

GS(M)R Review:

Responses to Actions from October 2022 Transmission Workgroup



Action 0110: National Grid to explore with HSE and/or BEIS to consider if revisiting raising the upper Wobbe limit is viable

National Grid Response:

NGG has engaged with BEIS and HSE to enquire about any potential reconsideration of an amendment of the upper limit of the Wobbe Index range as defined under GS(M)R

BEIS and HSE have confirmed to NGG that there are currently no plans revisit an increase to the upper limit for Wobbe Index

The current focus is to complete the Government response to the impact assessment and consultation that was published earlier this year and, subject to such response, thereafter progress the revisions to GS(M)R through Ministers and Parliament

The reasons for not progressing the upper Wobbe Index change remain the safety concerns and potentially high costs of application adaptation that were referenced in the HSE's impact assessment, however if further evidence is brought to HSE that challenges these assessments then HSE remains open to a reconsideration at that time

Network Penetration Analysis

At the October Workgroup, we presented analysis showing the potential penetration of lower Wobbe gas into the network if the proposed reduction in the lower limit is implemented

The scenarios illustrated the impact if the NTS entry terminals that have indicated a wish to change their lower limit were flowing concurrently with other terminals flowing at:

- Their average historical Wobbe Index; and
- The current GS(M)R minimum of 47.2 MJ/m³

The Workgroup requested to see the difference between these two values for each relevant entry point

Wobbe Index Differences

Entry Point	Historical Average Wobbe (MJ/m ³)	GSMR Min (MJ/m ³)	Difference (MJ/m ³)
Entry Point A	47.99	47.2	0.79
Entry Point B	49.83	47.2	2.63
Entry Point C	50.75	47.2	3.55
Entry Point D	50.93	47.2	3.73
Entry Point E	50.63	47.2	3.43
Entry Point F	51.10	47.2	3.90
Entry Point G	48.09	47.2	0.89
Entry Point H	50.06	47.2	2.86
Entry Point I	49.00	47.2	1.80
Entry Point J	50.73	47.2	3.53
Entry Point K	49.96	47.2	2.76
Entry Point L	50.89	47.2	3.69
Entry Point M	49.79	47.2	2.59
Entry Point N	50.10	47.2	2.90
Entry Point O	49.86	47.2	2.66
Entry Point P	50.25	47.2	3.05