



ADUR & WORTHING  
COUNCILS

# Carbon Neutral Plan

*Working towards the 2030 target*

December 2019

## Quality information

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## Executive Summary

### Background and Context

On July 9<sup>th</sup> 2019, the Joint Strategic Committee of Adur & Worthing Councils declared a Climate Emergency, and committed to working towards becoming carbon neutral by 2030.

As part of this commitment, the Councils resolved to develop a science- and evidence-based Carbon Neutral Plan that would identify the key actions and intervention measures required to set the Councils on the path to net zero carbon emissions. This work is intended to provide the Councils with an understanding of their own carbon emissions baseline and identify the steps that need to be taken to achieve the decarbonisation target by 2030.

Recommendations have been informed by carbon projections modelling, detailed energy audits, and stakeholder engagement workshops, to ensure that the Plan reflects the unique circumstances and priorities of Adur & Worthing Councils as they look towards the future.

This Plan is aligned to the Councils' strategic vision *Platforms for our Places* under *Platform 3: Tackling Climate Change and Supporting our Natural Environment*; and *SustainableAW*, the Councils' shared framework for sustainability. It also contributes to delivery against the Councils' UK100 Cities pledge to achieve 100% clean energy by 2050 across Adur & Worthing.

### Establishing a baseline

In line with the Department of Business, Energy and Industrial Strategy (BEIS) '*Emissions Reduction Pledge 2020*' guidance,<sup>1</sup> for the purpose of greenhouse gas reporting, emissions are divided into three categories, referred to as Scope 1, 2 and 3. The table below provides a definition of these terms and summarises the data used in establishing Adur & Worthing Councils' baseline CO<sub>2</sub>e emissions.

Category	Description	Data used in this analysis
<b>Scope 1</b>	Direct emissions from sources owned or controlled by the reporting organisation	Metered gas data (for buildings where the Councils pay the gas bills)  Mileage for Council-owned vehicle fleet and pool cars, along with vehicle make/model and age
<b>Scope 2</b>	Indirect emissions from the generation of energy purchased by the reporting organisation	Metered electricity data (for buildings where the Councils pay the electricity bills)  <i>Note that, where data was unavailable, industry standard benchmarks were used to estimate fuel consumption</i>
<b>Scope 3</b>	Indirect emissions that result from other activities that occur in the value chain of the reporting organisation, either upstream or downstream.	Metered water use data  Records of business travel by the Councils' employees (cost data provided; mileage estimated from £/mi)

Based on this information – gas, electricity, and vehicle use in the year from April 2018-March 2019 – we estimate that the current annual Scope 1 and 2 emissions are approximately 2,908 tCO<sub>2</sub>e per annum (p.a.). Scope 3 emissions from water consumption and business travel in non-Council owned vehicles (i.e. car mileage logged via essential or casual car user payments) each amount to approximately 33 tCO<sub>2</sub>e p.a., or 66 tCO<sub>2</sub>e p.a. in total. Scope 3 emissions from the Worthing Leisure Centre and Splashpoint (based on 2014/15 fuel consumption) accounts for a further 1,015 tCO<sub>2</sub>e p.a.

<sup>1</sup> BEIS, '*Emissions Reduction Pledge 2020: Guidance for emissions reporting in the public and higher education sectors in England 2018-2020*' (April 2018). Available at: [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/745003/Guidance\\_note\\_for\\_voluntary\\_reporting-final.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/745003/Guidance_note_for_voluntary_reporting-final.pdf)

Note that there are additional Scope 3 emissions, such as those arising from business travel by public transport, car mileage not logged via essential or casual car user payments, emissions from waste or emissions from procurement that have not been quantified in this report due to insufficient data. In the future, Adur & Worthing Councils could consider a variety of additional data collection methods that could provide further visibility of these emissions.

Figures 1 and 2 below illustrate the relative contribution from different fuels, building use categories, external use categories (i.e. external lighting and CCTV) and vehicle types. (Note: emissions from the Leisure Centre and Splashpoint were estimated using 2014-15 data, which was the most complete information available.)





























































































































