Hyline Cymru and decarbonising industry
Wales & West Utilities Introduction

- We are the Gas Distribution Network owner and System Operator for Wales & southwest England.
- We have 20 biomethane plants and 54 power stations connected.
- We have 1.75 TWh green gas capacity connected to our network.
- We flexibly deploy 58 GWh of storage each day (UK 210 TWh seasonally).
- From 2021-2026, we will invest £400m towards making our network net zero ready.
Decarbonising industry

Clusters & sectors

- Emissions from industry are falling over time – but slowly compared to Government ambition
- CCC reported “little evidence” that the change required to meet carbon budgets is underway

(c) Industry emissions (MtCO$_2$e)

Figure 8.2: Map of industrial sites across the UK with emissions greater than 0.1 MtCO$_2$e (BEIS, 2020), key industrial clusters of sites of any size are highlighted.
Energy and Industry in Wales

Energy is at the heart of Wales’ past, present and future

- Industry is worth £12bn to the Welsh economy
- Wales exports almost half the electricity it generates
- Up to 250GW potential offshore wind in the Celtic Sea
- 60% of emissions from power and industry
- 113,000 industrial jobs
- The second largest emitting cluster in the UK
South Wales Industrial Cluster

How we’ve developed a Regional Decarbonisation Pathway

Sources: South Wales Industrial Cluster Plan; WWU Regional Decarbonisation Pathways
Building from an industrial base

Infrastructure for the cluster unlocks opportunity for others

- 2,700 industrial connections across our Welsh networks – 1,900 in South Wales
- Potential for Wales to produce more hydrogen than it consumes, for export to South West & West Midlands
- Hydrogen infrastructure will support long duration storage for electricity generation and utilisation of renewables
Keep in touch

Visit our stand to hear more about Hyline Cymru and our other projects

Contact us with other ideas – innovation@wwutilities.co.uk

Register for our mailing list to hear about calls for ideas, receive our annual reports, news and updates

Use routes into all networks such as ENA’s Smarter Networks Portal