

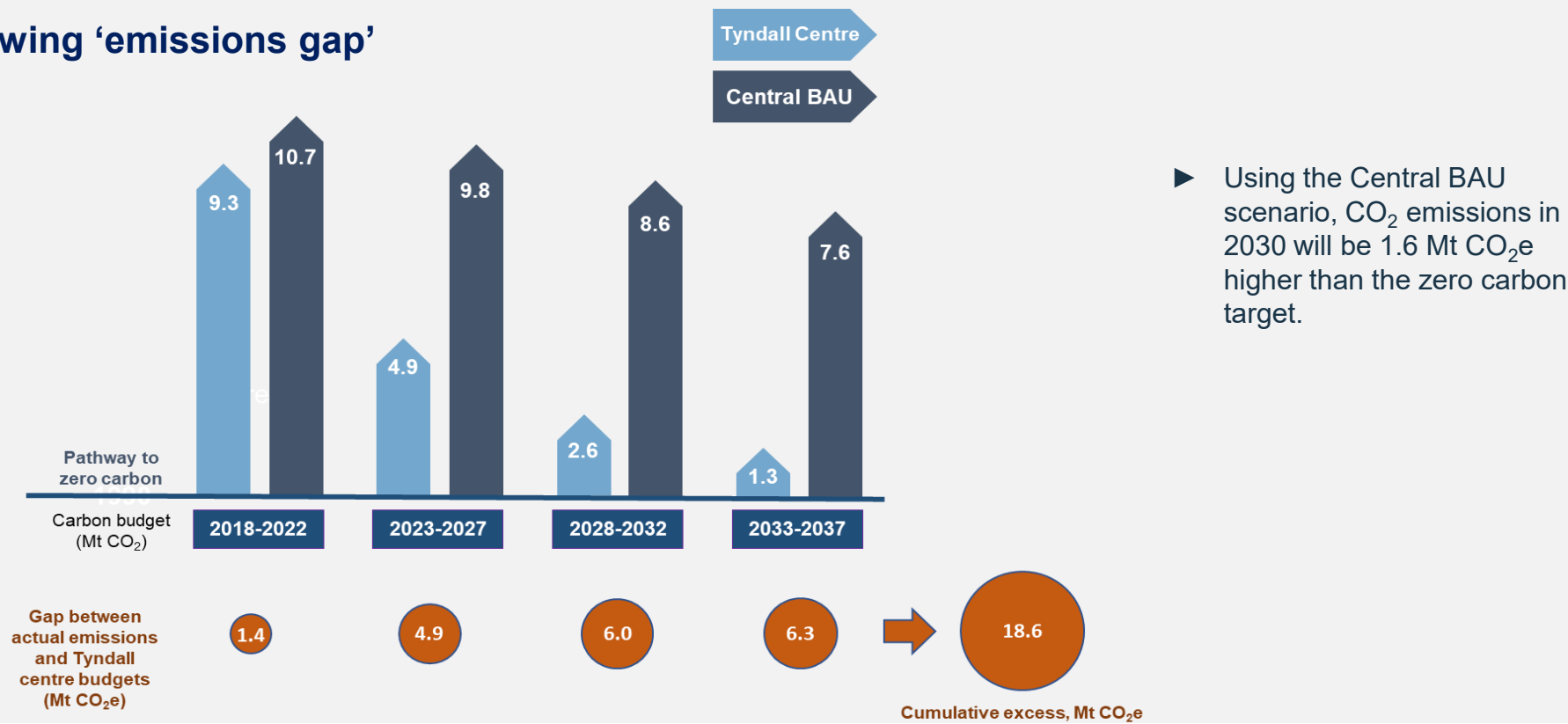
2030 Net Zero Carbon Sheffield

Business As Usual (BAU) projection

SUMMARY

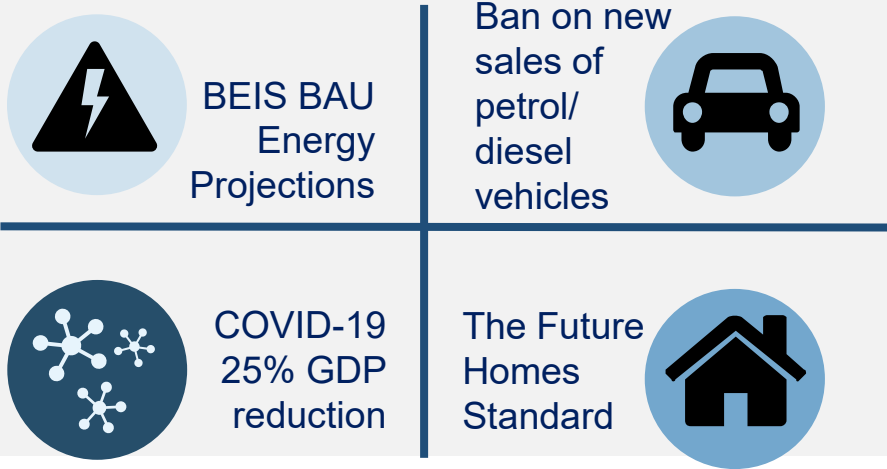
- Existing and proposed local and government policy and practice as of July 2020 will not be enough to ensure Sheffield reaches net zero within a suitable time frame.

The growing 'emissions gap'

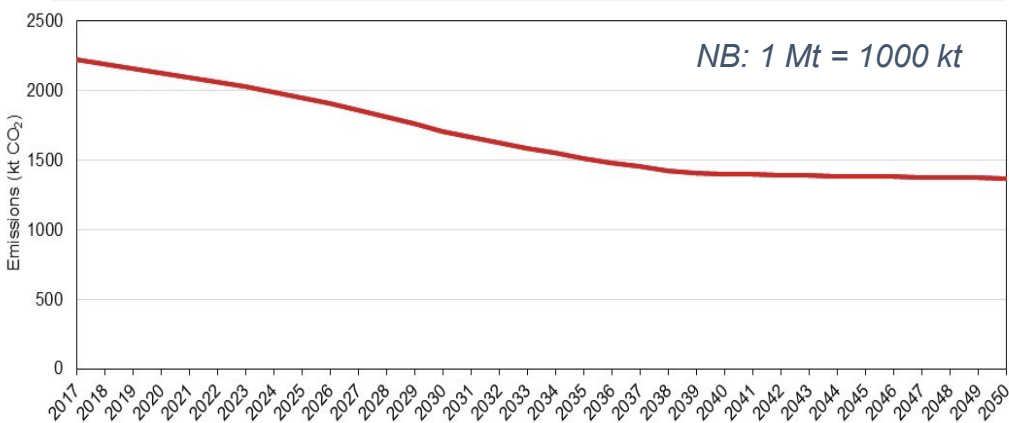


Central BAU scenario

- Chosen as the scenario that best represents current policy landscape.
- Derived by combining the following policy scenarios as of July 2020:



- 23.4% reduction in CO₂ emissions by 2030 (from 2017 levels)
- At the end of the 2033-37 period, Sheffield will cumulatively be more than 18 Mt CO₂e over the carbon budget for 2018-37.
- Net zero unattainable by 2050 under Central BAU scenario.



Scope of analysis

- Projection of WP1 baseline data forward to 2030 under a BAU scenario.
- Assess results against:
 - Target set by Sheffield City Council for the city to become zero carbon by 2030.
 - Carbon budgets for Sheffield proposed by the Tyndall Centre – Sheffield's 'appropriate share' of global efforts to reduce GHG emissions under the Paris Agreement.

BAU' in this project is defined as a scenario where current and expected national and local policies, are implemented and projected into the future.

This follows guidance from the UN Framework Convention on Climate Change (UNFCCC) on BAU emissions scenarios.

Information based on 2017 data (the latest year for which it is available).