Gas
Transmission

Gas Operational Forum

MS Teams
20 January 2022
10.02am

Questions
MS Forms (link in the chat)
Teams Chat

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Introduction & Agenda

Joshua Bates
Operational Liaison Manager

nationalgrid

Presenters

National Grid Gas

Joshua Bates – Operational Liaison Manager

George Killick – Senior Operational Liaison Officer

Martin Cahill – Senior Operational Liaison Officer

Alison Tann – NTS Capacity & Access Development Manager

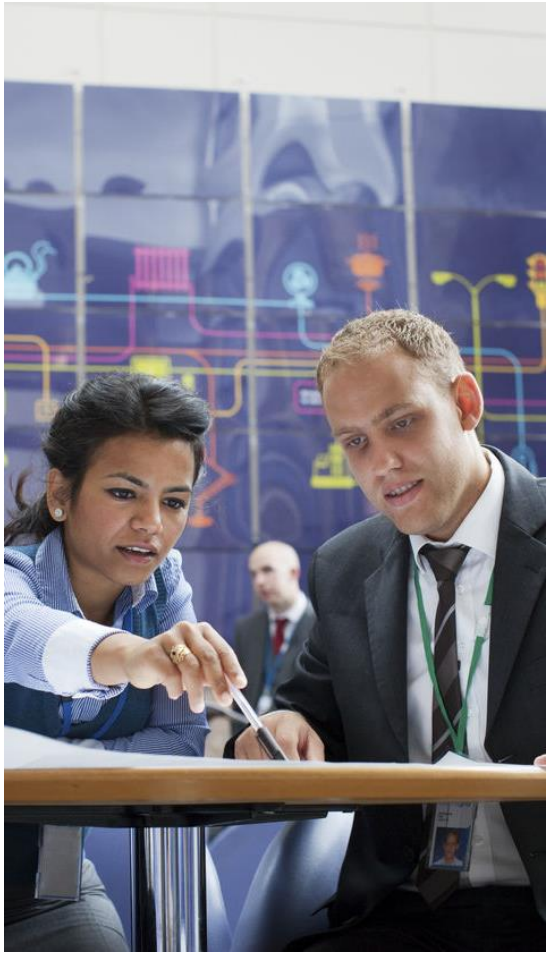
Malcolm Montgomery – Senior Codes Change Lead

Glenn Townsend – Network Control Manager

John Cummins – Senior Contracts Officer

Heleena Chauhan - Emergency & Incident Frameworks Officer

Tom Wilcock - Emergency and Compliance Manager



Calendar year 2022 Operational Forums

The forums will be hybrid via Microsoft Teams and at the Clermont Hotel, London (exc. January).

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Online	Clermont & Online	Clermont & Online	x	Clermont & Online	Clermont & Online	x	x	Clermont & Online	Clermont & Online	Clermont & Online	x
20/01	24/02	31/03		19/05	30/06			15/09	20/10	24/11	

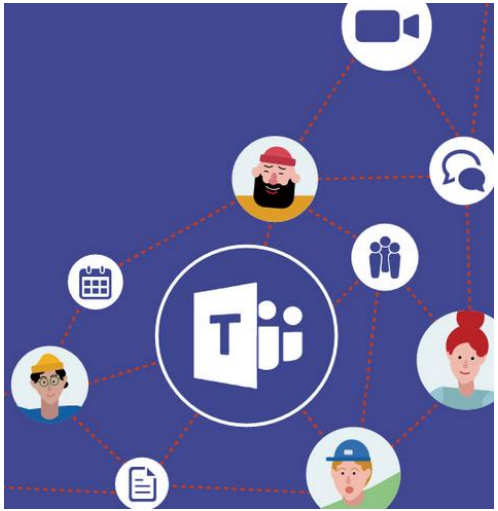
Registration is open for the February 2022 event at:
https://www.eventbrite.co.uk/e/gas-operational-forum-february-2022-online-tickets-250681403827

The Clermont Hotel
Charing Cross
London
WC2N 5HX

Housekeeping for Forums

During our Teams events;

- Attendees will be automatically muted on dial-in and cameras will be unavailable.
- You can use the ‘raise a hand’ function if you would like to speak and we will enable your camera and microphone options.
- You will then need to un-mute yourself and turn your camera on to ask your question.
- We will be taking questions via the chat function, or if you would like to remain anonymous please use Microsoft Forms (link in the chat)

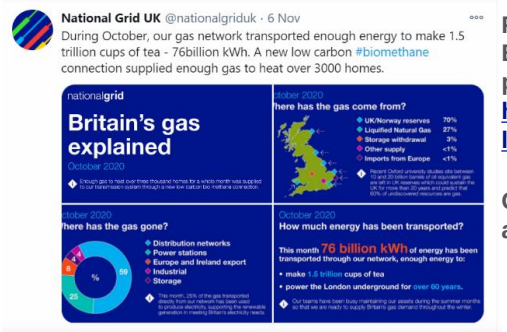


Key resources available to you

Registration is open for all events at:
https://www.nationalgridgas.com/data-and-operations/operational-forum

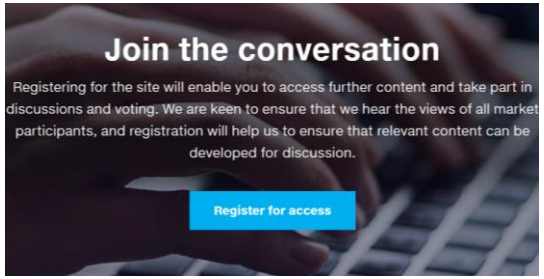
Gas Distribution List

https://subscribers.nationalgrid.co.uk/h/d/4A93B2F6FAF273DE



For the monthly Gas Explained information please visit;
https://twitter.com/nationalgriduk

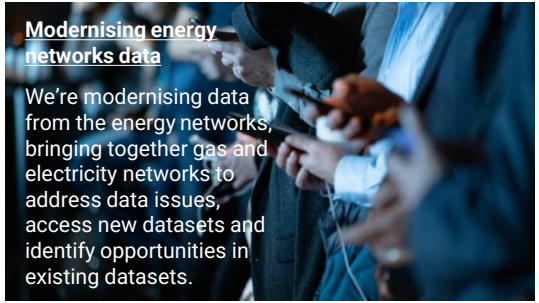
Or follow our personal accounts on LinkedIn



For updates and interaction with National Grid please visit;
https://datacommunity.nationalgridgas.com/

For the National Grid Gas Website, please visit;
https://www.nationalgridgas.com/about-us

Maintenance Planning
https://www.nationalgrid.com/uk/gas-transmission/data-and-operations/maintenance



Energy Data Request Tool:
Microsoft Forms Link

How to contact us

Operational Liaison Team

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Box.OperationalLiaison@nationalgrid.com

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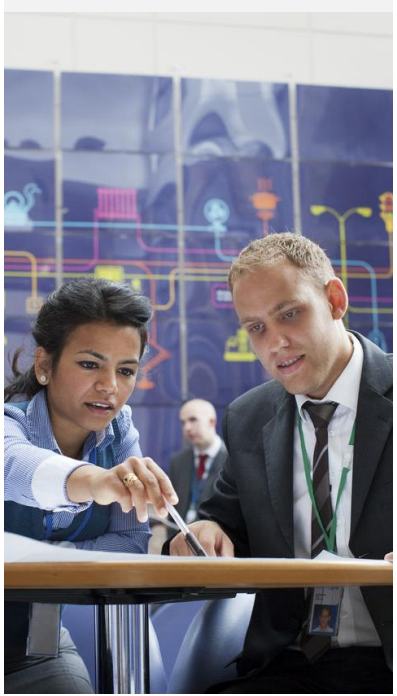

Agenda for Today

01	Welcome and Introduction	10:02
02	Operational Overview	10:10
03	Interesting Days - New Year negative gas prices - Commercial actions at Milford Haven	10:20
04	Bacton Exit Capacity Update	10:40
05	Regulatory Update	10:50
06	Project Apollo	11:10
07	Gas Operating Margins	11:20
08	ECQ (Emergency Curtailment Quantity) Process	11:35
09	Gemini Upcoming Changes	11:45
10	Updates - National Grid Webinars - I have a query document - Topics for 2022	11:55

Please ask any questions using the chat function, or through Microsoft Forms (link in the chat).

Questions will be covered at the end of each agenda section.

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Operational Overview

George Killick
Senior Operational Liaison Officer

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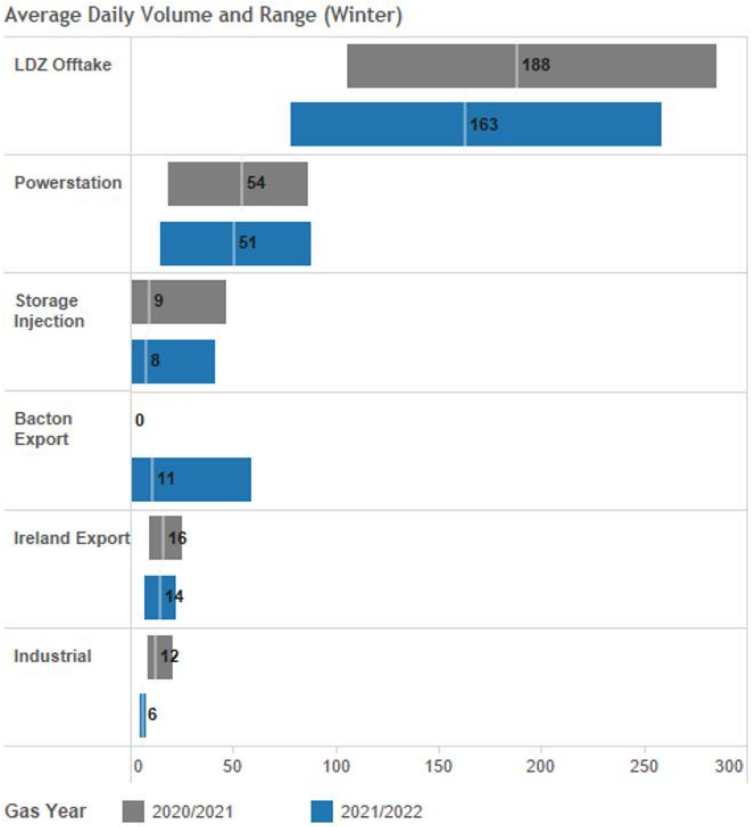
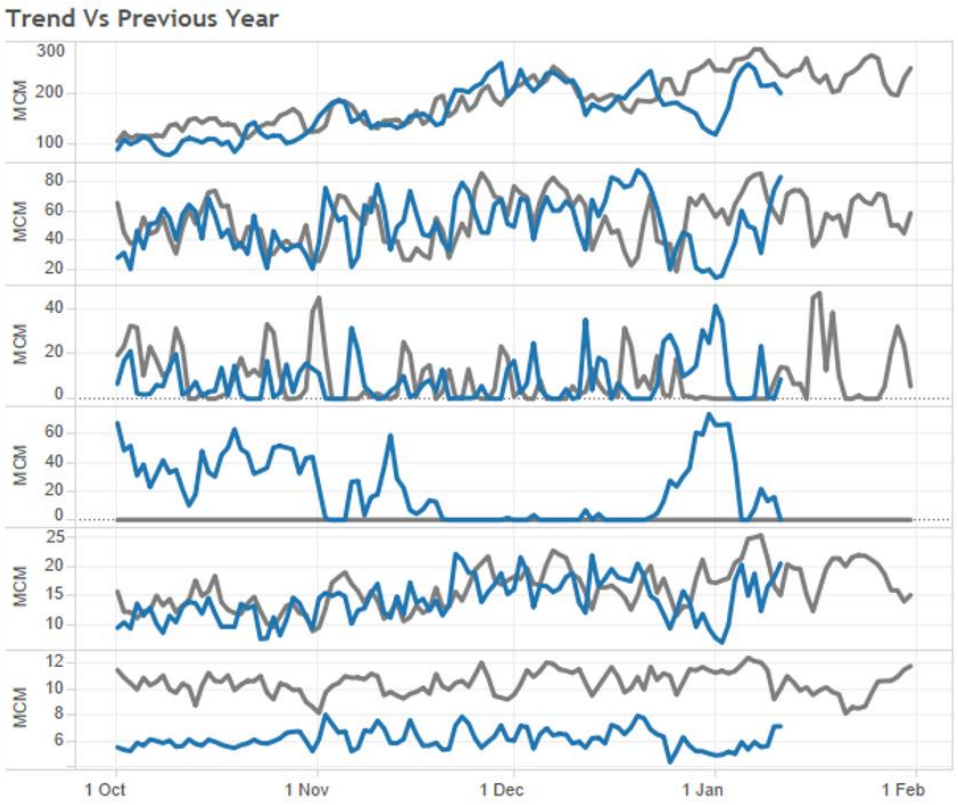
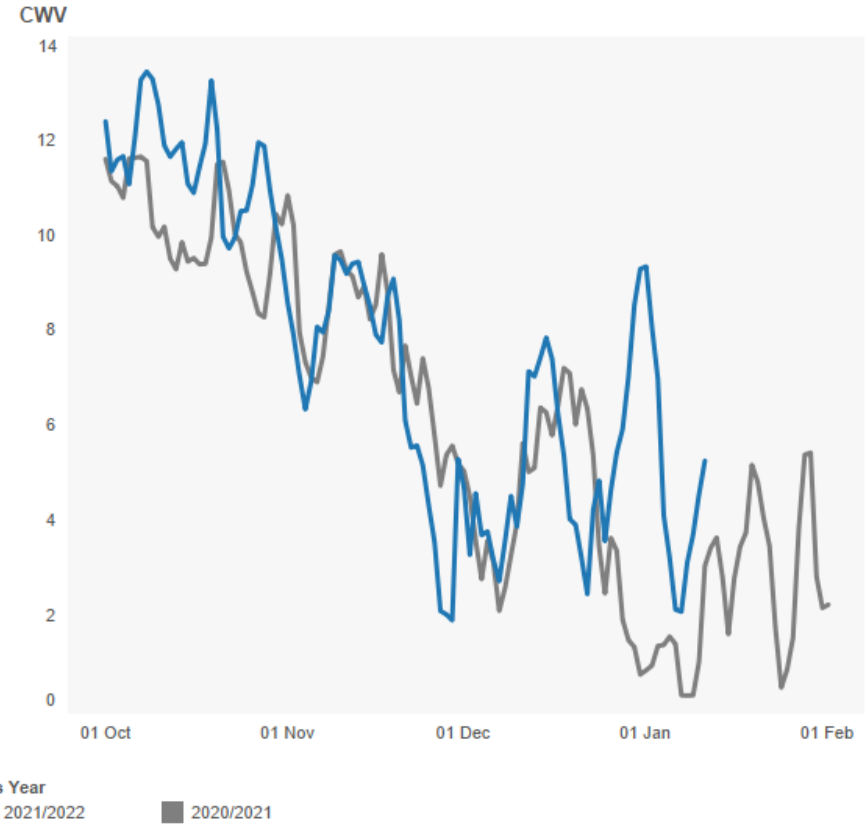
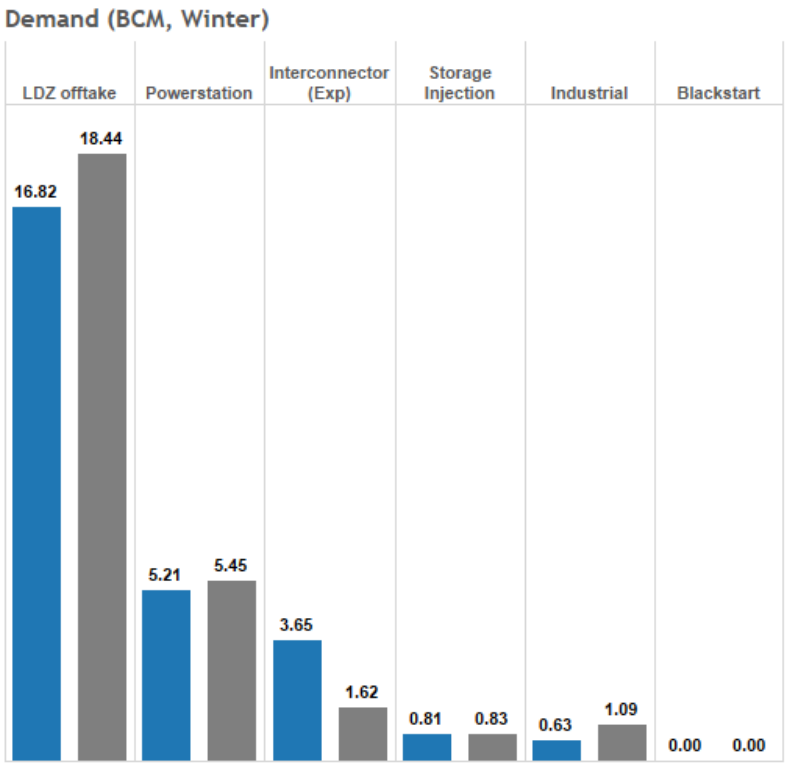
Components of NTS Demand



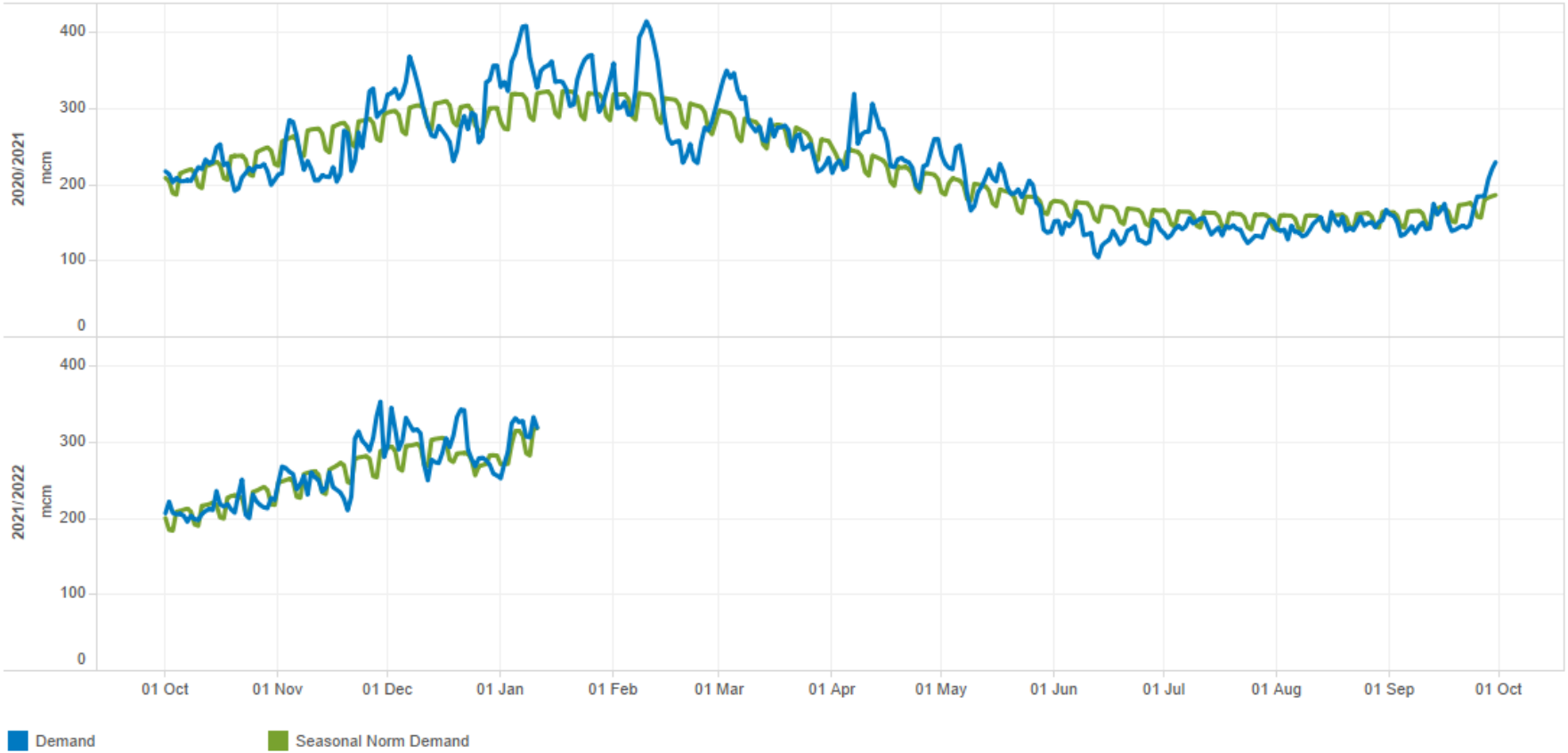


Demand – CWV & Components

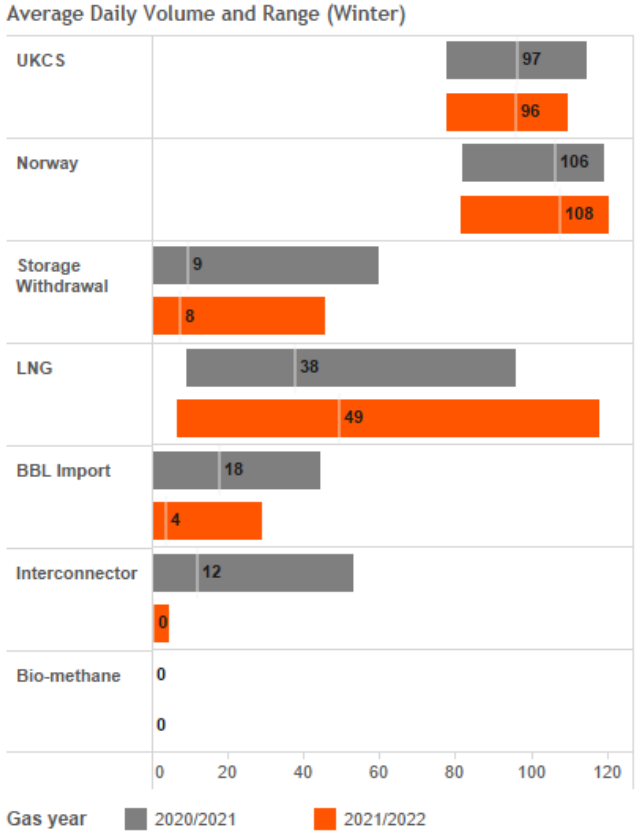


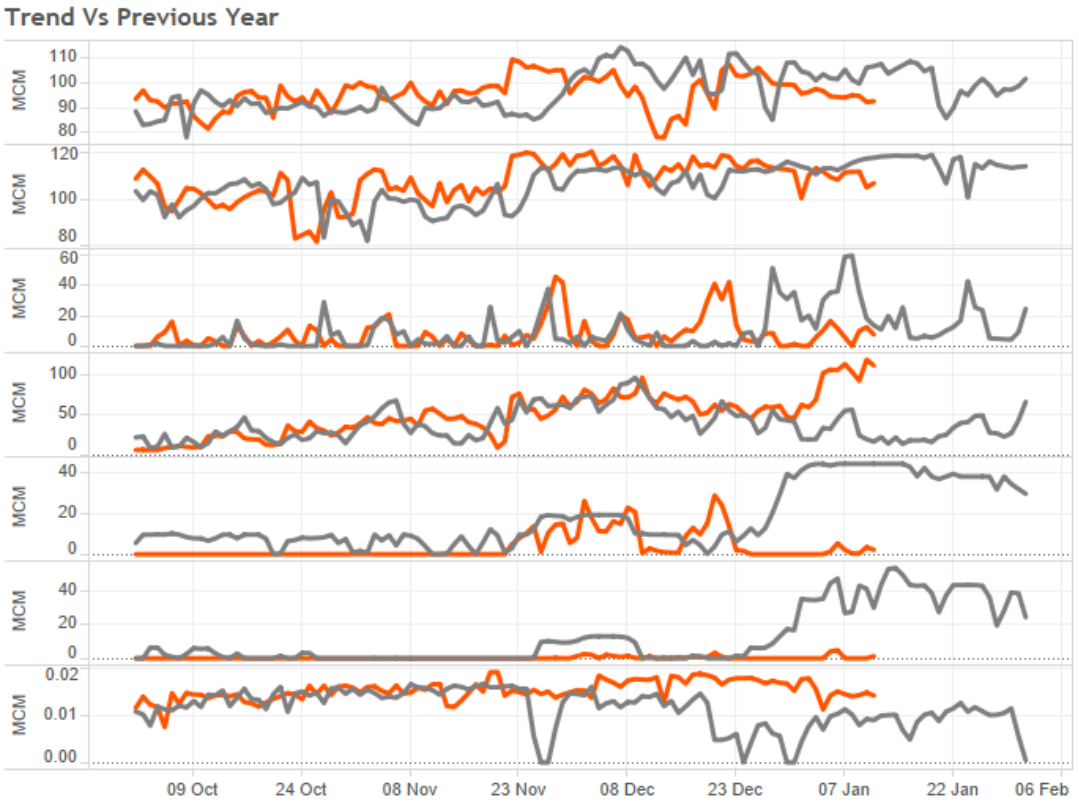


Demand – Comparison to seasonal norm

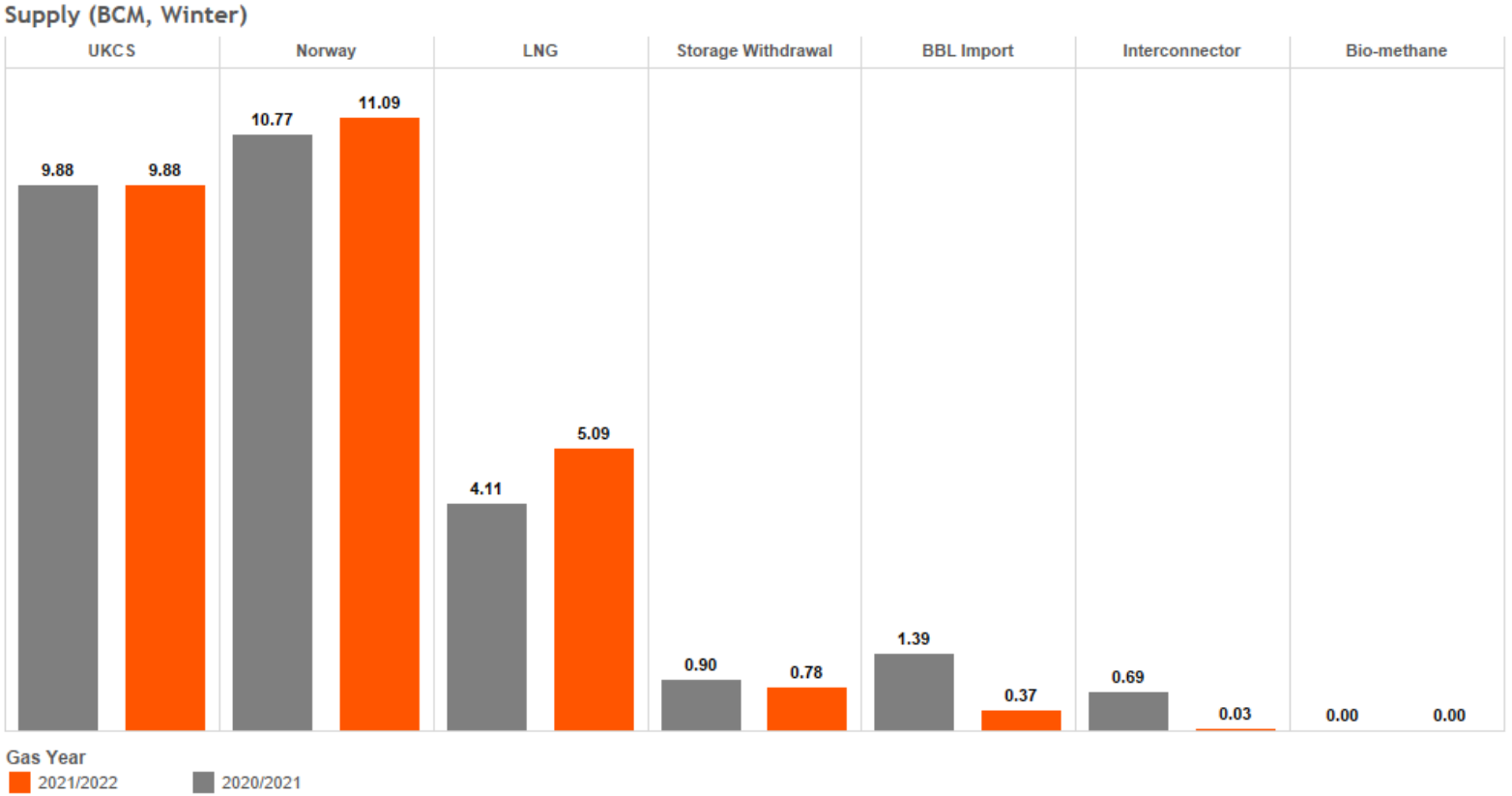


Components of NTS Supply



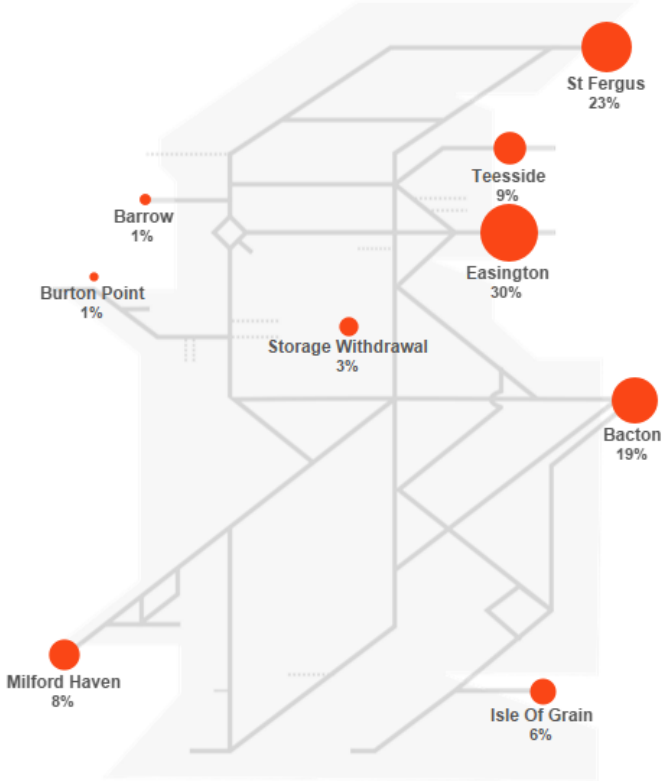


Supply - Components

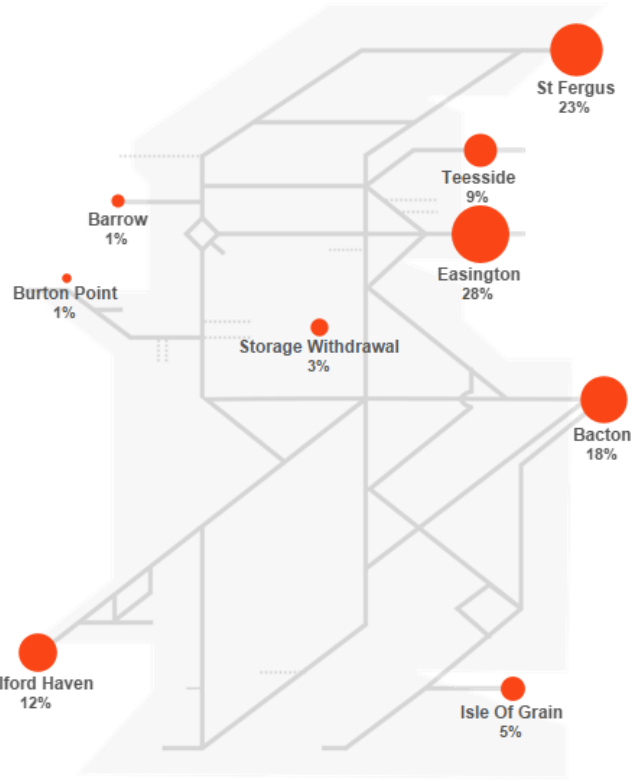


Supply Location

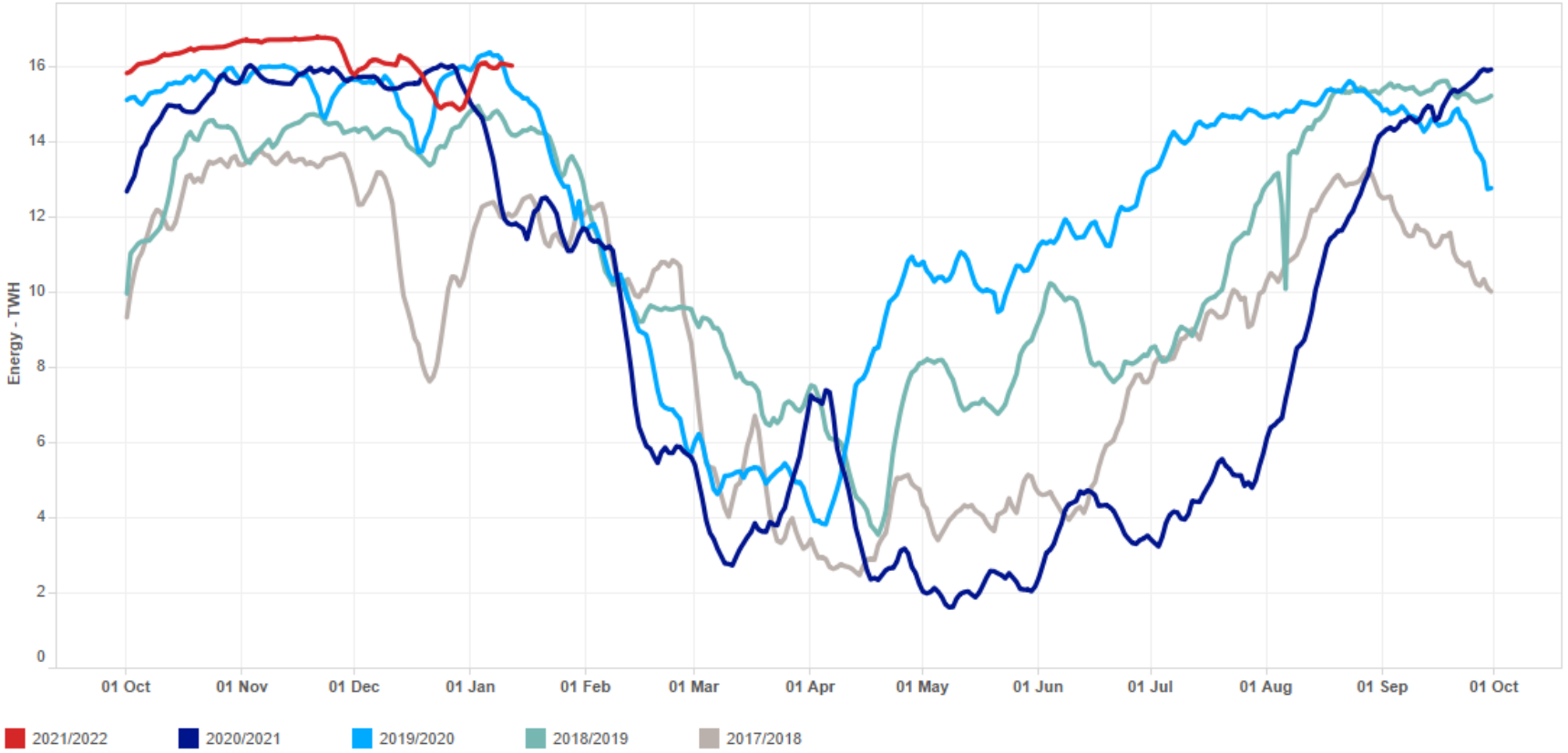
2020/2021 Percentage of total supply (Winter)



2021/2022 Percentage of total supply (Winter)



Medium Range Storage Stocks (MRS)



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Interesting Days – New Year

Martin Cahill
Senior Operational Liaison Officer

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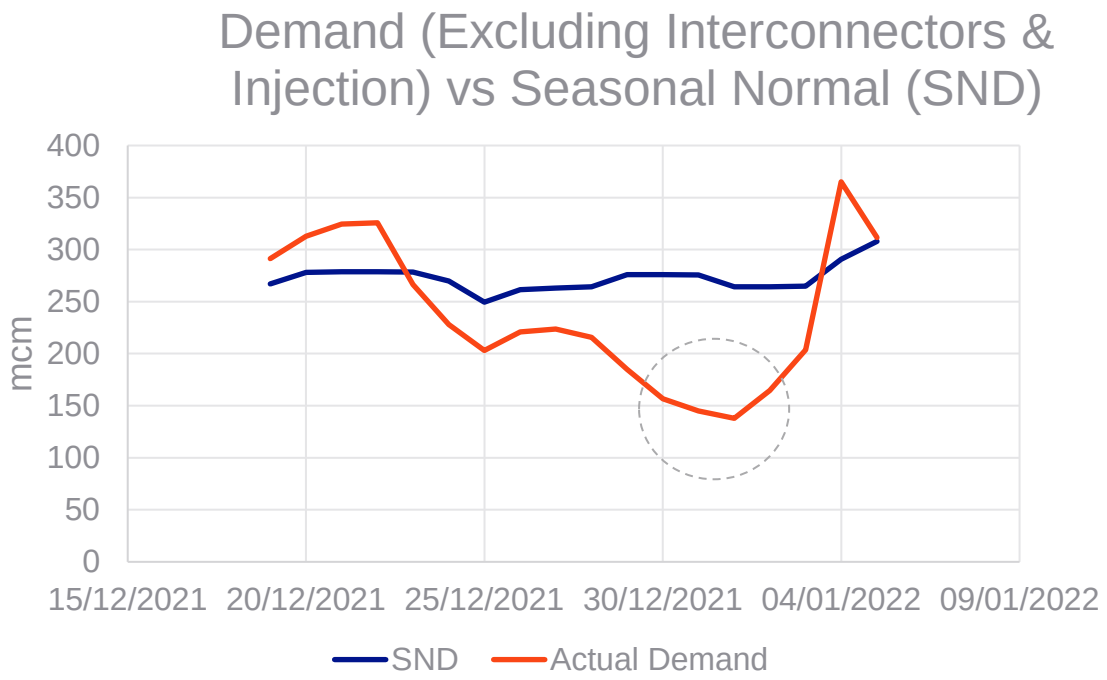
Background – Extremely Low Demand



Unusually mild weather reduced demand significantly

This was combined with demands also being slightly lower over the holiday period

Supplies (particularly from LNG & Norway) have remained high

Composite Weather Variable

Temperature explains most of the variation in LDZ demand, but a better fit can be obtained by including other variables. The combination of temperature and other weather variables is called the Composite Weather Variable (CWV).

CWV takes into account not only temperature, but also wind speed, effective temperature and pseudo seasonal normal effective temperature, and is a single measure of weather for each LDZ.

The National CWV for New Years Day was the highest in December, January and February throughout the last six winters.

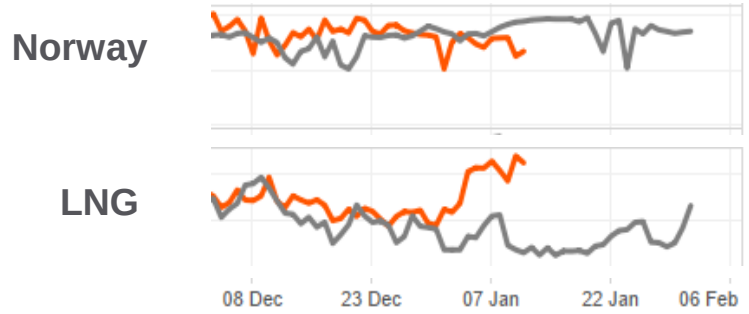
Highest CWVs in December, January and February (last six winters)

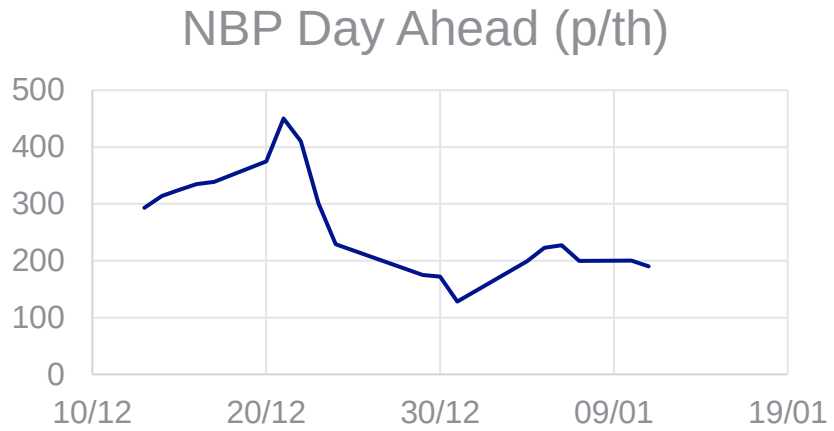
Date	CWV (National)
01/01/2022	9.3736
31/12/2021	9.3236
02/12/2018	8.7287
30/12/2021	8.5694
23/02/2019	8.2078
27/02/2019	8.187
26/02/2019	8.1441
21/02/2019	8.1363
02/01/2022	8.0944
22/02/2019	8.0091

Supplies & Prices

Both Norway and LNG supplies remained in a high range for the time of year, despite lower demands.

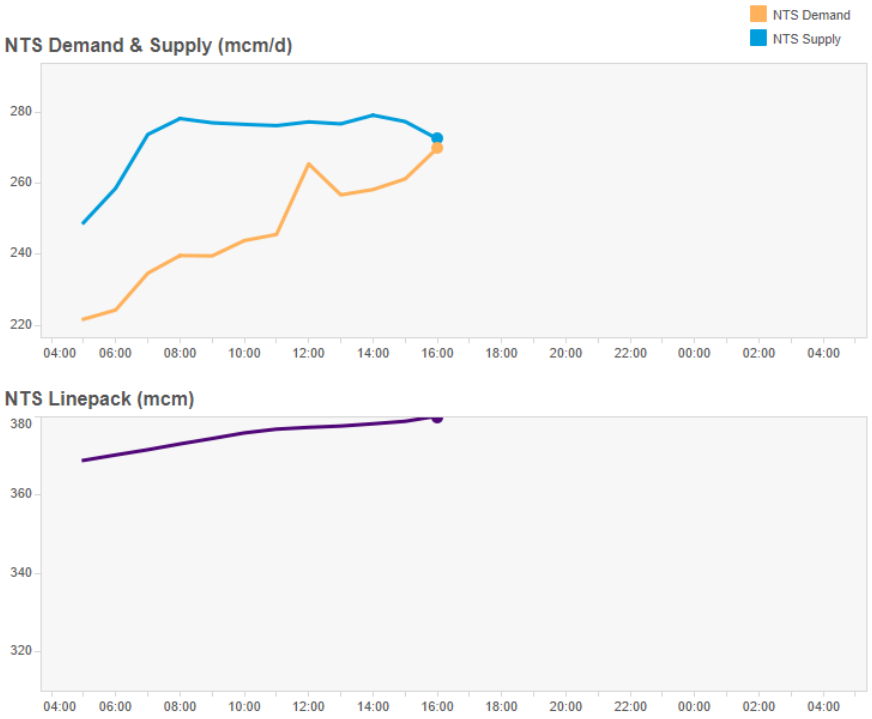
Day Ahead Prices had already started to drop in comparison to record highs in December.

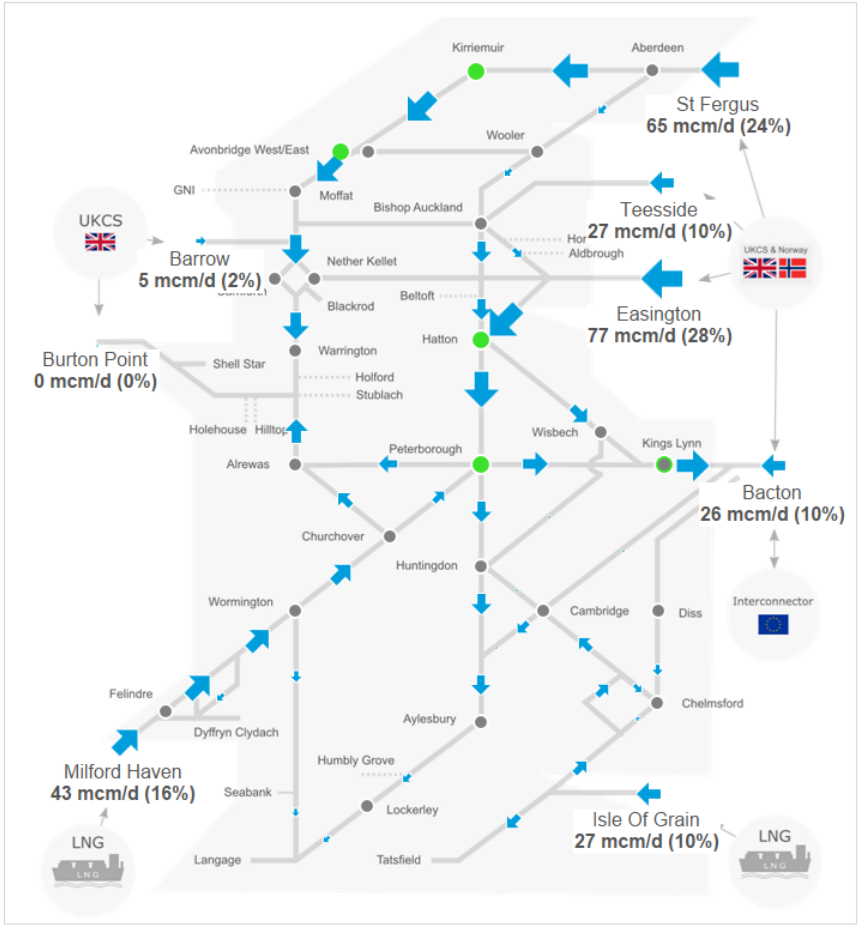




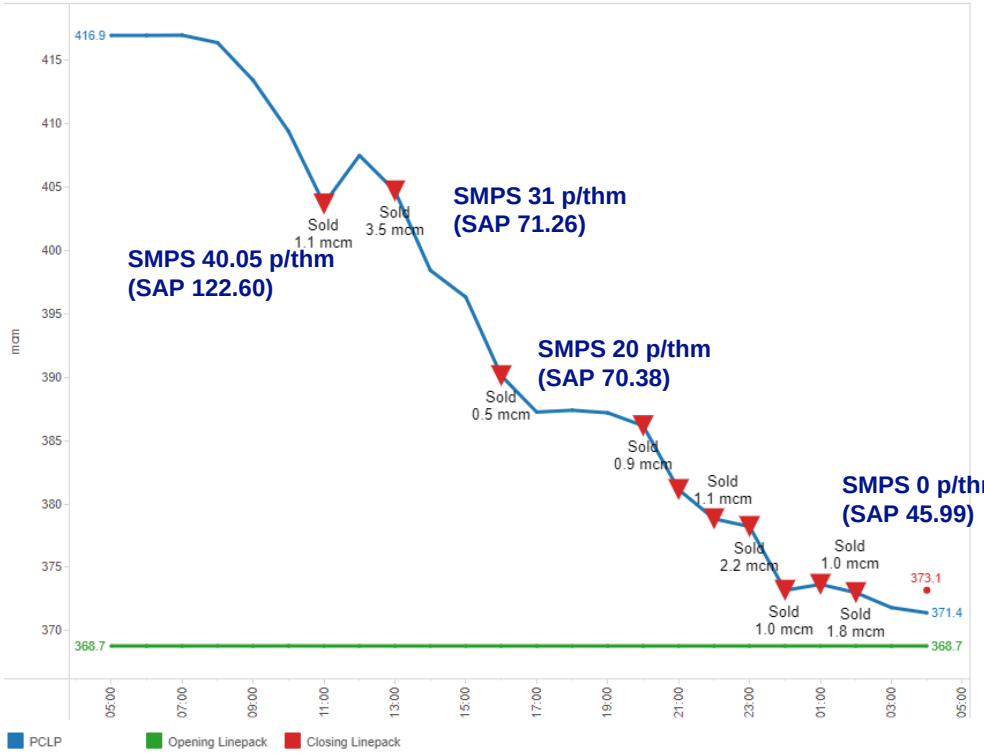
Supply Map

Supply was higher than Demand into the afternoon



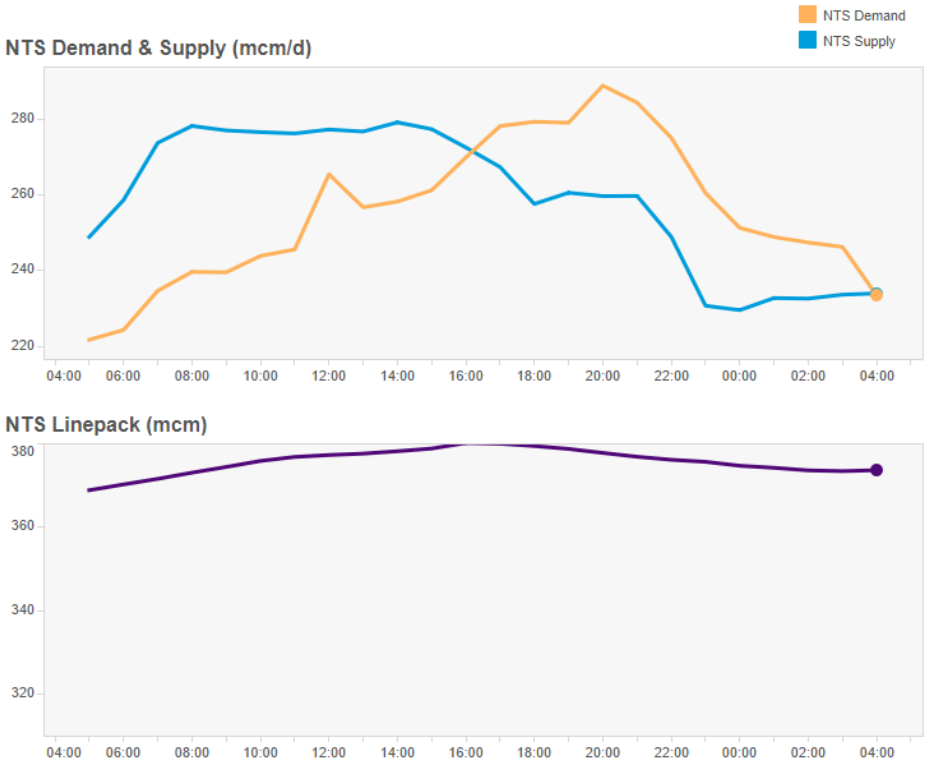


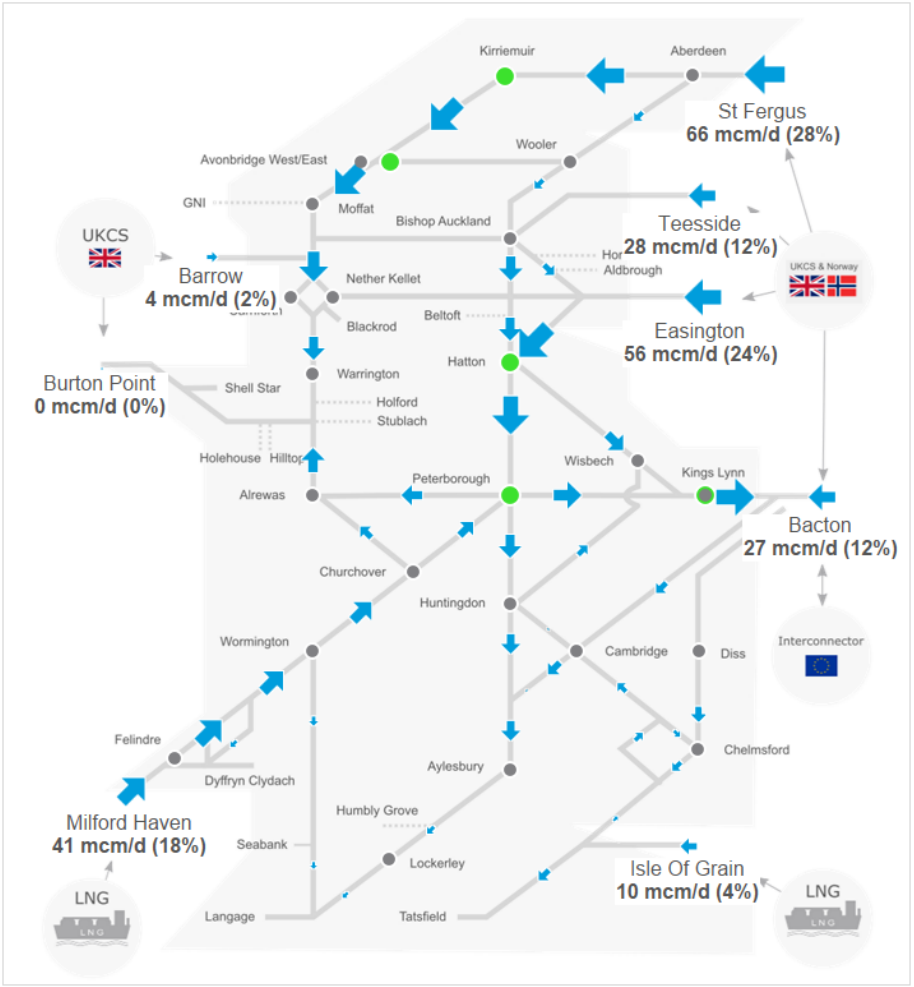
Within Day Balance and Trading



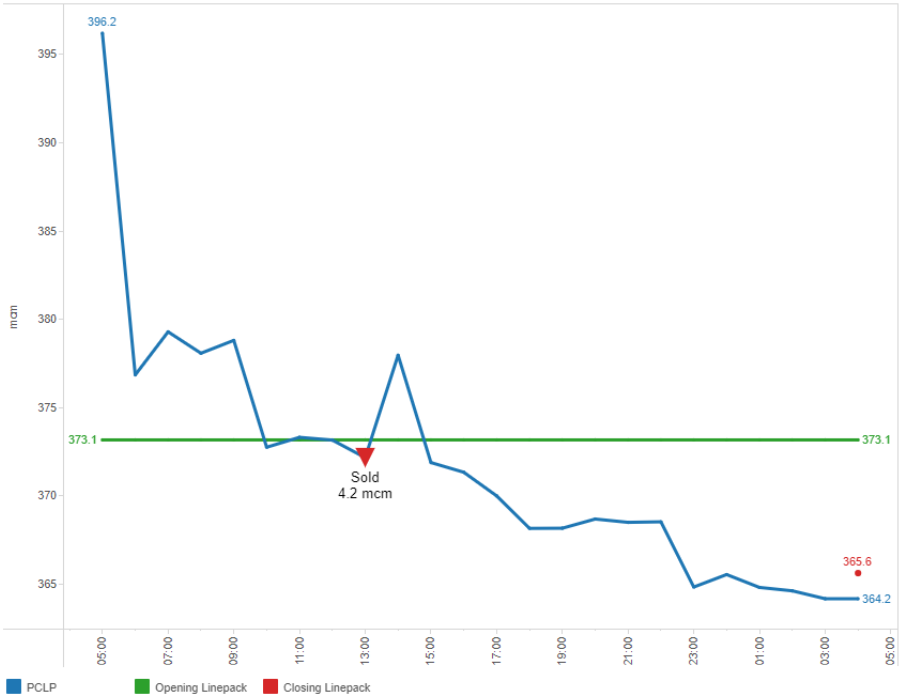
- Heavy imbalance across the day
- Traded down to 0p/therm
- Reaction from Beach Supplies, Storage and LNG
- After actions there was still a gain of 4.4mcm

Supply Map - EOD





Following Day – 2nd Jan



- Further sell action in early afternoon to prevent an increase in Linepack
- CCGT and MRS injection later in the day moved Linepack lower
- OCM traded up during the day, closing at a similar price to Jan 2020

Gas Transmission

Interesting Days – Milford Haven Actions

Martin Cahill
Operational Liaison Lead

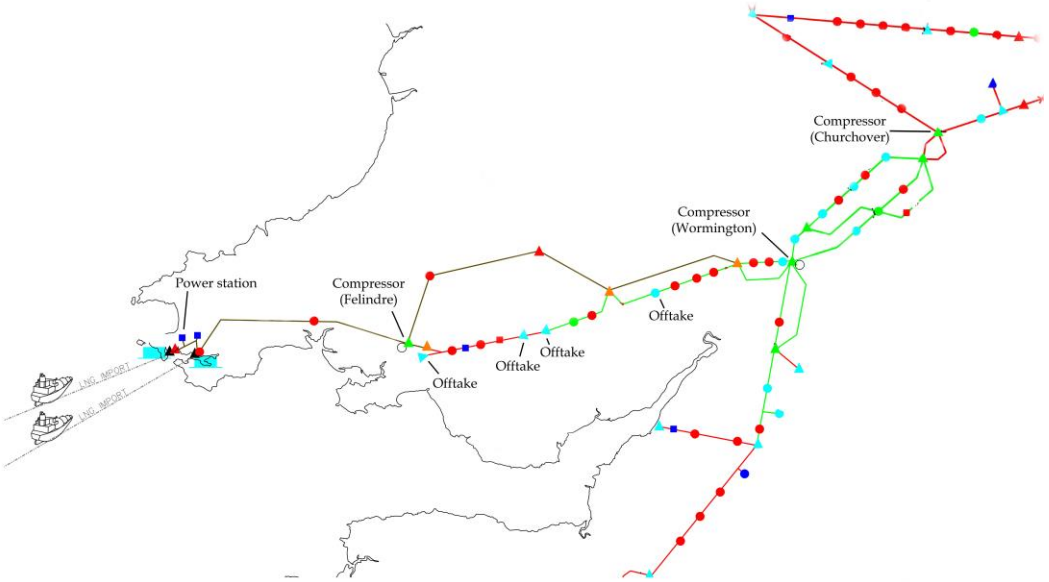
Alison Tann
NTS Capacity Manager

nationalgrid

South Wales Network

NTS was adapted to connect and transport the gas arriving from the Milford Haven ASEP

- **South Wales was originally an NTS extremity terminating at Dyffryn Clydach and was designed to flow East to West.**
- **New 94barg pipeline added to connect the terminals in addition to new compression and flow reversals.**
- **The South West system has three different pressure tiers (94, 75 and 70barg) and requires three large pressure reduction stations**
- **Gas can travel many 100's kms into the NTS**

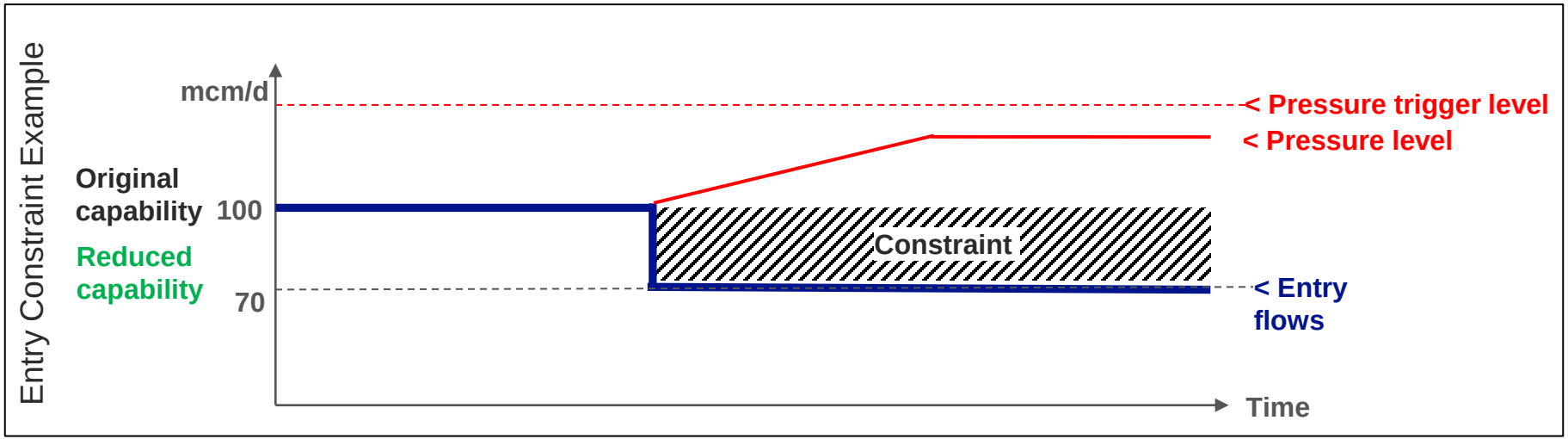


What is a capacity constraint?

A restriction affecting part of the system which results in the gas flow being constrained

How do we identify a constraint?

The GNCC continually monitor the network to assess expected flows against network capability. In the scenario below where capability reduces (e.g. due to plant issues) and a constraint is forecast, actions are taken in a timescale to prevent pressure trigger levels being reached.



Locational Energy Actions for Constraint Management

National Grid may trade gas at specific NTS Entry and Exit locations in the management of NTS constraints

Aim: Increase or reduce actual flow rates without affecting capacity entitlements

Primary and Secondary Locational action cost/revenue is calculated on a daily basis and processed through capacity neutrality based on individual firm entry capacity holdings.

- National Grid requests market participants to post bids to buy or offers to sell gas at specific ASEP(s), or NTS Exit Point(s).
- National Grid accepts bids/offers based on factors including the cost, location and lead-time in line with the System Management Principles Statement (SMPS).
- In the event that taking Locational trade(s) affects the national imbalance, we may have to take a secondary action elsewhere and in the opposite direction of the primary one. Any secondary action would be for a volume equal to or less than the primary trade.
- A Contract Renomination is required following acceptance of a Locational bid/offer, by the later of D-1 19:00 or 60m after the trade has been notified, and no later than 03:00 D. *UNC TPD Section D, 2.2.1 (h)*
- If a Contract Renomination is not submitted, or non-compliant, a Physical Renomination Incentive (PRI) Charge is applicable. This is calculated as the greater of the Trade Nomination Qty x 0.005p/kWh, or £200. *UNC TPD Section D, 2.3.7-8*

In line with Constraint Mgt incentive principals, bids/offers for Locational Actions, or Buy Back offers are only accepted where this is expected to help alleviate the physical constraint

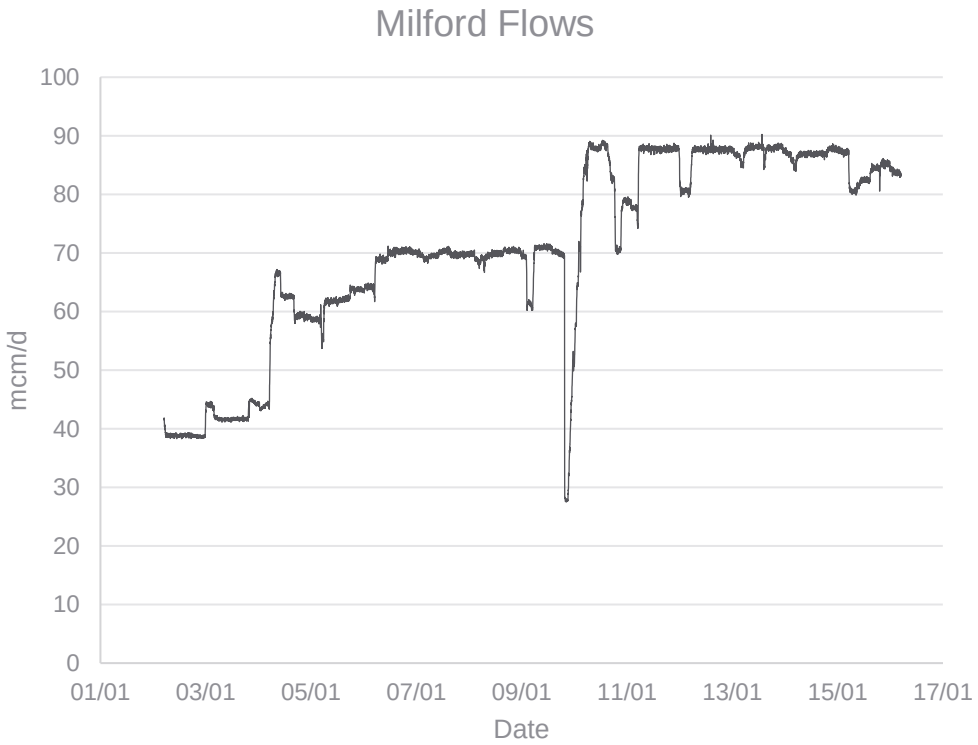
Milford Flows

Baseline capacity at Milford is 950 GWh/day (around 86mcm)

There have been recent days when flows have been very close to this

NG are incentivised to build efficiently and not gold-plate

Date	Total Flow (GWh)
10/01/2022	883.7
11/01/2022	931.3
12/01/2022	944.3
13/01/2022	943.2
14/01/2022	938.9
15/01/2022	893.7

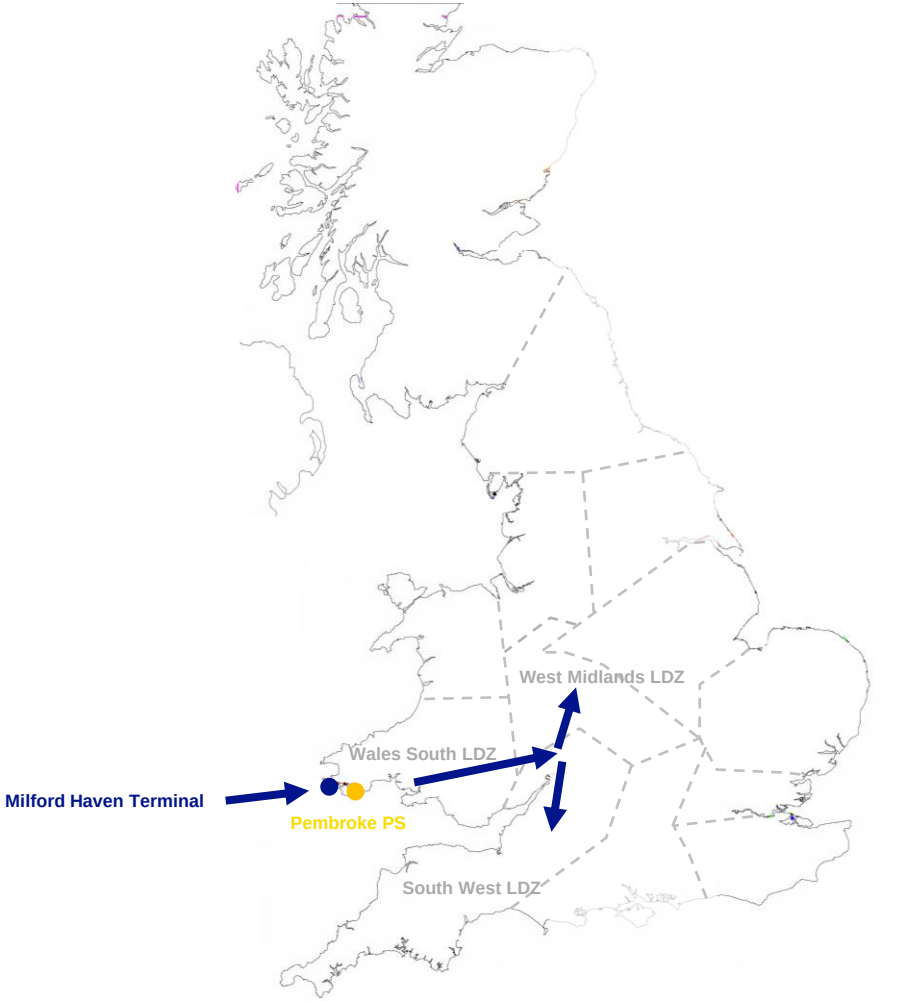


Action Summary

Date	Locational (Sell) - kWh	Locational (Buy) - kWh	Title (Sell) - kWh	Title (Buy) - kWh
09/01/2022				10579863
10/01/2022	43960650			
11/01/2022	13481266			
12/01/2022			2813482	
13/01/2022			2256647	

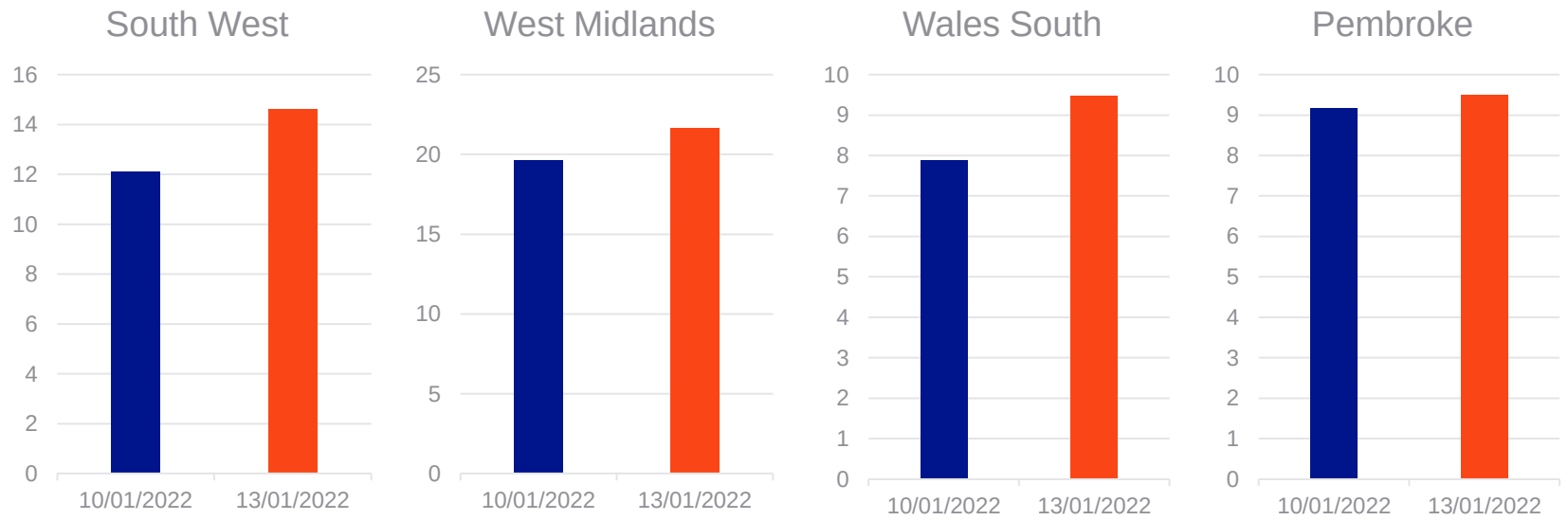
Supply & Demand in SW

- Gas travels east from Milford Haven Terminal
- Demand from LDZ and Direct Connects increases the ability to move large volumes of gas away from the terminal
- Pembroke Power Station is located nearby and can take large volumes of gas which helps with capability
- Demand from Wales South, West Midlands and South West all help to pull gas away

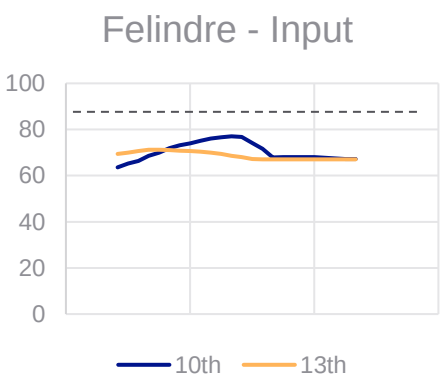


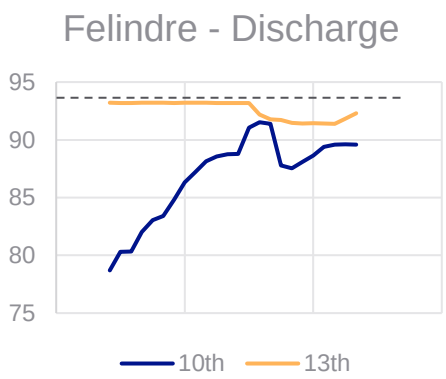
Demand Comparison

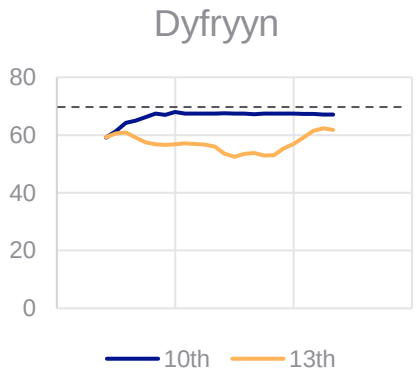
Higher demands on 13th contributed to a higher capability in comparison with the 10th

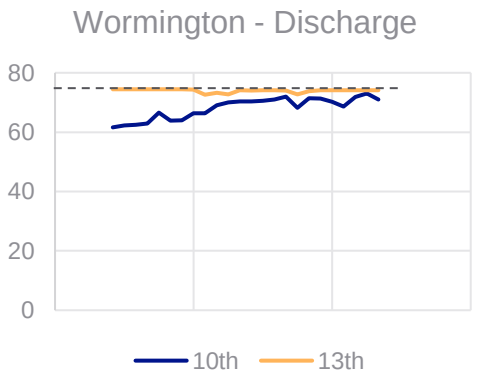


Network Pressures

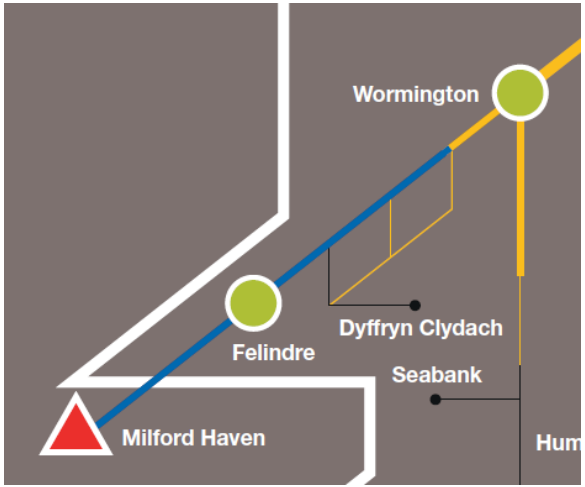






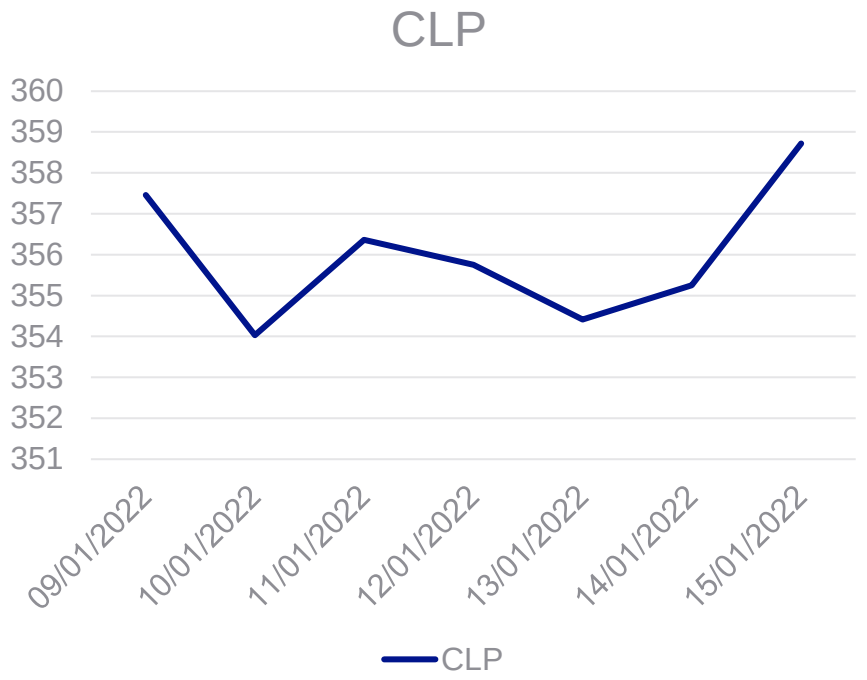


- **Wormington and Felindre trips throughout the day limited ability to move gas away on the 10th**
- **Blue pipeline = 94 Bar, Yellow = 75 Bar, Black = 70 Bar**



Secondary Actions and Linepack Balance

- On the 10th and 11th Linepack either increased or remained balanced
- This meant that there was no requirement for any secondary locational actions to rebalance the system



Gas Transmission

Bacton exit capacity situation overview

Alison Tann
NTS Capacity Manager

nationalgrid

Bacton export - situation overview

- Following a statutory consultation by Ofgem regarding a single Bacton Exit Point, a Licence change was made (effective 15th December) to aggregate the Bacton exit baseline.

- To facilitate this, Modification 0785 was raised, and a system solution is being developed to support competing auctions. The system changes are complex - Capacity, Energy Balancing and Invoicing areas require change.

- As an interim measure*, from gasday 15th December, the Bacton exit capacity baseline was pro-rated based on each TSO's technical capacity.
- For gasdays 30th Dec – 4th Jan, additional firm exit capacity (Non-Obligated) was released to support increasing export flows. This was in response to key criteria being met:
  - Sufficient system capability
  - Evidenced market need
  - Expectation of high export flows continuing

- On 7th Jan, BBL announced they were withdrawing short-term Bacton exit products. From gasday 15th January, the BBL baseline share was therefore reassigned to IUK to prevent any sterilising of firm exit capacity.
  - Change communicated to key parties on 14th Jan
  - Pro-rated position currently applies for 1st Feb onwards (eg Rolling Monthly auctions)
  - We are continuing to monitor the situation

** The system solution to allow competing Exit auctions at Bacton is currently in development, due for implementation beg-Mar*

Gas
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Regulatory Update

Malcolm Montgomery
Senior Codes Change Lead

nationalgrid

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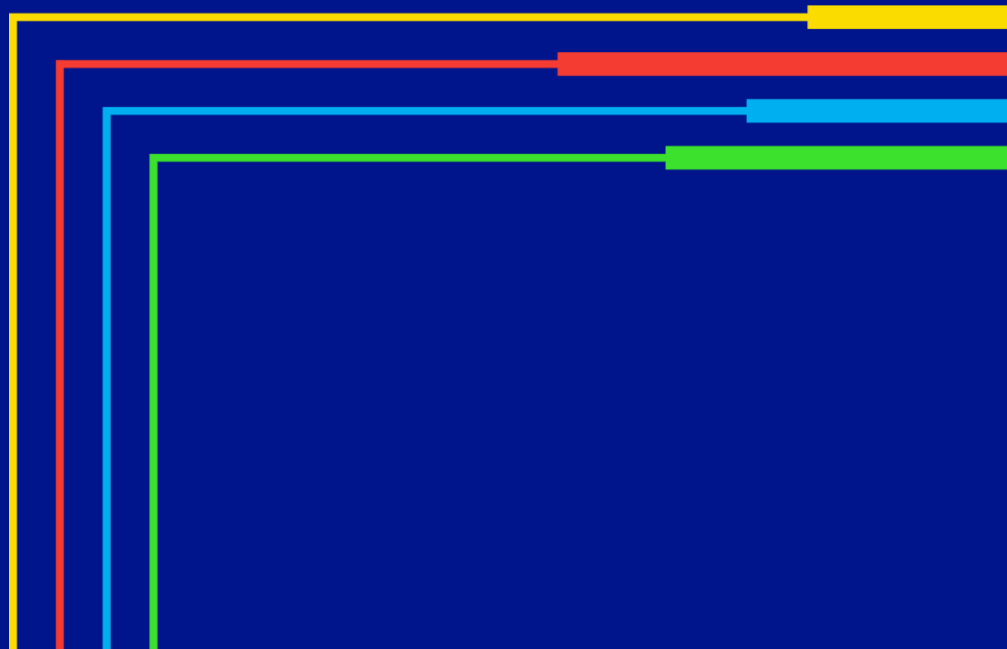
NTS Regulatory Update



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Balancing / General

Minimising market impacts of shipper terminations:

- **UNC0788: Minimising the market impacts of a "Supplier Undertaking" operation.** Implemented 01 Nov 21
- **UNC0789: Energy Balancing Arrangements during the operation of a supplier undertaking to Transporters.** Withdrawn 17 Nov 21
- **UNC0791: Contingency Gas Procurement Arrangements when a supplier acts under a deed of undertaking.** Awaiting Ofgem decision

UNC0771S: Removal of the absolute requirement to include a Remotely Operable Valve (ROV) Installation for all new NTS Entry connections. At workgroup

Capacity

- **UNC0779S: Introduction of entry capacity assignments** Next Step: Panel review: 20 Jan 22
- **UNC0798: Enablement of Exit Assignment Process at Interconnectors.** At workgroup
- **Exit Capacity Release (ExCR) Methodology** Consultation planned for Feb.

Approved – Awaiting implementation (Apr 22)

- **UNC0752S: Introduction of a weekly auction.**
- **UNC0755S: Enhancement of Exit Capacity Assignments.**
- **UNC0759S: Enhancements to NTS within day firm entry and exit capacity allocations.**

Charging

- **UNC0765: New retrospective debit and credit charges to reflect changes to the treatment of Entry Capacity Revenue between October and December 2020.** Awaiting Ofgem Decision
- **UNC0790: Introduction of a Transmission Services Entry Flow Charge.** Awaiting Ofgem Decision
- **UNC0796: Revision to the Determination of National Grid NTS Target Revenue for Transportation Charging.** at NTSCMF
- **FCC methodology review in advance of setting prices for Oct 22.** Consultation due in March

Interconnectors

UNC0761: Arrangements for Interconnectors with additional storage capability. At workgroup

UNC0785: Application of UNC processes to an aggregated Bacton (exit) Interconnection Point. Next step: Panel 20 Jan 22

UNC0786S: Amendment of the framework for the Bacton exit pressure service to interconnectors. Next step: Panel Decision 17 Feb 22

UNC0787S: Introducing amendments to the interconnection agreement with Interconnector Limited to reflect latest operational standards and practices. Next step: Panel Decision 17 Feb 22

Gas Quality

- **UNC0780 - Amendment to Gas Quality NTS Entry Specification at the St Fergus SAGE System Entry Point.** Next Step: Panel Review 20 Jan 22
- **UNC0793 – Determination of Charging area CVs** at workgroup
- **UNC0794S – Obligation for DNOs to Continue Provision of Gas Composition Information to National Grid NTS.** at workgroup

Further updates in next section:

- GS(M)R review
- NTS specification for mercury

Gas Markets Plan (GMaP)

Hydrogen

- Exploring the role Guarantees of Origin could play in the H2 market. Conclusions report to be published Q1 2022
- Project Union – exploring repurposing of the NTS to provide a H2 'backbone'. First working meeting on 26th January.
- Hydrogen Deblending project – exploring market issues relating to implementing H2 deblending technology. Ongoing workshops.

Exploring future gas quality information provision. initiation/scoping phase

Long Term Access Review (LTAR)

- Summary to November consultation can be viewed on our website
- UNC0705R is closed down, any ongoing issues picked up in LTAR.

NG Contacts for Market Projects

Name	Projects
Darren.Lond@nationalgrid.com	0788; 789; 791
Ashley.Adams@nationalgrid.com	0771S
Anna.Stankiewicz@nationalgrid.com	0752S; 0755S; 0759S; ExCR review
Daniel.Hisgett@nationalgrid.com	0779S; 798
Phil.Lucas@nationalgrid.com	0761; 0793; 0794S
Malcolm.Montgomery@nationalgrid.com	0785; 0786S; 0787S; Apollo
philip.hobbins@nationalgrid.com	0780; GS(M)R review; Mercury questionnaire
Susannah.Ferris@nationalgrid.com	GMaP - Hydrogen
Jonathan.Cranmer@nationalgrid.com	GMaP - Gas Quality Information Provision
Colin.Williams@nationalgrid.com	0761; 0790; 0796
Laura.Johnson@nationalgrid.com	FCC Methodology Review; GMaP – LTAR

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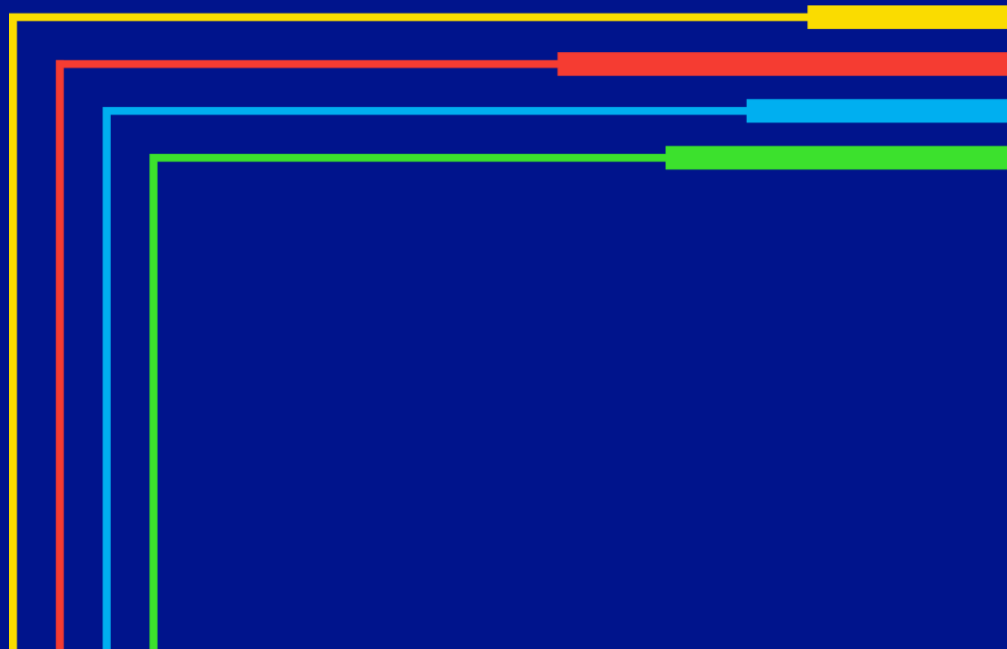
GS(M)R review



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Recap of IGEM's Proposals

Following industry consultation in 2020, IGEM recommended the following changes to the GS(M)R gas quality specification to the HSE:

- **Increase the upper limit for Wobbe Index from 51.41 MJ/m^3 to 52.85 MJ/m^3**
- **Reduce the lower limit for Wobbe Index from 47.20 MJ/m^3 to 46.50 MJ/m^3**
- **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**

IGEM also recommended that the specification be removed from the GS(M)R and placed into a new IGEM standard which GS(M)R would reference

HSE Review

HSE have now completed their review of the evidence case for change submitted by IGEM to support these proposals

HSE have informed IGEM that the following proposals will not be taken forward at this time

- **Increase the upper limit for Wobbe Index from 51.41 MJ/m^3 to 52.85 MJ/m^3**
- **Removal of Schedule 3 of the GS(M)R and replace with a new IGEM gas quality standard**

All other proposed changes to the gas quality specification have been accepted to progress to the next stage of the process

Next Steps

HSE will soon issue a public consultation on these proposals

An impact assessment will be published with the consultation containing HSE's rationale for these decisions and supporting analysis

If you wish to discuss anything in relation to the GS(M)R Review with National Grid please contact Philip.Hobbins@nationalgrid.com

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NTS Specification for mercury

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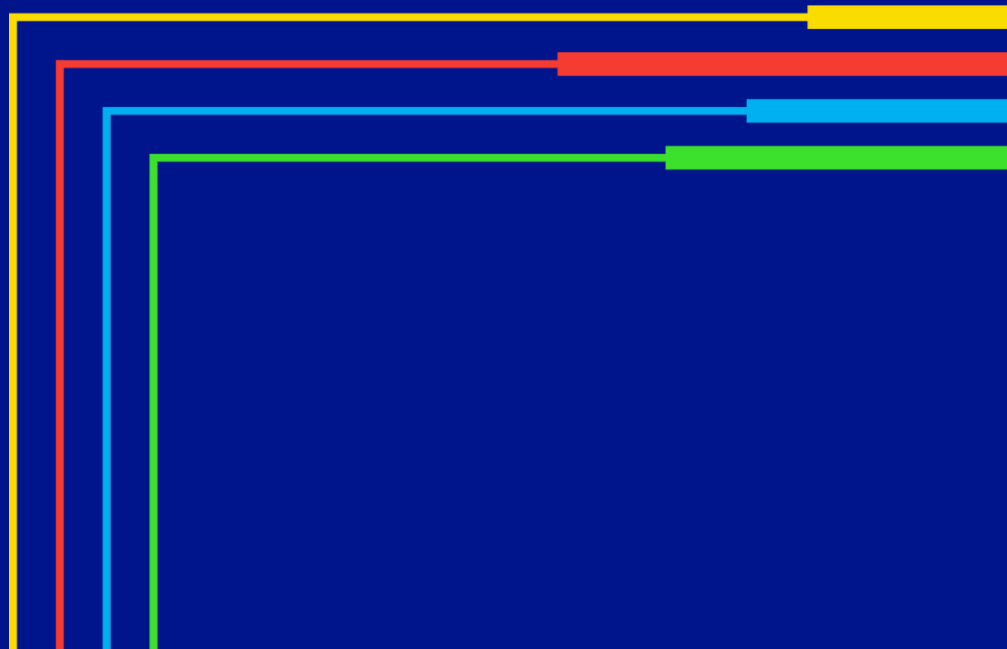

Background

- **Since the LNG storage sites closed, mercury content has not been a concern for NTS assets**
- **We have recently received enquiries from upstream operators about what level we would regard as acceptable**
- **Our understanding is that a limit of 10 µg/m^3 is typically specified for heat exchangers in industrial and power plant which are often constructed of aluminium alloys**
- **We therefore included a guidance limit in the latest Gas Ten Year Statement of 10 µg/m^3 although we do not at present specify a limit for mercury content in our connection agreements with NTS terminal operators**

GS(M)R Requirements

GS(M)R does not contain a specific limit for mercury content in natural gas

Rather it is included within the following statement on impurities

"[the gas conveyed] shall not contain solid or liquid material which may interfere with the integrity or operation of pipes or any gas appliance (within the meaning of regulation 2(1) of the 1994 Regulations) which a consumer could reasonably be expected to operate".

Proposed Next Steps

We are therefore interested to know whether mercury content in natural gas presents any risks to customers' operations downstream of the NTS and, if so, at what concentration

We propose to issue a short on-line questionnaire to the industry to obtain feedback and inform our next steps on this topic

For any queries, please contact either Philip.Hobbins@nationalgrid.com or nicola.j.lond@nationalgrid.com

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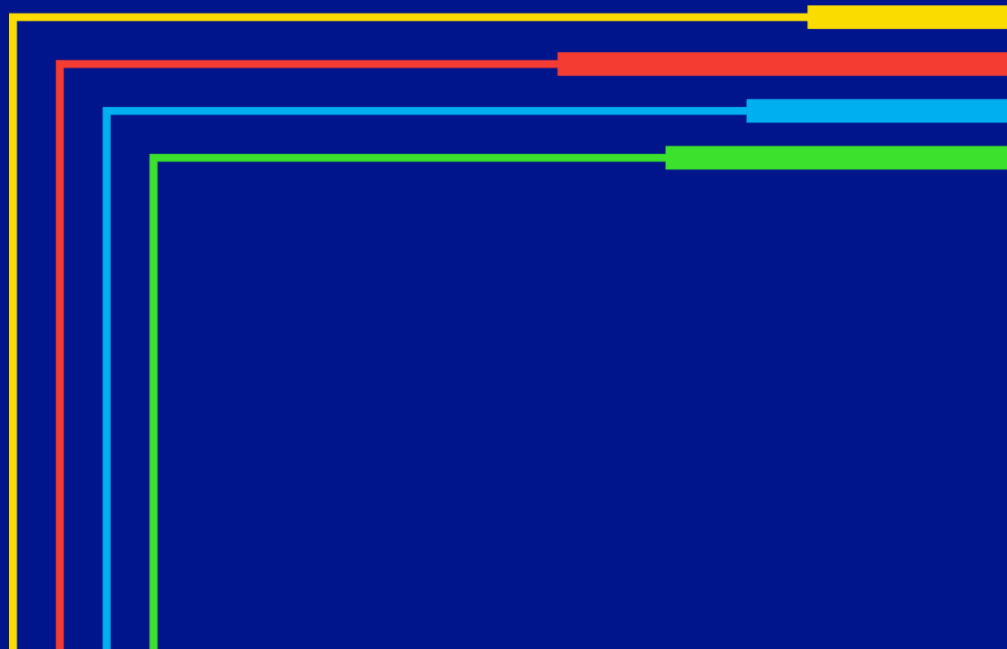
Apollo programme



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Contents

Background: Apollo Project

The maintenance of the gas network balancing and capacity technology system and performing related services are currently procured by NGG through a third party (Xoserve)

Gemini is the **main system** NGG uses to communicate **commercial information to/from shippers**

Gemini is an aging legacy system that is becoming increasingly difficult to change and expensive to maintain and operate.

We have completed **Request For Information (RFI)** from the open market to assess potential to replace Gemini and support services

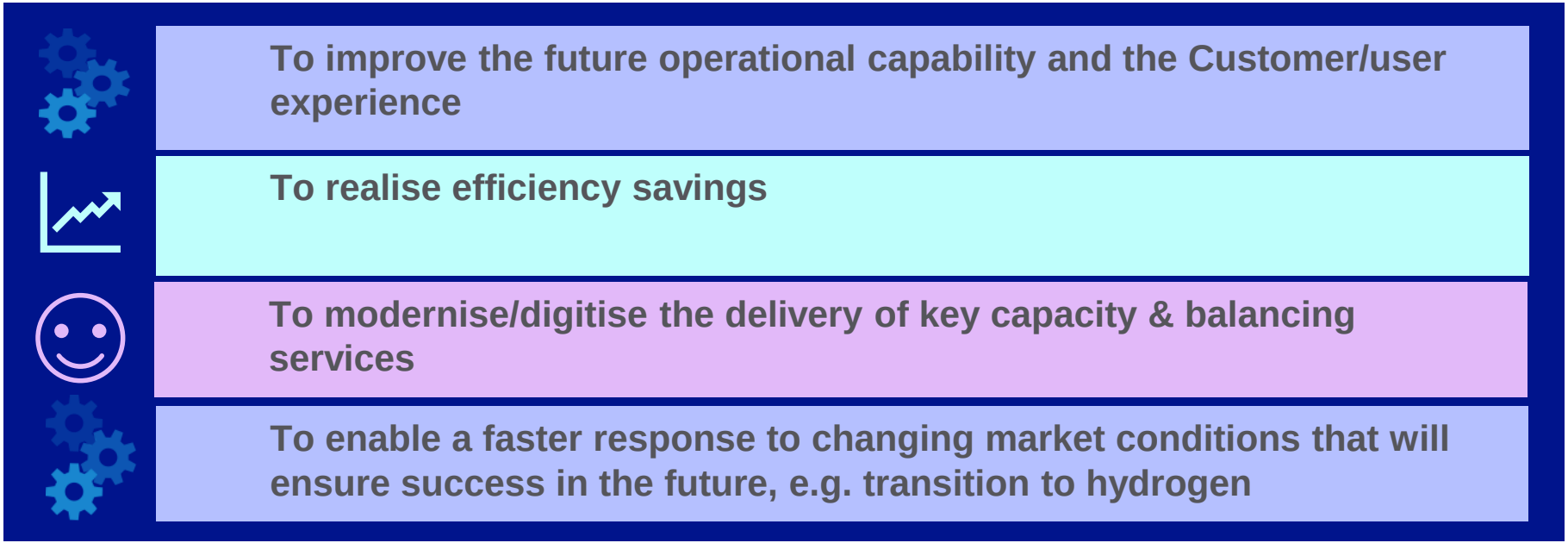
As a result we have initiated a **Competitive Tender Process** for supplier/solution selection

This process will identify the **best modern digital system to replace Gemini (** we are calling the new solution **Apollo)**

What is the Apollo Project

The purpose of the programme is to determine the future supplier(s) of the GSO's commercial gas transmission capacity and balancing services and systems.

Project Drivers: key business outcomes



Regulatory Impacts

Licence Changes

No impacts

UNC Modifications

Required to remove activities the CDSP are obligated to perform under code. This includes changes to Sections:

Section D (GTD)

Sections B,E,F,S,Y (TPD)

Code Contingency

DSC Modifications

Removal of the DSC Services and associated costs attributed for these (capacity and balancing) functions:

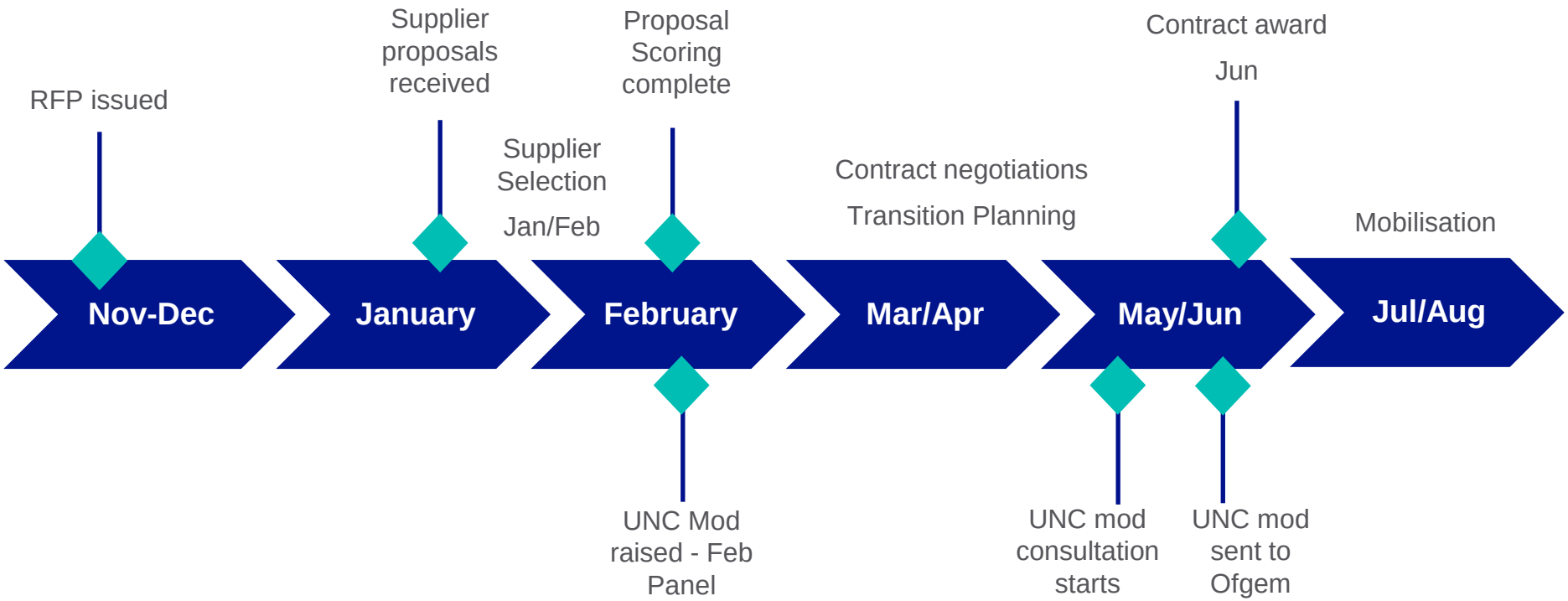
DSC Service Descriptions

Revised BP & associated Annual Charging Statement

Amendments to the UK Link Manual

Based on initial assessment

Apollo project timeline and milestones



Thank You

Any queries please email: the Apollo Project Team

Please email Mark.Barnes2@nationalgrid.com with any queries

Please email Malcolm.Montgomery@nationalgrid.com with any queries

Gas Transmission

Ops Margins Review

Glenn Townsend
Network Control Manager

John Cummins
Senior Contracts Officer

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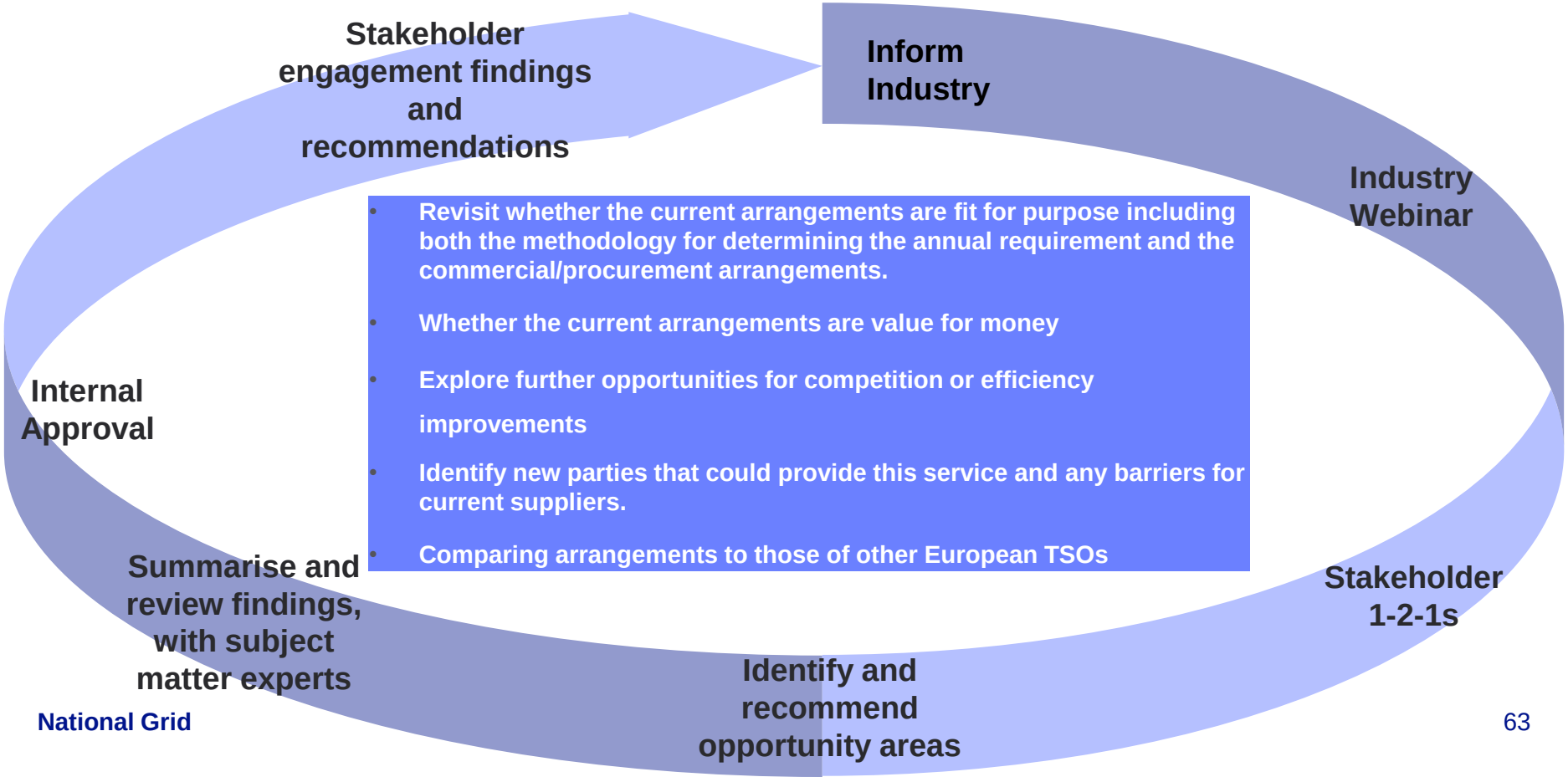
A Recap

- The current OM Methodology has been in place for many years, and was developed on the following assumptions:
    - NTS flow patterns had greater consistency annually
    - UKCS made up a greater proportion of the supply mix and subsequently flows were predominantly North to South.
    - There were fewer market development initiatives in both gas and electricity markets(such as gas Demand Side Response and development of the electricity Capacity Market) when the original OM process was put in place.
- The benefits to industry of a review of the OM process;
    - Costs associated with Operating Margins are on a pass-through basis and as such it is important to regularly review OM ensuring the process is still fit for purpose and is good value for money.
    - Discovery of further opportunities for competition or efficiency improvements, reducing cost to industry
    - Opportunity for you to become an OM supplier
- We would like this review to be industry led as the outcome affects all parties operating in the industry.

Scope and Approach of review



Recommendations/Feedback

Methodology – the way we calculate the volume required

External

- NG were best placed and trusted to determine the methodology
- updated methodology in the OM statement

Internal

- Biggest Supply loss – are we using the right credible scenarios

Recommendations/Feedback

Commercial and Contractual

- Development of ‘Winter only’ OM contracts, to reduce NGG’s expenditure over the summer when not all volume is required;
- Increase transparency of reporting, with more data around OM pricing;
- Review the viability of contracts at Interconnection Points, with a view to developing this for the 2023/24 tender should there be market interest;
- In the longer term, explore the potential for OM contracts with Distribution Networks

Conclusion

- Industry support conceptually for Gas Operating Margins
- National Grid viewed as best placed and trusted to determine its OM requirements, although some requests for increased clarity around our assumptions in the OM Statement
- Support for National Grid to trial a ‘Winter only’ service, currently being undertaken for the 2022/23 tender
- Support for increased competition in the market by reviewing scope for Interconnector contracts, and in the longer term looking at barriers to entry for Distribution Networks.

Gas Transmission

ECQ Webinar

Heleena Chauhan
Emergency & Incident Frameworks Officer

Tom Wilcock
Emergency and Compliance Manager

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Emergency Curtailment Quantity (ECQ) Webinar

An industry webinar event sponsored by the E3C Gas Task Group, to examine and assure preparedness for the restoration of the gas network following an NGSE, with key focuses on:

- Highlighting the emergency stages through to Restoration (Stage 4)
- Outlining the National Grid ECQ process
- Informing on the Local Distribution Zone (LDZ) ECQ process
- Providing information on P70 forms
- Post Emergency Claims (PEC)

The event will be held on **March 10th 2022 (10:00-12:00)**

Please register by visiting **Eventbrite**

Exercise Disrupt

A series of industry events, sponsored by the E3C Gas Task Group, to examine and assure preparedness for the restoration of the gas network following an NGSE, leading up to a full simulated exercise in July 2022

- Industry Workshops Jan-Feb 2022
  - Major and Intensive Energy users (complete)
  - Network Entry Facilities (complete)
  - Shippers (26th Jan 12:30)
  - Electricity Generators (Gas Fired) (26th Jan 14:00)
- ECQ Workshop Feb 2022
- Tabletop Exercise Mar-Apr 2022
- Process Enhancements Jun 2022
- Simulated Exercise ‘Disrupt’ July 2022

To sign up, type:

‘restoration of the gas network following an NGSE’

into the search bar at Eventbrite.com and select the session relevant to your area.

Gas Transmission

Gemini Regulatory Change

Joshua Bates
Operational Liaison Manager

nationalgrid

Implementation of NTS Capacity related UNC Modifications 0752S, 0759S, 0755S and 0785

There is ongoing work to deliver the associated Gemini system changes required to implement the following 3 Modifications late April 2022. The Change Pack has been issued on 17th January 2022. Please view details on the following January Change Pack (xoserve.com)

UNC0752S	**Introduction of Weekly Entry Capacity Auctions**
UNC0759S	**Enhancement to NTS Within-Day Firm Entry and Exit Capacity Allocations**
UNC0755S	**Enhancement of Exit Capacity Assignments**

Work has also commenced on UNC0785 and it is anticipated that related system changes for competitive auctions will be available for day ahead auction on 28th February 2022 for Gas Day 01st March 2022.

UNC0785	**Application of UNC processes to an aggregated Bacton (exit) Interconnection Point**

Communications

For further information please visit:

- XRN can be found here: **XRN 5393 | Xoserve**

- Xoserve website at **Gemini changes overview (xoserve.com)**

or contact Gas Market Change Team:

Anna.Stankiewicz@nationalgrid.com (UNC0752S, 0755S and 0759S)

Malcolm.Mongomery@nationalgrid.com (UNC0785)

Gas
Transmission

Gemini Sustain Change

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Single Sign on (SSO)

Overview of SSO – implementation date 24th April 2022

- The aim is to simplify the login for Gemini Online Screens, therefore creating a better User experience
- This change follows feedback from the industry about the current need for 2 sets of IDs and passwords (Gemini Citrix and Gemini Application) to log in to the Gemini system.
- It will deliver a single sign on experience with Multi Factor Authentication (MFA) method available over the internet
  - ✓ Along with self serve password reset ability
- This will remove the use of XP1 tokens following implementation

Current set of XP1 (RSA) Tokens:

- The current set of XP1 (RSA) tokens will expire on 28 February 2022. If you haven't received a new set of tokens, please contact customerlifecycle.spa@xoserve.com as these are required until SSO Go Live

User Trials Invitation

We would like to invite all Gemini Users to participate in the User Trials for the Single Sign-on change, which will take place 28th February 2022 to 25th March 2022.

- As connecting to Gemini is key to Users we would encourage you to participate in this testing.
- If you would like to participate please email Geminichanges@correla.com to register your interest, no later than 9th February 2022.

We will then need confirmation of the current Gemini production ID you use no later than 14 February 2022, to be able to set up your testing account.

- It would be useful for interested Gemini Users to follow this webpage for updates for this change

Gemini Single Sign-On change (xoserve.com).

Gas
Transmission

Updates

Joshua Bates
Operational Liaison Manager

nationalgrid

Shaping the gas transmission system of the future

Why?

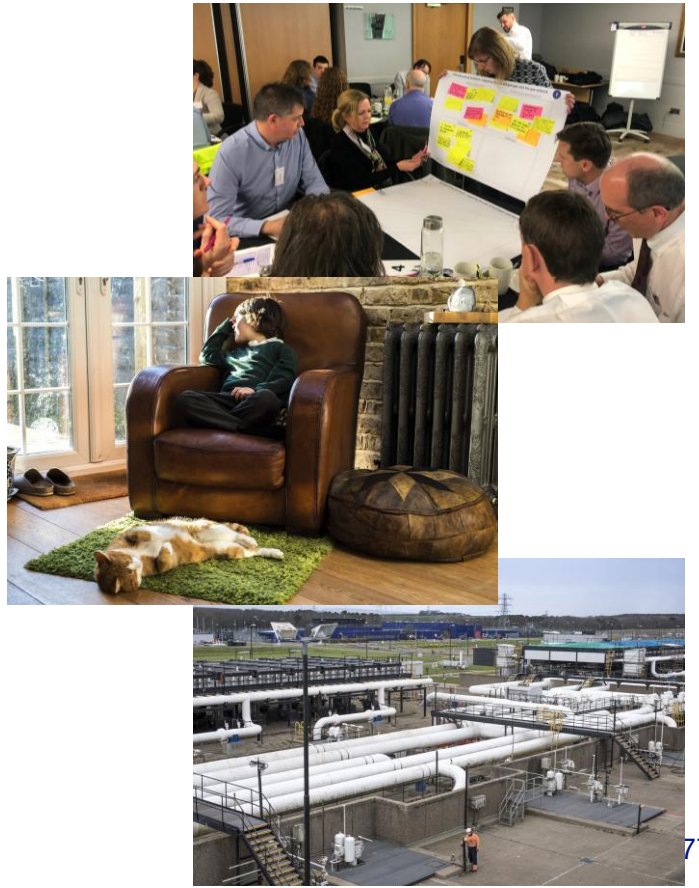
- We are committed to undertake a **stakeholder-led decision making** approach. As part of this, in addition to our continuous engagement, we hold **annual engagement** to bring everything together for stakeholders. This allows a holistic conversation in one place.

What?

- A month long programme of **interactive webinars** and **roundtables** designed to get stakeholder **insight** across all our stakeholder priorities

When?

- The webinars took place in November and December, and are now all available to watch back



Shaping the Future

https://www.nationalgrid.com/uk/gas-transmission/about-us/business-planning-riio/stakeholder-groups/have-your-say-our-current-business-plans/events

Shaping the gas transmission system of the future - Key note speech

Future of Gas

Innovation – broadening the horizon

Gas Market Plan

Transitioning to a hydrogen backbone

Managing methane emissions

Supporting regional hydrogen transitions

Understanding the skills needed for a net zero world

Digital Strategy and Information Provision

Operating the network

FutureGrid 2021 Progress report

Annual Network Capability Assessment Report

I have a query document

- The “I have a query” document is designed to make it as easy as possible for you to find the right contact details to help get your query resolved first time
- The document provides contact details for a wide range of possible query topics and we would encourage you where possible to contact the relevant teams for any queries you might have
- If you are not sure who the best contacts are for your query the Operational Liaison Team will be able to help point you in the right direction
- The I have a query document can be found on the National Grid Gas Transmission website or a direct link to it is available here: https://www.nationalgrid.com/uk/gas-transmission/document/124931/download

Gas Operational Forum

Throughout the year, we hold regular Gas Operational Forum meetings. The forum aims to provide visibility and awareness for our Customers and Stakeholders to help understand and discuss the operation and performance of the National Transmission System (NTS). We also proactively invite any suggestions for operational topics that would promote discussion and awareness. For more information or to register your interest, please get in touch.

Team contact: box.operationalliaison@nationalgrid.com / 01926 656 474
For escalation: Joshua Bates – Joshua.Bates@nationalgrid.com / 07790941158

Agenda Items in 2022

Please use the MS Forms link in the chat to let us know any suggestions for topics to cover in other Gas Operational Forums this year

Gas
Transmission

Close

Joshua Bates
Operational Liaison Manager

nationalgrid

Next Forum

The next Gas Operational Forum will take place on the 24 February

Please send any topic requests to:

Box.OperationalLiaison@nationalgrid.com

Register now at:

Online
https://www.eventbrite.co.uk/e/gas-operational-forum-february-2022-online-tickets-250681403827