

NHS meeting to discuss Hydrogen opportunity for your hospital
Q&A 8th February 2024

No	Trust Member	Question	Answer
1	Blades Michael (RTF) NHCT (External)	How far north does the NGN pipeline go? Looking to Northumberland Ashington area.	Tom Greenwood - Currently Newcastle South of the Tyne So far exploring repurposing some easy options however there are no options to get over the Tyne. Suman Giri - Based on postcode of the Northumbria Site (NE29 8HN) The North Tyneside hospital is scheduled for stage 5 which is 2035-2037 Based on postcode NE63 9JJ - is not in our list at the moment
2	Josh Balmer Environmental and Sustainability Manager at Wrightington, Wigan and Leigh NHS Foundation Trust	Are we anticipating that hydrogen supply tariffs will be similar to natural gas?	Suman Giri – There is no existing transportation and storage business model for hydrogen. This is under review and soon will be published by the Govt. Until this is published, it can't be guessed about the tariffs of the Hydrogen.
3	WRIGHT, Dan (2GETHER SUPPORT SOLUTIONS LIMITED) – East Kent Hospitals (looks after)	Is that 'grey' hydrogen production? And 'large load' in terms of heat demand?	Tom Greenwood - Hi Dan, we determine a large load user typically as a user of more than 10,000,000 Kwh/year of Natural Gas.

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4	STEED, Mark (YORK AND SCARBOROUGH TEACHING HOSPITALS NHS FOUNDATION TRUST)	Will the supply be going into Scarborough as the map illustrates that it stops at the out of town industrial estate. Also when will York be connected? Thanks	Tom Greenwood - No initial plans to go near Scarborough. Been looking at outliers – York and Scarborough – connectors very much driven by a solid need for hydrogen in those areas. When look at Scarborough if knew there was a good demand then make a good effort to repurpose. If there is significant use and near repurposed lines then they would look to plan.
5	BROWN, Andrew (CITY HOSPITALS INDEPENDENT COMMERCIAL ENTERPRISES LIMITED)	Hi Suman, what are the dates for SR4 7TP and NE34 OPL	Stage 5 based on Sumans spreadsheet. Spreadsheet will be published in the NHPower website.
6	Stuart Sugarman (External)	Tom Greenwood hi. can you advise: the map suggests HRI (Huddersfield) is on the map (pink line) but I can't see our other hospital CRH in Halifax. Thanks	Tom Greenwood - Hi Stuart, this one is close to my heart as I'm from Halifax! Unfortunately CRH doesn't feature as being a high enough user of natural gas to make the connection viable at this stage. It would be useful to understand the existing Natural Gas usage currently to understand if there is anything that we can do with this one?

Hospital Name	Postcode	Hydrogen Connection	Fossil-fuel led CHP units operated on site (No.)	Gas consumed (kWh)	Gas consumed (MWh)	Gas (without CHP ops) (MWh/yr)	Gas used for CHP (MWh/Y)
Leeds General Infirmary	LS1 3EX	2035	5	81680902	81681	51816	29865
St James University Hospital	LS9 7TF	2035	1	127469587	127470	79668	47801
Royal Victoria Infirmary	NE1 4LP	2035	2	145892162	145892	110331	35561
Newcastle Freeman Hospital	NE7 7DN	2035	3	106231420	106231	57431	48800
Sunderland Royal Hospital	SR4 7TP	2035	1	51934058	51934	36841	15093

South Tyneside District Hospital	NE34 0PL	2037	1	26974620	26975	14836	12139
Queen Elizabeth Hospital Gateshead	NE9 6SX	2035	0	25018749	25019	25019	0
North Tyneside General Hospital	NE29 8NH	2037	0	20854618	20855	20855	0
Hull Royal Infirmary	HU3 2JZ	2031	1	52138587	52139	22322	29817
The York Hospital	YO31 8HE	2031	1	33755364	33755	22046	11709
Airedale General Hospital	BD20 6TD	2037	1	28985542	28986	18659	10326
University Hospital of North Tees	TS19 8PE	2035	1	36462616	36463	23131	13332
Bradford Royal Infirmary	BD9 6RJ	2031	4	37862384	37862	27214	10649
Huddersfield Royal Infirmary	HD3 3EA	2031	0	19441988	19442	19442	0
Castle Hill Hospital	HU16 5JQ	2031	1	30265140	30265	8701	21564
Scarborough General Hospital	YO12 6QL	2037	1	23618619	23619	15647	7971
Darlington Memorial Hospital	DL3 6HX	2031	1	23439402	23439	15968	7471
Harrogate District Hospital	HG2 7SX	2033	1	23867831	23868	13575	10293
University Hospital of Hartlepool	TS24 9AH	2029	1	22129855	22130	13001	9129
The James Cook University Hospital	TS4 3BW	2031	0	45812851	45813	45813	0
Pindersfield Hospital	WF1 4DQ	2031	0	23759773	23760	23760	0
University Hospital of Durham	DH1 5TW	2037	0	18657062	18657	18657	0
Roseberry Park St Lukes Hospital	TS4 3AF	2031	1	12233753	12234	8105	4129
Friarage Hospital	DL6 1JG	2035	0	10672950	10673	10673	0