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forum

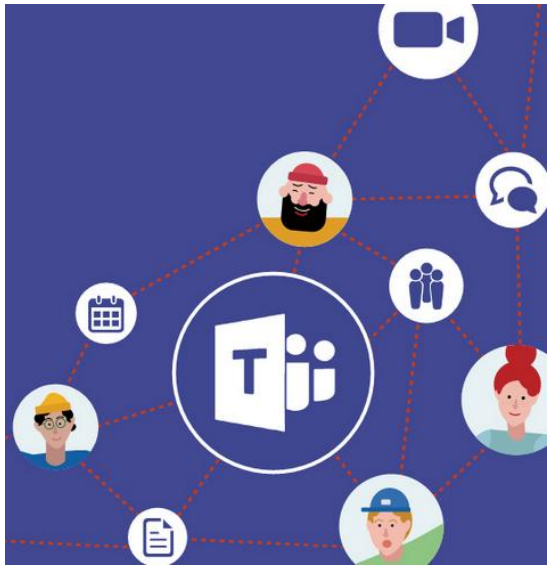
Housekeeping

- **For Microsoft Teams participants:**

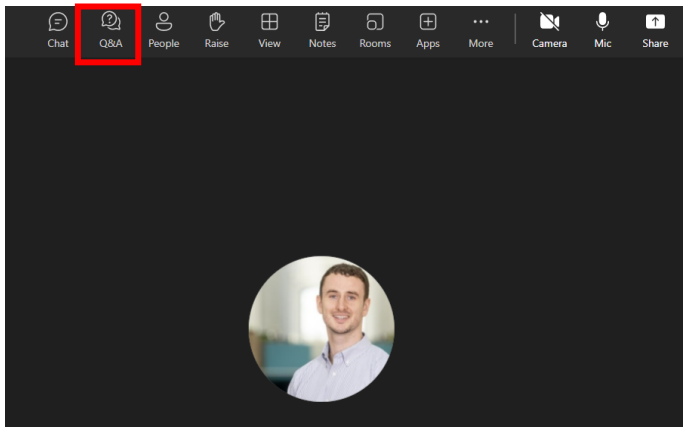
- Attendees will be automatically muted on dial-in and cameras will be unavailable.

- We have included time for an extended Q&A following the presentations.

- You can ask questions **via Teams – Q&A**



Laptop



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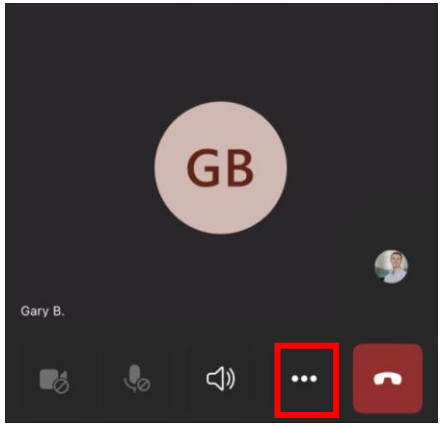

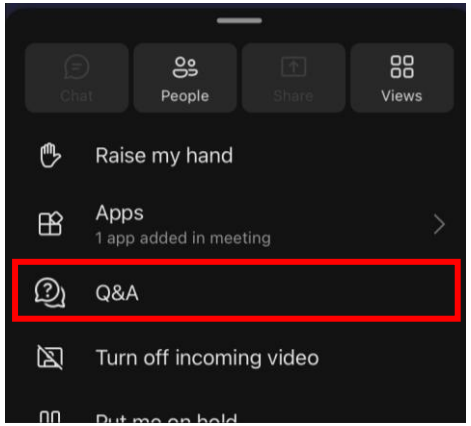

Agenda

12th March 2026 10.00
10:00 Welcome & Introduction Max Chapman
10:03 Operational Updates Max Chapman
10:15 FutureGrid: CO2 Katie Jones
10:25 UNC Update Nicola Lond
10:30 DSR Updates Emma Lowrie
10:35 Gas Quality Update Ahmed Jama
10:45 General Updates Max Chapman
10:50 Q&A

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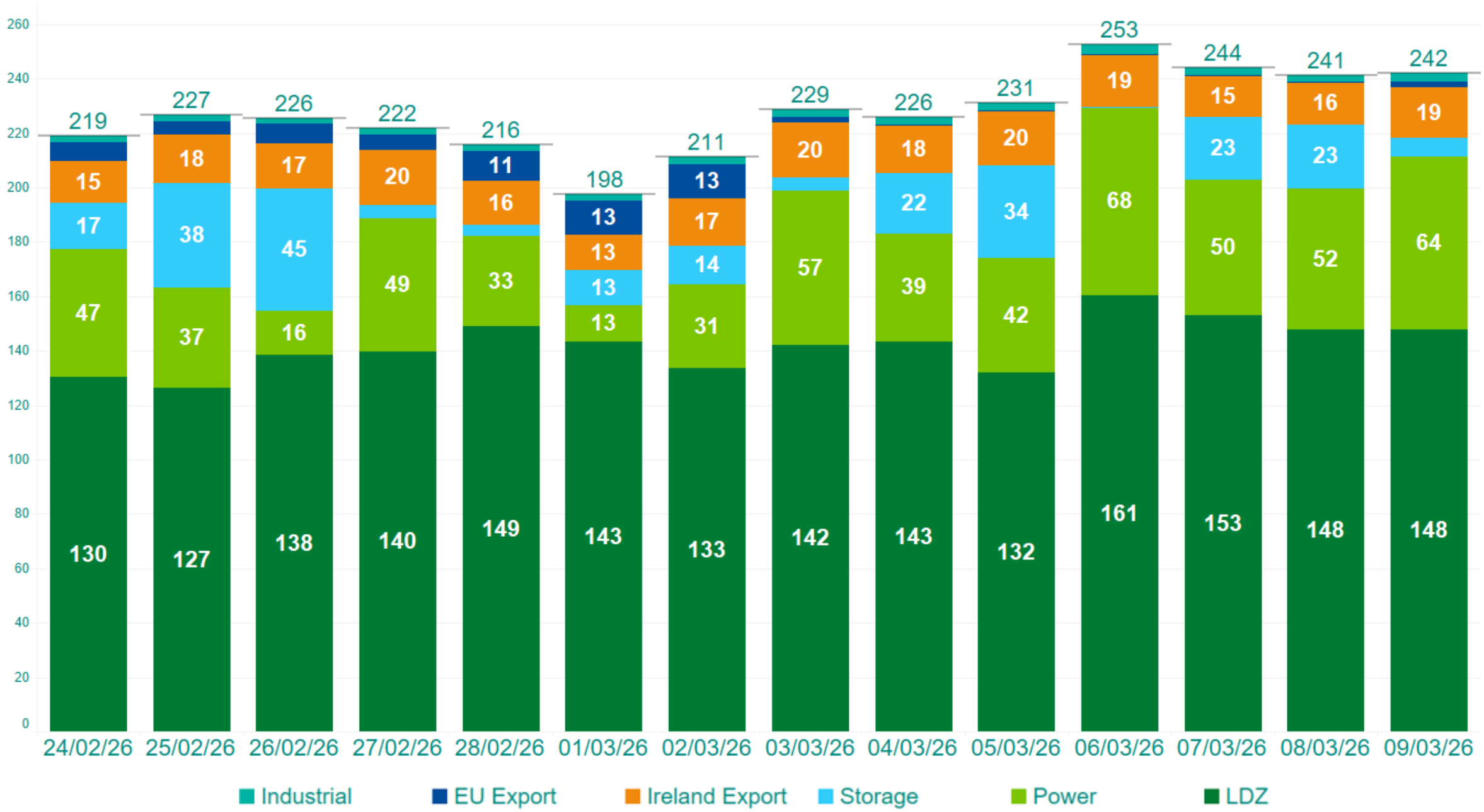
Max Chapman

Operational Liaison Manager

NTS Demand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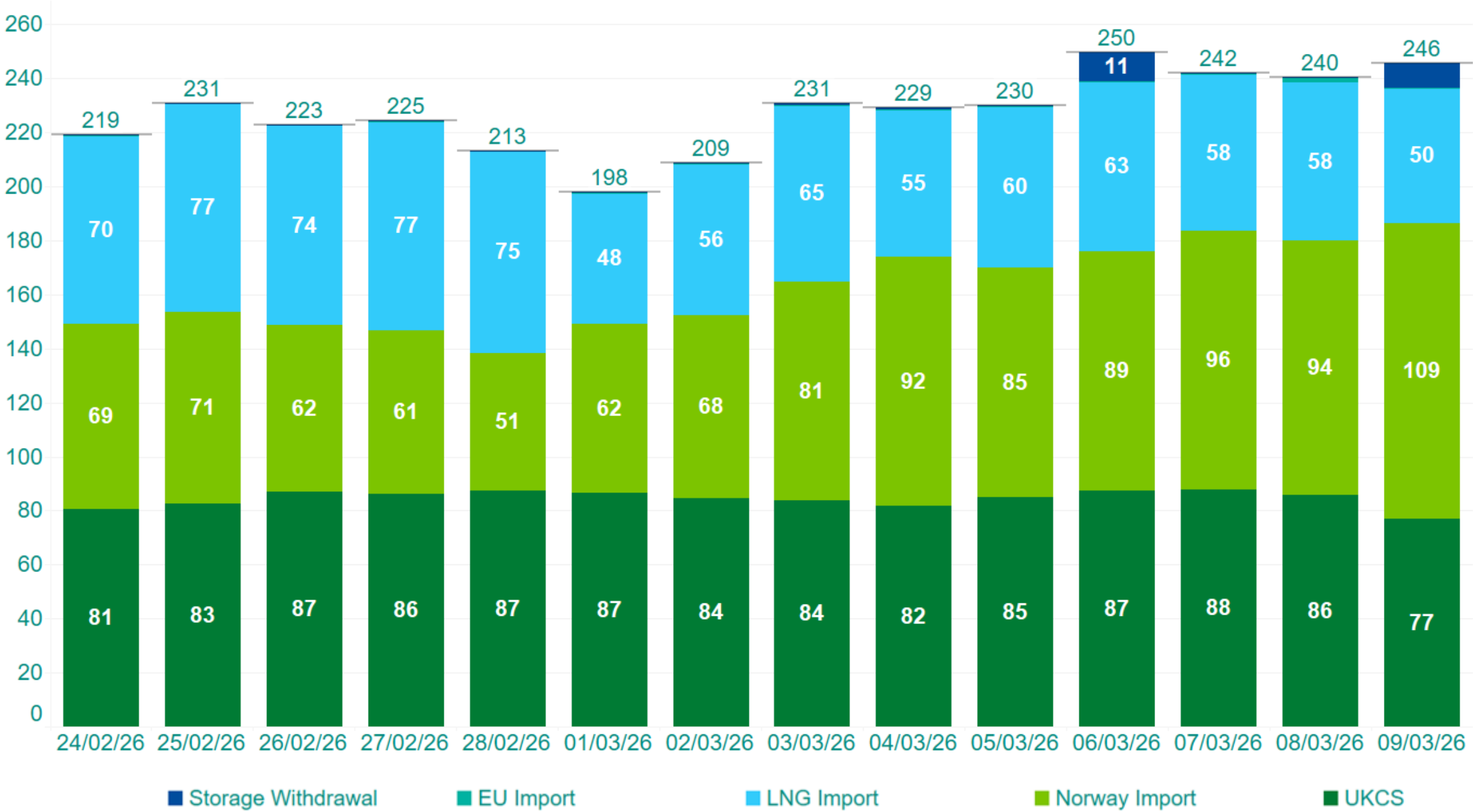
Industrial
EU Export
Ireland Export
Storage
Power
LDZ

NTS Demand vs Last Year

NTS Supply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Storage Withdrawal
EU Import
LNG Import
Norway Import
UKCS

GB Storage Levels

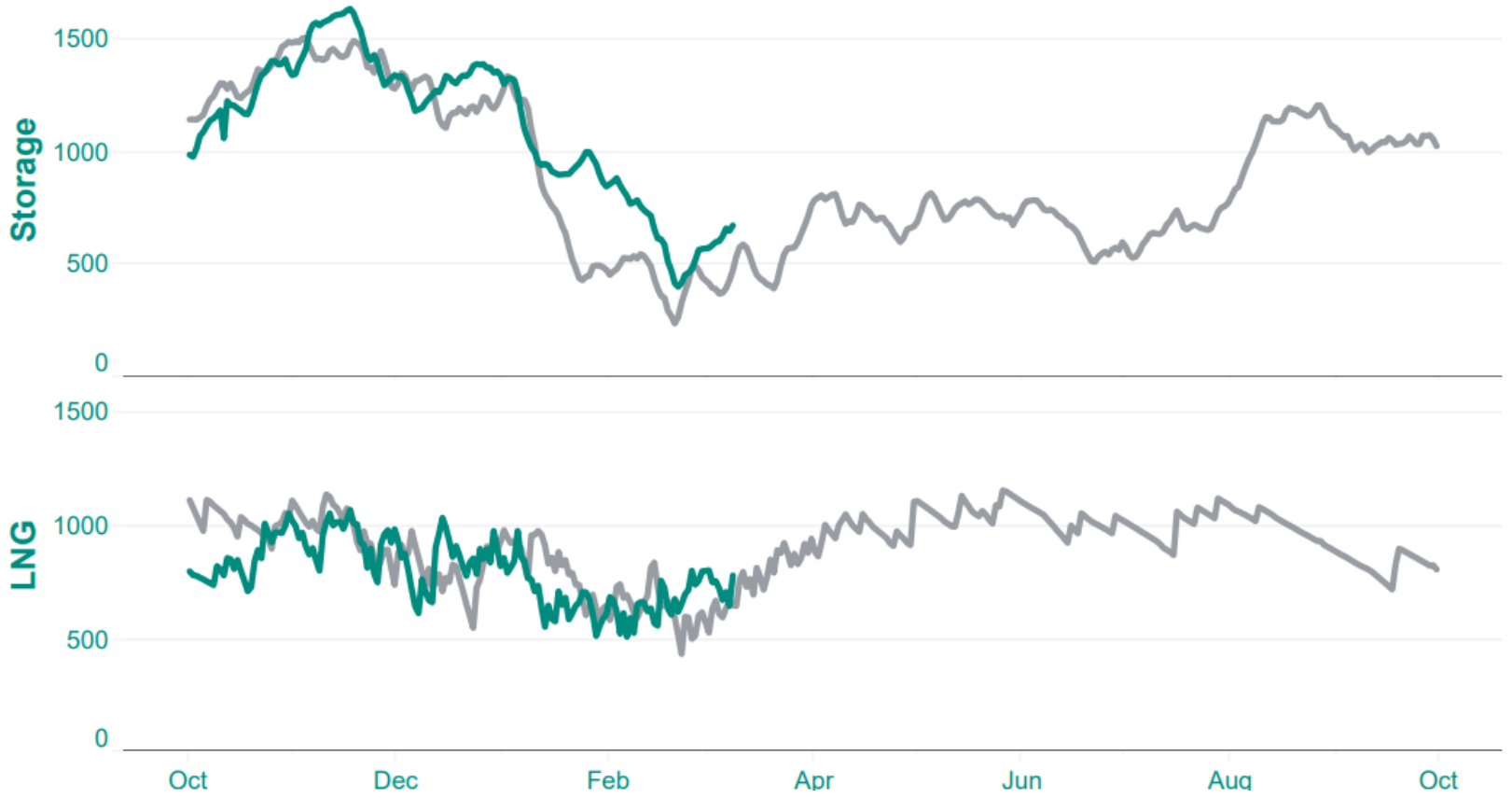
Total GB MRS Storage Stock and Percent Full
Snapshot as of: ***8 March 2026***

709 mcm
40% full

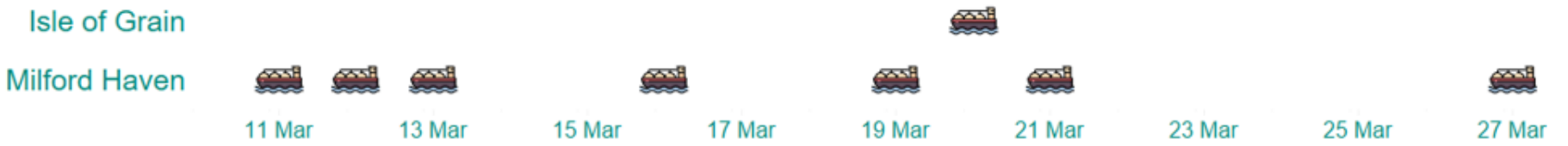
(LRS 0%) (MRS 40%)

Total LNG Stock and Percent Full
Snapshot as of: ***8 March 2026***

796 mcm
62% full



LNG Cargo Outlook



All data as at 12:00 8/3

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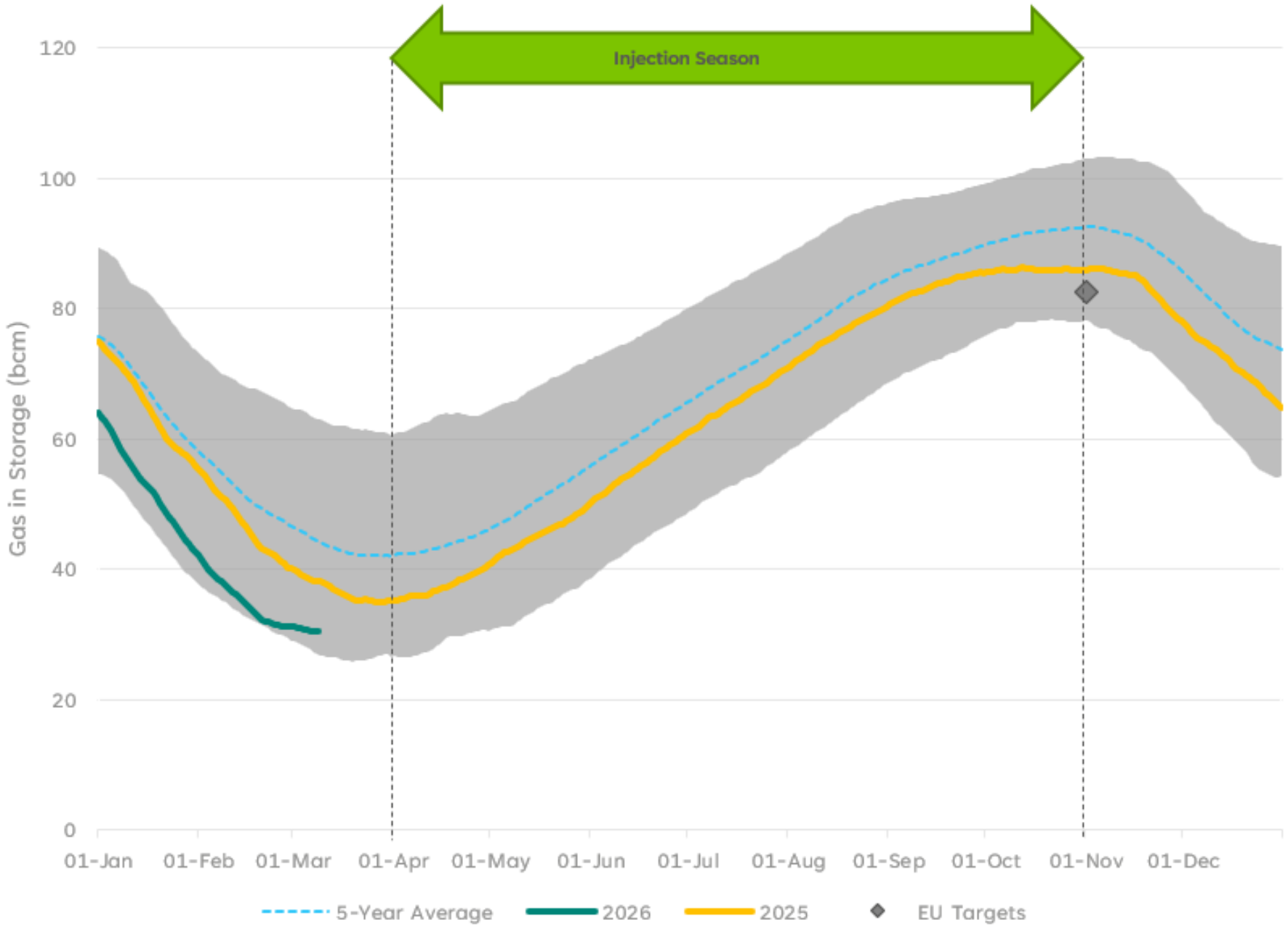
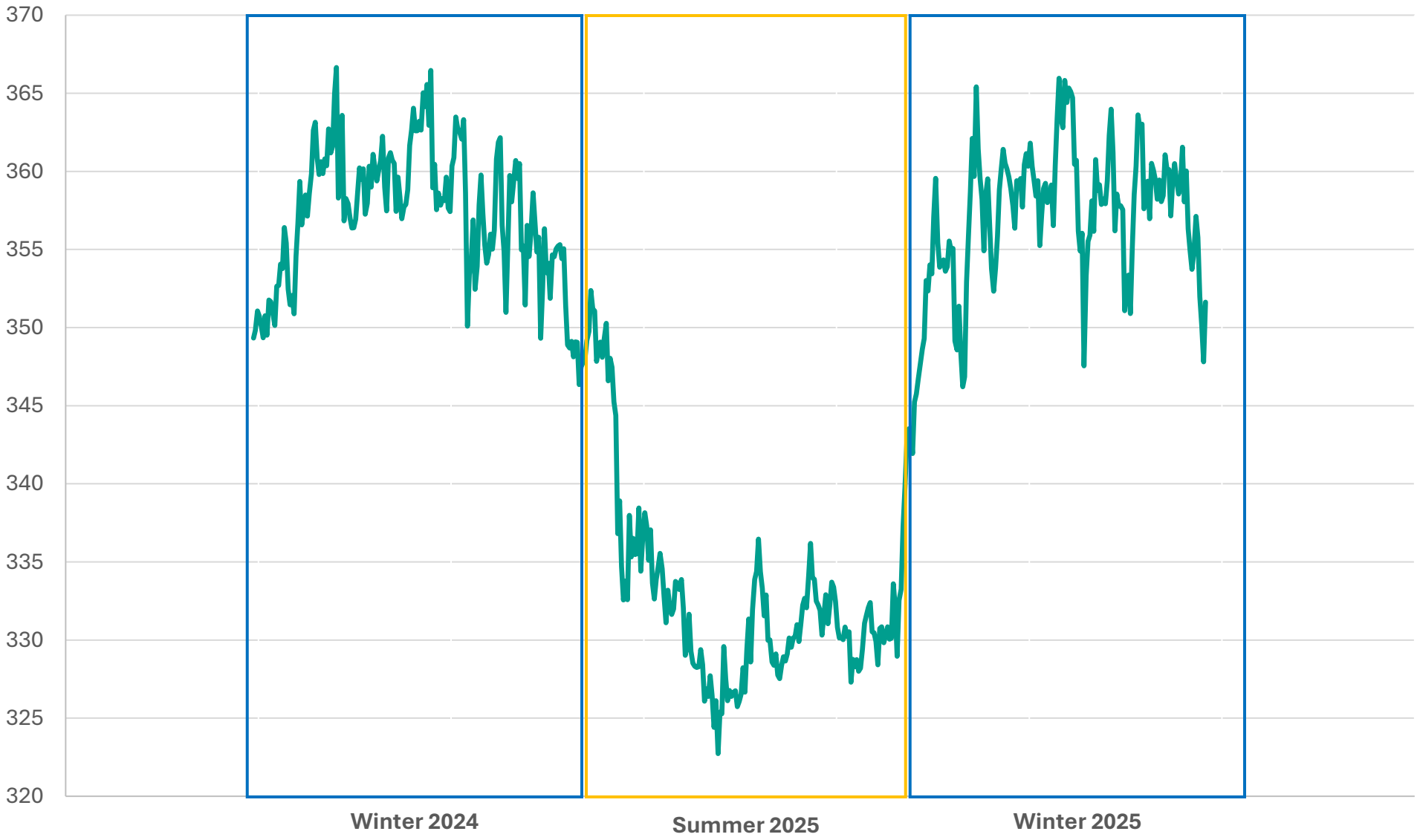
EU Storage Levels

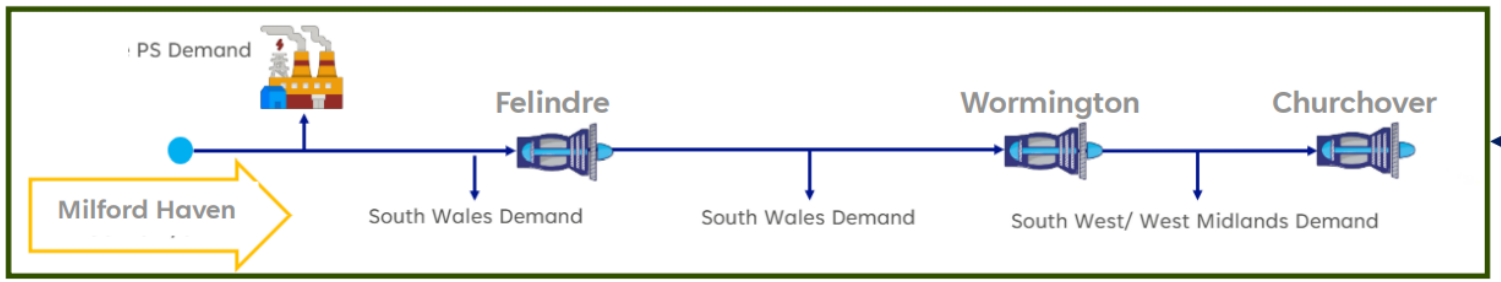


NTS Linepack



Milford Haven Update

- In February, we delivered 2 Webinars focussed on the Milford Haven region and recent entry constraints.
- They covered:
  - A geographical overview
  - Physical NTS operations
  - Commercial actions
  - GEMINI issues
  - Future asset investment
  - Specific Q&A
- Webinar 1 – 13th February
- Webinar 2 – 27th February



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Katie Jones

Senior Engineer

FutureGrid: CO_2

Project Partners

- National Gas- Lead Network
- DNV- All technical deliverables
- Pie- Peer reviewer of all technical deliverables
- NaTran- Project Support

1 Project Management 2 Design 3 Pre-construction 4 Build 5 Commission 6 Test 7 Decommission 8 Interpret 9 Reporting

FutureGrid CCUS

Using the world first high-pressure hydrogen test facility made up of decommissioned transmission assets, to demonstrate the National Transmission System (NTS) can transport **Carbon** safely and reliably.

Technical and Commercial Impact of High-Pressure Carbon Transportation
Approach to repurposing vs new build and how the NTS could enable CCUS in the UK

Carbon Transportation Technical Demonstration Phase 1
CCUS technical benchmarking, safety case analysis, commissioning, materials and operational considerations

FutureGrid: CO2
Physical demonstration of the NTS' capability for CCUS utilising our test facilities at DNV Spadeadam FutureGrid

FutureGrid@nationalgas.com
nationalgas.com/FutureGrid

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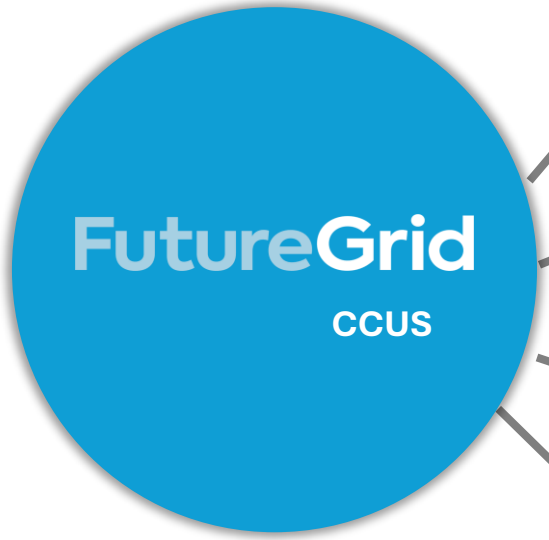
Making use of the FutureGrid Phase 1 facility



Observing CO_2 in the flow loop

Observing leaks, noise, vibration and general behaviour of carbon dioxide. Being able to show we can transport carbon dioxide for important public perception work

Venting

Looking at the real dispersion and temperature changes from a gaseous phase CO2 vent. This allows us to validate models.

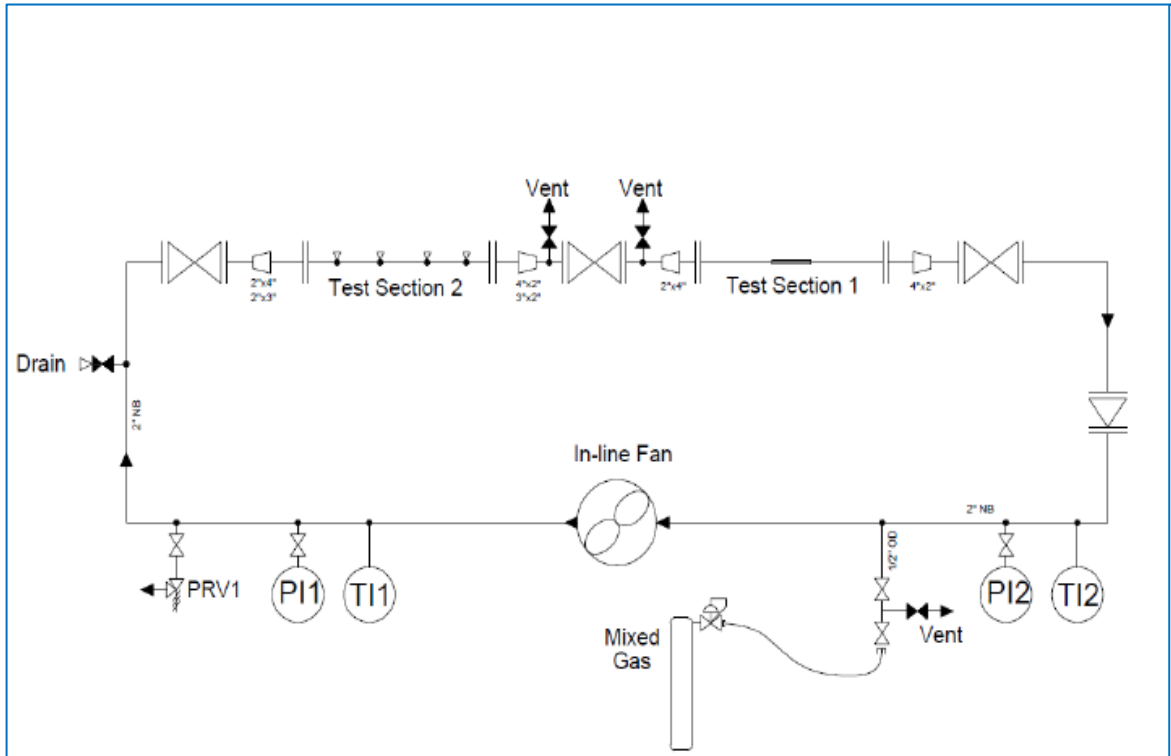
Hazard Validation

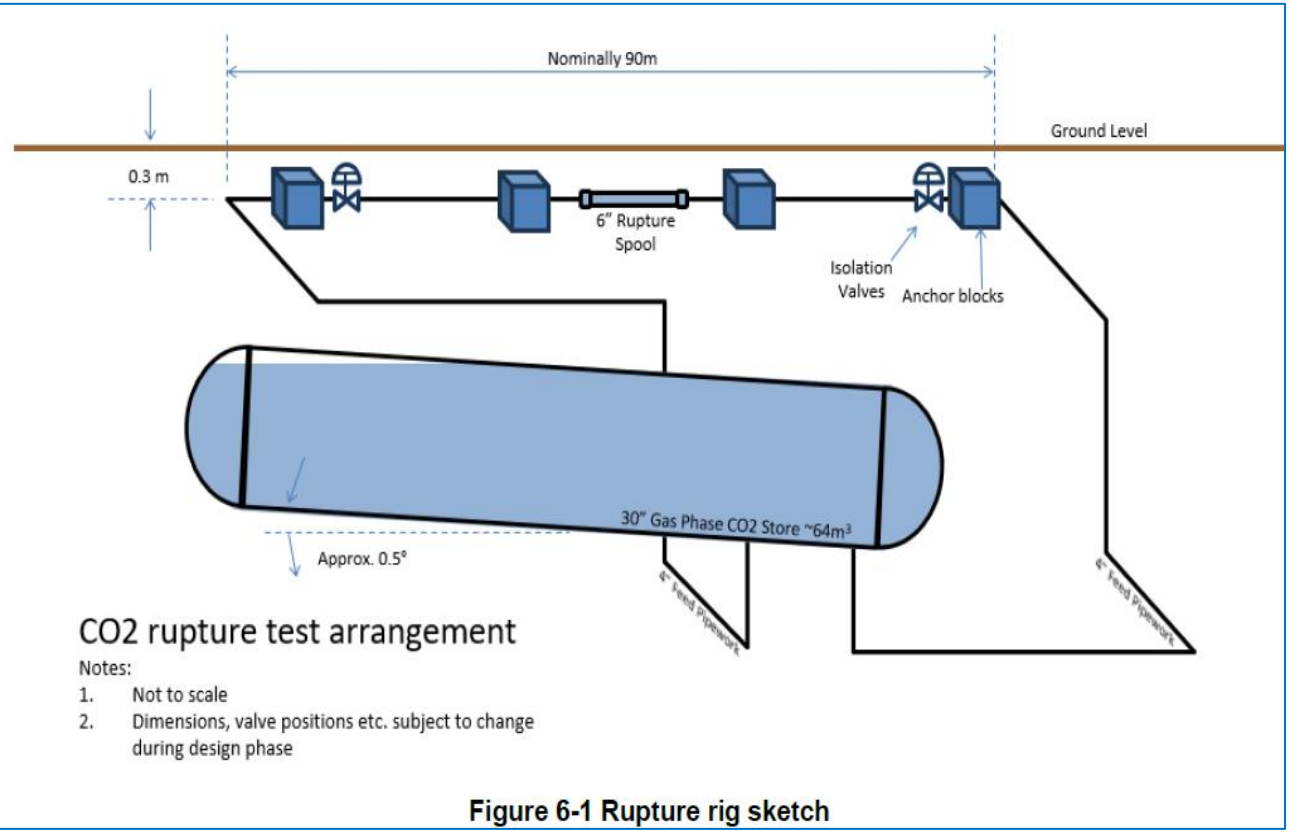
As with venting, understanding with a carbon dioxide release following damage will better enable us to understand the dispersion of CO2 at low wind speeds and do QRA's.

Corrosion/ impurities rig

Understand the effects on pipeline with corrosion etc. When taking in off-spec carbon dioxide (how quickly the situation will unfold) and testing impurity detection systems and response times.

Carbon Dioxide Demonstration





CO2 rupture test arrangement

Notes:
1. Not to scale
2. Dimensions, valve positions etc. subject to change during design phase

Figure 6-1 Rupture rig sketch

Innovative Impurity monitoring technology in an offline test

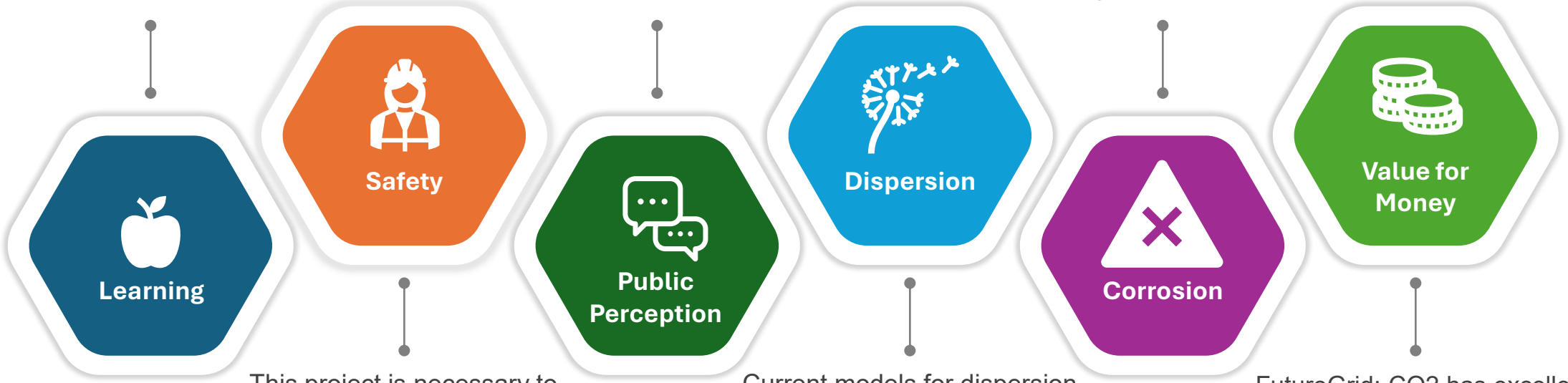
Gaseous phase rupture testing

Project Benefits

These learnings aren't just important to National Gas but will help support important work around the CCUS clusters around the UK.

Public perception and acceptance is a key enabler for CCUS. Being able to carbon dioxide transportation on a large demonstrator such as FutureGrid is important for the developing CCUS market in the UK.

The biggest difference between carbon dioxide pipes running today and carbon dioxide pipes running in the future is the projected impurity levels. Making sure that we know how to deal with impurity and corrosion incidences is a critical path for us to transport carbon dioxide



This project is necessary to ensure safe transport of Carbon Dioxide and make the conversion from Natural Gas as smooth as possible.

Current models for dispersion lack real life data to validate them. Making sure that these are valid will enable us to have certainty when doing safety assessments

FutureGrid: CO2 has excellent value for money- it is primarily reusing rigs from other experiments- saving over £5million having to build new. It is making good on our initial promises to use the FutureGrid facility beyond hydrogen testing and prolonging the value of this asset

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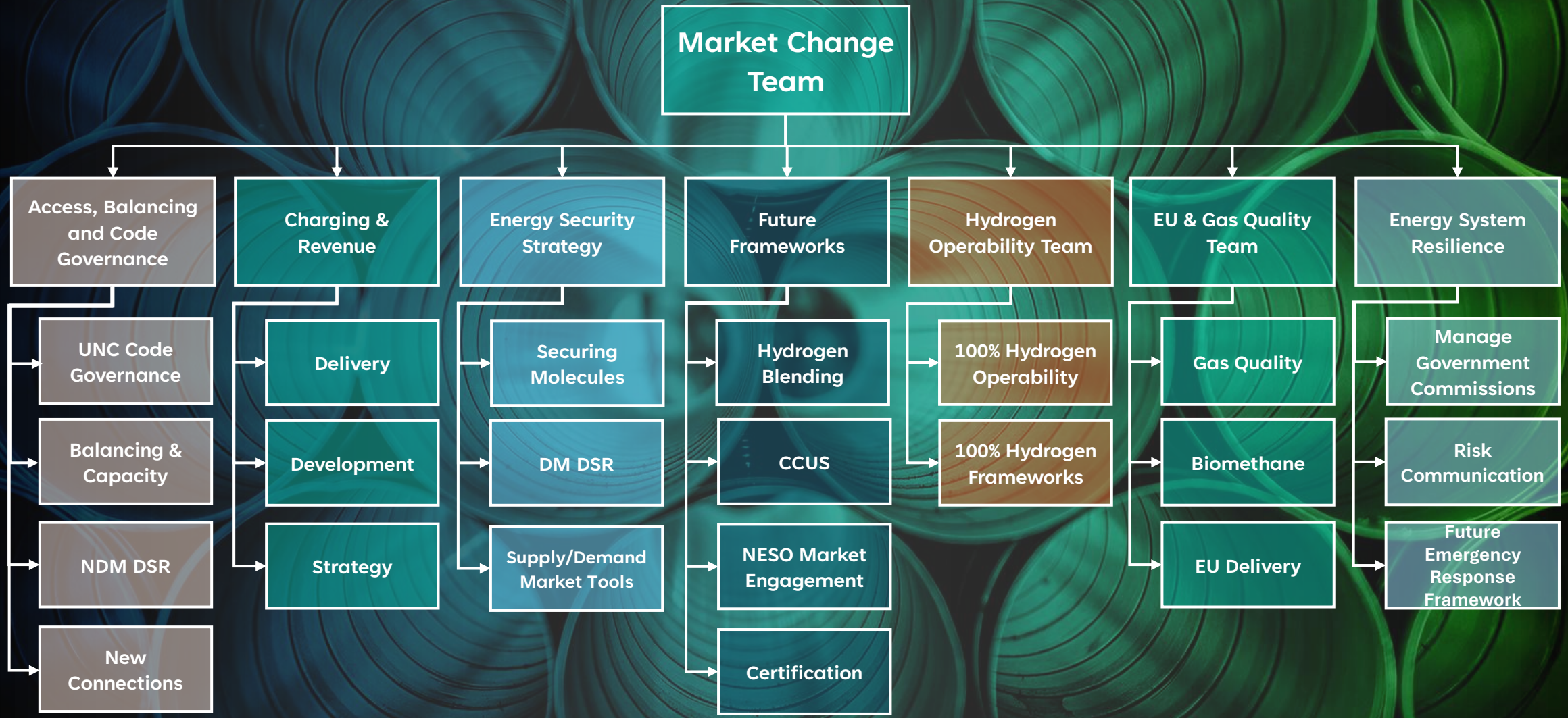
Nicola Lond

Senior Codes Change Lead

Market Change Update

Market Change Team Responsibilities



Transmission UNC Modifications

Approved / awaiting implementation

	Implementation
✓ 0864s : fax removal from Code Communications	• 26/06/26
✓ 0887 : Facilitating Bi-Directional connections between IGT pipelines and the NTS	• Summer 2026
✓ 0912s: PARCA Quarterly NTS Entry Capacity minimum duration quantity	• 12/12/25
✓ D0001 - Hydrogen Blending: An NTS Transportation and Power Station Consumption Demonstration.	• Oct 25

Awaiting Authority Decision (TBA unless stated)

- 0894/A: Biomethane entry into the GDN by exporting methane from the GDN into the NTS via Compression
- 0900: Amendment to the Gas Quality NTS Entry Specification at Biomethane System Entry Points
- 0903:Introduction of a Single NTS Capacity Reference Price – Exp.14 Dec
- 0907: Extension to current maintenance period
- 0918: Temporary reintroduction of the enhanced pressure service and increased MNEPOR for BBLC (reintroduced by UNC0891 and UNC0859 and introduced by UNC0814) –Expected 7th May

Ofgem expected publication dates timetable for all Modifications awaiting decisions.

In development at Workgroup

- ❑ 0920: PARCA Security Amount
- ❑ 0923: Disapplication of TPD Section D7 (DSR Options) for 2026 only
- ❑ 0924R: Review of UK retained EU Network Codes (to enable the streamlining of UK retained EU Network Codes)
- ❑ 0916: Reform of Capacity Arrangements at Interconnection Points – on hold pending 0924R

At Consultation

Modifications

- None currently

Closed Requests

- ✓ 0901R: Review of the arrangements for reservation of NTS Capacity
- ✓ 0902R: EU Capacity Allocation Mechanism Network Code Review
- ✓ 0894R: Facilitating Biomethane entry into the GDN by exporting methane from the GDN into the NTS via Compression

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Emma Lowrie

Energy Market Development Specialist

Demand Side Response (DSR)

DSR Update

- Market challenge: Pre-contracted DSR volumes remain low and are not growing toward the levels needed to deliver operational benefit.
- Assessment of options for 2026:
  - **Maintain current tender:** Likely to repeat historically low participation and deliver little value.
  - **Enhance the framework:** Requires redesign and consultation that cannot be completed in time for 2026.
  - **Defer the tender:** Avoids unnecessary administrative burden and allows alignment with outcomes of the DESNZ Gas System Resilience consultation.

- Recommended approach: Pause the 2026 DSR tender to understand participation barriers, rebuild confidence and create space to improve the framework for future years.

- Next steps: We're ambitious to grow the scheme.
  Deliver a targeted engagement plan including bilateral outreach,
  work with trade associations and interactive webinars

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Ahmed Jama

Code Change Lead

Gas Quality Update

Background

What is Mod 0882s?

Mod 0882s is a UNC change that requires National Gas to publish clear, timely information whenever a new NTS entry connection requests a non-standard gas quality parameter, closing the previous transparency gap between new and existing connections

Why Change?

Lack of Transparency: More projects were requesting higher O_2/CO_2 limits than the published standard.

Growing non-standard requests : More projects were requesting higher O_2/CO_2 limits than the published standard.

Inconsistent with Existing Sites: Existing connections already had a transparent process for gas quality changes, but new ones didn't.

No Formal Requirement : There was no obligation to publish or share information on these new-connection requests.

Need for Industry Awareness: Stakeholders wanted early visibility of potential network impacts and sensitive-customer considerations.

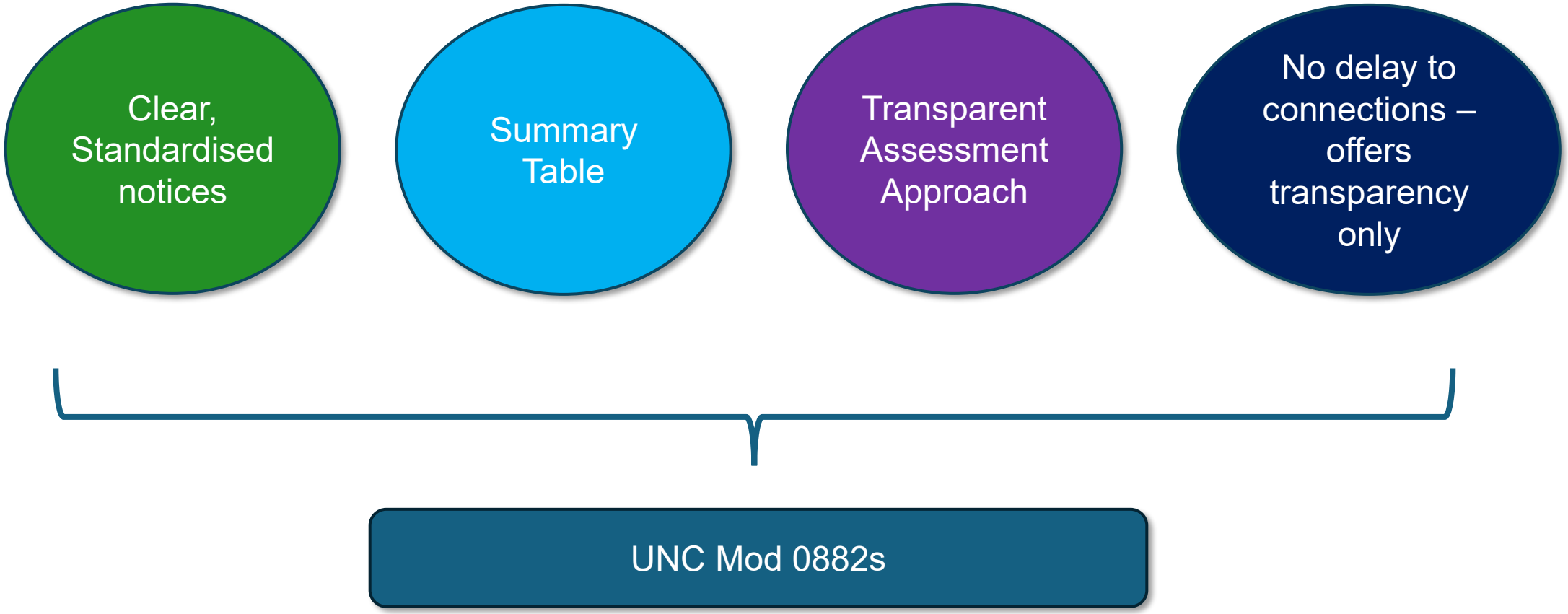
0882S - Transparency of non-standard Gas Quality parameters at new entry connections to the NTS

Implementation

Completed

01/04/2025

What Mod 0882s introduces



Process and Published Examples

How the process works

- **Developer submits application:** The developer requests a parameter outside the standard NEA spec
- **Notice 1:** Is published to inform industry of the request and expected timelines
- **Network Analysis:** National Gas completes network analysis using our published methodology (heat map/decision tree)
- **Notice 2:** Is published summarising whether request is acceptable and highlighting any potential impacts
- **Public Summary Table:** The request is added to the public summary table, updated periodically (at least every 6 months).

What's Live Now (Published Examples)

Notice details:

Item	Description/Notes	Details
Application competent date	Deemed competent by NG in accordance with UNC TPDV.13	01/09/2025
Application timeline	3/6/9 months	6 months
Location	Entry Zone/feeder	EA / Feeder No. 3
Requested Gas Quality	Parameter - O2 or CO2	Oxygen
	Limit/range requested	0.2% mol
Estimated flow volume (mcm/d)	Expected max flow	0.036 mcm/d
Requested connection date	Customers expected date of connection	30/09/2027
Initial RAG status	Initial view of likelihood to accept –	Amber
Next Steps	The next stage in the assessment of the request	Assessment analysis

Notice 1

The impact on Oxygen content on sensitive sites is as follows

Power stations:

Offtake Name	Region	Mol. % (Maximum)	PPM (Maximum)
Epping Green (Enfield Energy-AKA Brimsdown)	South East	0.00176	18
Peterborough (Peterborough Power Station)	East Midlands	0.00073	7
Saddle Bow (Kings Lynn)	East Midlands	0.00044	4
Weston Point (Rocksavage)	North West	0.00036	4
Didcot	South West	0.00035	4
Marchwood Power Station	South West	0.00035	4
Burton Point (Connahs Quay)	North West	0.00034	3
Langage Power Station	South West	0.00034	3
St. Neots (Little Barford)	South East	0.00034	3
Millbrook Power Station	South West	0.00034	3
Caldecott (Corby Power Station)	East Midlands	0.00033	3
Seabank (Seabank Power Station Phase II)	South West	0.00033	3
Abson (Seabank Power Station Phase I)	South West	0.00032	3
Stanford Le Hope (Coryton)	South East	0.00026	3

Conclusion: This is acceptable.

Reasoning: The analysis showed that if a 0.2mol% specification for oxygen is agreed with Connection 2, no storage site is expected to receive gas with O2 concentration greater than 0.00036mol%, no power station O2 concentration greater than 0.00176mol%, and no interconnector O2 concentration greater than 0.00048mol%, which is well within GSMR and operational guidelines.

Notice 2

Link to website: Connections Document Library | National Gas

Thank you

Market Change | National Gas

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box.ntsgascharges@nationalgas.com

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Max Chapman

Operational Liaison Manager

General Updates

SOAP API Decommission

11th May 2026

1 Change

- From 11th May 26 SOAP APIs will **no longer be available**
- REST APIs will be the enduring APIs
- Reduced performance on SOAP APIs

2 Action

- Inform your **IT / Data Teams**
- Plan in changes ahead of decommission

3 Support

- Dedicated API Transition Page
- User Community Webinar on 26th March 26
- For any questions contact us at box.operationalliaison@nationalgas.com

We value your feedback

Tell Us What You Think About The Online National Gas Energy Forum

Help us make future Forums even better by sharing your thoughts, suggestions, or questions. Your feedback is important to us!

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Join us at the next hybrid forum!

We look forward to seeing you on 16th April

Location: Westminster, London

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Q&A