



Figure 1: Successful projects through Strands 1 and 2 of the NZHF and HAR1 which have been announced as of December 2023, and the CCUS-enabled hydrogen projects in the latest stage of the Track-1 cluster sequencing process.

● HAR1	
1	Cromarty, Scottish Power and Storegga
2	Bradford Hydrogen, Hygen
3	Tees Green, EDF
4	Langage Green Hydrogen, Carlton Power
5	Barrow Green Hydrogen, Carlton Power
6	Trafford Green Hydrogen, Carlton Power
7	West Wales Hydrogen, H2 Energy and Trafigura
8	HyMarnham, JG Pears and GeoPura
9	Whitelee Green Hydrogen, Scottish Power
10	Green Hydrogen 3, HYRO
11	HyBont, Marubeni Europower

● NZHF	
12	Trecwn Green Energy Hub, Statkraft
13	Ballymena Hydrogen, Ballymena Hydrogen
14	Conrad Energy Hydrogen Lowestoft, Conrad Energy
15	Didcot Green Hydrogen Electrolyser, RWE
16	Green Hydrogen St Helens, Progressive Energy
17	Green Hydrogen Winnington and Middlewich, Progressive Energy
18	Inverness Green Hydrogen Hub, Getech
19	Mannok Green Hydrogen Valley, Mannok
20	Knockshinnoch Green Hydrogen Hub Project, Renantis
21	Hynet HPP2, Vertex
22	Kintore Hydrogen, Statera
23	H2 NorthEast, Kellas
24	Felixstowe Port Green Hydrogen, Scottish Power

● CCUS Phase 2 negotiations	
25	Hynet HPP1, Essar Energy Transition Hydrogen
26	bpH2Teesside, bp



Key	
●	Green Hydrogen Production (Electrolysis)
●	Blue Hydrogen Production (CCUS)

Project Name	Production Type	Capacity	Blending?	Project Status / Funding	Comments
1) Cromarty Hydrogen Hub	Electrolysis	Phase 1 - 35MW then up to 300MW		Operational target date 2025. HAR1 Winners	H2 produced initially to meet industrial and heavy goods vehicle (HGV) transport demand in the near term (transported in tanks) and then expand to cater to additional hydrogen demands in the future.
2) Bradford Hygen	Electrolysis	35MW		Operational target date 2026. HAR1 Winners	H2 produced initially for transport refuelling stations.
3) Tees Green Hydrogen	Electrolysis	7.5MW		Operational target date 2026. HAR1 Winners	Decarbonise industry and transport?
4) Langage Green Hydrogen	Electrolysis	10MW		Operational target date 2025. HAR1 Winners	Initially to support industrial site hydrogen demand in area, future supply for transport.
5) Barrow Green Hydrogen	Electrolysis	35MW		Operational target date 2025. HAR1 Winners	Initially to support industrial site hydrogen demand in area, future supply for transport and heating.
6) Trafford Green Hydrogen	Electrolysis	20MW		Operational target date 2024. HAR1 Winners	Initially to support industrial site hydrogen demand in area
7) West Wales Hydrogen	Electrolysis	20MW		Operational target 2026. HAR1 Winners	To support decarbonisation of industry operations.
8) HyMarnham	Electrolysis	8MW		Operational target date 2025. HAR1 Winners	
9) Whitelee Green Hydrogen	Electrolysis	20MW		Operational target date 2026. HAR1 Winners	Initially used to fuel public transport and heavy freight vehicles

10) Green Hydrogen 3-HYRO	Electrolysis	7.5MW		Operational target date 2025. HAR1 Winners	Demand- commercial Heat and industrial Power
11) HyBont	Electrolysis	6MW		Operational target date 2025. HAR1 Winners	Demand- transport and industry
12) Trecwn Green Energy Hub	Electrolysis	15MW		NZHF	
13) Ballymena Hydrogen	Electrolysis	TBC		Operational target date 2024. NZHF	
14) Lowestoft Hydrogen Production Facility	Electrolysis	7MW (in construction) 53MW (planned)		Operational target date 2025. NZHF	Demand- Local land and sea transport fleets
15) Didcot Green Hydrogen	Electrolysis	TBC		NZHF	TBC
16) Green Hydrogen St Helens	Electrolysis	TBC		Operational target date 2025. NZHF	Demand- directly connected and supply to Pilkington UK (glass production plant)
17) Green H2 Winnington & Middlewich	Electrolysis	TBC		NZHF	Demand- directly connected and supply to TATA Chemicals Europe
18) Inverness Green Hydrogen Hub	Electrolysis	Initially 6MW, with potential of reaching 24MW		Operational target date 2025. NZHF	Demand- transport and industrial
19) Mannock Green H2 Valley	Electrolysis	5MW		Operational target date 2025. NZHF	Initially transport
20) Knockshinnoch Green Hydrogen Hub	Electrolysis	2.5MW		NZHF	Transport
21) HyNet HPP2	CCUS	Aspirations to reach 4GW by 2030		Operational Target date 2026. NZHF	Industry and Power

22) Kintore Hydrogen	Electrolysis	500MW, with plans to reach 3GW		Operational target date 2030 (max cap). NZHF	
23) H2 NorthEast	CCUS	355MW		Operational target date 2027. NZHF	
24) Felixstowe Port Green H2	Electrolysis	100MW		Operational target date 2026. NZHF	
25) HyNet HPP1	CCUS	1.35GW with aim to reach 4GW by 2030		Operational target date 2027. CCUS Track 1 Clusters- Phase 2 negotiations	
26) H2 Teeside	CCUS	Target for over 1GW		Operational target date 2027. CCUS Track 1 Clusters- Phase 2 negotiations	
27) Acorn	CCUS	300GW	A 2% blend at St Fergus underpins the business case for unit 1 at ACORN.	Target date 2027, Track 2 Cluster Sequencing Process	Commercial/industrial customers via gas grid and road haulage to remote users.