

THIS ITEM IS FOR INFORMATION ONLY

(Please note that "Information Only" reports do not require Integrated Impact Assessments, Legal or Finance Comments as no decision is being taken)

Title of meeting:	Cabinet & Full Council
Subject:	Carbon Budget Methodology
Date of meeting:	8 March 2022 & 15 March 2022
Report by:	Kristina Downey, Principal Strategy Adviser - Carbon Management
Wards affected:	n/a

1. Requested by

Cabinet Member for Climate Change and the Green Recovery

2. Purpose

2.1 To provide information to the Cabinet and Council on the approach that is being taken for the carbon management process, and the method being used to develop future carbon targets to meet the 2030 net zero targets for the Council and city.

3. Recommendation

3.1 It is recommended that Cabinet note the contents of this Report and that it proceeds to Full Council to further note.

4. Information Requested

4.1 Significant year-on-year reductions in carbon emissions will be required to meet the 2030 net zero targets.

4.2 The carbon management process that is being used to help achieve this is described below:

- 1) Calculate the carbon baseline. This will be a 'rolling-baseline' based on the most recent annual carbon inventory.
- 2) Develop a forward projection of 'business-as-usual' (BaU) carbon emissions to 2030 based on national level changes (e.g., decarbonisation of the Grid, population changes etc.). The BaU represents the likely changes to emissions if we did not take any further actions to reduce carbon.
- 3) Testing against the BaU projection, develop an alternate projection of carbon emissions to 2030 based on our proposed carbon action plans.

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- 4) Update and publish the carbon action plans for the Council and the city on an annual basis, including a revised baseline, changes to the BaU projection and revised alternative projection to 2030.
- 4.3 The evaluation and prioritisation of carbon reduction initiatives will be formally documented in a consistent manner against factors such as available funding, financial cost per volume of carbon saved, links to other Council strategies and plans, support, and important local co-benefits to Portsmouth including the green economy. This evaluation process will aid accountability and help to identify priority initiatives that help to address inequalities in Portsmouth.
- 4.4 This approach to evaluating and prioritising carbon reduction initiatives is inline with the national Net Zero Strategy that states local authority actions should be on a 'placed-based approach', and in-line with the Council's stated aims and priorities.
- 4.5 This process builds upon earlier initiatives to reduce carbon emission associated with Council operations and within the wider city. Examples include:
- Delivery of a number of domestic energy schemes to increase energy efficiency through the Local Energy Advice Partnership, Switched On Portsmouth, Warmer Homes, and the Emergency Boiler Replacement scheme. It is estimated that Switched On Portsmouth has reduced carbon emissions by an estimated 426 tonnes CO₂
 - Replacement of lighting in Council buildings and street lighting with energy efficient LED. LED street lighting has reduced energy demand by approximately 40%
 - Progressive replacement of existing heating systems on buildings we own with energy efficient and lower carbon systems
 - Installation of 36 electric vehicle charging points
 - Electrification of operational Council fleet vehicles
 - Upgrade of 105 city busses to a Euro VI emission standard that reduces carbon emissions
 - Supporting active travel in the city with servicing and repair clinics, training, and promotion of quieter cycle routes
 - Award-winning major retrofit of Wilmcote House, providing thermal comfort to the 107 properties saving an estimated 90% of annual heating costs and up to £1,000 per property per year in energy costs. Largest residential EnerPHiT-standard (Passivhaus equivalent) project delivered with residents *in-situ*.
- 4.6 Future carbon reduction initiatives will be dynamic and will be collated and evaluated and are likely to include:
- Installation of 2,600 roof-mounted solar panels at Portsmouth International Port, reducing their annual carbon emissions by an estimated 239 tonnes CO₂
 - Plans to install a further 62 EV charging points, with more in development

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- Doubling the number of trees in the city in the next 25 years
 - Installation of innovative battery storage technology at a number of sites.
- 4.7 We will also use the independent assessment undertaken by the Tyndall Centre for Climate Change Research in conjunction with Manchester University and related Setting City Area Targets and Trajectories for Emissions Reduction (SCATTER) to support the evaluation of carbon reduction initiatives.
- 4.8 We will continue to influence city-wide carbon reductions through funding applications, collaboration with partners and major employers, lobbying, leading on innovation, acting as a local knowledge hub and as a responsible and innovative landlord. This will be important to help us achieve our ambitious targets.

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Signed by
Paddy May
Corporate Strategy Manager

Appendices: None

Background list of documents: None