

Gas
Transmission

Gas Operational Forum

WebEx

25 March 2021

9.32am

Slido

#GasOps21

nationalgrid



Gas Transmission

Introduction & Agenda



Joshua Bates
Operational Liaison & Business
Delivery Manager

nationalgrid



Presenters

National Grid

Joshua Bates – Operational Liaison and Business Delivery Manager

George Killick – Operational Strategy Engineer

Martin Cahill – Operational Liaison Lead

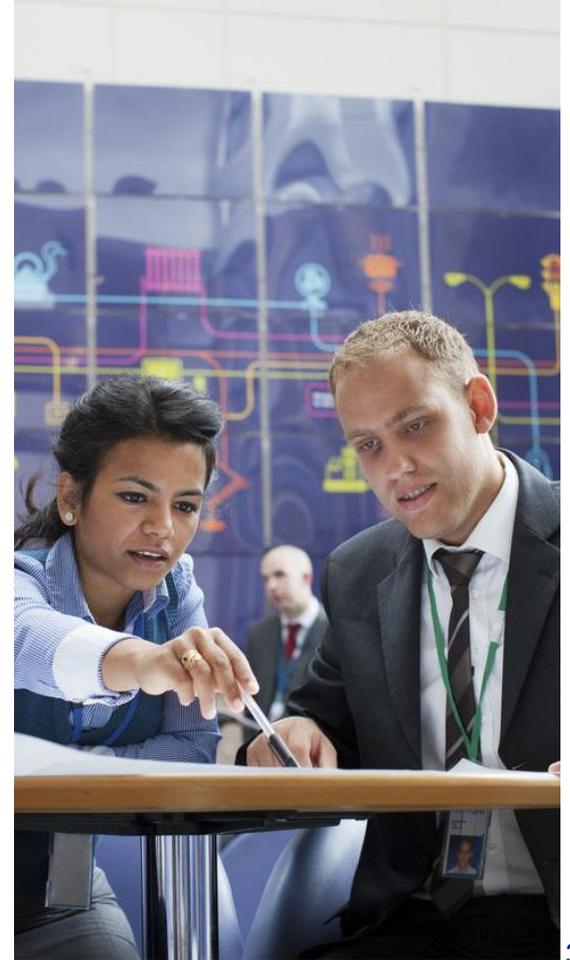
Mark Baker – Principle Capacity & Strategy Development Analyst

Colin Williams – Commercial Codes Change Manager

Alison Tann – NTS Capacity Manager

Interconnector (UK)

Ayan Bhattacharji - Business Intelligence and Marketing Manager



Calendar year 2021 Ops forums

All forums will be held via WebEx until at least June 2021

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Online	Online	Online	X	Online	Online	X	X	TBC	TBC	TBC	X
28/01	25/02	25/03		20/05	17/06			23/09	21/10	25/11	

**Registration is open for all
2021 events at:**

<https://www.nationalgridgas.com/data-and-operations/operational-forum>

Housekeeping for WebEx Forums

During our WebEx events;

- Attendees will be automatically muted on dial-in, please ensure your cameras are off too.
- You can ask any questions via sli.do and we will answer them at the end of each section. The meeting code is #GasOps21. Please do not send messages via WebEx as these will not be monitored during the session
- You can use the 'raise a hand' function on WebEx if you would like to speak and we will un-mute you.
- For both presenters and any verbal comments, please state your name and company before speaking.



Resources Available to you

Gas Ops Forums

Throughout the year, we hold regular Operational forum meetings. This 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.

Registration is open for all 2021 events at:

<https://www.nationalgridgas.com/data-and-operations/operational-forum>

Gas Distribution List

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

National Grid

Join the conversation

Registering for the site will enable you to access further content and take part in discussions and voting. We are keen to ensure that we hear the views of all market participants, and registration will help us to ensure that relevant content can be developed for discussion.

[Register for access](#)

For updates and interaction with National Grid please visit;

<https://datacommunity.nationalgridgas.com/>

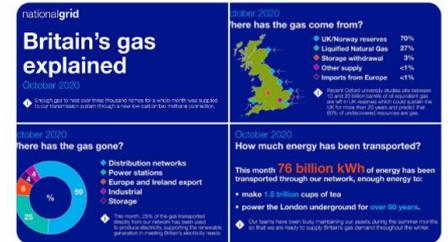
For the National Grid Gas Website, please visit;

<https://www.nationalgridgas.com/about-us>



National Grid UK @nationalgriduk · 6 Nov

During October, our gas network transported enough energy to make 1.5 trillion cups of tea - 76 billion kWh. A new low carbon #biomethane connection supplied enough gas to heat over 3000 homes.



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

Or follow our personal accounts on LinkedIn

How to contact us

Operational Liaison Team

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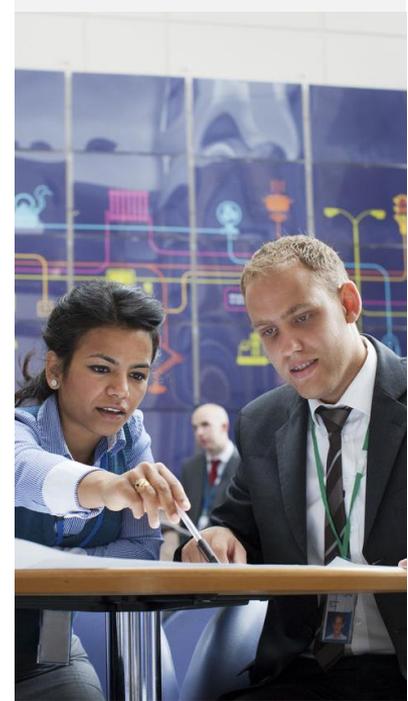
Martin Cahill: Martin.Cahill@nationalgrid.com

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For updates and interaction with National Grid please visit;
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For the National Grid Gas Website, please visit;
<https://www.nationalgridgas.com/about-us>

National Grid Ask questions at [slido.com](https://www.slido.com) #GasOps21



Agenda for Today

01	Welcome and Introduction	09:30
02	Milford Commercial Actions Update	09:40
03	Operational Overview	09:55
04	Interconnector (UK) Guest Presentation	10:05
05	Charging Update	10:35
06	IP Within Day Auctions February	10:55
07	Gemini System Change – Minimum Reserve Price	11:05
08	Updates & Close	11:15

Please ask any questions using slido #GasOps21 or by raising your hand.

These will be covered at the end of each agenda section



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Joining as a participant? # GasOps21

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Milford Commercial Actions Update



Martin Cahill
Operational
Liaison Lead



Alison Tann
NTS Capacity
Manager

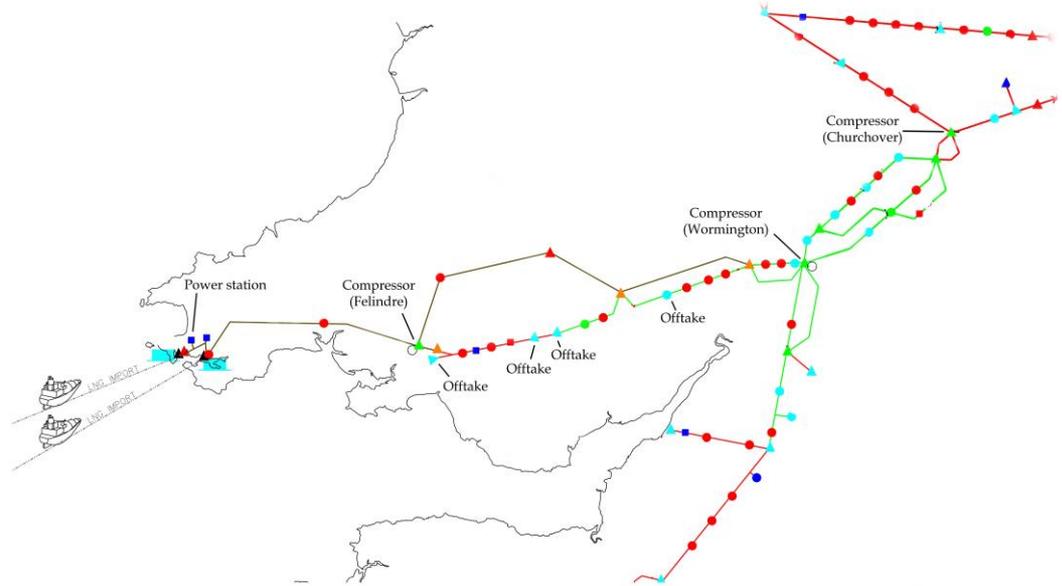
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South Wales Network

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

- South Wales 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 3 different pressure tiers (94, 75 and 70barg) and requires 3 large pressure reduction stations
- Gas can travel many 100's kms into the NTS



Milford Instantaneous Flows in March



- Particularly high Milford flows from South Hook and Dragon in recent days

Capacity & Capability

National Grid are obliged under its Licence to make available capacity, which at times may be beyond the levels of network capability.

The Constraint Management Incentive encourages National Grid to maximise the release of capacity whilst minimising the cost of constraints.

When operating the network at its maximum capabilities, all compressors are online and running, resulting in minimal redundancy and increased risk.

Both physical and commercial tools are used to reduce the risk on the network when operating near maximum capabilities.

Constraint risk continually varies seasonally, day to day and within day due to a number of factors;

- Demand - Lower DN and CCGT demand
- Supply - levels, period it is sustained for, profiling etc.
- Pressure - DN requirements, linepack and pressure fluctuations
- Plant - availability (planned and unplanned), trip location and timing, limits

Balancing Actions

Date	Sell			Buy	
	Locational (Milford)	Locational (Milford) (DA)	NBP Sell	Secondary Locational	NBP Buy
20/03/2021	5.41mcm				2.29mcm
21/03/2021	2.7mcm	2.7mcm		0.54mcm	
22/03/2021	1.35mcm				
23/03/2021	4.1mcm	2.7mcm			
24/03/2021	3.14mcm	2.7mcm			

- Secondary Actions (Buys at any location requested on 21st, 22nd, 23rd and 24th but offers only received on 21st**
National Grid has a requirement to buy locational gas. Shippers are requested to post offers on the OCM locational market at any location except Milford Haven (MH) and Exit Zones 14 and 17. NTS Exit Zones details can be found on <https://www.nationalgrid.com/uk/gas-transmission/data-and-operations/constraint-management>

Managing the Network – Physical and Commercial Tools

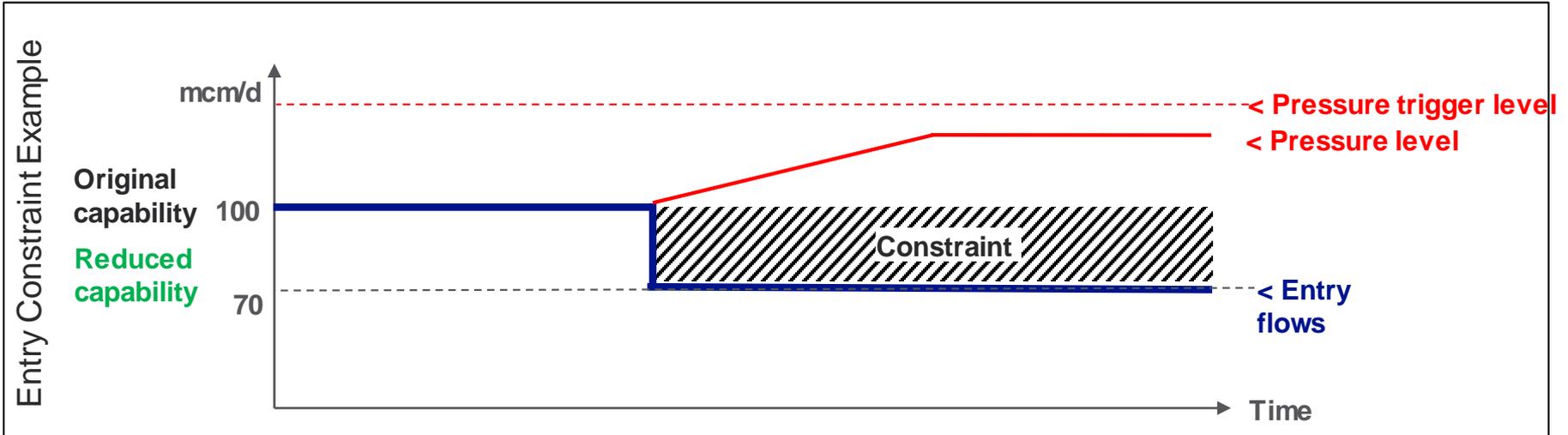
Operational tools (internal)	Operational tools (external)	Commercial tools	Network Integrity
<p>Reconfigure Network</p> <p>Optimise Compressor Fleet</p> <p>Manage Outages</p>	<p>Agree Pressures (Distribution Network Operator (DNO) Only)</p> <p>Flow Swaps (Distribution Network Operator (DNO) Only)</p> <p>Enforce Contractual Offtake Rules</p>	<p>Scale-back Capacity (Entry Interruptible & Exit Off peak)</p> <p>Restrict Daily Capacity</p> <p>Locational Energy Actions</p> <p>Capacity Surrender</p> <p>Offtake Flow Reductions</p> <p>Initiate Constraint Management Agreements</p>	<p>Operating Margins</p> <p>Terminal Flow Advice (TFA) (Entry)</p> <p>Critical Transportation Constraint</p> <p>Gas Balancing Notification</p>
<p>Information Provision (MIPI <i>(Market Information Provision Initiative)</i> / Website / Gemini / ANS <i>(Active Notification System)</i>)</p>			

What is a capacity constraint?

A restriction affecting part of the system which results in the gas flows 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 (eg 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

- 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*

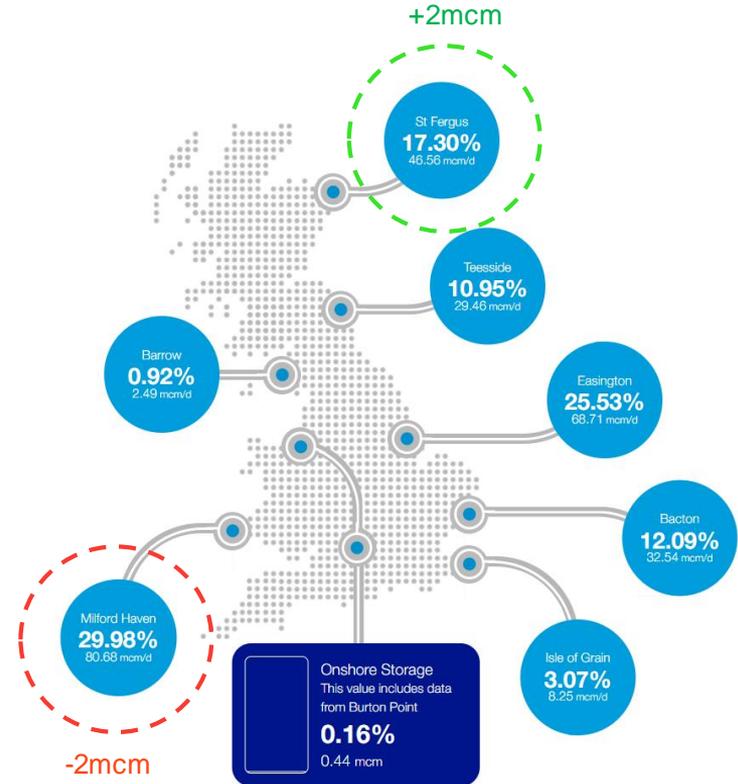
In line with Constraint Mgt incentive principals, bids/offers for Locational Actions, or Buy Back offers are only accepted where this is expected to help alleviate the physical constraint

Secondary Actions

A secondary locational action may be used at another location to counter the potential impact on NTS Balance

Considerations:

- An NBP Buy could lead to an increase in supply in the area where there is a potential constraint, so locational action is generally preferable
- NTS balance is taken into consideration – e.g. if heavy after a locational sale then secondary action unlikely to be required
- Timing in the day – locational actions have an associated lead time so less effective late in gas day



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Operational Overview



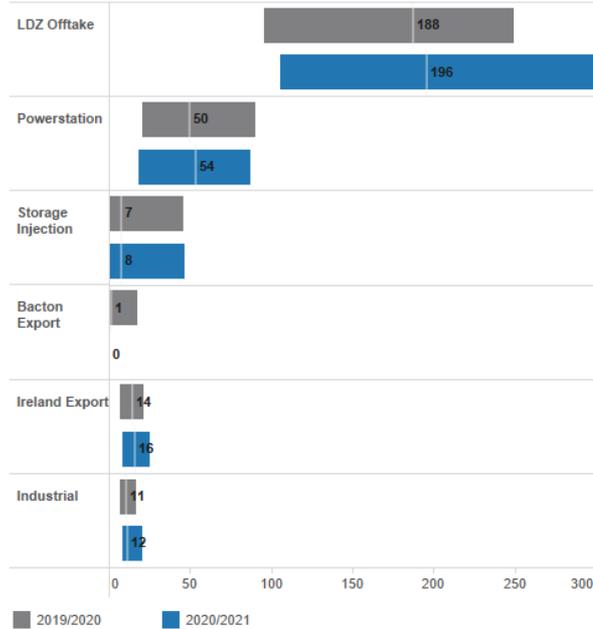
George Killick
Operational Strategy
Engineer

national**grid**

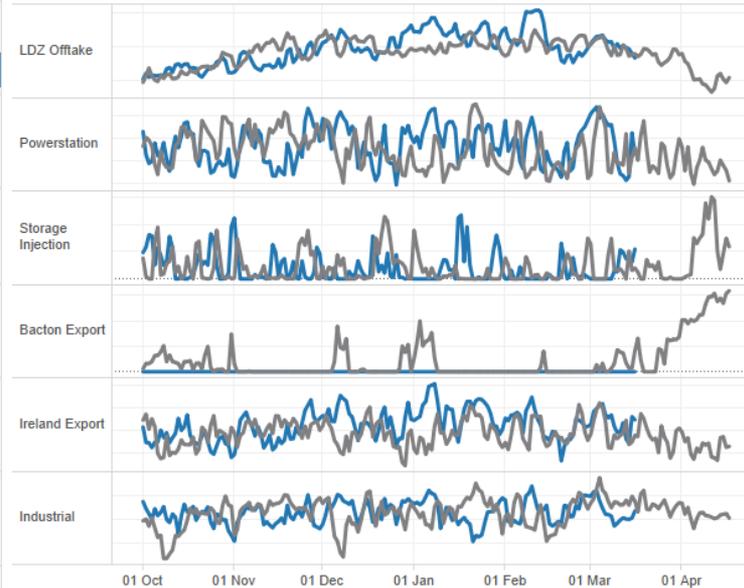


NTS Demand

Average Daily Volume and Range (Winter)



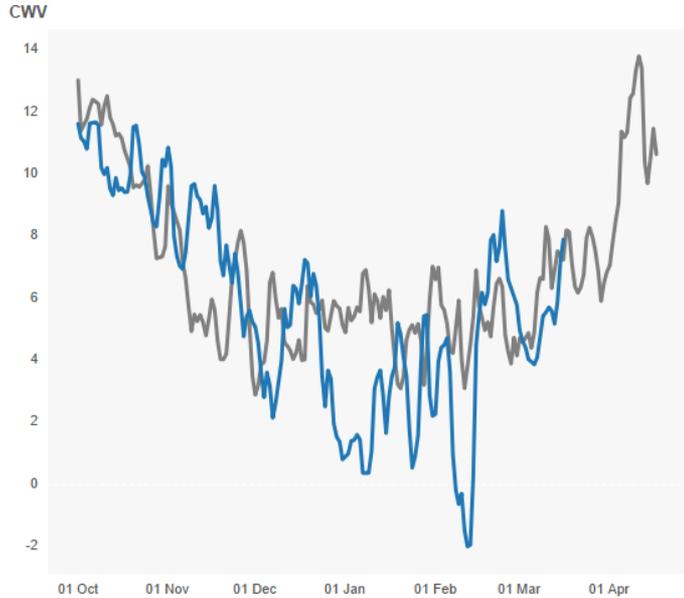
Trend Vs Previous Year



LDZ Demand largely in line with last year after colder weather in February

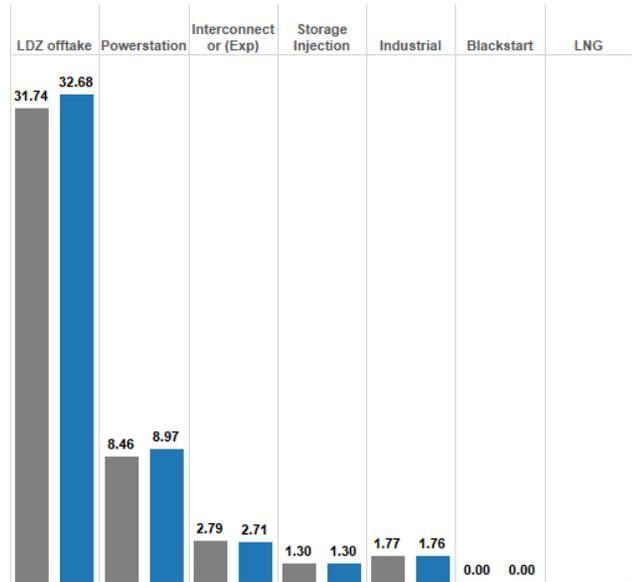
This time last year interconnector exports started to increase significantly, but no exports yet this year

Demand & CWV



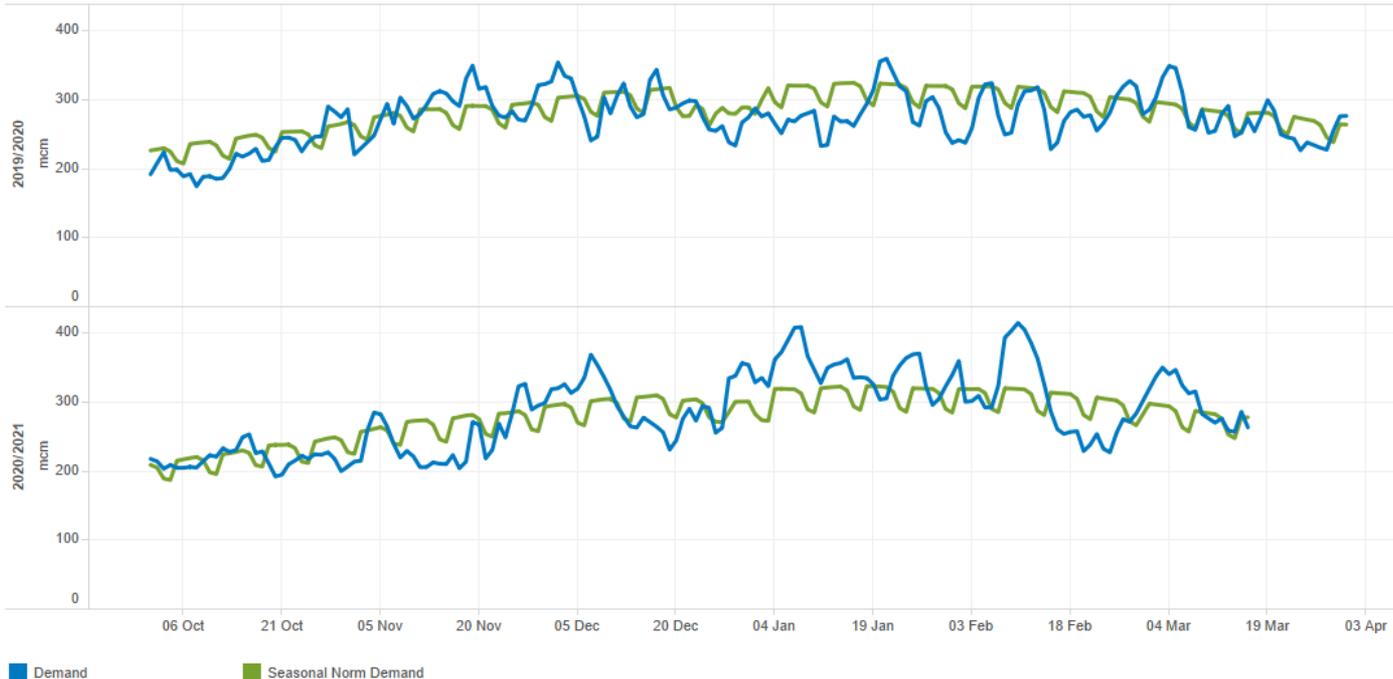
Gas Year
■ 2020/2021
■ 2019/2020

Demand (BCM, Winter)



Milder weather following cold spell in February

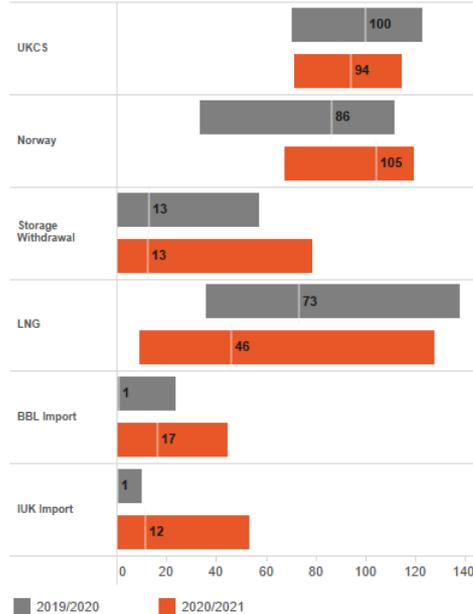
Demand – Comparison to Seasonal Norm



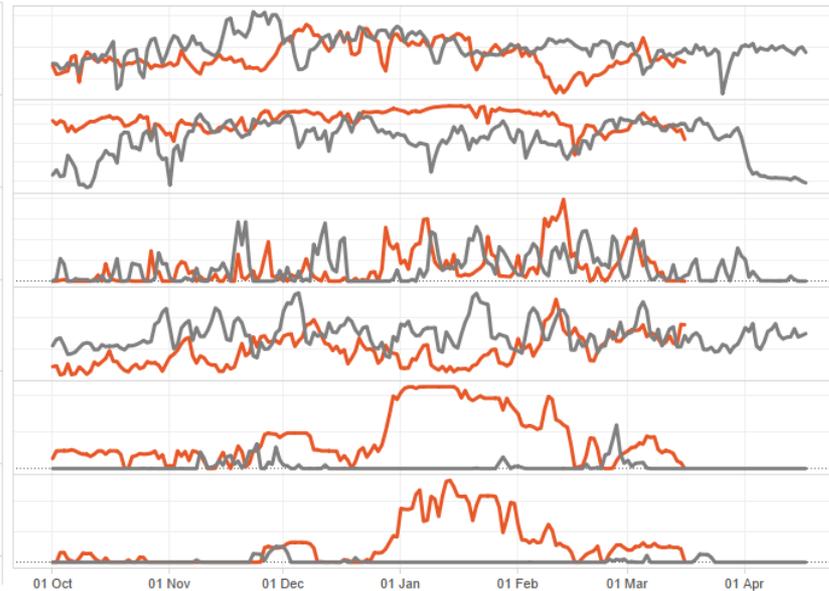
Demand regularly above seasonal normal in January and February

NTS Supply

Average Daily Volume and Range (Winter)



Trend Vs Previous Year



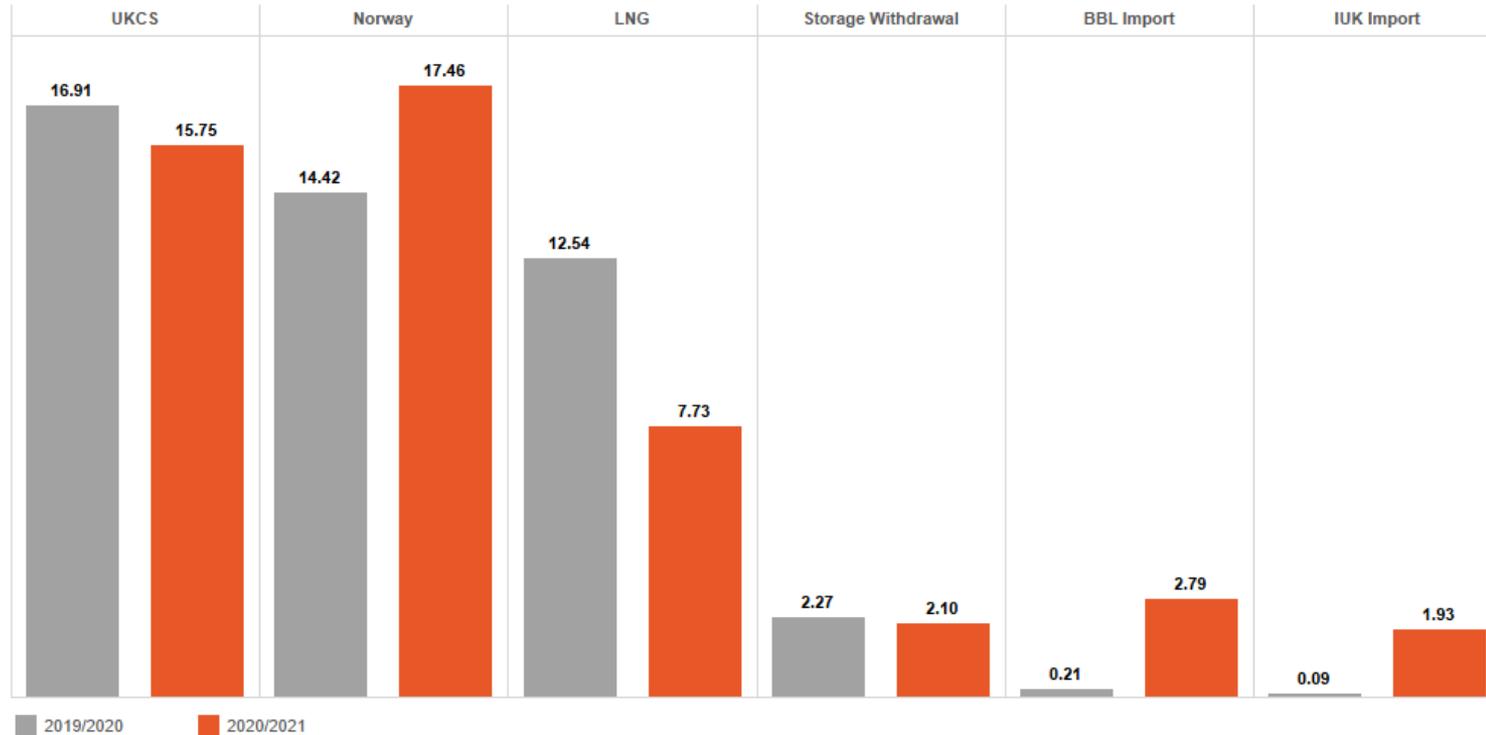
Interconnector imports have reduced as National Demand begins to drop towards shoulder months

UKCS supplies increased following some recent outages/shutdowns

Drop in Norway supply with recent field outages such as at Troll

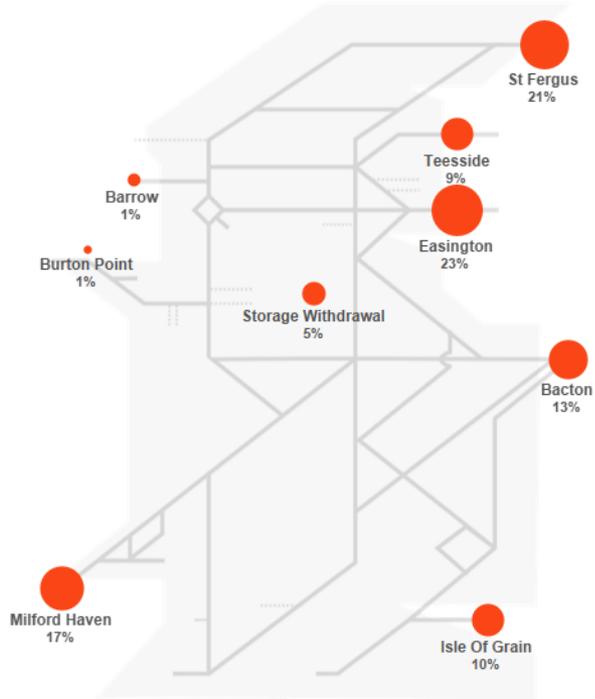
Supply – Yearly Comparison

Supply (BCM, Winter)

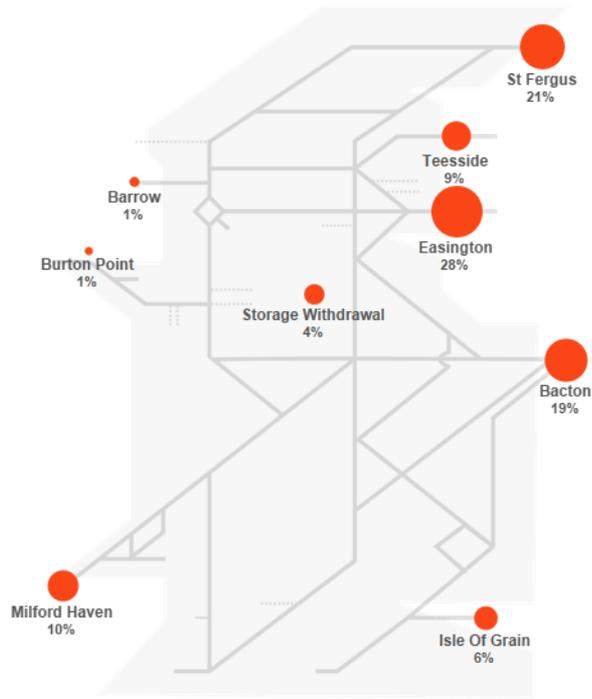


Supply Map

2019/2020 Percentage of total supply (Winter)

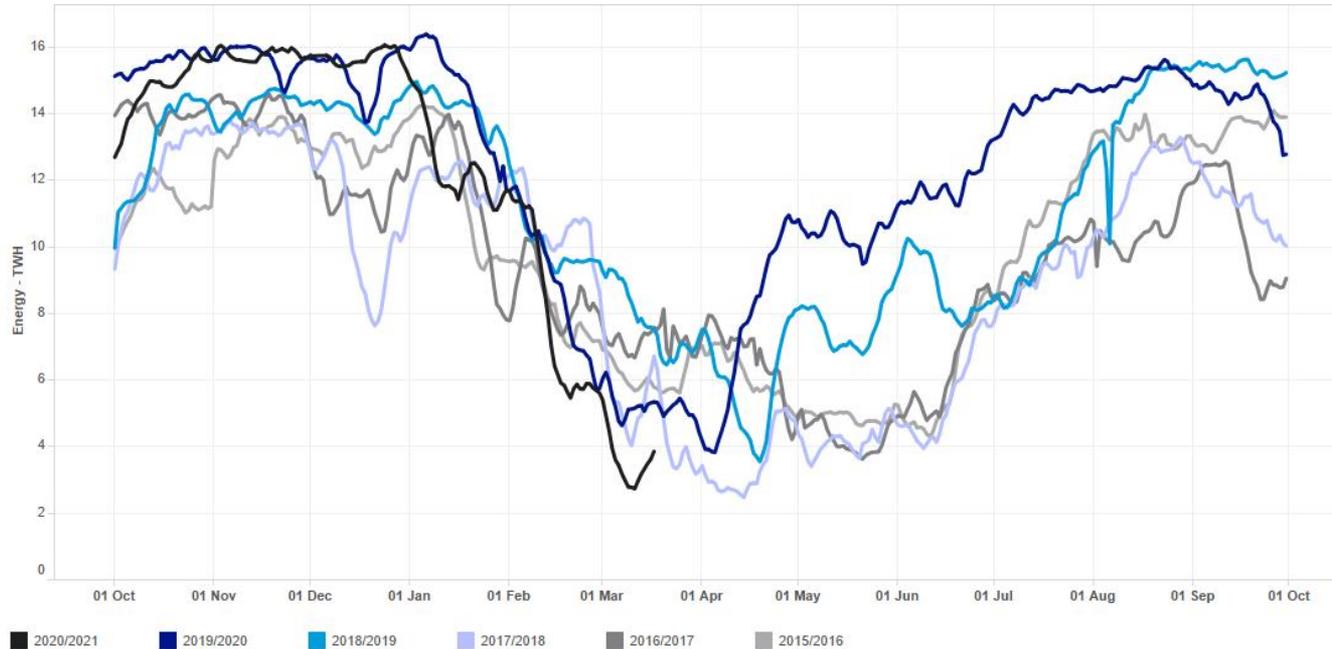


2020/2021 Percentage of total supply (Winter)



Lower LNG in winter overall, though this has increased recently

Storage Stocks



Noticeable drop in storage stocks over the last months, reflecting their higher supplies

Interconnector UK

Connecting the GB and Continental Gas Markets



25 March 2021



Ayan Bhattacharji
Business Intelligence and Marketing Manager





Agenda

1. About IUK
2. A highly market responsive, flexible and reliable source of supply
 - IUK's role in W-20/21 and W-17/18
3. The challenges of operating in a short-term market environment
4. Outlook for S-2021

IUK is a key infrastructure, physically connecting pipeline systems and markets

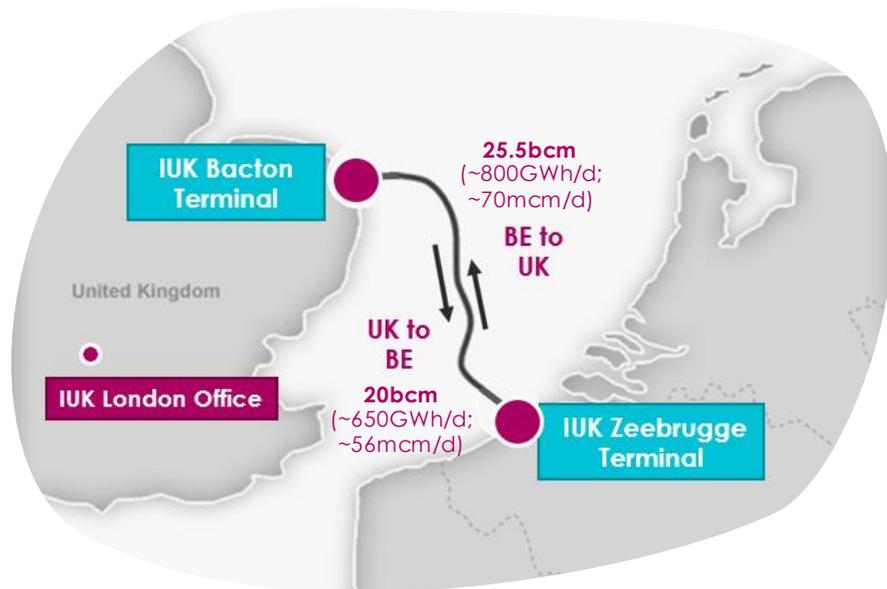
IUK owns and operates the physically, bi-directional gas pipeline between the UK and Belgium.

Our operation is located over three sites - commercially in London, and physically from gas terminals at Bacton in the UK, and Zeebrugge in Belgium.

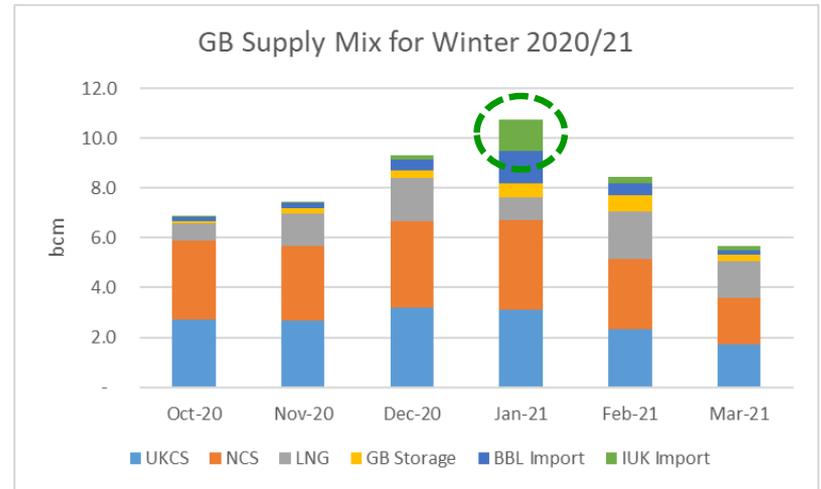
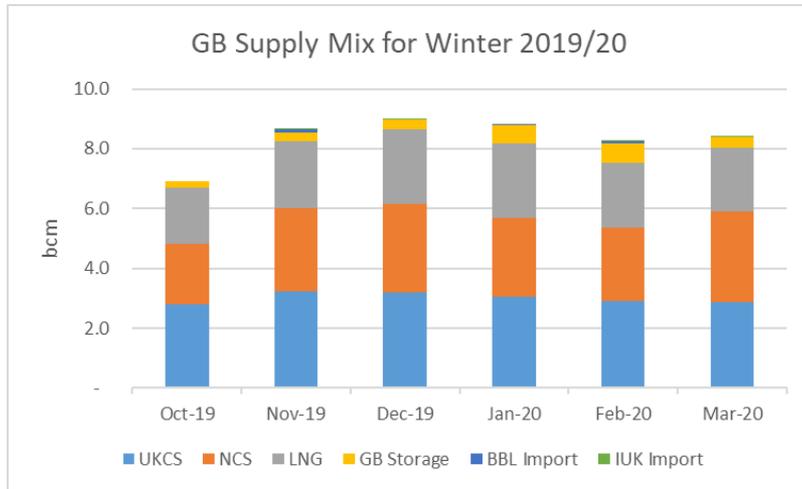
The company is owned by the Fluxys Group (76%) and SNAM (24%)

IUK is directly connected to the National Grid in the UK and to the Fluxys Belgium transmission system in Belgium.

This connection gives our Shippers access to key downstream markets and storage assets across Belgium, Netherlands, France and Germany.



IUK is typically a marginal, but vital source of supply to the GB market

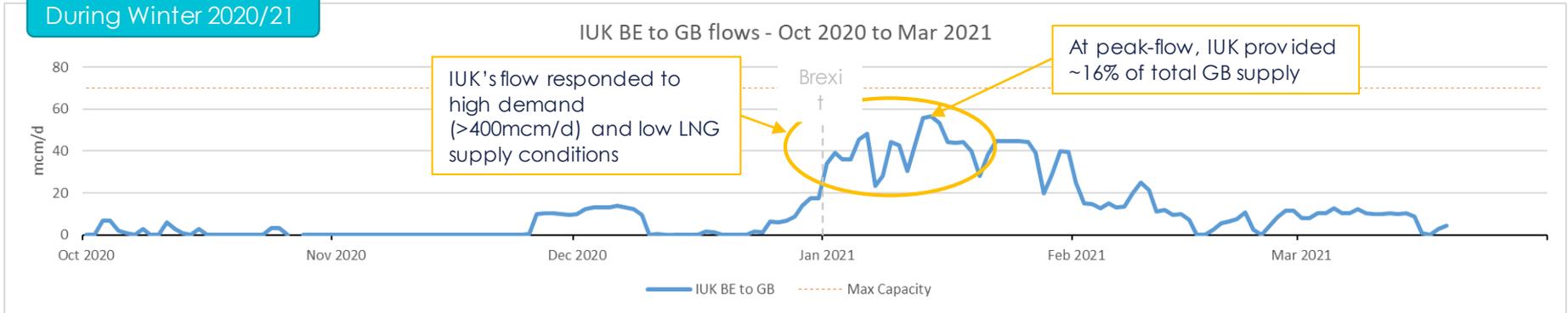


- UKCS and NCS form the base load supply to GB
- LNG and Storage are the first layer of variable supply – although LNG can also be base load
- IUK (and BBL) are typically the marginal source of supply
 - **providing vital flexibility to the market during high demand periods or instances of supply disruptions**



Supply through IUK is critical to enable the market to respond to demand spikes or supply disruptions

During Winter 2020/21

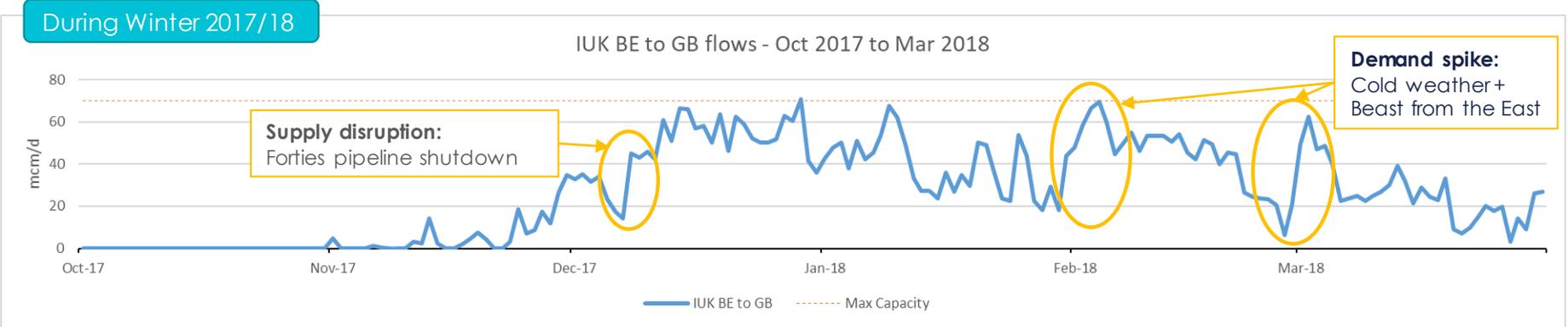
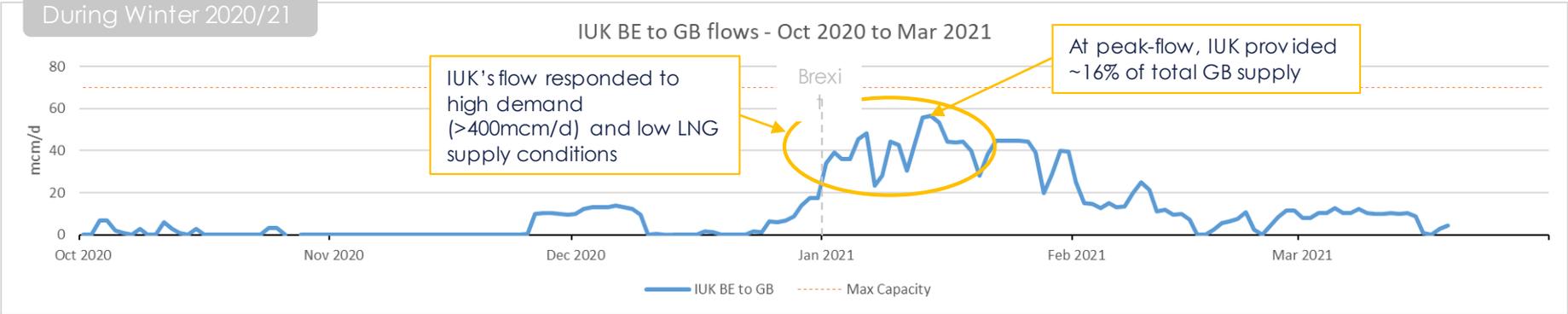


Jan-21 saw IUK's highest January imports ever!

- > 13,500 GWh imported (BE to GB flow)
- **Peak daily flow (14Jan) ~600 GWh (~16% of total GB supply)**
- Imports for the month = **12% of GB supply**
- 3rd highest import month since operations began in 1998 and highest imports since 2017
- 100% flow nominations achieved



Supply through IUK is critical to enable the market to respond to demand spikes or supply disruptions



Meeting the challenge of maintaining a high fixed cost asset base in an increasingly short-term market

IUK provides capacity 24/7, 365 days per year, while revenues are concentrated in a few periods

- Since Oct-2018 IUK has transitioned from a commercial model where all its capacity was contracted under long-term contracts to a market where capacity is contracted on a just-in-time, short-term basis;
- High fixed costs asset base – to maintain year-round availability of two large gas compression terminals and subsea pipeline;
- Contribution to GB security of supply and consumer interest is not fully remunerated;

IUK's responses

- Minimise operating costs – without compromising operational safety and service delivery standards;
- Offer the market a large suite of longer-term and shorter-term products;
- Incentivise pricing of longer-term capacity products (e.g. Seasonal/Qtrly) over short-term products (e.g. Monthly/Daily).
- Flexibility to adjust short-term capacity prices in response to prevailing market conditions.



Outlook for Summer-2021

The fundamentals balance for Q2 and Q3 could be markedly different with significant consequences for the drivers of GB to Continent flow.

Factors encouraging GB to Continent flow

- Strong LNG supply throughout S-21 – likelihood of 'excess LNG' being exported from GB to the Continent;
- High NWE storage injection demand;
- Lower gas for power demand in GB – continuing trend of increasing renewable generation;
- Higher NCS production relative to COVID impacted S-2020

Factors hindering GB to Continent flow

- Higher UKCS and NCS maintenance affecting up-stream production, mainly during Q2-21;
- Absence of NGG's short-haul tariff option – requires a higher spread for GB to Continent flow;
- ZEE/TTF - NBP spreads currently below full route cost level;

IUK is ready to provide valuable, flexible GB to BE capacity to the market during S-21 and beyond



Thank you

Ayan Bhattacharji

Business Intelligence and Marketing Manager

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The information in this presentation has been prepared by Interconnector (UK) Limited (**IUK**) in connection with the offer of capacity products and/ or services described within and is current at the time of preparation. It does not relate to the offer of capacity products and/or services by another interconnector operator or transmission system operator.

The purpose of this presentation is to assist interested persons to decide whether they wish to apply for capacity products and/or services here offered by IUK and does not constitute an offer, invitation or commitment by IUK in respect of such capacity products and/or services.

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Gas Transmission

Charging Update



Colin Williams
Commercial Codes
Change Manager

nationalgrid



Agenda

- This update is split across two main areas areas:
 1. Charge Setting for Gas Year 2021/22
 - Timeline & links to UNC change proposals
 - Forecasted Contracted Capacity (FCC) Methodology – Gas Year 2021/22
 2. Capacity Neutrality – October 2020 to December 2020

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Charge Setting for October 2021

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Charge Setting For October 2021: Timeline of events

- **Charge Setting** – Key timescales for NTS Transportation Charges to apply in Gas Year 2021/22

What	When	Details / Comments
Monitoring monthly values for the relevant months up to setting charges	Monthly / Ongoing	Reviewing the impacts of charges in place and what bearing this has on charges and / or potential future UNC changes
RIO2 impacts	February, March, April 2021	Finalising the changes needed for charges to be in line with relevant RIO2 elements
Revenues for Regulatory Year 2021	February, March, April 2021	Assessing the revenue inputs and any other charging impacts required for setting charges from October 2021
Updated FCC Methodology	End of March / beginning of April 2021	Timing to be in line with UNC requirements
Forecasted Contracted Capacity (FCC) values	End of April 2021	Production of numbers to enable use in calculation of October Reserve Prices
Publication of Entry and Exit Capacity Reserve Prices	By the end of May 2021	Once published, cannot be updated within the Gas Year ending 30 September 2022
Transmission Services Revenue Recovery Charges (RRCs)	By the end of July 2021	Once published, can be updated within the Gas Year ending 30 September 2022
Publication of Non-Transmission Charges	By the end of July 2021	Once published, can be updated within the Gas Year ending 30 September 2022

UNC Modification 0728/A/B/C/D

- **UNC0728/A/B/C/D** – Introduction of a Conditional Discount for Avoiding Inefficient Bypass of the NTS
- Ofgem issued a minded to decision in January 2021 with a preference for 0728B and an implementation date of October 2021. Consultation closed in February 2021 and we await a decision.
- Overview of 0728B
 - Distance cap of 28km.
 - Discount applied to Entry and Exit reserve prices decreases from 90% to 10% as the distance increases to the 28km cap. Excluding what is referred to as Existing Contracts.
 - Eligible quantity will be the lower of Entry Capacity, Entry Flows, Exit Capacity, Exit Flows on nominated routes.
- In order to accommodate into the October 2021 charge setting of Entry and Exit Capacity Reserve Prices a decision would be needed in time to accommodate into the May charge setting processes.

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Forecasted Contracted Capacity (FCC)

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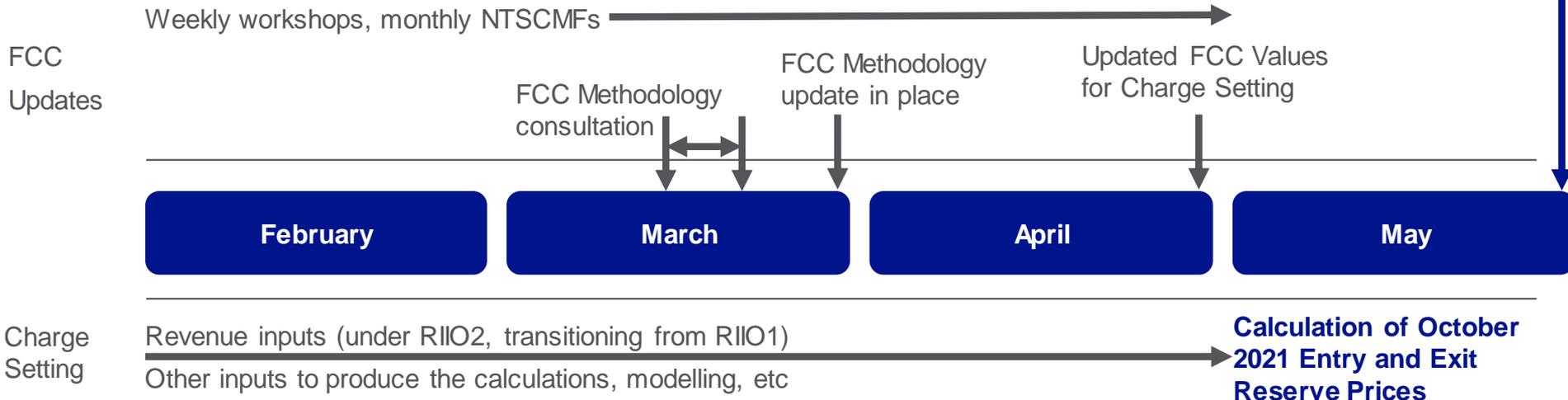


Calculation of Transmission Services Entry / Exit Capacity Reserve Prices

- At a simple level, the calculation of the Postalised Entry and Exit Capacity Reserve Prices works on two main inputs:
 1. Target Revenue for the Gas Year
 2. Forecasted Capacity over which the revenue is to be recovered
- Here we are focusing on item (2)
 - It is used as the denominators in the calculations of Entry and Exit Postalised Capacity Reference / Reserve Prices. It is intended to represent a total forecast of expected capacity bookings for the Gas Year in question.
 - It is produced following the FCC Methodology. If there is to be a material change to this methodology, a consultation should be carried out by National Grid
 - Gas Year 2020/21 was considered too high when we reflect on the numbers. Focus has been on how to improve the methodology for Gas Year 2021/22 that will better reflect capacity bookings and aim to minimise the need for any Revenue Recovery Charges within the Gas Year
- Development of an updated approach has focused on use of historical flows, forecast demand and capacity utilization under the new charging regime

High level timeline between now and May 2021:

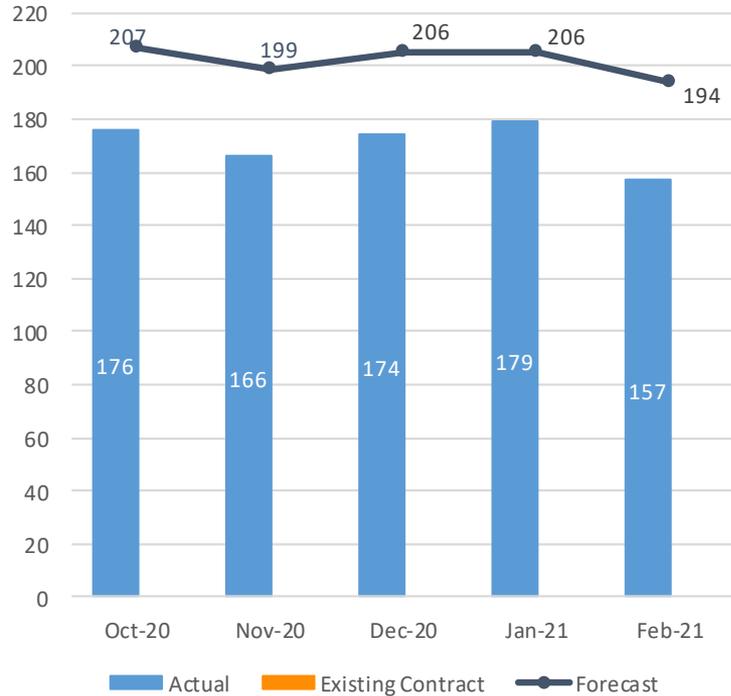
Publication of
October 2021 Entry
and Exit Reserve
Prices



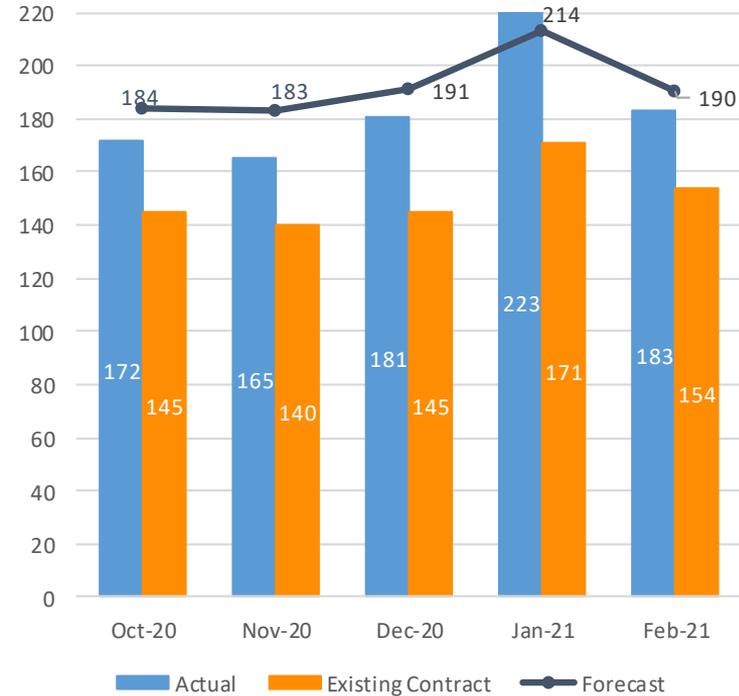
What	Detail of change	Engagement
FCC (Forecasted Contracted Capacity)	Updating the methodology to apply in setting the October 2021 Entry and Exit Capacity Reserve Prices	Weekly development workshops, use of NTSCMF. Consultation and webinar session during consultation. Weekly workshops run to end of April to cover the development, consultation, and application of the FCC methodology in the run up to setting charges. Hosting of webinar to outline what we are using once FCC is finalised.
Charge Setting	Our main activity centres on calculating and publish the Entry and Exit Capacity Reserve Prices for October 2021	Prices due to be published end of May / beginning of June. This will include indicative Non-Transmission Charges which are finalised by 1 August for October 2020. Ahead of October, host a webinar to outline the changes from October for Transportation charges

Comparison between Forecast (from FCC 2020/21) to actuals Oct 20 – Feb 21

Exit Capacity - Forecast v Actuals
(TWh/m)



Entry Capacity - Forecast v Actuals
(TWh/m)



Draft Proposal – FCC Methodology – initial application

Exit Point Type kWh/d	FCC Oct 2020
TOTAL	6,494,998,689

Draft* FCC Oct 2021	Variance from Oct 2020	%	Variance from Forecast FCC
5,311,177,450	-1,183,821,239	-18%	-16%

Entry Point Type kWh/d	FCC Oct 2020
TOTAL	5,632,798,106
Existing Contract	3,853,587,697
Remaining Capacity	1,779,210,409

Draft* FCC Oct 2021	Variance from Oct 2020	%	Variance from Forecast FCC
4,952,133,668	-680,664,438	-12%	-6%
3,513,712,187	-339,875,510	-6%	
1,438,421,481	-340,788,928	-6%	

- Proof of Concept / indicative data values only.

FCC Methodology Consultation Timeline

Stage	When
Issue FCC Consultation	19 March 2021
Closing date for consultation responses	30 March 2021
Aim to publish report on responses plus issue the FCC Methodology	01 April 2021

- All material, including the consultation document, draft methodology outlining proposals and all workshop materials are available here:
 - <https://www.nationalgrid.com/uk/gas-transmission/charging/gas-charging-discussion-gcd-papers> under “2021 Forecasted Contracted Capacity (FCC) Methodology Consultation”.
- All non-confidential consultation responses along with the report mentioned above will also be published in this location on the National Grid website.
- We then move onto the steps applying the methodology in place and continuing to use the National Grid led workshops to keep stakeholders aware of its application. We will also use NTSCMF workgroups to continue wider awareness (<https://www.gasgovernance.co.uk/ntscmf>).

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Capacity Neutrality

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Capacity Neutrality

- UNC0748 implemented a change to Capacity Neutrality effective from 01 January 2021
 - The change removed Within Day Entry and Daily Interruptible Entry Capacity from the process
 - UNC0748 was a forward looking modification on which Ofgem decided on its implementation in December 2020. This did not cover any proposed treatment and reconciliation related to the period from 01 October to 31 December 2021. This was something that following feedback was reviewed including any solution.
- National Grid will be proposing a modification that would be a reconciliation of this period
 - An updated UNC Modification on this will be presented into the UNC change process in April to follow through the normal UNC change process
 - Proposal would seek to charge back the proportion of the Capacity Neutrality payments made covering Within Day Entry and Daily Interruptible Capacity (c. £47m)
 - It would then redistribute this across Shippers based on February 2021 to September 2021's Fully Adjusted Entry Capacity holdings (net of any Existing Available Holdings)
 - This approach with the method of recovery and redistribution would not impact any published prices (i.e. reserve prices or any revenue recovery charges)

Contact

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Commercial Codes Change Manager

+44 (0)7785 451776

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General Questions

General Regulatory Change Queries
box.gsoconsultations@nationalgrid.com

General Charging Queries
box.NTSGasCharges@nationalgrid.com

General Capacity Queries
box.capacityauctions@nationalgrid.com

Gas
Transmission

IP Within Day Auctions February



Mark Baker
Principle Capacity &
Strategy Development
Analyst
national**grid**



IP Within Day auctions failure - summary

PRISMA software update was deployed on 22nd Feb 2021 including a fix to Zulu Time (GMT/UTC) code functionality for upcoming clock changes.

Within Day IP auction interface files from Gemini were rejected by PRISMA affecting all NG network points (Bacton and Moffat) for both Entry and Exit.

File rejection caused by the PRISMA Zulu Time code fix.

National Grid initiated contingency procedures with Correla (Xoserve) and PRISMA but were only able to part-complete auction setup for Gas Day 23rd Feb.

Issue persisted for three days until PRISMA 'hot-fix' was identified and tested, then successfully deployed on 25th Feb.

NG initiated PRISMA manual upload contingency for Gas Days 23rd, 24th and 25th Feb. During this time NG were only able to offer unbundled capacity in the auctions.

National Grid Ask questions at [slido.com #GasOps21](https://www.slido.com/#GasOps21)



Next steps

Root cause analysis

National Grid are working with Correla (Xoserve) and PRISMA to ensure risk of disruption to future IP auctions following code updates is minimised.

Improvement areas

National Grid, Correla (Xoserve) and PRISMA are reviewing existing processes and contingency procedures to identify any improvement areas. Some changes have already been made and more are planned.

Communications

National Grid are reviewing the communications strategy around invoking contingency procedures, to make clear any action that Users may need to take or be aware of.

Do you have any feedback on these issues?

Please contact capacityauctions@nationalgrid.com if you have any comments on this issue or associated communications.



**Gas
Transmission**

Incorrect capacity bid submission – system changes update

Reserve price population

Mandatory bid parameters

Mark Baker

Principal Capacity and
Strategy Development
Analyst

nationalgrid



Proposed Gemini system changes - summary

Minimum reserve price

Short-term auction minimum reserve prices to be pre-populated in the Gemini and Gemini Exit Bid Capture forms.

Change does not apply to long-term or to Interconnector Point (IP) auctions.

Bid prices can be modified and submitted above the reserve price if required.

Planned implementation date –
18th April 2021

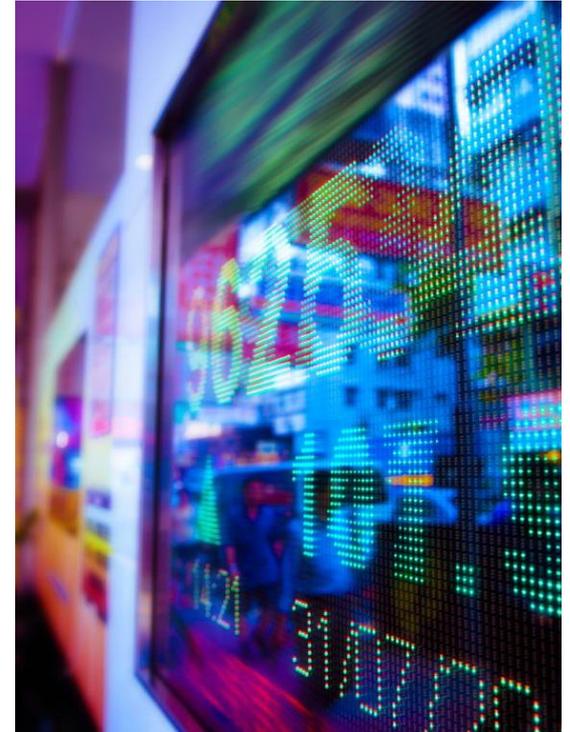
Mandatory bid parameters

Requirement for User/Shipper Preferences to be in place for all Gemini and Gemini Exit short-term auctions prior to bid capture and submission.

Users would be unable to place bids in short-term auctions unless they have set up User/Shipper Preferences for both **Price** and **Capacity**. Validation checks will also apply to APIs.

Approved for implementation.

Planned implementation date –
1st October 2021



Minimum reserve price - system changes

- Minor Enhancements change
- Applies to the Create Bids screens in Gemini and Capture Requests screens in Gemini Exit
- No change to existing bid capture/capture request functionality
- Change populates the Price (p/kWh) box with the relevant reserve price
- Reserve prices used based on Transmission Charges statement – no additional calculations required at bid/request capture
- Premium can be added by editing the pre-populated value
- Works with Shipper/User Preferences

The screenshot shows the Gemini 'Add Bids' interface. At the top, there are navigation tabs for Contract, Product, Trade, Deal, Constraints, Nominations, OCM, and Invoice. Below these, a status bar shows 'Messages-9132', 'User Name: User1', 'BA: TRA', and 'User Role: IGM5005'. The main header includes the Gemini logo, 'Environment: FOF1', and a breadcrumb trail: 'You are here : Home > Deal > Capture > Create Bids > Add Bids'. The 'Add Bids' form contains the following information:

- Product:** ENTRY CAPACITY INTERRUPTIBLE
- Method of Sale:** DISEC
- Transaction Period:** 01-Apr-2020 to 31-Mar-2021
- BA Code:** AVONMOUTH LNG
- BA Abbr. Name:** SHIPPER CO
- BA Name:** SHIPPER CO LTD
- Sub Transaction Period:** 04-Mar-2021 to 04-Mar-2021
- Min. Qty(kWh):** 100,000
- Max. No. Of Bids:** 20
- NATIONAL GRID GAS DEFINED PARAMETERS:**
- Price(p/kWh):** 0.0323
- BID PARAMETERS:** (Empty section)
- Bid Type:** Evergreen
- Min. Qty (kWh)*:** 100,000
- Max. Qty (kWh)*:** (Empty)
- Price (p/kWh)*:** 0.0323 (highlighted in yellow)
- Bid Value (€):** (Empty)

At the bottom right, there are 'Save', 'Close', and 'Clear' buttons.

Gas Transmission

Updates



Joshua Bates
Operational Liaison & Business
Delivery Manager

nationalgrid



National Grid Gas: Customer Connections Webinar

Are you interested in connecting to the National Transmission System, discussing how we plan to facilitate the transition to hydrogen, or shaping the investments we are making in our customer connections processes?

Please come and join us on our webinar from 10.00 to 12.00 on 12 May 2021 to hear from various Subject Matter Experts in the connections space. The agenda includes:

- Upcoming improvements to our connections processes
- Investment in our Gas Customer Connections Portal
- Hydrogen connections – how National Grid are working with customers and listening to feedback as we working towards future hydrogen connections to the NTS

When: 10.00am-12.00pm, 12 May 2021

How to register: Please check our [Connections Webpage](#) for updates or email us at Box.UKT.customerlifecycle@nationalgrid.com to register your interest.

Gas Market Change – Contact Us

Charging Review

- Amending the Gas Transmission Charging regime to better meet relevant charging objectives and customer/stakeholder provided objectives for Transportation charges
- Colin Williams
colin.williams@nationalgrid.com
07785 451776

Gas Quality

- Exploring the feasibility of National Grid gas quality blending services at NTS entry points
- GS(M)R Review
- Phil Hobbins
philip.hobbins@nationalgrid.com
07966 865623

Capacity Access Review

- To address short-term issues and review the principles to establish a long-term strategy for the NTS capacity access regime
- Jen Randall
jennifer.randall@nationalgrid.com
07768 251404

Other Queries

- Queries for National Grid Consultations: .box.GSOConsultations@nationalgrid.com
 - All other queries: box.OperationalLiaison@nationalgrid.com
-

Gas Transmission

Data – Proposed
new items

nationalgrid



Data Enhancements Approach

Our aim is to release data above & beyond our obligations



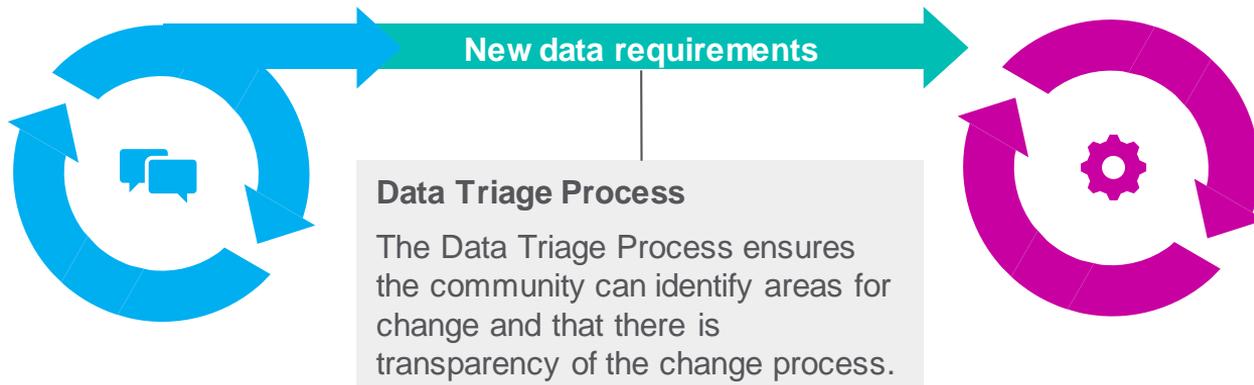
Stakeholder Engagement

Platforms such as the **Gas Operational Data Community** website, the **Operational Forum** and other ad-hoc events such as the **Shaping the data programme** webinar promote discussion and facilitate continuous feedback from stakeholders.



Agile Development

New data requirements that are generated as a result of stakeholder engagement feed an agile development plan for implementing enhancements. Development plans and timings will be shared with stakeholders as and when they are agreed.



Data Options

Data for consideration	
Final Actual Demand at site level (D+6)	This data will complement the data already published at D+1 and will improve data quality to allow model dataset training
Instantaneous Linepack	This will provide a live view of the linepack within the NTS system and how it is being used due to the supply and demand mismatch. This could provide insight into how different supply and demand profiles can impact linepack utilisation.
Instantaneous Linepack by Zone	This is the same as the above data but at a more granular level from a location perspective
Projected Minimum Linepack published every hour	This data item will provide the projected minimum closing level pack level within the day.

<https://app.conceptboard.com/board/fdss-4b8c-xu6q-3sen-kiz3>

Concept Board

Sticky Note – Post Anonymously

The screenshot shows the Concept Board interface. At the top, there are navigation options: 'Board', 'Edit', 'View', and 'Help'. The main title is 'Data and Information - Ops Forum' with '@All participants' and a 'Share' button. Below the title is a toolbar with icons for hand, mouse, eraser, and a 'Comment' button. A red circle highlights the 'Comment' button. Another red circle highlights the sticky note icon in the toolbar. A third red circle highlights the 'Undo' and 'Redo' icons in the top left corner. The main content area contains a sticky note with the text 'What value would your business derive from:' and a list of items: 'Final Actual Demand at site level (D+6)', 'Instantaneous Linepack', 'Instantaneous Linepack by Zone', and 'Projected Minimum Linepack published every hour'. A 'Comment' button is also visible in the bottom right corner of the sticky note area.

Undo any comments/notes

Comment – post with name

What value would your business derive from:

Final Actual Demand at site level (D+6)	
Instantaneous Linepack	
Instantaneous Linepack by Zone	
Projected Minimum Linepack published every hour	

<https://app.conceptboard.com/board/fdss-4b8c-xu6q-3sen-kiz3>

Gas Transmission

Close



Joshua Bates
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Next Forum

The Next Operational Forum will take place on the 20 May via WebEx or Teams

Please send any topic requests to:

Box.OperationalLiaison@nationalgrid.com

Register now at:

<https://www.eventbrite.co.uk/e/operational-forum-may-2021-tickets-148103791427>

