cattle	74.23	NO
2. Buffalo	NO	NO
3. Sheep	46.58	NO
4. Goats	0.04	NO
5. Camels and Llamas	NO	NO
6. Horses	0.89	NO
7. Mules and Asses	NO	NO
8. Swine	0.04	NO
9. Poultry	0	NO
10. Other (Deer)	0.01	NO
<b>B. Manure Management</b>	<b>13.31</b>	<b>0.46</b>
1. Cattle	11.58	0.00
2. Buffalo	NO	NO
3. Sheep	1.11	0.00
4. Goats	0.00	0.00
5. Camels and Llamas	NO	NO
6. Horses	0.07	0.00
7. Mules and Asses	NO	NO
8. Swine	0.08	0.00
9. Poultry	0.47	0.00
10. Other Livestock - Deer	0.00	0.00

## Table 4 Sectoral Report for Agriculture (Wales, 2006)

(Page 2 of 2)

<b>GREENHOUSE GAS SOURCE AND SINK</b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>
<b>CATEGORIES</b>	<b>(Gg)</b>	
<b>B. Manure Management (continued)</b>		
11. Anaerobic Lagoons	NO	NO
12. Liquid Systems	NO	0.02
13. Solid Storage and Dry Lot	NO	0.42
14. Other AWMS	NO	0.02
<b>C. Rice Cultivation</b>	<b>NO</b>	<b>NO</b>
<b>D. Agricultural Soils <sup>(1)</sup></b>	<b>NE</b>	<b>7.99</b>
<b>E. Prescribed Burning of Savannas</b>	<b>NO</b>	<b>NO</b>
<b>F. Field Burning of Agricultural Residues</b>	<b>0.00</b>	<b>0.00</b>
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
<b>G. Other</b>	<b>0.00</b>	<b>0.00</b>

**Table 5 Sectoral Report for Land Use Change and Forestry (Wales, 2006)**

<b>GREENHOUSE GAS SOURCE AND SINK</b>	<b>CO<sub>2</sub></b>	<b>CH<sub>4</sub></b>	<b>N<sub>2</sub>O</b>
<b>CATEGORIES</b>	<b>(Gg)</b>		
<b>5. Land-Use Change and Forestry</b>	<b>-205</b>	<b>0.11</b>	<b>0.00</b>
A. Forest Land	-1,476	0	0
B. Cropland	1,045	0	0
C. Grassland	-586	0	0
D. Wetlands			
E. Settlements	685	0	0
F. Other land			
G. Other activities	127	0	0

**Table 6 Sectoral Report for Waste (Wales, 2006)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O
	(Gg)		
<b>Total Waste</b>	<b>14</b>	<b>56</b>	<b>0</b>
<b>A. Solid Waste Disposal on Land</b>	<b>0.00</b>	<b>54</b>	<b>0.00</b>
1. Managed Waste Disposal on Land	0.00	54	0.00
2. Unmanaged Waste Disposal Sites			
3. Other ( <i>please specify</i> )			
<b>B. Wastewater Handling</b>	<b>0.00</b>	<b>1.87</b>	<b>0.20</b>
1. Industrial Wastewater			
2. Domestic and Commercial Wastewater	0.00	1.87	0.20
3. Other ( <i>please specify</i> )			
<b>C. Waste Incineration</b>	<b>14</b>	<b>0.01</b>	<b>0.01</b>
<b>D. Other (<i>please specify</i>)</b>			

## Table 7A Summary Report for National Greenhouse Gas Inventories (Wales, 2006)

(Page 1 of 2)

GREENHOUSE GAS SOURCE AND SINK	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
CATEGORIES	(Gg)			CO <sub>2</sub> equivalent (Gg)	Gg	
<b>Total National Emissions and Removals</b>	<b>42,450.25</b>	<b>231.30</b>	<b>10.54</b>	<b>382.51</b>	<b>44.88</b>	<b>0.00</b>
<b>1. Energy</b>	<b>40,866.47</b>	<b>39.51</b>	<b>1.88</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Fuel Combustion	40,851.04	5.67	1.88	0.00	0.00	0.00
1. Energy Industries	17,428.20	0.53	0.33	0.00	0.00	0.00
2. Manufacturing Industries and Construction	10,879.99	3.04	0.35	0.00	0.00	0.00
3. Transport	6,880.11	0.38	0.98	0.00	0.00	0.00
4. Other Sectors	5,558.84	1.72	0.22	0.00	0.00	0.00
5. Other	103.90	0.00	0.00	0.00	0.00	0.00
B. Fugitive Emissions from Fuels	15.43	33.84	0.00	0.00	0.00	0.00
1. Solid Fuels	15.19	22.65	0.00	0.00	0.00	0.00
2. Oil and Natural Gas	0.25	11.19	0.00	0.00	0.00	0.00
<b>2. Industrial Processes</b>	<b>1,775.08</b>	<b>0.25</b>	<b>0.01</b>	<b>382.51</b>	<b>44.88</b>	<b>0.00</b>
A. Mineral Products	914.34	0.00	0.00	0.00	0.00	0.00
B. Chemical Industry	87.82	0.02	0.00	0.00	0.00	0.00
C. Metal Production	772.92	0.23	0.01	0.15	40.74	0.00
D. Other Production <sup>(3)</sup>	0.00	0.00	0.00	0.00	0.00	0.00
E. Production of Halocarbons and SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00
F. Consumption of Halocarbons and SF <sub>6</sub>	0.00	0.00	0.00	382.36	4.14	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, 2006)

(Page 2 of 2)

GREENHOUSE GAS SOURCE AND SINK	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	SF <sub>6</sub>
CATEGORIES	(Gg)			CO <sub>2</sub> equivalent (Gg)		(Gg)
<b>3. Solvent and Other Product Use</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>4. Agriculture</b>	<b>0.00</b>	<b>135.09</b>	<b>8.45</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Enteric Fermentation		121.78	0.00	0.00	0.00	0.00
B. Manure Management		13.31	0.46	0.00	0.00	0.00
C. Rice Cultivation		NO	NO	0.00	0.00	0.00
D. Agricultural Soils		NE	7.99	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
<b>5. Land-Use Change and Forestry</b>	<b>-205</b>	<b>0.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Forest Land	-1,476	0	0			
B. Cropland	1,045	0	0			
C. Grassland	-586	0.03	0.00			
D. Wetlands	0.00	0.00	0.00			
E. Settlements	685	0.02	0.00			
F. Other land	0.00	0.00	0.00			
G. Other activities	126.82	0.00	0.00			
<b>6. Waste</b>	<b>14.1</b>	<b>56.3</b>	<b>0.20</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
A. Solid Waste Disposal on Land	0.00	54.47	0.00	0.00	0.00	0.00
B. Wastewater Handling	0.00	1.87	0.20	0.00	0.00	0.00
C. Waste Incineration	14.1	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<sup>m</sup>**

- a Net flux may be estimated as the sum of emissions and removals
- b Emissions from military, off-shore industry, aviation and shipping are unallocated
- c Fugitive emissions from oil and gas terminals and on-shore fields only
- d Emissions given for information only and are not totalled
- e Fugitive and byproduct emissions are combined.
- f Includes metered dose inhalers
- g Field burning ceased in 1994
- h Sum of removals to forest biomass, forest litter and forest soil
- i Sum of emissions from soils and removals to soils due to land use change (not forestry), Set Aside and liming of agricultural land
- j Sum of emissions from soils due to upland drainage, lowland drainage and peat extraction
- k 5E Removals are increases in crop biomass
- l Emissions from own wastewater treatment by industry not estimated
- m The following IPCC tables are omitted because they are not applicable: Tables 3, 7B sheet 3