

Surrey County Council Carbon Reduction Plan 2022/2023

Publication date: November 2023



Commitment to achieving Net Zero

Surrey County Council is committed to achieving Net Zero for scope 1 and 2 emissions before 2030 at the latest.

Baseline Emissions Footprint

Baseline emissions are the reference point against which emissions reduction can be measured.

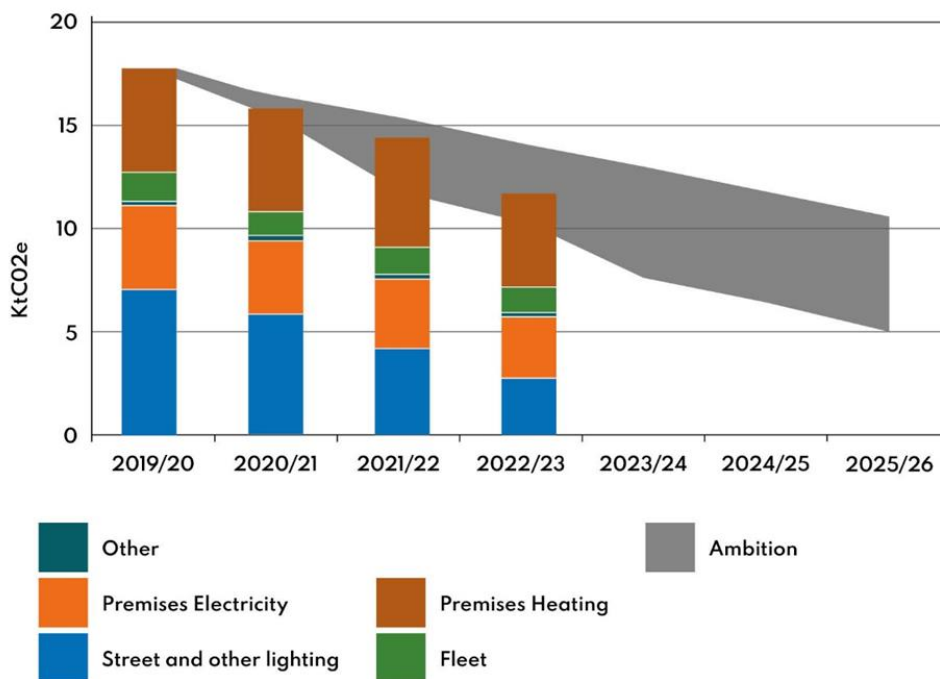
Baseline Year: 2019/2020	
Re-baselined in 2023 due to a change in Council assets.	
<p>In the base year for the Council's NetZero plan, emissions were estimated to be 18,833 tCO₂e. A re-baselining process has been carried out as part of the 2022/2023 inventory preparation due to the sale of assets (most notably the sale of County Hall) and a recategorization of some scope 1,2 and 3, buildings due to more accurate information.</p> <p>Scope 3 reporting is not complete but includes scope 3 buildings, business travel, water and transmission and distribution. High level procurement estimate based on spend which is not included in the figures is estimated to be 404,000 tCO₂e.</p>	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	6,581
Scope 2	11,133
Scope 3 (Included Sources)	29,703
Total Emissions	47,417

Current Emissions Reporting

Reporting Year: 2022/2023	
A 34% emission reduction in scope 1 and 2 emissions has been achieved compared to the baseline.	
Scope 3 reporting is not complete but includes scope 3 buildings, business travel, water and transmission and distribution.	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	5,932
Scope 2	5,780
Scope 3 (Included Sources)	9,355
Total Emissions	21,067

Emissions reduction targets

Surrey 2030 Net Zero pathway



To continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets by 2030:

- 100% of 89,000 streetlights to be LEDs
- 100% of 191 scope 1 and 2 buildings with low carbon measures.
- Around 18MW additional solar PV.
- Over 90% of 854 scope 1&2 vehicles to be ULEV (ultra-low emission vehicles)
- Carbon targets and carbon management plans in place for all scope 3 buildings by 2030.
- All procurements over £5M to require Carbon Reduction Plans in line with Procurement Policy Note 06/21 which include net zero targets for 2050 at the latest.
- Business travel of staff reduced by 40% by 2025.

We project that scope 1 and 2 carbon emissions will decrease over the next five years and emissions will be between 5,838 -11,299 tCO₂e by 2025/6. This is a reduction of 40-69%. No estimate for scope 3 emissions reduction has been calculated.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019/2020 baseline. The carbon emission reduction achieved by these schemes equate to 6,002 tCO₂e, a 34% reduction.

- 100% renewable electricity tariff
- 93% of 89,000 streetlights converted to LEDs
- 4% of 191 scope 1 and 2 buildings have low carbon measures installed
- Building management systems in 4 buildings
- 0.3MW additional solar PV has been installed
- 2% of 854 scope 1&2 vehicles are ULEV (ultra-low emission vehicles)
- 5% scope 1 and 2 sites have suitable EV charging
- (TBC) % of scope 1 and 2 sites have suitable active travel facilities
- 0.8% of 126 scope 3 buildings treated (1 school)
- Sustainable procurement policy in place
- 33% of 10,127 staff with carbon awareness training with 1.3% carbon literate

By 2023/2024 we hope to implement the following further measures:

- 100% of 89,000 streetlights converted to LEDs
- 14% scope of 191 1&2 buildings treated with low carbon measures
- 97.94kWp additional solar PV installed
- % of (TBC) of 495 scope 1&2 vehicles ULEV
- 18% scope 1 and 2 sites with suitable EV charging
- (TBC) scope 1 and 2 sites with suitable active travel facilities
- Sustainable staff travel policy in place
- 4% of 126 scope 3 buildings treated (5 schools)
- 40% of 10,127 staff with carbon awareness training with 1.6% carbon literate

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed by the Director of Environment:



Carolyn McKenzie, Director of Environment

Date: 23/01/2024

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>