

Gas
Transmission

GS(M)R Review Update

Transmission Workgroup
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IGEM's Proposals

Subject to a HSE impact assessment, IGEM currently propose to change the GS(M)R gas quality spec as follows:

- **Increase the upper limit for Wobbe Index from 51.41 MJ/m³ to 52.85 MJ/m³**
- **Reduce the lower limit for Wobbe Index from 47.20 MJ/m³ to 46.50 MJ/m³**
- **Remove the Wobbe Index emergency limits**
- **Remove the Incomplete Combustion Factor parameter**
- **Remove the Soot Index parameter**
- **Introduce a Relative Density upper limit of 0.7**
- **Increase the upper limit for oxygen from 0.2mol% to 1.0mol% on below 38 bar systems.**

Planning for Implementation on the NTS

We want to realise the benefits of a wider specification at the earliest opportunity

We may have a 'queue' of terminal operators to manage in 2022

We therefore want to start planning for implementation now

As a first step, we sought feedback from NTS terminal operators and storage operators about who would want what changes to their gas spec at which location by when and why, assuming current IGEM proposals come to fruition

An on-line questionnaire was issued to operators in Autumn 2020

The results are contained within this slidepack

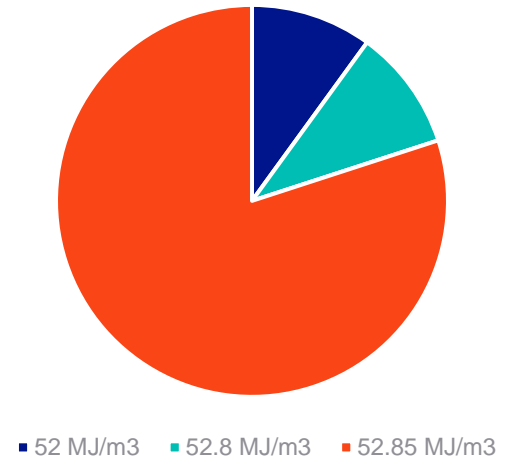
Questionnaire Results: Higher Wobbe

There were **10** respondents to the questionnaire

All **10** respondents stated that they would want a higher Wobbe Index limit

- There were **8** requests for an upper Wobbe index of 52.85MJ/m^3 , **1** for 52.8MJ/m^3 , **1** for 52MJ/m^3
- Reasons included:
 - Reduced likelihood of offshore curtailment
 - Reduced requirement for gas processing; reducing costs and environmental impact
 - Enables access to a wider range of upstream gas sources, thereby benefiting GB security of supply
 - Increased operational flexibility, allowing greater terminal utilisation
 - Improved alignment with upstream specifications

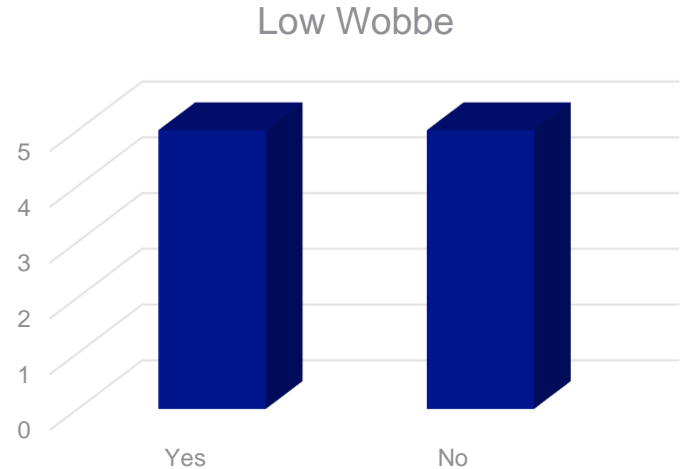
High Wobbe request



Questionnaire Results: Low Wobbe

Out of the **10** respondents to the questionnaire, **5** respondents stated they would want a lower Wobbe Index limit

- There were **4** requests for a Wobbe Index of 46.5MJ/m^3 , **1** respondent did not provide a value
- Reasons included:
 - Increasing operational flexibility
 - Positive impact on terminal utilisation
 - Enables access to a wider range of gas compositions
 - Increased security of supply



Questionnaire Results:

Publication of Gas Quality Limits at NTS Entry Points

Respondents were also asked whether, in principle, they would be willing for National Grid to publish the gas quality limits that apply at their NTS entry point(s)

8 of the **10** respondents agreed with this proposal, in principle

The other **2** respondents requested that publication of entry point specific gas quality information should either be voluntary or mandated for all entry points for consistency and to ensure no competitive advantage across the market

Next Steps

We thank those operators who responded to the questionnaire

We would welcome more input: if any other NTS entry terminal or storage operator is willing to share views with us (confidentially) please contact Philip.Hobbins@nationalgrid.com

We will use the information gathered to start implementation planning for the GS(M)R change proposals

We will consider how best to achieve greater transparency in gas quality limits that apply at NTS entry points

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Gas Quality Blending Services Update

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Gas Quality Blending Services Update

Our consultation closed on 13th November 2020

We received 14 responses from customers and stakeholders across the gas value chain – thank you to those who took the time to respond

You can view our consultation report and all non-confidential responses on our website at [Have your say on our current business plans | National Grid Gas](#)

We will continue this project with a detailed planning exercise and will engage with industry again during Q1 2021