

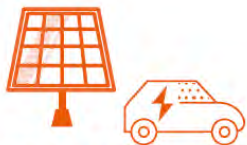
Future Energy Scenarios 2019

Negative emissions



37 million tonnes of CO₂ removed from atmosphere.

EVs enabling renewables



Smart charging vehicles could enable the storage of roughly one fifth of GB's solar generation for when this energy is needed.

Clean heat challenge

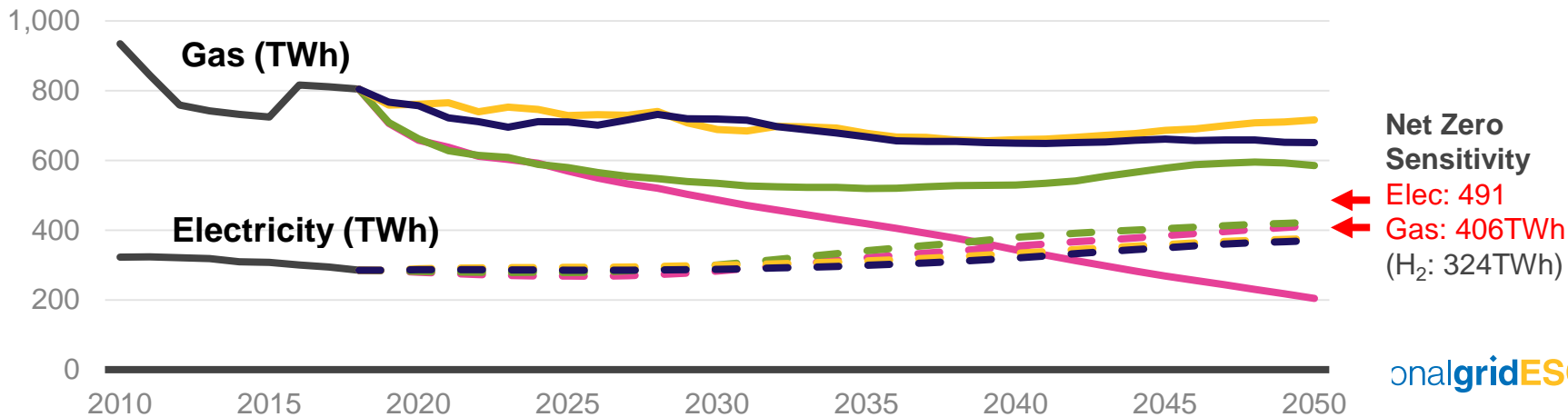


By 2050², up to 85% of homes need to be very thermally efficient (at EPC class C or higher).

Whole system digitalisation

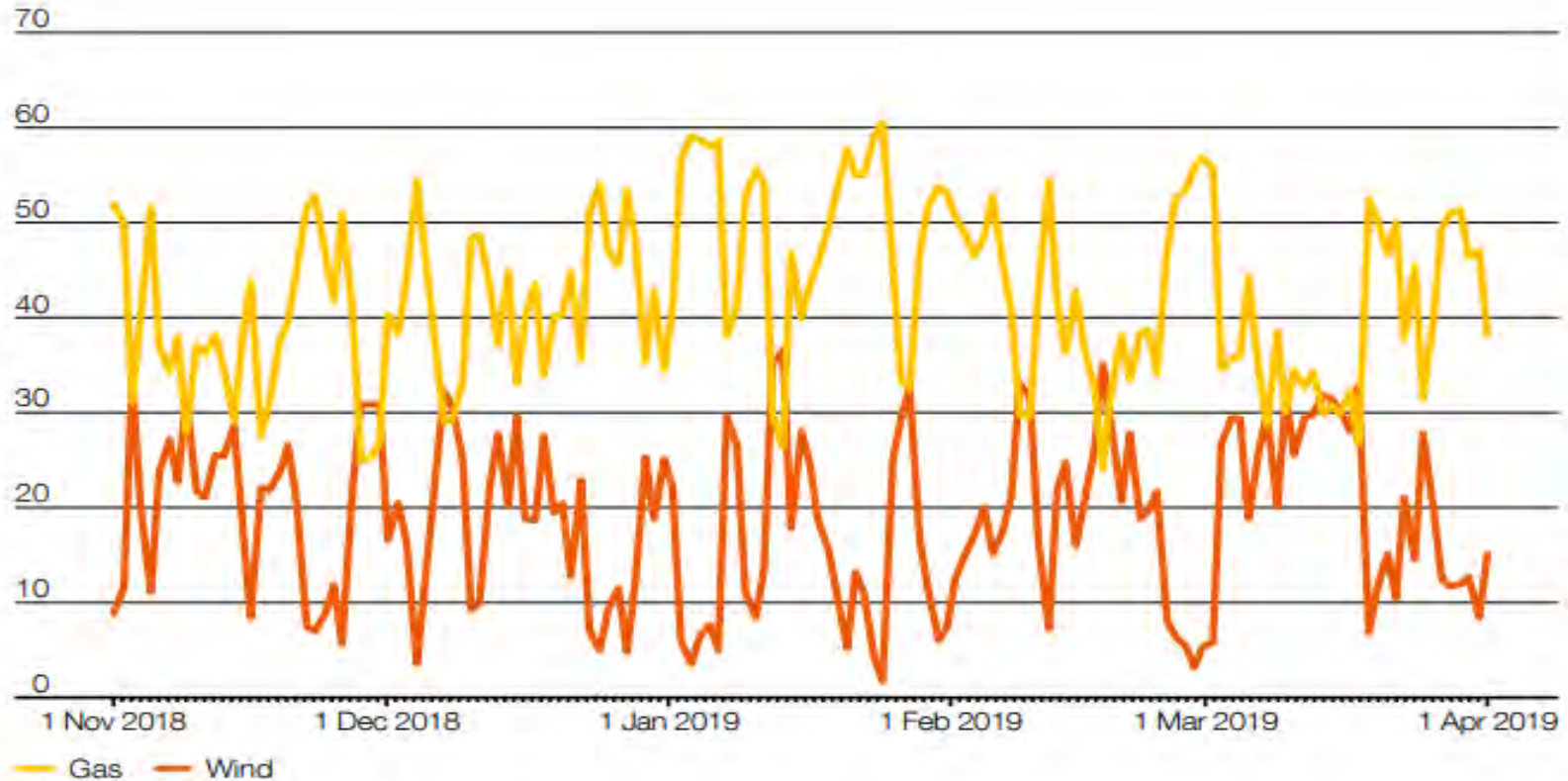


Well over 2.8 trillion data points will be collected in 2050 to understand where EVs are charging on the electricity system.



Interactions across the whole energy system

Load factors for wind generation and gas fired generation in winter 2018/19



Our goal: An electricity system that can operate carbon free by 2025

Key Enablers



Timeline

