



Livv Housing Group

Streamlined Energy & Carbon Report for 2019/20



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1.0 Executive Summary

As part of the Streamlined Energy and Carbon Reporting (SECR) framework it has been identified that the total energy use for Livv Housing Group totals **6,637,344 kWh** for the period 1st April 2019 to 31st March 2020. The total energy use includes for building and transport energy.

The total carbon emissions for Livv Housing Group during the reporting period is **1,560 tCO₂e**.

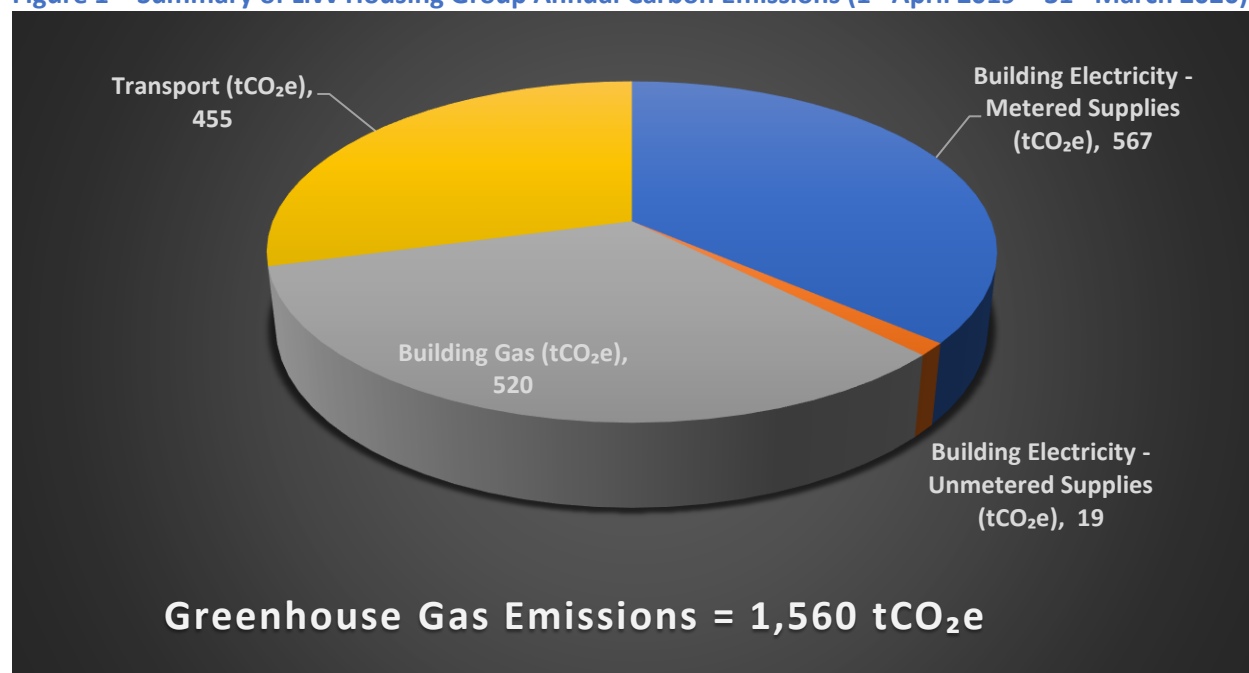
Table 1 provides a summary of the energy usage and the associated carbon emissions. The methodology used to calculate this information has been explained within Section 3 of this report.

Table 1 – Summary of Livv Housing Group Annual Energy Use and Associated Carbon Emissions (1st April 2019 – 31st March 2020).

Scope	Activity	Fuel Use	Annual Energy (kWh)	Annual Carbon Emissions (tCO ₂ e)
1	Building Energy - Gas (kWh)	2,826,467	2,826,467	520
2	Building Energy - Electricity Metered Supplies(kWh)	2,043,293	2,043,293	567
3	Building Energy - Electricity Unmetered Supplies	67,365	67,365	19
1	Transport Company Fleet - Litres	156,533	1,659,809	406
3	Transport Grey Fleet - Expensed Mileage	169,792	40,411	49
Total			6,637,344	1,560

The profile shown in Figure 1 provides a summary of the make-up of Livv's annual carbon emissions for the 2019/20 financial year reporting period. The profile below shows that the main contributor of the Groups carbon emissions is building electricity consumption (including UMS supplies) and accounts for 38% of the overall emissions.

Figure 1 – Summary of Livv Housing Group Annual Carbon Emissions (1st April 2019 – 31st March 2020).



2.0 Organisation Boundary

Livv Housing Group are a multi-faceted community services organisation offering services in housing, construction, charity and facility management. The diverse operations stem from a strong presence in the social housing sector with around 25,000 tenants and 14,000 registered properties.

Livv Housing Group comprises of Livv Homes, Livv Maintenance and Livv Investment.

3.0 Energy and Carbon Emissions Data

3.1 Reporting Period

For the purpose of this report the reporting period for the baseline year has been chosen as 1st April 2019 – 31st March 2020. This is inline with the Groups financial reporting period.

3.2 Methodology

Livv Housing Group have chosen to report on the following key items within their boundary:

- **Scope 1 Emissions**
 - Gas consumption
 - Transport – Fleet
- **Scope 2 Emissions**
 - Electricity consumption
- **Scope 3 Emissions**
 - Transport – Grey Fleet

Livv's building energy data has been calculated using invoices provided by the energy supplier on a monthly basis.

Fuel usage associated with the fleet vehicles has been populated from the use of fuel reports provided by Livv's F&AM System Implementation & Transport Manager.

Grey fleet data has been sourced from milegae claims that have been submitted by employees during the reporting period. This information has also been provided by the F&AM System Implementation & Transport Manager for the agreed reporting period.

3.3 Annual Energy and Carbon Emissions

As reported within the Executive Summary, the total energy for Livv Housing Group in 2019/20 reporting period totalled 6,637,344 kWh (building energy including UMS and transport energy).

The associated carbon emissions for this reporting period totals 1,560 tCO₂e. This is the equivalent to the emissions produced by 312 homes.

Overall Livv Housing Group have achieved a year on year carbon reduction of **326 tCO₂e**.

3.4 Year on Year Energy and Carbon Comparisons

3.4.1 Building Energy Comparisons (Metered)

The following information has been provided at the request of Livv Housing Group, to provide a comparison between the building energy in the 2018/19 financial year period and the 2019/20 financial year period.

Figure 2 – Livv Housing Group Year on Year Building Energy Comparison

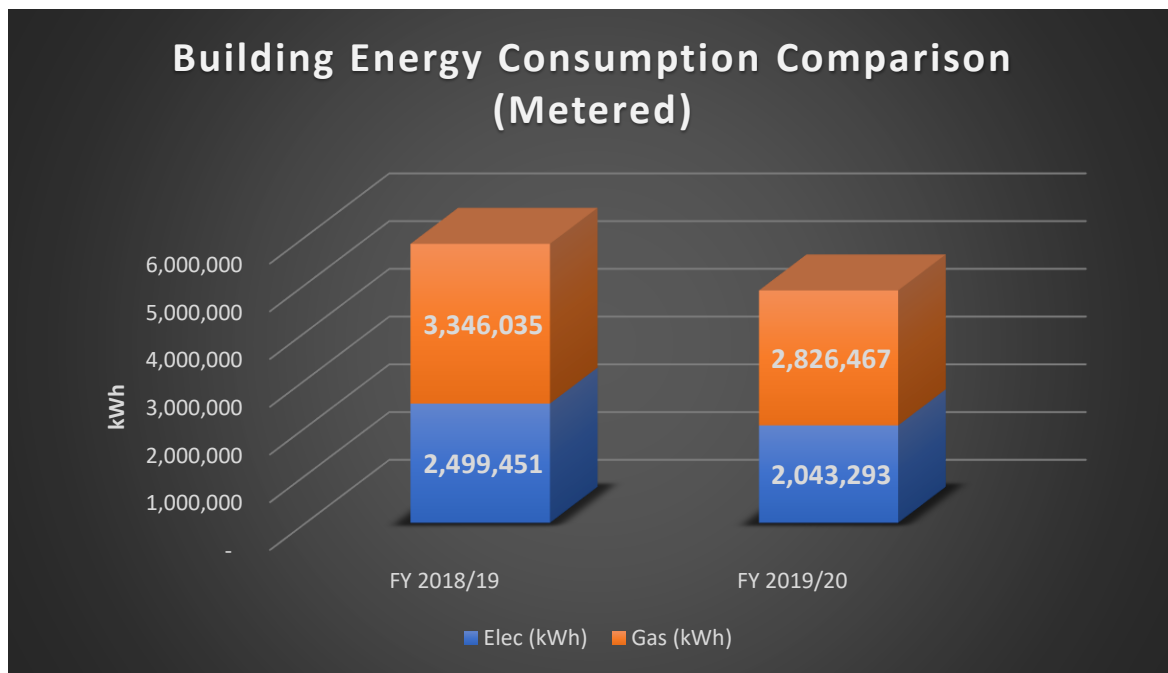


Figure 2 above provides a comparison between the total building energy within 2018/19 and 2019/20 financial year reporting periods. This shows that energy usage has reduced by 17% during the 2019/20 reporting period. It is important to note that the above profiles and comparisons **do not include for the UMS supply**. This is a constant and equates to 67,365 kWh per annum.

There has been an annual reduction in electricity of **456,158 kWh** which equates to an **18% reduction**. There has also been an annual reduction of **519,568 kWh** in gas consumption and equates to a **16% reduction**.

It is believed that these savings could be higher if the accounts were not being billed to estimated reads. It is imperative that meter reads are collected on a regular basis (preferably quarterly). Where supplies are currently being over estimated this data has been reviewed and amended as necessary to reflect the correct operation.

An example of this is with the gas usage at Gaywood Green, these supplies are currently being over estimated, meter reads are currently in the process of being collected where possible now that the lockdown has been lifted slightly.

In regards to the gas usage at Gaywood Green, until the accounts can be reconciled with a meter read, the gas consumption for January – March 2020 has been aligned to reflect the occupancy of the building.

Figure 3 – Livv Housing Group Year on Year Building Energy Carbon Emissions Comparison

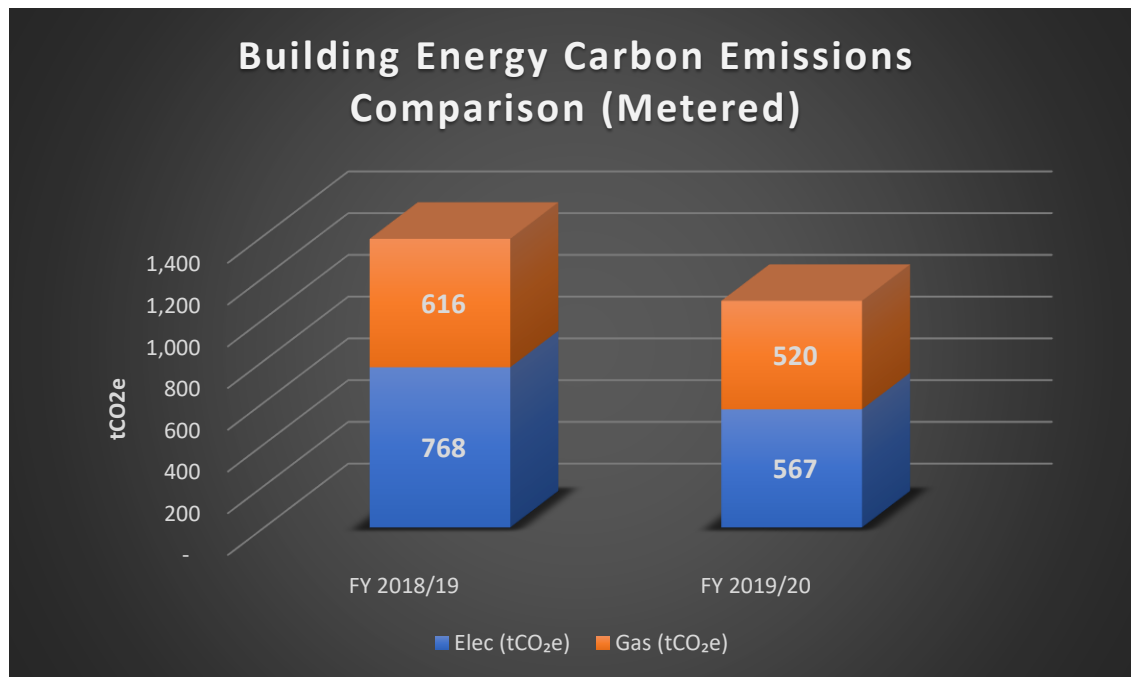


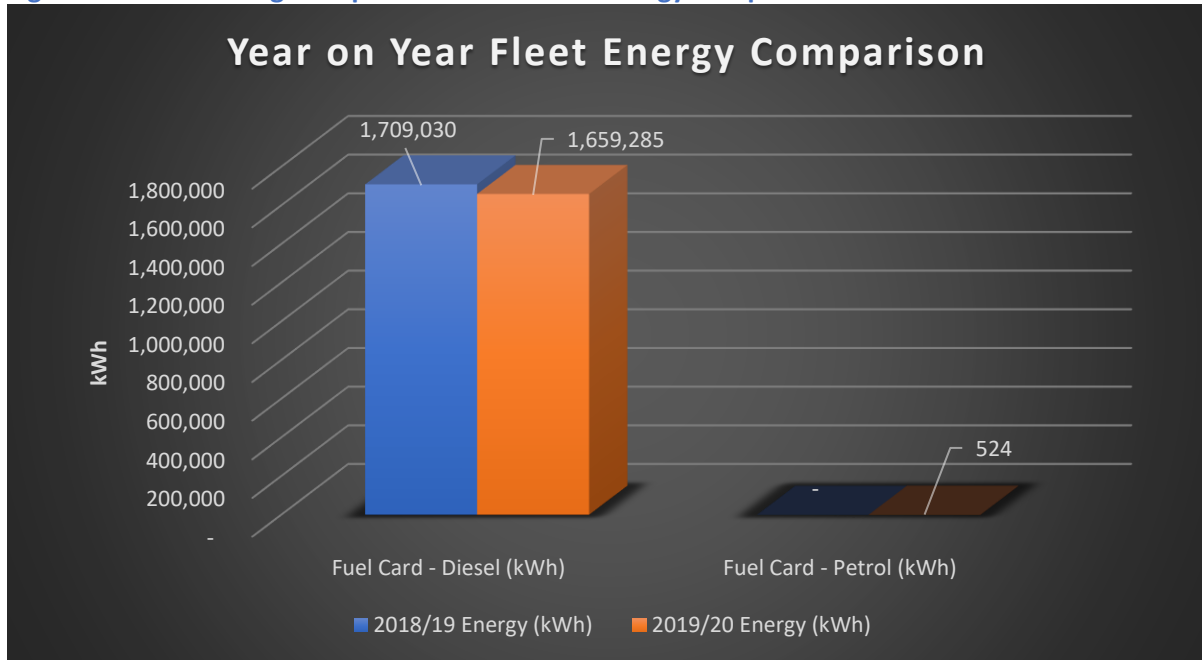
Figure 3 above provides a year on year comparison of the carbon emissions associated with the building energy usage. This shows the building energy carbon emissions have reduced by 21% in 2019/20.

There has been an annual reduction in electricity carbon emissions of **201 tCO₂e** which equals a **26%** reduction. There has also been a **96 tCO₂e** reduction in gas carbon emissions, which equates to a **7%** reduction. The above emissions do not include for UMS which equates to 19 tCO₂e per year.

3.4.2 Transport Energy Comparisons

The following has been included within the report to provide a comparison of the year on year transport data, and associated energy and carbon emissions.

Figure 4 – Livv Housing Group Year on Year Fleet Energy Comparison



The profile shown above provides a comparison of the energy associated with the Fleet fuel usage for the 2018/19 and 2019/20 reporting period. The energy use associated with the fleet fuel usage totalled 1,709,030 kWh in 2018/19 and 1,659,809 kWh on 2019/20. There has been a year reduction of 3%.

Figure 5 – Livv Housing Group Year on Year Grey Fleet Energy Comparison

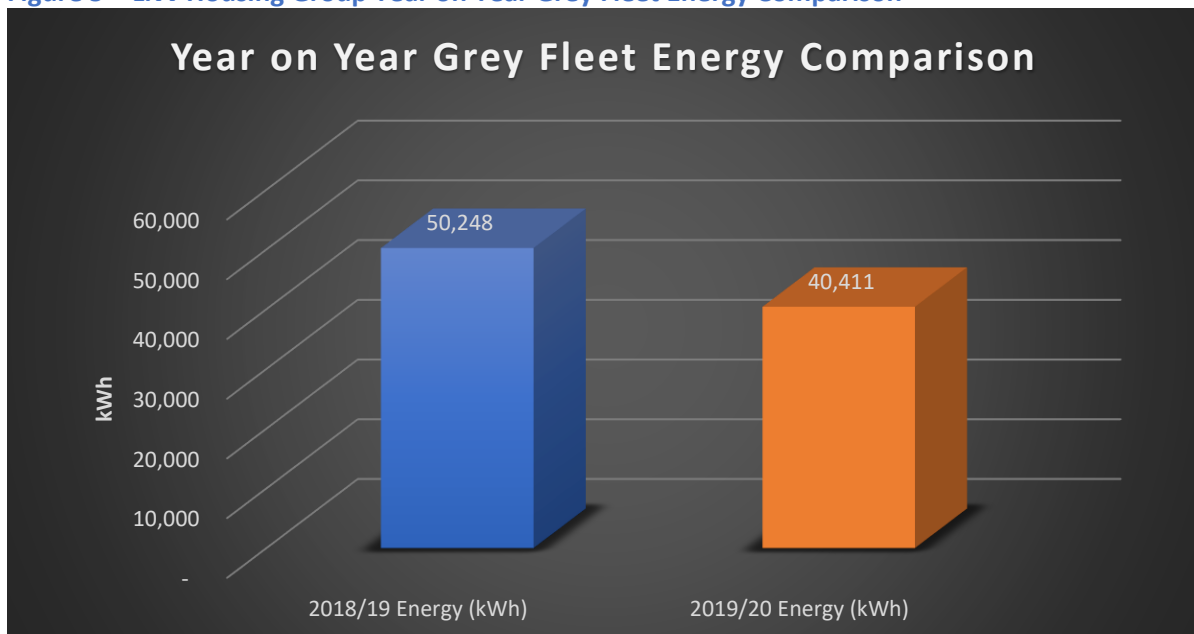
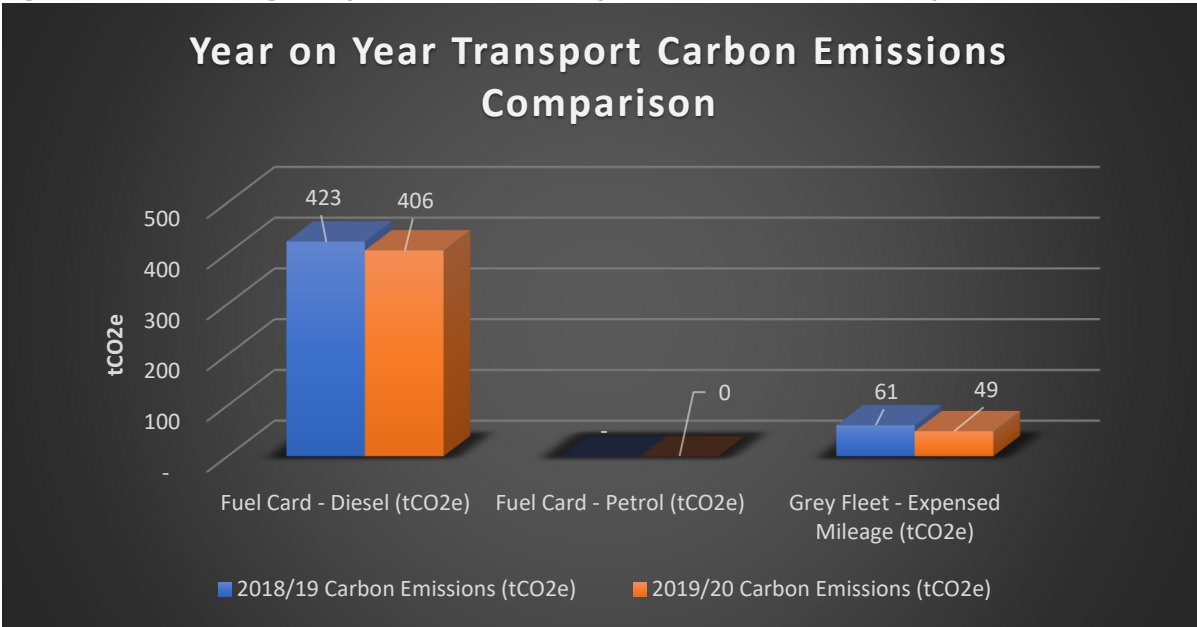


Figure 5 above provides a year on year comparison on the energy usage associated with Grey Fleet mileage. There has been a 20% reduction in grey fleet energy usage between the two reporting periods. The profile shown in Figure 6 provides a comparison of the carbon emissions associated with the Groups transport usage.

Figure 6 – Livv Housing Group Year on Year Transport Carbon Emissions Comparison



The profile above indicates that there has been a year on year reduction for both diesel usage and grey fleet mileage. The total transport carbon emissions for 2018/19 was 484 tCO₂e, and the total transport emissions for 2019/20 was 455 tCO₂e. There has been an year on year reduction of 6%.

4.0 Intensity Metrics

The intensity metrics that are being used for this current report are energy (kwh) per £’000,000 turnover and carbon emissions (tCO₂e) per £’000,000 turnover. The intensity metrics for the 2019/20 baseline reporting period have been shown within Figure 7.

Figure 7 – Livv Housing Group Intensity Metrics



The profiles above show the following intensity metrics for the 2019/20 reporting period:

- Overall energy usage is 103,217 kWh per £'000,000 turnover
- Carbon emissions equate to 24 tCO₂e per £'000,000 turnover.

The above metrics include for all Building energy use (metered and UMS) together with business travel.

5.0 Energy Efficiency Measures

Despite the impact experienced by the COVID-19 pandemic, Livv Housing Group have introduced many positive energy and carbon reduction measures during 2019/20. These include the following successful initiatives :

- An Environment and Sustainability Management Group has been introduced. The Sustainability Group is now chaired by a member of the Executive Management Team and provides a highly effective forum for driving the sustainability strategy improvement throughout the Group.
- Energy reporting data has been greatly enhanced and now includes performance reports on energy use, business travel and renewable energy.
- Livv Housing have taken further strategic strides with a Fuel Poverty Strategy. The progressive asset replacement programme has resulted in the Group property portfolio having better measured energy performance ratings than the national Fuel Poverty Strategy energy performance mile stones.

- Several low energy LED lighting replacement projects have been implemented. These include completed projects within the Lakeview Head Office and communal areas to Knowsley Heights.
- Work has been undertaken to reduce the energy usage associated with the electric storage heaters within one of the Groups high rise blocks.
- The Group have implemented a number of measures aimed at reducing fuel usage across the commercial fleet. These measures include updating the fleet to lower emission vehicles, focusing on driver training and more efficient vehicle use.
- Several energy and carbon reduction investment projects have been authorised for implementation during 2020. They include the strategic replacement of communal lighting with low energy LED to tenant communal areas throughout the Group portfolio. The energy and carbon reduction savings will be reported within the sustainability management reports and the next annual SECR report.