

GHG Summary Report for 2018/2019

GAS - SCOPE 1

| Directorate | Amount used (kWh) | Consumption Weather Corrected (kWh) | CO ₂ (kg) | CO ₂ Weather Corrected (kg) | CH ₄ (kg) | N ₂ O (kg) | CO ₂ e (kg) |
|-------------|-------------------|-------------------------------------|----------------------|----------------------------------------|----------------------|-----------------------|------------------------|
| Corporate | 10,444,854 | 11,728,949 | 1,917,884 | 2,153,670 | 2,507 | 1,044 | 1,921,435 |
| Housing | 11,210,198 | 12,588,385 | 2,058,417 | 2,311,479 | 2,690 | 1,121 | 2,062,228 |
| Schools | 31,779,124 | 35,686,063 | 5,835,283 | 6,552,675 | 7,627 | 3,178 | 5,846,088 |
| | 53,434,176 | 60,003,397 | 9,811,583 | 11,017,824 | 12,824 | 5,343 | 9,829,751 |

TRANSPORT - SCOPE 1

| Type of Fuel | Amount used (litres) | CO ₂ (kg) | CH ₄ (kg) | N ₂ O (kg) | CO ₂ e (kg) |
|-----------------|----------------------|----------------------|----------------------|-----------------------|------------------------|
| Diesel & Petrol | 695,614 | 1,790,856 | 428 | 25,187 | 1,816,471 |
| | 695,614 | 1,790,856 | 428 | 25,187 | 1,816,471 |

ELECTRICITY - SCOPE 2

| Directorate | Amount used (kWh) | CO ₂ (kg) | CH ₄ (kg) | N ₂ O (kg) | CO ₂ e (kg) |
|-----------------|-------------------|----------------------|----------------------|-----------------------|------------------------|
| Corporate | 6,998,197 | 1,905,668 | 4,478 | 10,380 | 1,920,526 |
| Housing | 2,241,038 | 629,463 | 1,479 | 3,429 | 634,371 |
| Public Lighting | 5,392,944 | 1,514,770 | 3,559 | 8,251 | 1,526,581 |
| Schools | 13,234,858 | 3,717,407 | 8,735 | 20,249 | 3,746,391 |
| | 27,867,037 | 7,767,308 | 18,251 | 42,310 | 7,827,869 |

TRANSMISSION AND DISTRIBUTION ELECTRICITY - SCOPE 3

| Energy User | Amount used (kWh) | CO ₂ (kg) | CH ₄ (kg) | N ₂ O (kg) | CO ₂ e (kg) |
|-----------------|-------------------|----------------------|----------------------|-----------------------|------------------------|
| Corporate | 6,998,197 | 162,424 | 407 | 882 | 163,713 |
| Housing | 2,241,038 | 53,650 | 134 | 291 | 54,076 |
| Public Lighting | 5,392,944 | 129,107 | 324 | 701 | 130,132 |
| Schools | 13,234,858 | 316,843 | 794 | 1,721 | 319,357 |
| | 27,867,037 | 662,024 | 1,659 | 3,595 | 667,278 |

LESS GREEN ELECTRICITY - SCOPE 2

| Energy User | Amount used (kWh) | CO ₂ (kg) | CH ₄ (kg) | N ₂ O (kg) | CO ₂ e (kg) |
|-----------------|-------------------|----------------------|----------------------|-----------------------|------------------------|
| Public Lighting | 5,392,944 | 1,514,770 | 3,559 | 8,251 | 1,526,581 |
| | 5,392,944 | 1,514,770 | 3,559 | 8,251 | 1,526,581 |

| | Total Energy Consumption (kWh) | Consumption Weather Corrected (kWh) - Gas Only | CO ₂ (kg) | CO ₂ Weather Corrected (kg) - Only Gas has been weather corrected | CH ₄ (kg) | N ₂ O (kg) | CO ₂ e (kg) |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------|----------------------|------------------------------------------------------------------------------|----------------------|-----------------------|------------------------|
| Total : Gas Scope 1 + Transport Scope 1 + Electricity Scope 2 + Electricity T & D Scope 3 LESS Green Electricity Scope 2 | 104,470,920 | 60,003,397 | 18,517,001 | 11,017,824 | 29,604 | 68,184 | 18,614,789 |