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<b>Subject:</b>	<b>CLIMATE CHANGE UPDATE</b>
<b>Meeting and Date:</b>	<b>OVERVIEW AND SCRUTINY COMMITTEE – 25 APRIL 2022</b>
<b>Report of:</b>	<b>HEAD OF ASSETS AND BUILDING CONTROL</b>
<b>Classification:</b>	<b>UNRESTRICTED</b>

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<b>Recommendation:</b>	To note the update.
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## 1. Summary

- 1.1 There are two strands to DDC's net zero ambition.
- 1.2 The first is the 2030 target for the Council's own estate and functions to become net zero. The Council has also committed to support the district to become carbon neutral by 2050.

## 2. 2030

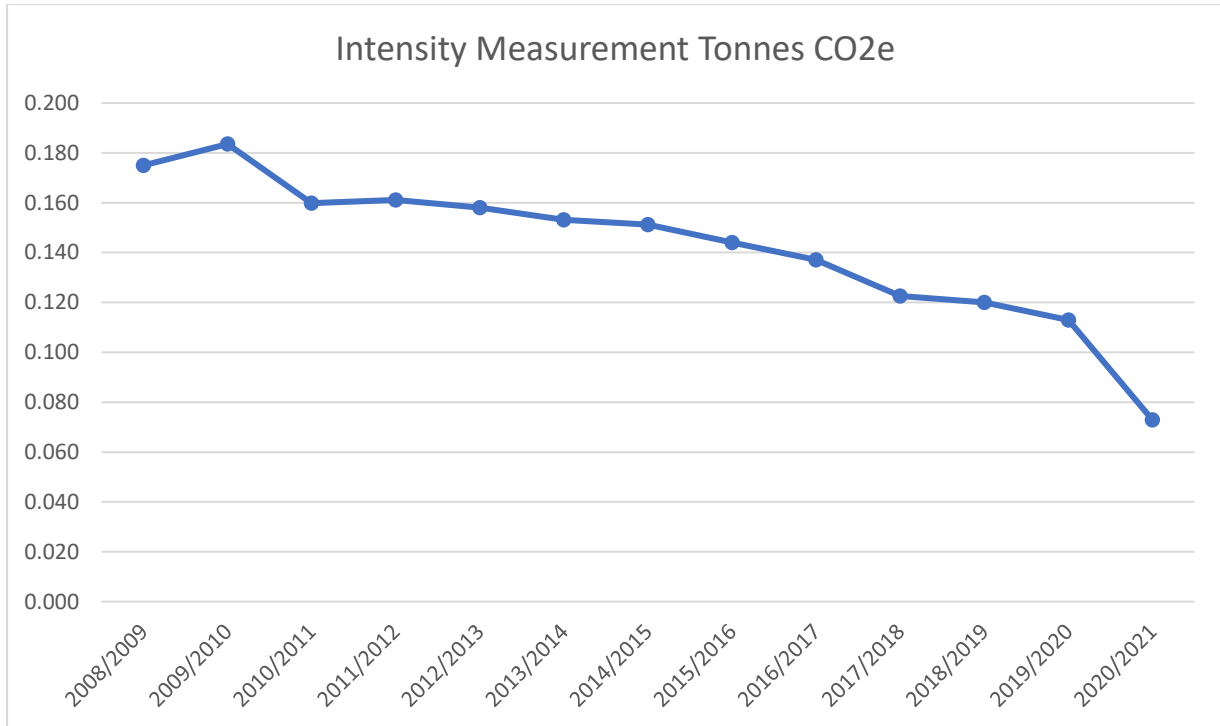
### Background

- 2.1 In 2008/09 Government created a National Indicator NI185 that required Councils to collate information on the emissions resulting from their estates and functions. DDC developed a spreadsheet to collate this information and reported back to Government. This requirement was abolished alongside other National Indicators. When the requirement to report on National Indicators was removed DDC's then Climate Change Officer continued to carry out and report on the Council's emissions and publish on the website (<https://www.dover.gov.uk/Environment/Climate-Change/Greenhouse-gas-emissions.aspx>) however many Councils discontinued reporting, Therefore, DDC has figures dating back to 2008/09 which are being used as the baseline which has stood DDC in good stead compared to other Councils who discontinued reporting.
- 2.2 The Department of Energy & Climate Change in conjunction with DEFRA produced guidance on how to measure and report greenhouse gas emissions and the format of the report was amended to reflect these requirements. The format is based on the GHG Protocol, the internationally recognised standard for the corporate accounting and report of GHG emissions, meaning that it aligns with many widely used national and international voluntary measuring and reporting schemes such as the International Organisation for Standardisation (ISO) 14064-18 and the Carbon Trust Standard. The guidance also complements both PAS 20509 and ISO 1404010 which can be used to measure the carbon footprint of products.
- 2.3 DDC reported emissions are based on stationary assets (both owned and managed on the Council's behalf) and transport emissions – relating to Council functions and statutory duties (social housing is not included as we have no control over resident usage). These are split into Scope 1, 2 and 3 for both streams:-
  - Gas consumption
  - Owned Transport
  - Electricity
  - Business travel
  - Elec Transmission & Distribution
  - Elec managed assets
  - Solar pv generation

2.4 DDC's Greenhouse Gas emissions report does not include social housing or water usage. Details of onsite renewable energy generation, and electricity purchased through certificates of Renewable Energy Guarantee of Origin (REGO) are highlighted as a deduction from the total emissions figure (the Council's energy contract moved to purchasing electricity through REGO in September 2021)

GHG EMISSIONS DATA FOR PERIOD 1 <sup>ST</sup> APRIL 2020 TO 31 <sup>ST</sup> MARCH 2021													
	Global Tonnes of CO2e												
	2020/ 2021	2019/ 2020	2018/ 2019	2017/ 2018	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014	2012/ 2013	2011/ 2012	2010/ 2011	2009/ 2010	2008/ 2009
Scope 1	811.26	1260.51	1171.30	1210.00	1190.96	1200.50	1177.00	1206.30	1206.81	1221.01	1212.43	1169.31	1130.47
Scope 2	347.47	434.16	502.67	641.00	783.13	872.84	976.00	944.67	1630.04	1796.70	1970.60	2036.55	2039.06
Scope 3	786.97	1014.89	991.60	1193.81	1430.95	1504.33	1603.00	1655.14	1087.62	986.18	839.44	863.60	710.94
Total Gross Emissions	1945.70	2709.56	2665.57	3044.81	3405.04	3577.67	3756.00	3806.11	3924.47	4003.89	4022.47	4069.41	3880.47
Carbon Offsets REGO purchased electricity Solar PV generation	202.66 3.03	14.67	-	-	-	-	-	-	-	2.23	2.80	2.00	2.82
<b>Total annual net emissions</b>	<b>1740.01</b>	<b>2694.89</b>	<b>2655.57</b>	<b>3044.81</b>	<b>3405.04</b>	<b>3577.67</b>	<b>3756.00</b>	<b>3806.11</b>	<b>3924.47</b>	<b>4001.66</b>	<b>4019.67</b>	<b>4067.41</b>	<b>3877.65</b>

2.5 Data shows that there has been a 58% decrease (between 2020/21 and 2008/09) in the emissions (based on intensity measurement – CO2ekg divided by the square meterage of the Council’s estate that is included in the report).



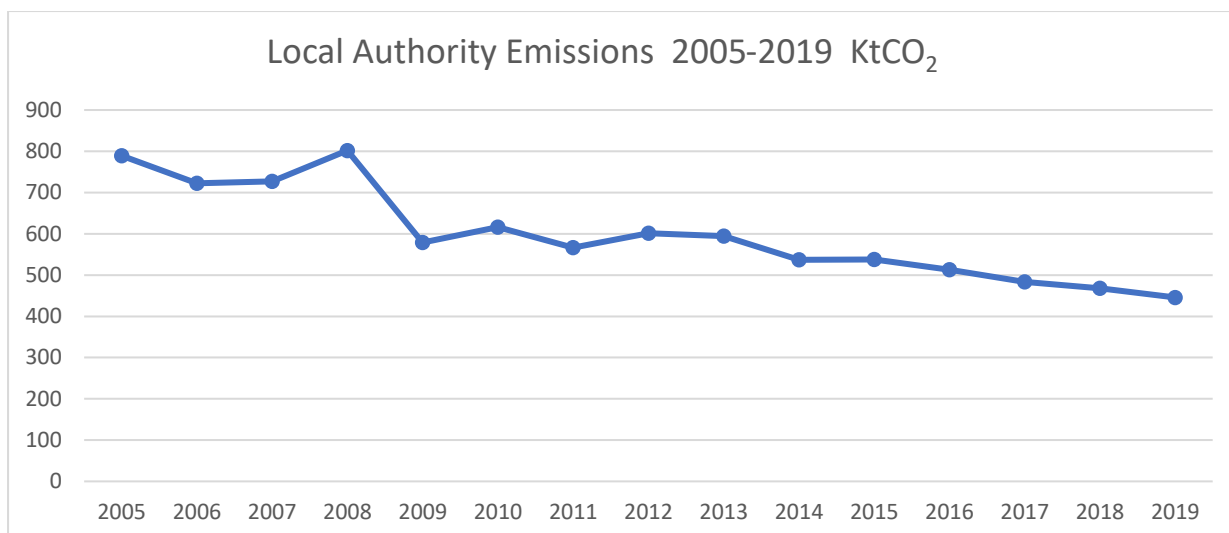
2.6 In order to keep a closer eye on the Council’s emissions quarterly reporting is now being developed so that information can be including in Performance Reports.

### 3. **2050**

#### Background

3.1 2050 target BEIS provide Local Authority CO2 emissions estimates for Local Authorities –latest statistics are 2019, annual figures in tonnes of CO2. These figures date back to 2005 and are being used by other Authorities (Stroud DC – a beacon council) as the baseline for measuring progress towards carbon neutrality in the absence of any other data.

3.2 In 2005 the total emissions for the district were 789,4264 ktCO2, in 2019 the figure was 445.8183 ktCO2 a decrease of 43.5%.



- 3.3 Actions taken Council wide are currently reported through annual feedback to KCC for the Kent & Medway Energy and Low Emissions Report (most recent report currently being drafted by KCC) <https://www.kent.gov.uk/about-the-council/strategies-and-policies/environment-waste-and-planning-policies/environmental-policies/kent-and-medway-energy-and-low-emissions-strategy>
- 3.4 DDC's website, <https://www.dover.gov.uk/Environment/Climate-Change/What-is-the-council-doing-about-climate-change.aspx> is updated with recent action taken on reducing emissions both within the Council and wider district and a 'Climate Change' video on the Council's homepage.