

## Greenhouse gas emissions from RBKC own estate and operations

Royal Borough of Kensington and Chelsea 2013/14 report

### 1. Summary of RBKC GHG emissions

| GHG emissions data for period 1 April 2010 to 31 March 2014 |                             |                  |                  |                  |
|---|-----------------------------|------------------|------------------|------------------|
|   | Tonnes of CO <sub>2</sub> e |                  |                  |                  |
|   | 2010/11                     | 2011/12          | 2012/13          | 2013/14          |
| Scope 1   | 7,111.16                    | 5,696.82         | 7,480.40         | 5,712.06         |
| Scope 2   | 15,371.45                   | 14,256.06        | 12,711.83        | 9,795.20         |
| Scope 3   | 4,504.39                    | 4,205.57         | 5,764.33         | 3,314.51         |
| <b>Total gross emissions</b>                                | <b>26,987.00</b>            | <b>24,158.45</b> | <b>25,956.56</b> | <b>18,821.78</b> |
| Green tariff  | (4,751.31)                  | (4,602.02)       | 0                | 0                |
| <b>Total annual net emissions</b>                           | <b>22,235.69</b>            | <b>19,952.43</b> | <b>25,956.56</b> | <b>18,821.78</b> |

### 2. Reporting period

This report is produced on a financial year basis, 1 April 2013 to 31 March 2014.

### 3. Change in Emissions

The Council has significantly decreased both net and gross emissions in 2013/14 from the previous year 2012/13 by over 7,000 tonnes of CO<sub>2</sub>e. There is no baseline year to compare the change in emissions.

### 4. Approach

This assessment follows the Government's 'Environmental Reporting Guidelines: including mandatory greenhouse gas emissions reporting guidance'. The guidance can be read here: <https://www.gov.uk/government/publications/environmental-reporting-guidelines-including-mandatory-greenhouse-gas-emissions-reporting-guidance>  
The purpose of this report is to quantify GHG emissions from the Council's estate and key contractors, but not to detail the actions being taken to reduce GHG emissions (for more information please see section 7 below).

### 5. Organisational boundary

The assessment includes all council's operational offices and estates including borough schools and street lighting, and seven key contractors who deliver the some of our important services for the community on behalf of the Council.

### 6. Operational scopes

Scope 1, 2 and significant scope 3 emissions are measured in this report.

## 7. The targets

The Council participated in 2007/08 phase 6 of the Carbon Trust's Local Authority Carbon Management Programme (LACMP). Since 2007/08 the Council has been monitoring its carbon emissions and set the target of 40% reduction by March 2020 from the 2007/08 base year according to LACMP methodology. The Council reports upon its carbon reduction work through the annual Carbon Performance Report, which covers a similar scope to this report. Further information and past reports can be found at [www.rbkc.gov.uk/carbon](http://www.rbkc.gov.uk/carbon).

In addition to the 40% target, the Council set interim targets of 20% reduction by 2013/14 and 30% by 2016/17. The first interim carbon reduction of 20%, set for March 2014, was ultimately surpassed with a 21.6% reduction. No particular target is currently set for the greenhouse gas emissions which are outlined in this report. Please see the [Council's Carbon Management Plan](#) for more detail about our carbon management targets.

## 8. Green tariffs

None of the electricity consumed by the Council estate in the year 2013/14 was covered by a green tariff.

## 9. Breakdown emissions in 2013/14

| 2013/14                        | GHG emissions in tonnes of CO <sub>2</sub> e | Note   |
|--------------------------------|--|--|
| <b>Scope 1</b>                 |  |  |
| Natural Gas                    | 5,251.04                                     | Natural gas consumed at the Council estates and schools  |
| Gas Oil                        | 313.16                                       |  |
| LPG                            | 1.93   |  |
| Own transportation             | 145.93                                       | The Council's fleet vehicles   |
| Fugitive and process emissions | -  | Process and fugitive emissions are excluded due to a lack of information   |
| <b>TOTAL SCOPE 1</b>           | <b>5,712.06</b>                              |  |
| <b>Scope 2</b>                 |  |  |
| Purchased electricity          | 9,795.20                                     | Electricity used at the Council estates and schools  |
| <b>TOTAL SCOPE 2</b>           | <b>9,795.20</b>                              |  |
| <b>Scope 3</b>                 |  |  |
| Water supply/treatment         | 209.91                                       | Water used at the Council estates and schools.   |
| Transmission and distribution  | 837.52                                       | Transmission and distribution associated with purchased electricity  |
| Business Travel                | 13.07  | Staff using own vehicles for business purpose is included but public transportation and other transportation use are excluded due to a lack of sufficient information. |
| Key Contractors                | 2,238.32                                     | Emissions from energy used by the key contractors at their office/estates and transportation/fleet activities.   |
| Employee Commuting             | -  | Emissions from staff commuting are excluded since its complex nature to required data.   |

|                      |                 |  |
|----------------------|-----------------|--|
| Waste Disposal       | 15.69           | This is limited to office waste and excludes all contractor waste. |
| <b>TOTAL SCOPE 3</b> | <b>3,314.51</b> |  |

## 10. Breakdown emissions in 2012/13

| 2012/13                        | GHG emissions in tonnes of CO <sub>2</sub> e | Note   |
|--------------------------------|--|--|
| <b>Scope 1</b>                 |  |  |
| Natural Gas                    | 7,014.24                                     | Natural gas consumed at the Council estates and schools.<br>Gas oil was consumed at one school.  |
| Gas Oil                        | 314.27                                       |  |
| LPG                            | -  |  |
| Own transportation             | 151.89                                       | The Council's fleet vehicles   |
| Fugitive and process emissions | -  | Process and fugitive emissions are excluded due to a lack of information   |
| <b>TOTAL SCOPE 1</b>           | <b>7,480.40</b>                              |  |
| <b>Scope 2</b>                 |  |  |
| Purchased electricity          | 12,711.83                                    | Electricity used at the Council estates and schools  |
| <b>TOTAL SCOPE 2</b>           | <b>12,711.83</b>                             |  |
| <b>Scope 3</b>                 |  |  |
| Water supply/treatment         | 217.47                                       | Water used at the Council estates and schools.   |
| Transmission and distribution  | 1,696.56                                     | Transmission and distribution of purchased electricity.  |
| Business Travel                | 19.92  | Staff using own vehicles for business purpose is included but public transportation and other transportation use are excluded due to a lack of sufficient information. |
| Key Contractors                | 3,830.38                                     | Emissions from energy used by the key contractors at their office/estates and transportation/fleet activities.   |
| Employee Commuting             | -  | Emissions from staff commuting are excluded since its complex nature to required data.   |
| Waste Disposal                 | -  | Emissions from waste disposal are excluded in this report due to a lack of sufficient information. The Council intends to include this information from next year.     |
| <b>TOTAL SCOPE 3</b>           | <b>5,764.33</b>                              |  |

## 11. Breakdown emissions in 2011/12

| 2011/12        | GHG emissions in tonnes of CO <sub>2</sub> e | Note  |
|----------------|--|---|
| <b>Scope 1</b> |  |   |
| Natural Gas    | 5,166.19                                     | Natural gas, oil, and LPG consumed at the Council estates and schools |
| Gas Oil        | 356.86                                       |   |
| LPG            | 37.18  |   |

|                                |                  |   |
|--------------------------------|------------------|---|
| Own transportation             | 136.58           | The Council's fleet vehicles  |
| Fugitive and process emissions | -                | Process and fugitive emissions are excluded due to a lack of information  |
| <b>TOTAL SCOPE 1</b>           | <b>5,696.82</b>  |   |
| <b>Scope 2</b>                 |                  |   |
| Purchased electricity          | 14,256.06        | Electricity used at the Council estates and schools (91% of this was supplied under the green tariff which qualifies for 15% reduction) and street lighting (100% supply under 100% green tariff) |
| <b>TOTAL SCOPE 2</b>           | <b>14,256.06</b> |   |
| <b>Scope 3</b>                 |                  |   |
| Water supply/treatment         | 116.73           | Water used at the Council estates. Schools are excluded.  |
| Business Travel                | 27.86            | Staff using own vehicles for business purpose is included but public transportation and other transportation use are excluded due to a lack of sufficient information.                            |
| Key Contractors                | 4,060.98         | Emissions from energy used by the key contractors at their office/estates and transportation/fleet activities.  |
| Employee Commuting             | -                | Emissions from staff commuting are excluded since its complex nature to required data.  |
| Waste Disposal                 | -                | Emissions from waste disposal are excluded in this report due to a lack of sufficient information.  |
| <b>TOTAL SCOPE 3</b>           | <b>4,205.57</b>  |   |

## 12. Breakdown emissions in 2010/11

| 2010/11                        | GHG emissions in tonnes of CO <sub>2</sub> e | Note  |
|--------------------------------|--|---|
| <b>Scope 1</b>                 |  |   |
| Natural Gas                    | 6,454.71                                     | Natural gas, oil, and LPG consumed at the Council estates and schools   |
| Gas Oil                        | 467.97                                       |   |
| LPG                            | 36.24  |   |
| Own transportation             | 152.24*                                      | The Council's fleet vehicles. *Previously reported in 2010/11 GHG report as 158.49  |
| Fugitive and process emissions | -  | Process and fugitive emissions are excluded due to a lack of information  |
| <b>TOTAL SCOPE 1</b>           | <b>7,111.16</b>                              |   |
| <b>Scope 2</b>                 |  |   |
| Purchased electricity          | 15,371.45                                    | Electricity used at the Council estates and schools (89.3% of this was supplied under the green tariff which qualifies for 15% reduction) and street lighting (100% supply under 100% green tariff) |
| <b>TOTAL SCOPE 2</b>           | <b>15,371.45</b>                             |   |
| <b>Scope 3</b>                 |  |   |
| Water supply/treatment         | 109.32                                       | Water used at the Council estates. Schools are excluded.  |
| Business Travel                | 36.68  | Staff using own vehicles for business purpose is included but public transportation and other transportation use are excluded due to a lack of  |

|                      |                 |  |
|----------------------|-----------------|--|
|                      |                 | sufficient information.  |
| Key Contractors      | 4,358.39        | Emissions from energy used by the key contractors at their office/estates and transportation/fleet activities. |
| Employee Commuting   | -               | Emissions from staff commuting are excluded since its complex nature to required data.                         |
| Waste Disposal       | -               | Emissions from waste disposal are excluded in this report due to a lack of sufficient information.             |
| <b>TOTAL SCOPE 3</b> | <b>4,504.39</b> |  |

For further information please contact the Council at [environment@rbkc.gov.uk](mailto:environment@rbkc.gov.uk)