

GHG Summary Report for 2019/2020

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 | 11,189,848 | 11,859,097 | 2,053,449 | 2,176,263 | 2,686 | 1,119 | 2,057,254 |
| Housing | 9,633,642 | 10,209,817 | 1,767,870 | 1,873,603 | 2,312 | 963 | 1,771,145 |
| Schools | 29,104,035 | 30,844,707 | 5,340,881 | 5,660,312 | 6,985 | 2,910 | 5,350,777 |
| Total | 49,927,525 | 52,913,621 | 9,162,200 | 9,710,179 | 11,983 | 4,993 | 9,179,175 |

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 | 794,643 | 2,025,201 | 396 | 26,546 | 2,052,143 |
| Total | 794,643 | 2,025,201 | 396 | 26,546 | 2,052,143 |

ELECTRICITY - SCOPE 2

| Directorate | Amount used (kWh) | CO ₂ (kg) | CH ₄ (kg) | N ₂ O (kg) | CO ₂ e (kg) |
|-----------------|-------------------|----------------------|----------------------|-----------------------|------------------------|
| Corporate | 7,398,971 | 1,876,231 | 4,809 | 10,137 | 1,891,177 |
| Housing | 1,636,884 | 415,081 | 1,064 | 2,243 | 418,388 |
| Public Lighting | 5,297,640 | 1,343,376 | 3,443 | 7,258 | 1,354,077 |
| Schools | 12,684,473 | 3,216,529 | 8,245 | 17,378 | 3,242,151 |
| Total | 27,017,968 | 6,851,216 | 17,562 | 37,015 | 6,905,793 |

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 | 7,398,971 | 155,098 | 360 | 864 | 156,323 |
| Housing | 1,636,884 | 35,242 | 82 | 196 | 35,520 |
| Public Lighting | 5,297,640 | 114,058 | 265 | 636 | 114,959 |
| Schools | 12,684,473 | 273,097 | 634 | 1,522 | 275,253 |
| Total | 27,017,968 | 577,495 | 1,341 | 3,219 | 582,055 |

LESS GREEN ELECTRICITY - SCOPE 2

| Energy User | Amount used (kWh) | CO ₂ (kg) | CH ₄ (kg) | N ₂ O (kg) | CO ₂ e (kg) |
|--|-------------------|----------------------|----------------------|-----------------------|------------------------|
| Renewable Energy (solar PV - 14 sites) | 239,073 | 60,624 | 155 | 328 | 61,107 |
| Total | 239,073 | 60,624 | 155 | 328 | 61,107 |

| | 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 | 104,758,103 | 52,913,621 | 18,616,113 | 9,710,179 | 31,282 | 71,772 | 18,719,166 |