

There are a number of local hydrogen hubs throughout Scotland which are all distinctive and reflect local strengths with physical or geographic assets, as well as experience and people skills. The Fife and Forth local H2 hub can be taken as an example of one of these local hubs with opportunities including:

- The H100 project at Methil linking offshore wind to hydrogen for domestic and commercial heat
- Use of by-product hydrogen from Mossmorran to stimulate local hydrogen uptake into heat & transport applications
- Early industry uptake of hydrogen by sectors with ambition to achieve early net zero targets
- Westfield (and possibly Longannet) site as a future 'energy system node' linking the gas and electricity networks
- Significant offshore wind development potential, integration into local energy networks and meeting energy demand
- Potential for large scale H2 geological storage to minimise local renewables curtailment and meet seasonal energy demand
- Strong links into centres of academic excellence at St Andrews & Edinburgh, and local skills development
- Proximity to the Grangemouth net zero industry cluster, with export of clean H2 as products and by pipeline

A schematic illustration of the Fife Local H2 Hub and how this links into the east coast industry cluster and wider net zero opportunities is shown in the second Doodle Map. Other hubs throughout Scotland which would warrant similar treatment include Aberdeen/St Fergus, Orkney and other main islands with potential for integrating high levels of renewables, Chapelcross in Dumfries & Galloway, and the seven Scottish Cities.

I have copied in Stuart McKay, who is lead for hydrogen policy in the Scottish Government, and Ivan Cupull who is working on GIS mapping which will support the development of hydrogen projects and activities throughout Scotland.

If there are any questions about these schematics I would be most happy to discuss further with the NPF4 team.

Best Regards, Nigel Holmes

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