



International Partnership
for Hydrogen and Fuel Cells
in the Economy

United Kingdom Update

36th IPHE Steering Committee Meeting
16-17 November 2021
Virtual Meeting

Announcements / New Initiatives *United Kingdom*

Hydrogen Strategy & policy package (August 2021)

Sets out roadmap to achieve 5GW low carbon production capacity ambition by 2030 on path to 6th Carbon Budget (2035) and net zero (2050), alongside consultations on preferred Hydrogen Business Model, the design of the flagship £240m Net Zero Hydrogen Fund, and a UK Low Carbon Hydrogen Standard. Consultations have closed and feedback is being reviewed.

Heat and Buildings Strategy (October 2021)

Sets out how the UK will decarbonise its homes, and commercial, industrial and public sector buildings, as part of setting a path to net zero by 2050.

Net Zero Strategy (October 2021)

Sets out how the UK will deliver on its commitment to reach net zero emissions by 2050. Outlines hydrogen's role in future net zero economy, and announces Industrial and Hydrogen Revenue Support scheme (IDHRS) to fund new hydrogen and industrial carbon capture business models, including £140 million to establish scheme and for first allocation to electrolytic production projects in 2023.

Cluster sequencing for CCUS deployment (October 2021)

Hynet and East Coast Clusters confirmed as Track 1 clusters for the mid-2020s and will be taken forward into Track-1 negotiations. The Scottish Cluster as a reserve cluster if a back-up is needed.

COP26 Launch of Glasgow Breakthroughs (November 2021)

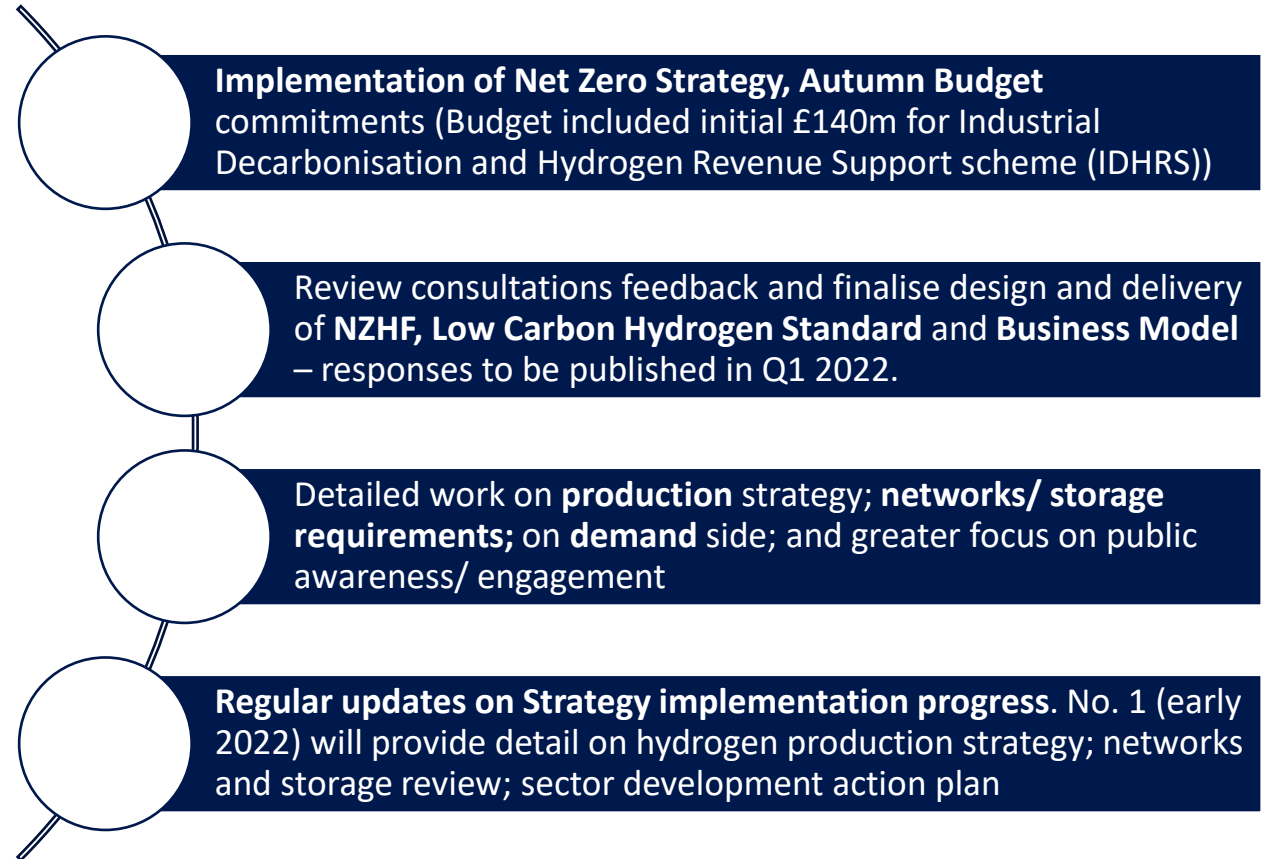
World leaders and private sector representatives endorse the 'Glasgow Breakthroughs', which includes a 'Hydrogen Breakthrough' goal to have affordable renewable and low carbon hydrogen globally available by 2030.

United Kingdom – Hydrogen Strategy

Key content and commitments

- ✓ End-to-end **Roadmap** setting out how UK will deliver **5GW low carbon hydrogen production capacity by 2030**, and wider hydrogen economy out to mid-2030s.
- ✓ **Production support:** package contained consultations on design of Net Zero Hydrogen Fund (development/ capital support) and Business Model (revenue support)
- ✓ **Low carbon hydrogen standard:** consultation on design
- ✓ **Demand:** calls for evidence on hydrogen ready boilers (domestic; industry); and on phase-out of carbon intensive H2 production in industry. Continue to build on UK's ongoing hydrogen for heat and transport trials.
- ✓ **Networks & markets:** systemic review of network and storage requirements (economic regulation, funding), energy storage demonstration competition, Regulators Forum, assess case for blending up to 20% into gas network
- ✓ **Sector development:** committed to develop Sector Action Plan, establish Early Career Professionals Forum, produce R&I Roadmap

Forward look



Thank you



International Partnership
for Hydrogen and Fuel Cells
in the Economy