

Gas
Transmission

Gas Operational Forum - November

WebEx

19th November 2020

9.30am

Slido

#GasOps20

nationalgrid



**Gas
Transmission**

Introduction & Agenda



Joshua Bates
Operational Liaison
& Business Delivery Manager

nationalgrid



Presenters

National Grid

Joshua Bates – Operational Liaison and Business Delivery Manager

Martin Cahill – Operational Liaison Lead

George Killick – Operational Strategy Engineer

Tom Wilcock – Safety, Response & Assurance Manager

Colin Williams – Commercial Codes Change Manager

Carrie Bury - Customer Journey Specialist

Scott Keogh – Senior Settlements Analyst

Tom Lane – Principal Energy Strategy and Development Analyst

Suki Ferris – Development Lead

Harj Kandola – Data Integrity Manager

National Grid

BEIS

Myra Fazal- Energy Security

HMRC

Amer Masood - Regional Engagement Customs Capability Lead

Johnny Sow – Strategy Advisor

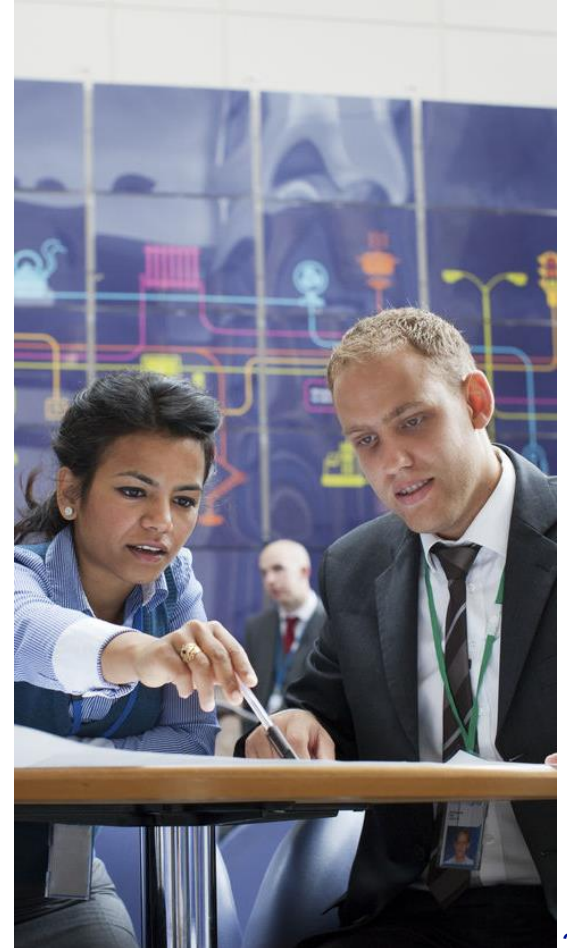
Joel Mellor – UK Transition Stakeholder Policy

Energy Systems Catapult

Richard Dobson – Technical Collaboration Consultant

Xoserve

Chris Cortopassi – Customer Journey Lead



Calendar year 2020 Ops forums

All forums will be held via WebEx until further notice

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Lon	Lon	Online	X	Online	Online	X	X	Online	Online	Online	X
23/01	20/02	19/03		14/05	18/06			17/09	22/10	19/11	

Location:

Amba Hotel
Strand
Charing Cross
London
WC2N 5HX

Registration is open for all 2021 events at:

<https://www.eventbrite.co.uk/e/pre-registration-2021-operational-forums-tickets-129724881613>

If you would like to ensure we keep you up to date please subscribe to our mailing list:

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

Housekeeping for WebEx Forums

During our WebEx events;

- Attendees will be automatically muted on dial-in, please ensure your cameras are off too.
- We will break at the end of each section to answer questions, please use the 'raise a hand' function on WebEx and we will un-mute you.
- Alternatively, you can ask any questions via sli.do and we will answer them at the end of each section. The meeting code is #GasOps20.
- For both presenters and any verbal comments, please state your name and company before speaking.

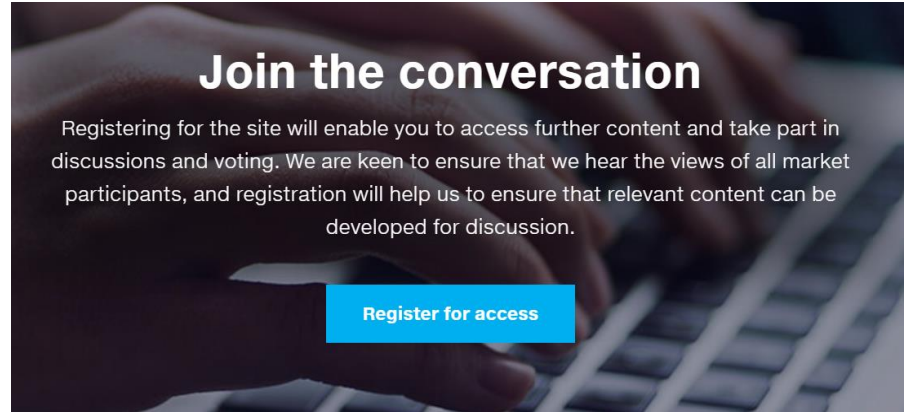


Resources Available to you

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.eventbrite.co.uk/e/pre-registration-2021-operational-forums-tickets-129724881613>



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>

How to contact us

Operational Liaison Team

Joshua Bates: Joshua.Bates@nationalgrid.com

Martin Cahill: Martin.Cahill@nationalgrid.com

Operational Liaison Email:
Box.OperationalLiaison@nationalgrid.com

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

For the National Grid Gas Website, please visit;
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National GridJoin at [slido.com](https://www.slido.com) #GasOps20



Actions from last session (1)

Thank you to all those who participated in the last session via sli.do, the outputs from Oct Forum Interactive Session are below;

- ***We asked you “Which of National Grid’s commercial tools are you least familiar with/would like training in? Is there any other information you would like National Grid to provide you with ahead of the winter?”*** You answered ‘commercial tools’.

All the commercial tools available to national grid are listed on the webpage; <https://www.nationalgrid.com/uk/gas-transmission/data-and-operations/transmission-operational-data/useful-operational-information>

We have added a presentation to the community site that describes the order in which we use the tools and the effects they could have; <https://datacommunity.nationalgridgas.com/key-documents/>

- ***We asked you “What is the biggest operational concern for your business/department this winter?”***. You said Covid, with 30% saying you were very concerned, but 95% answered that you felt all or most of the controls you thought necessary were in place.

We have our winter outlook, and we will continue to present enhanced information provision and deep dives at the ops forums. If anything changes in terms of temperature we will arrange an ad-hoc forum in December.

We asked you how concerned are you about the risk of COVID to your businesses operations? And do you feel all the necessary tools and safeguards are in place ahead of the winter this year. Half of you said you were concerned but only 5% said you felt the controls in place were not necessary. As the survey was anonymous, we do not know who responded, but would just like to offer bi-lateral meetings for anyone on the call.

Actions from last session (2)

- *We received a lot of questions on Brexit so would like to remind you that the answers and recordings were uploaded in segments on <https://datacommunity.nationalgridgas.com/key-documents/gas-ops-forum-2019/october-2020-forum/> and that we have guest speakers from BEIS and HMRC on the call today so if you would like to ask them questions you can via sli.do.*
- *There was a small percentage that said they were not getting ANS. As it was anonymous we do not know who answered this but it is very important so please email us at Box.OperationalLiaison@nationalgrid.com to add your email to ANS.*
- *We talked about what you wanted to see in the Winter outlook, with the majority of answers focussing around earlier publication and enhanced information about interaction with other fuels. Your responses have been fed back to the team.*

Agenda for Today

- | | |
|----|--|
| 01 | Welcome and Introduction |
| 02 | Exercise Baltic Initial Findings |
| 03 | Operational Overview |
| 04 | Brexit Update: BEIS and HMRC |
| 05 | Customer Journey Update |
| 06 | OCM Contingency Exercise |
| 07 | Enabling Net Zero: Latest GFOP study |
| 08 | Digital Strategy |
| 09 | AOB:
Capacity Auctions
Charging Update |

Please ask any questions using slido #GasOps20 or by raising your hand.

These will be covered at the end of each agenda section

Joining as a participant?

GasOps20

Join an existing event

By using Slido I agree to the [Policy](#).

Industry Exercise Baltic

Network
Emergency
Co-ordinator



Tom Wilcock
Safety, Response & Assurance
Manager

Initial Findings

1. We have successfully demonstrated that a potential or actual shortage of gas could be managed remotely – this is a major success and reflects a lot of hard work, challenge of ways of working and tests of new processes
2. We built on last year's focus on ESO/GSO and continued with the approach to trying to find the best common outcome across ESO and GSO, building on the progress made in previous years; this was a positive experience.
3. There's an opportunity to test a different approach across the Demand Team (inc the GDNs), to try to encourage more innovative problem solving across companies to get to the safest overall answer across the networks
4. Simulated Load shedding for NTS sites was achieved with the best performance for 5 years
5. There is still work to do within GSO on ensuring the information available to the IC and NEC is there in a format that's easy to understand, updated in real time if required
6. There is more strength in depth than in previous years

Gas Transmission

Operational Overview



George Killick
Operational Strategy
Engineer



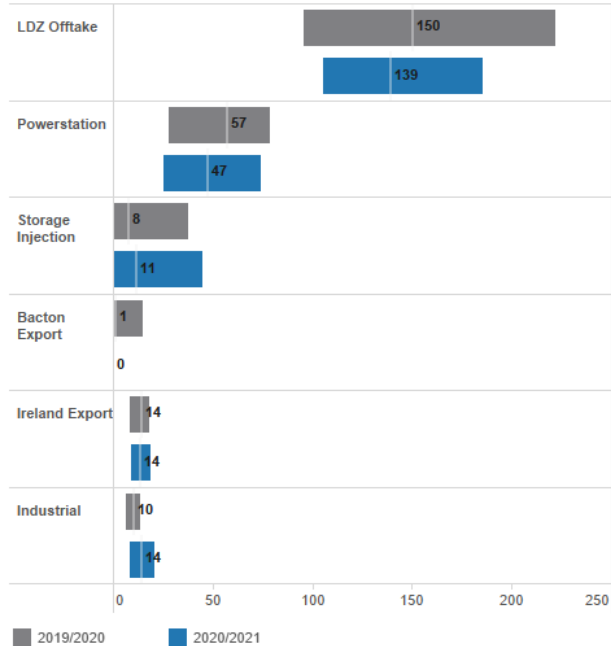
Joshua Bates
Operational Liaison &
Business Delivery Manager

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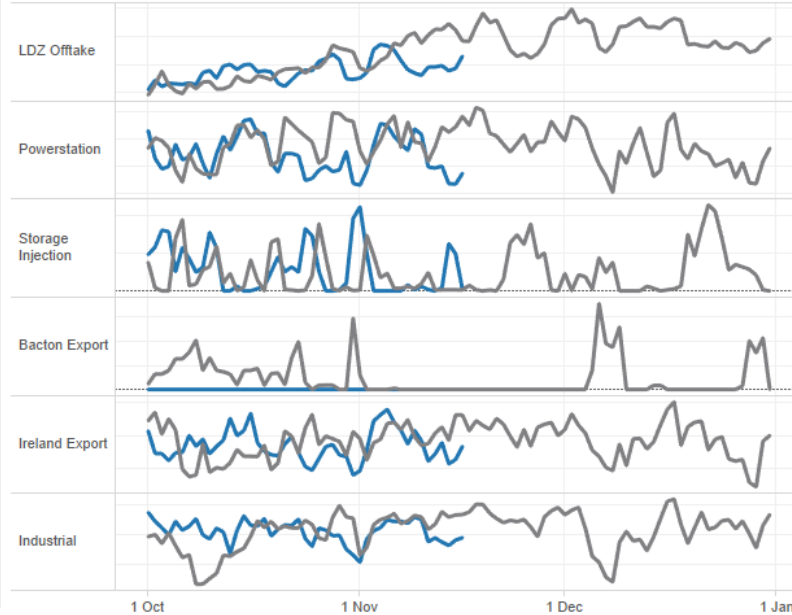


NTS Demand

Average Daily Volume and Range (Winter)



Trend Vs Previous Year



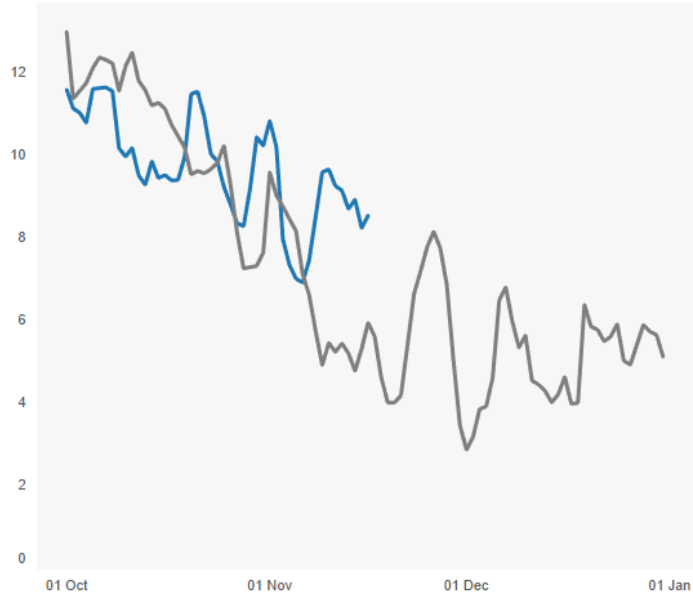
LDZ demand is reflective of the warmer weather experienced in recent weeks.

PS demand similar to demand seen last year.

No Bacton export has been seen so far this winter.

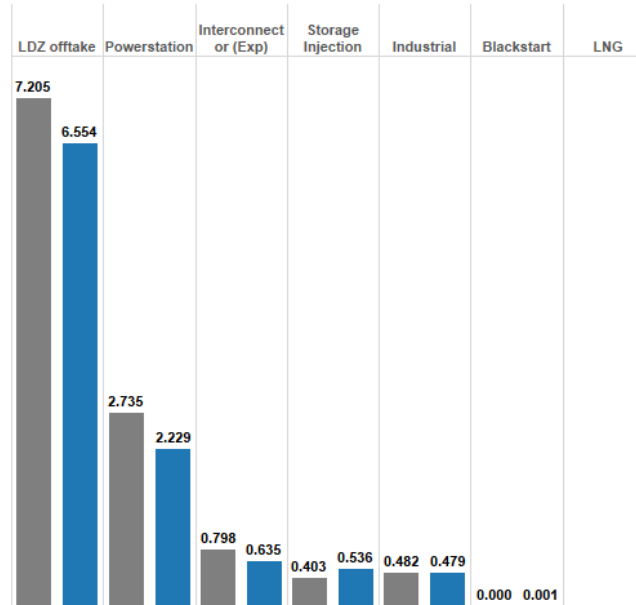
Demand & CWV

CWV



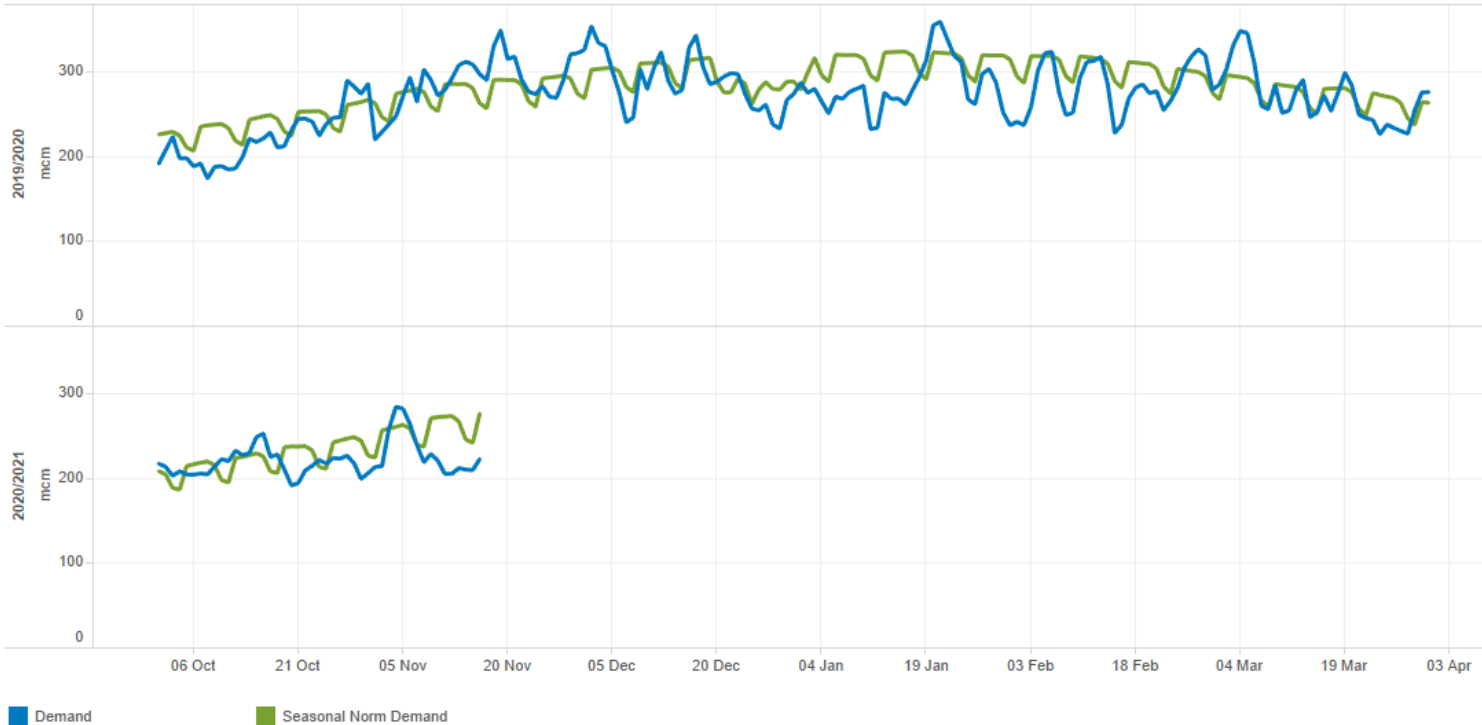
Gas Year ■ 2019/2020 ■ 2020/2021

Demand (BCM, Winter)



This year has seen a significantly higher CWV compared to last year, accounting for the reduced LDZ demand seen.

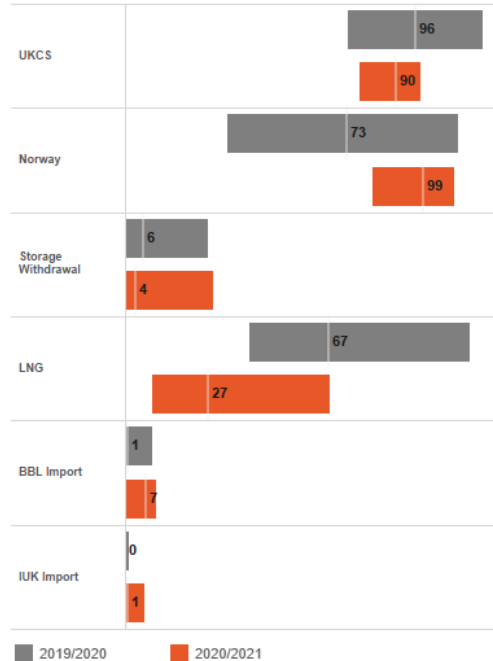
Demand – Comparison to Seasonal Norm



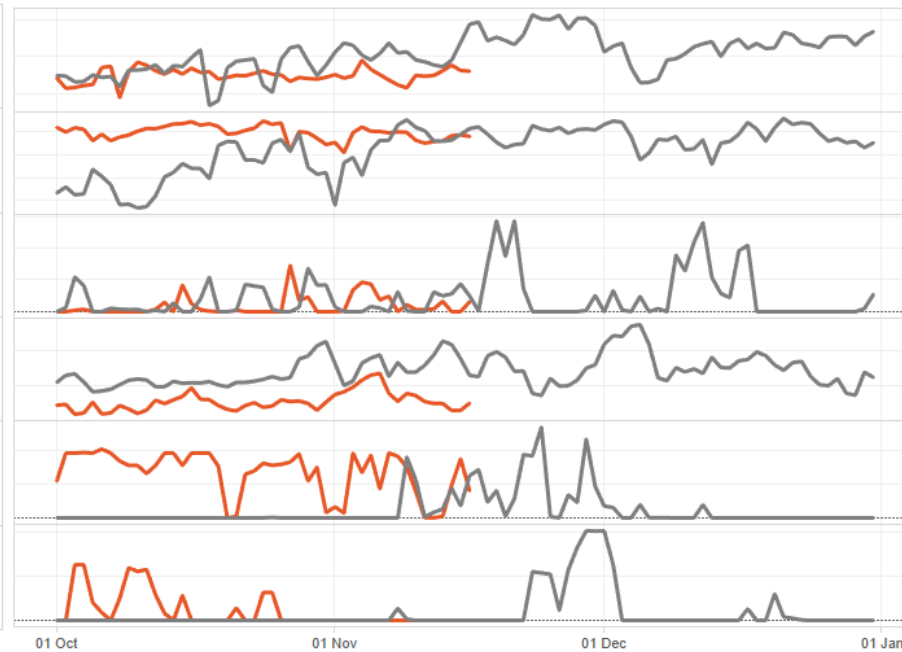
The demand seen over the last month has generally been below the seasonal norm.

NTS Supply

Average Daily Volume and Range (Winter)



Trend Vs Previous Year



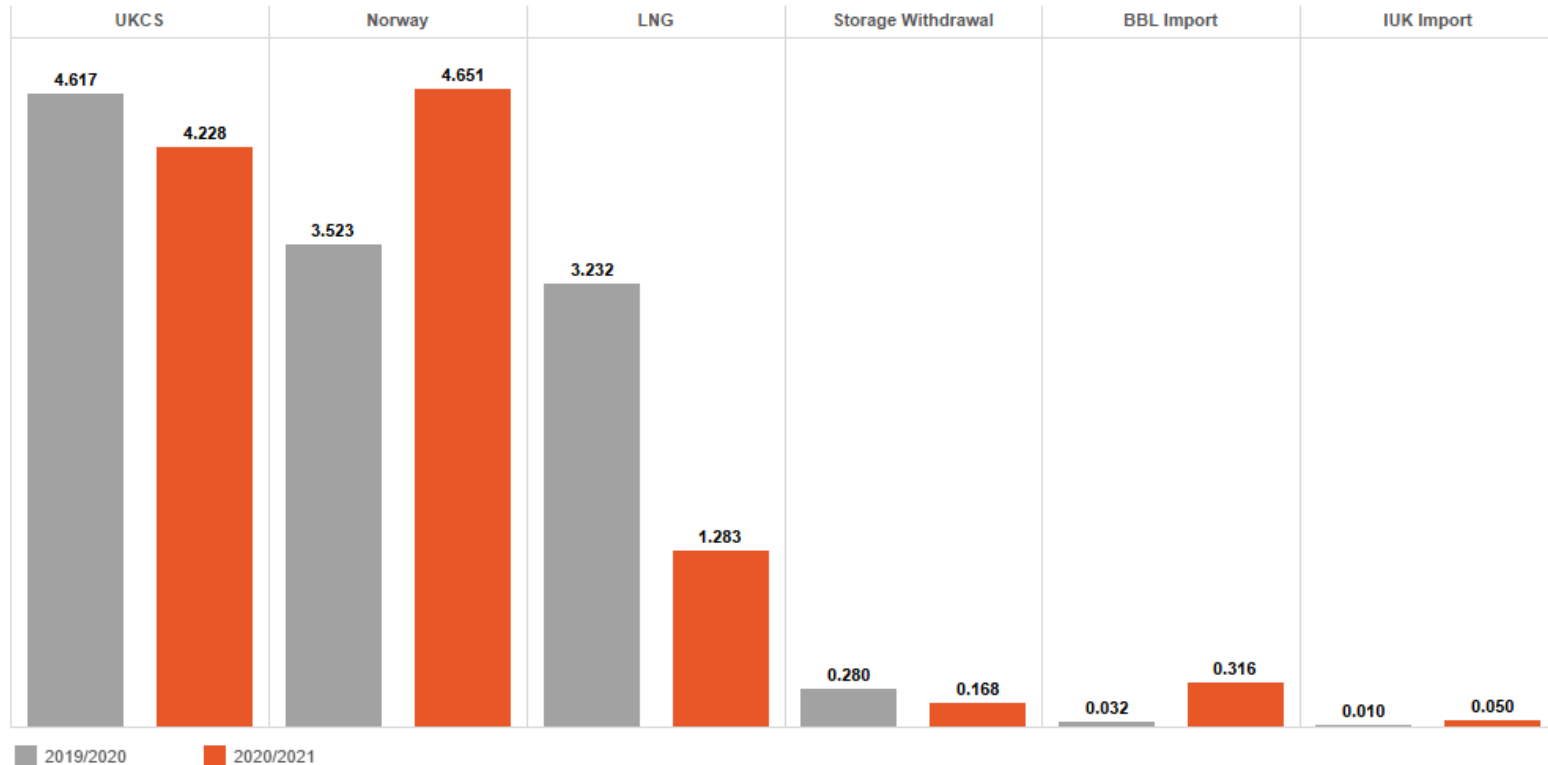
UKCS supplies have been lower than last year.

Supplies from Norway have remained high.

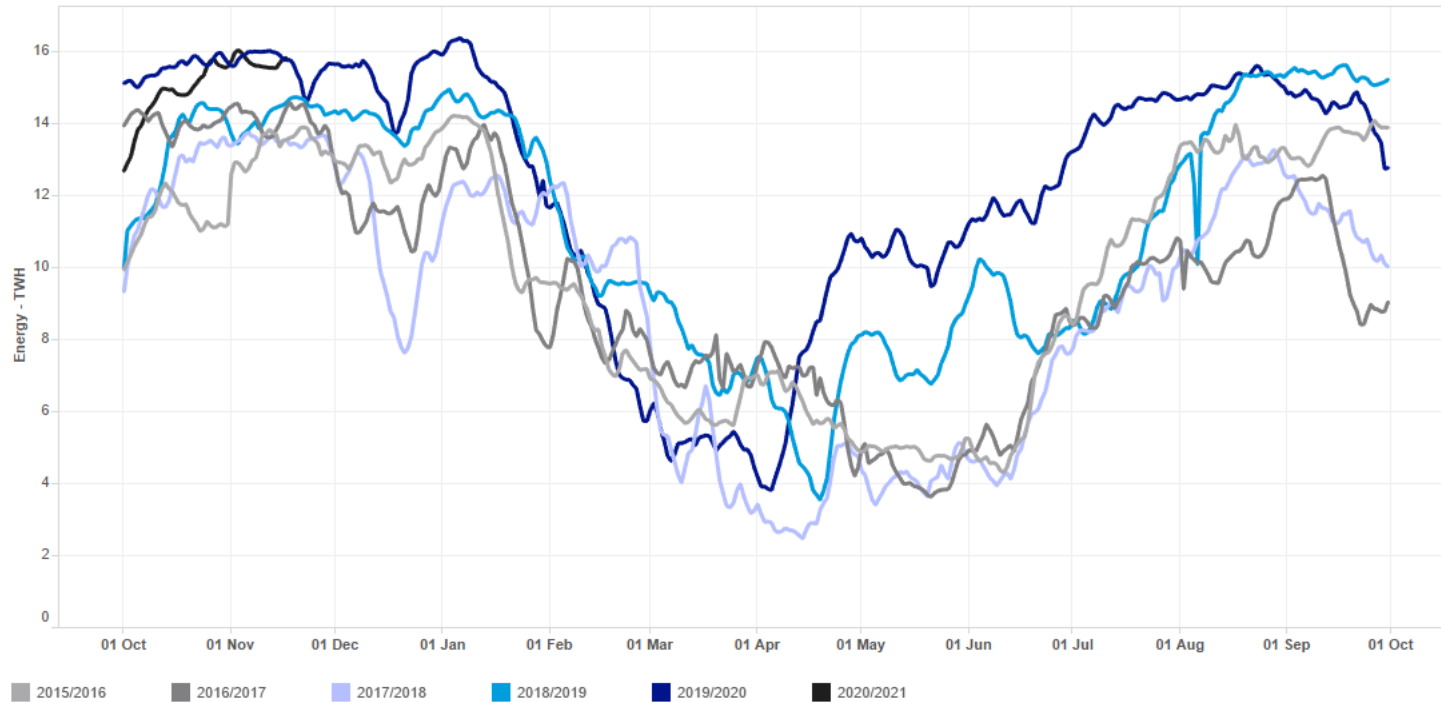
LNG supplies have been lower than last year.

Supply – Yearly Comparison

Supply (BCM, Winter)



Storage Stocks



Storage stocks remain high as we progress further into winter

Interesting Day – 2 Nov 2020

We experienced non-planned operational issues at 19:06 on 2 Nov 2020 and had to take operational actions to protect the network which resulted in a reduction of pressure seen by local power stations and distribution networks.

Controls were put in place and pressure was returned to normal levels by 04:54 on the 3 Nov. We have been investigating the root causes of the incident and remediations in the subsequent days.

We are committed to providing our customers with the optimal grid to aid in the efficient running of their facilities. In this circumstance, as the pressures on the network were in line with operational contracts, there was not any need for market reporting in line with our reporting obligations.

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Brexit: Business Readiness & Customs Update

BEIS

Myra Fazal- Energy Security

HMRC

Amer Masood - Regional Engagement

Customs Capability Lead

Johnny Sow – Strategy Advisor

Joel Mellor

nationalgrid





HM Revenue
& Customs

Customs update - HMRC

- The UK will be introducing border controls at the end of transition period in stages - starting with some controls from **1 January 2021** and moving to full controls for all goods from **1 July 2021**
- The requirement for Safety and Security declarations on import - Entry Summary Declarations (ENS) will be waived for 6 months
- Traders importing controlled goods (such as excise goods) will be expected to follow full customs requirements from **January 2021**
- The UK will join the Common Transit Convention (CTC) in its own right from **1 January 2021** and will be subject to the requirements of the Convention. Moving to these requirements in stages will therefore not be applicable

Import declarations - 1 January 2021 to 1 July 2021



HM Revenue
& Customs

Goods must be pre-lodged in advance of crossing if moving through a listed RoRo port or a location without existing systems or use transit CTC)

- To facilitate readiness, traders moving **non-controlled** goods to GB will be allowed to declare their goods by making an entry into their own records. Information on what is required as part of that record can be found in the Border Operating Model - 1.1.3
- Businesses will be required to keep records of their imports and submit this information, via a supplementary declaration within 6 months of import and pay the required duty via an approved duty deferment account
- Traders moving **controlled goods** (e.g. excise goods) will need to make a frontier declaration. This declaration can be full, simplified, or a transit declaration depending on the trader's authorisation

Export Declarations from 1 January 2021

- Traders exporting goods from GB into the EU will need to submit export declarations for all goods
- Traders will be required to submit Safety and Security information either via a combined export declaration, or a standalone Exit Summary Declaration
- **For excise goods or goods moving under duty suspense only**, if moving the goods through a location that **does not** have systems to automatically communicate to HMRC that the goods have left the country, the trader must provide proof to HMRC **after the goods have left** that the goods have exited GB

Temporary storage and Pre-lodgement

Traders will have to make full customs declarations or use simplified procedures if they are authorised to do so at the point of importation on all goods and pay relevant tariffs. Safety and Security declarations will be required.

Border locations can either use the **temporary storage model**, or the newly developed **pre-lodgement model** (developed as an alternative for where border locations may not have the space and infrastructure to operate temporary storage regimes)

- The **temporary storage model** allows goods to be stored for up to 90 days at an HMRC approved temporary storage facility, before a declaration is made and Government officials can carry out any checks before goods are released from the facility
- The **pre-lodgement model** ensures that all declarations are pre-lodged before they board on the EU side - this will maintain flow, especially at high volume RoRo locations. The GVMS system is being developed to facilitate this.

VAT

- The Government announced at Budget that from 1 January 2021, postponed VAT accounting will be available to VAT registered businesses for imports of goods from all countries, including from the EU
- Traders will not be compelled to do so unless they import non-controlled goods and either delay their supplementary customs declarations; or use the Simplified Customs Declarations process, and make an Entry in Declarants Records.

Overview of GB FTI declarations processes

Estimated Full declaration Process

- FTI operators will need to submit a full declaration into HMRC systems before the first day of each month – providing estimated data.
- Within 90 days of the end of the month the actual volumes will need to be provided to HMRC, who will amend the declarations.
- This allows for the aggregation of declarations across a monthly period.

Entry into declarants records (EIDR)

- FTI operators will be able to fulfil their declaration requirements by completing an entry into their commercial records.
- The entries will be made across a monthly period.
- On the fourth working day of the following month the information will be submitted into HMRC systems via a supplementary declaration
- Under the staging in period – if you are struggling to make declarations in time they can be delayed by up to 6 months from the point of importation between Jan and end of June 21, from July 2021 the supplementary declaration will be due on the 4th working day of the following month.
- The FTI will not require an authorisation to use²⁸ this EIDR declaration process.



Overview of GB FTI declarations process for exports

Estimated Full Declaration Export Process:

- Before the first day of each month, entry is to be made to the CHIEF/ CDS system of the Tariff description, value and quantity of goods expected to be exported and delivered from the FTI during the month.
- This entry will be for a period commencing from an agreed hour on the first day of the month and finishing at the same time on the first day of the following month.
- Within 90 days of the end of each month you must amend the CHIEF/ CDS entry to provide the exact quantity of goods exported through and delivered from the approved FTI during the month.

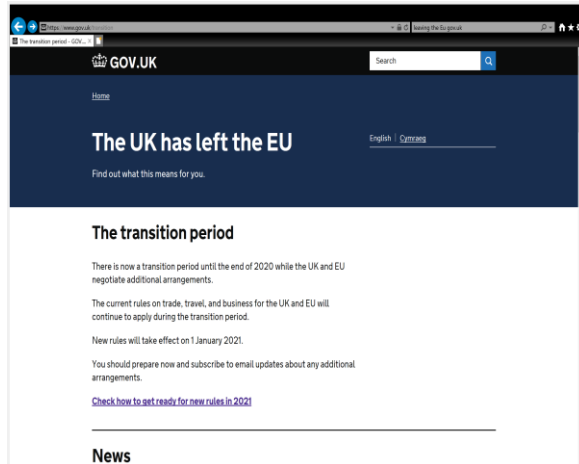
EIDR Export Process:

- FTI operators will be able to fulfil their declaration requirements by completing an entry into their commercial records including the full EIDR data set.
- A supplementary declaration will be required to be submitted within 14 days of the exportation.
- The supplementary declaration will need to be a full fiscal and statistical declaration of the goods exported by pipeline during the period. The Tariff description, value and quantity of oil and/or natural gas imported through and delivered from the approved pipe-line during the month.

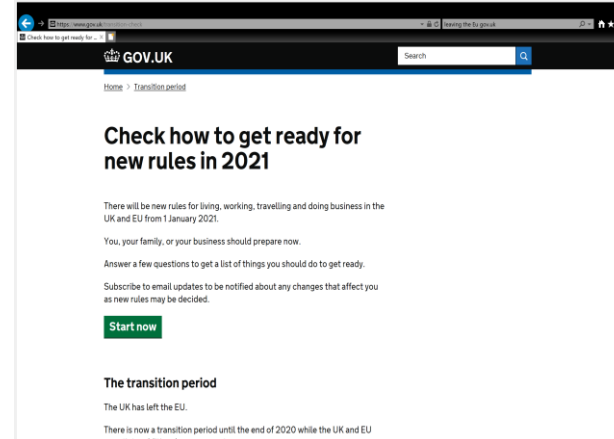


The full range of information on customs, VAT and excise after UK Transition, and more is regularly updated on GOV.UK

Visit <https://www.gov.uk/transition>



Visit <https://www.gov.uk/transition-check>



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Customer Journey Update



Carrie Bury
Customer Journey
Specialist
nationalgrid



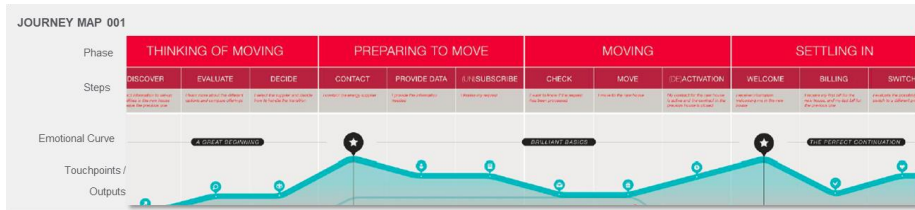
Chris Cortopassi
Customer Journey
Lead



National Grid / Xoserve Journey Collaboration

- Continued focus on collaborative working to improve overall experience
- Journey approach to facilitate review of end to end experience

nationalgrid



- Journeys in progress
 1. Energy Balancing Invoicing
 2. Gemini Site Set Up

Energy Balancing Journey Overview

COMPLETE

DECEMBER ONWARDS

1

DISCOVER

Developing a detailed view of the 'As Is', focusing on pain points



Data



Customer insight



Colleague insight



Process

2

DESIGN

Identifying opportunities to improve the experience



Identifying opportunities



Mapping the target experience



Customer check in

3

DELIVER

Deliver the prioritised improvements



Immediate / In flight



Optioneering



Timeframes

Feedback



Communication

- Query management
- Ability to speak to an individual, not contact a .box
- Understanding needs

Invoice

- Delays have caused scenarios where our customers have been unable to pass on costs
- Unclear how things are calculated

Systems

- Invoice files are difficult to work with and require effort
- Format and method of delivery are difficult

...the circle of doom
(Xoserve to Grid &
back again)

We don't get any
information on how an
issue is progressing

You see a lot of codes
but it is quite confusing
to try and validate

it takes too long to
download the invoice and
understand the format it's
presented in

I don't know who does
what, I have to line
everyone up myself

Queries...disappear
for a week or two

...it could be months after the
fact. Extra work is created for
us having to identify what the
invoice relates to.

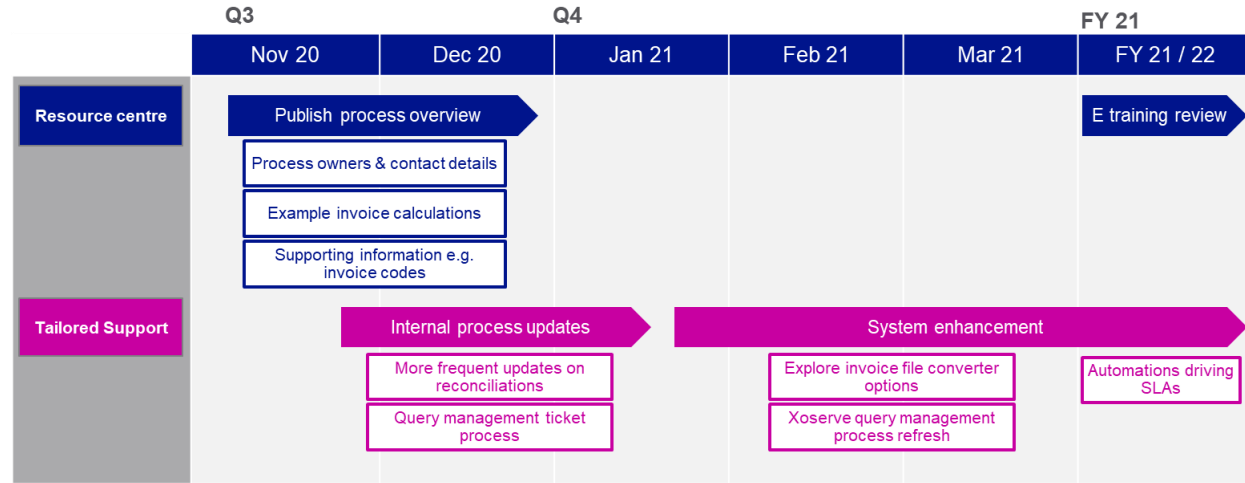
Change plan: focus areas

Resource Centre

Improving information available to you with transparent processes and contacts

Tailored Support

Focus on providing more regular updates and tools to assist you



For further info or to provide feedback contact:

carrie.bury@nationalgrid.com or chris.cortopassi@xoserve.com

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OCM Contingency Exercise



Tom Lane
Principal Energy
Strategy and
Development Analyst



Scott Keogh
Senior Settlements
Analyst

nationalgrid



Summary

- Our primary balancing tool for the NTS is the On-the-day Commodity Market (“OCM”) – predominantly as title trades at the NBP.
- In the event National Grid can’t access the OCM, and there is a requirement for balancing trades, National Grid will invoke contingency arrangements.
- This involves those who trade on the OCM using forms found on our website to submit bids/offers via email. Instructions provided via ANS.
- These have recently been reviewed, working with ICE and Xoserve.
- We’d like to test the OCM contingency arrangements and are therefore planning an exercise in March 2021 (date TBC).

Benefits

- Ensure familiarity with contingency procedures.
- Reduce imbalance risk in contingency scenarios.
- Provide input and feedback to shape the future arrangements.

What do we need?

- To facilitate testing of the OCM contingency arrangements shipper involvement will be required, if you would like to take part in the exercise please register your interest by voting and registering your email address into the slido poll, or email directly to - box.NTS.EnergyBalance@nationalgrid.com
- We're happy to setup calls/meetings to discuss further and answer any questions

What would you need to do?

1. Monitor ANS messages throughout the exercise
2. Submit trades via email to GNCC
3. Acknowledge National Grid confirmation of accepted bids and offers

Findings, lessons learnt and subsequent updates to any processes will be shared once the exercise is completed

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Enabling Net Zero: Gas Future Operability Planning



Suki Ferris
Development Lead

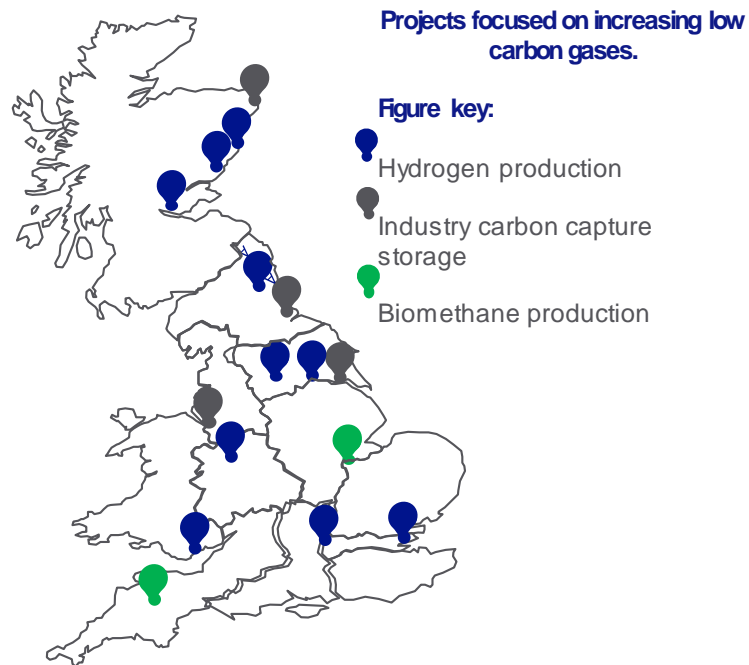
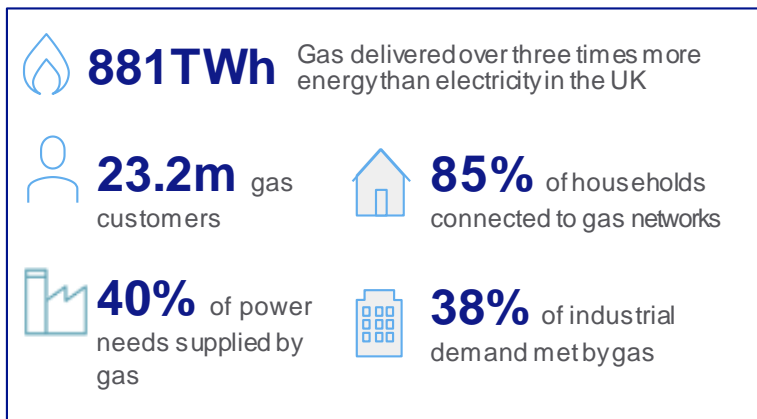
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Achieving net zero by 2050

The United Kingdom (UK) became the first major economy to commit to achieving net zero carbon emissions by 2050. Setting these legally binding targets will lead to unprecedented changes across the UK's energy landscape.

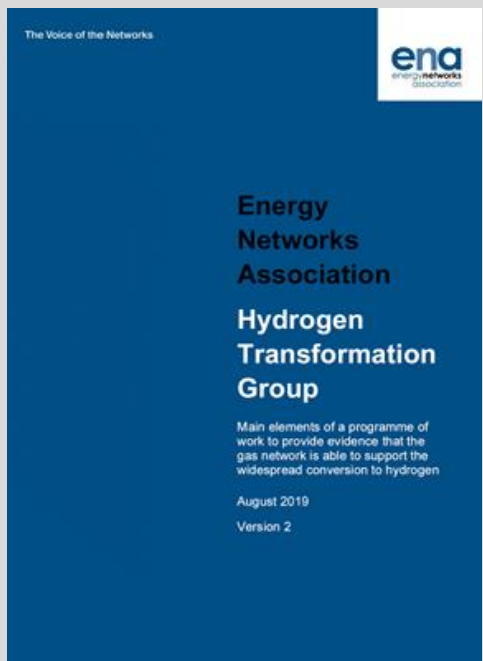
2018/2019 gas year:



The latest GFOP document explores how the NTS could enable the UK to achieve net zero at least cost and disruption to consumers by making the most of this existing national asset.

Collaboration across the industry to achieve net zero

Hydrogen
Transformation
Group
BEIS Report

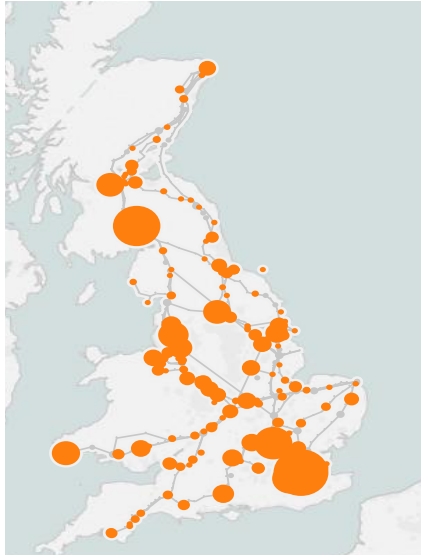


Gas Goes Green
Energy Networks
Association

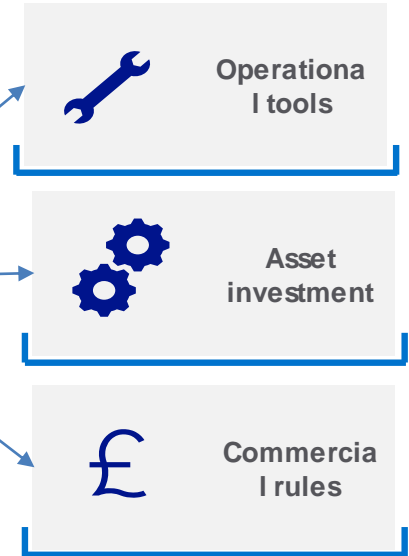
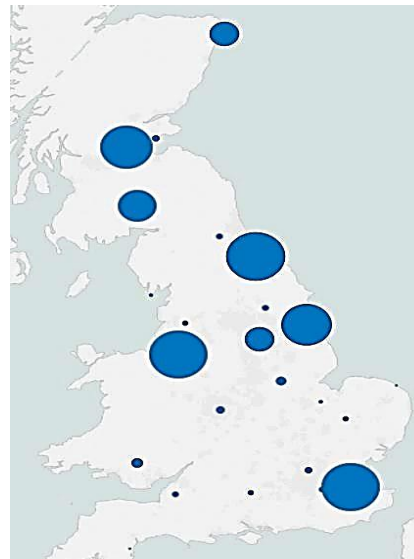


Role 1: Natural gas NTS in a net zero 2050

2018/19 aggregated natural gas demand on the NTS



2050 aggregated natural gas/biomethane NTS demand

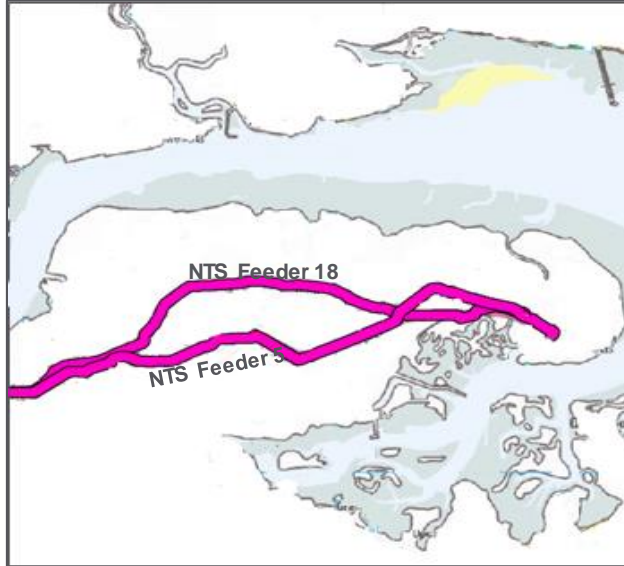


slido Poll question:

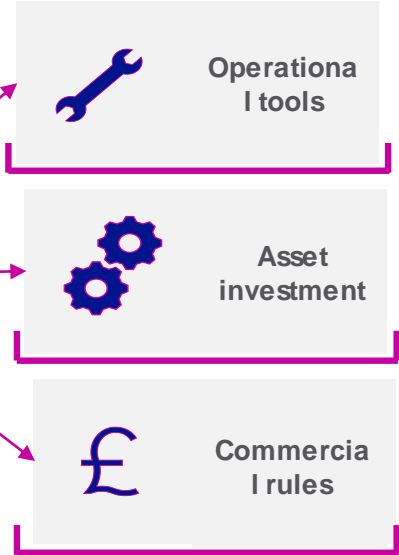
Do you think blue hydrogen will be produced at large scale in a few (i.e. 6 to 10) sites by 2050?

Role 2: Hydrogen NTS in a net zero 2050

Hydrogen NTS on the Isle of Grain



— National Transmission System repurposed to hydrogen (illustrative)



slido Poll question:

What gas quality forecasts or information do you think you would need if a potential transition to a Hydrogen NTS involves hydrogen blending?

We want to collaborate with you.

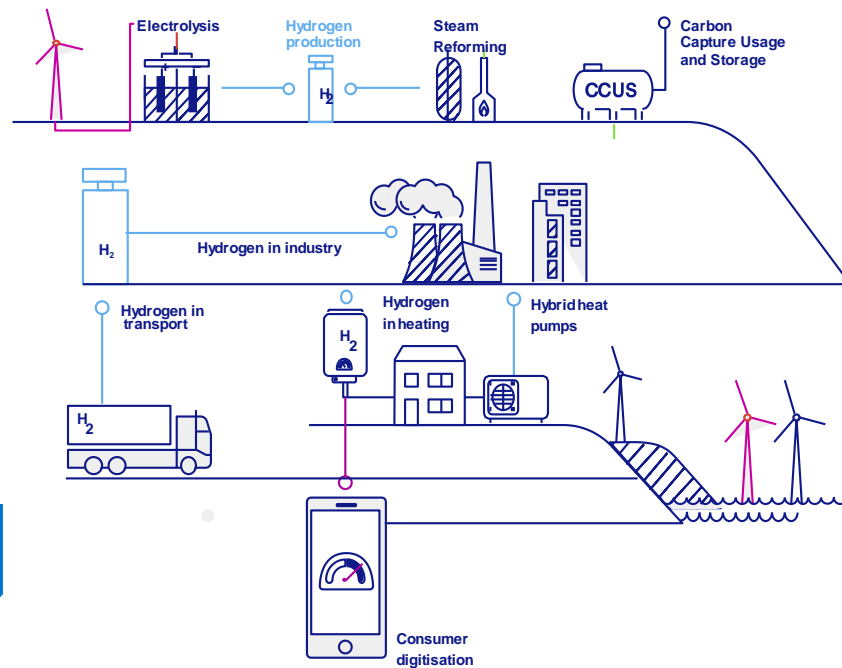
We want to work with you to shape solutions that enable a net zero future for the UK.

Your feedback will help to maximise the value the NTS can deliver now and in a net zero future. We look forward to hearing from you.

Thank you!

To get involved in the GFOP programme,
please get in touch with us at:

.box.operationalliaison@nationalgrid.com



Gas Transmission

Digital Strategy & Information Provision



**Dr Richard
Dobson**
Technical
Collaboration
Consultant



Harj Kandola
Data Integrity
Manager



Martin Cahill
Operational
Liaison Lead

nationalgrid

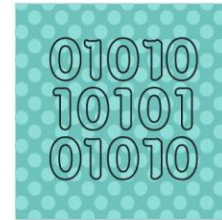


Energy Data Taskforce

Dr Richard Dobson

19th November 2020

 @EnergySysCat 



A Strategy for a Modern Digitalised Energy System

- In October 2018 the Energy Data Taskforce was established to provide Government, Ofgem and Industry with a set of recommendations on how data can assist with unlocking the opportunities provided by a modern, decarbonised and decentralised Energy System at the best value to consumers.

- In June 2019 the Energy Data Taskforce published a report entitled

A Strategy for a Modern Digitalised Energy System

which presents five key recommendations that will modernise the UK energy system and drive it towards a net zero carbon future through an integrated data and digital strategy throughout the sector.

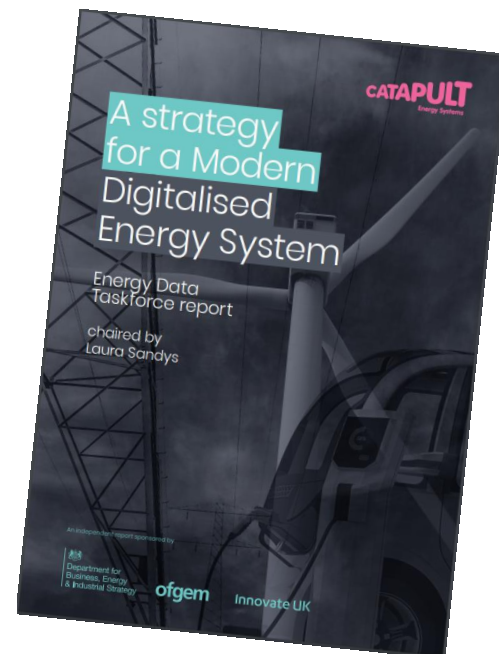
Commissioned by:



Innovate UK



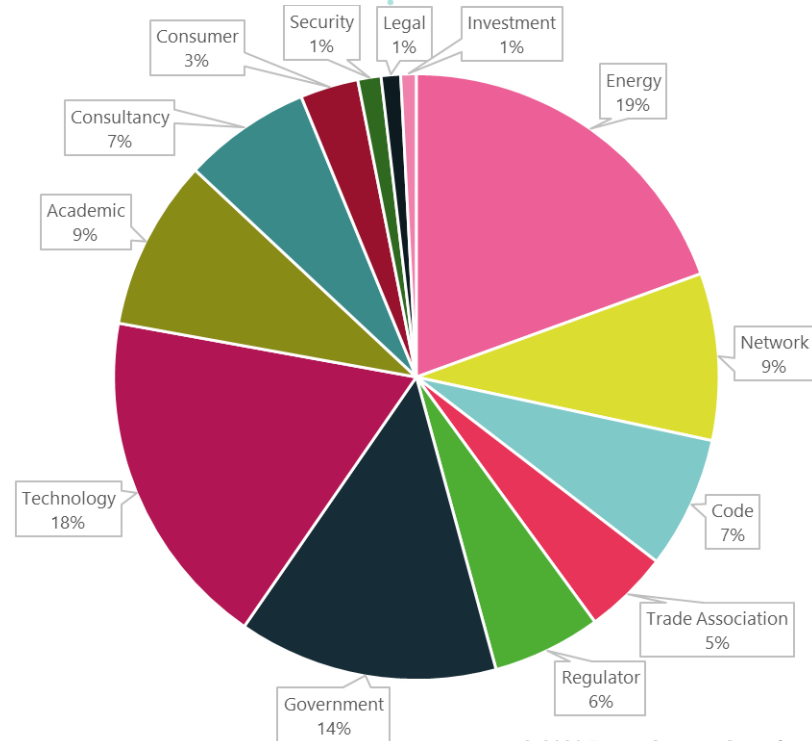
Department for
Business, Energy
& Industrial Strategy



Engagement

Goal: to understand the needs of prospective data users and identify data best practice

- > 300 unique stakeholders meaningfully engaged in initial 9 month project
 - Rising to > 500 unique stakeholders in subsequent work (Energy Data Best Practice)
- Circa 50% of engagement from incumbent energy sector
- Actively seeking views from outside of the sector to bring in new ideas



What did stakeholders tell us?

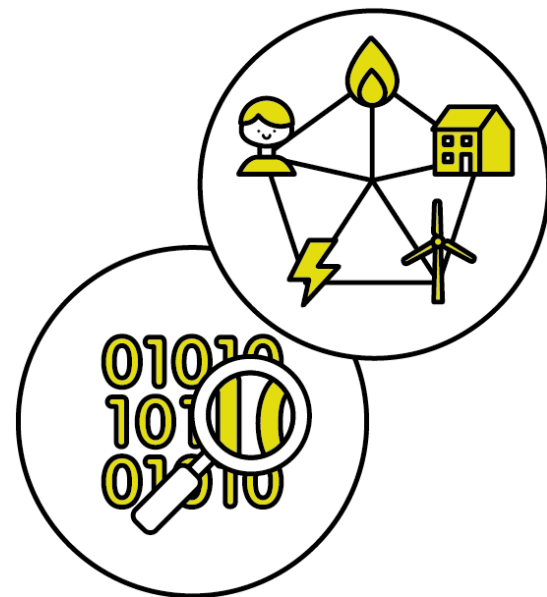
Energy Data is an essential resource for decarbonisation planning and action, especially cross vector / sector

Many stakeholders do not know what data exists

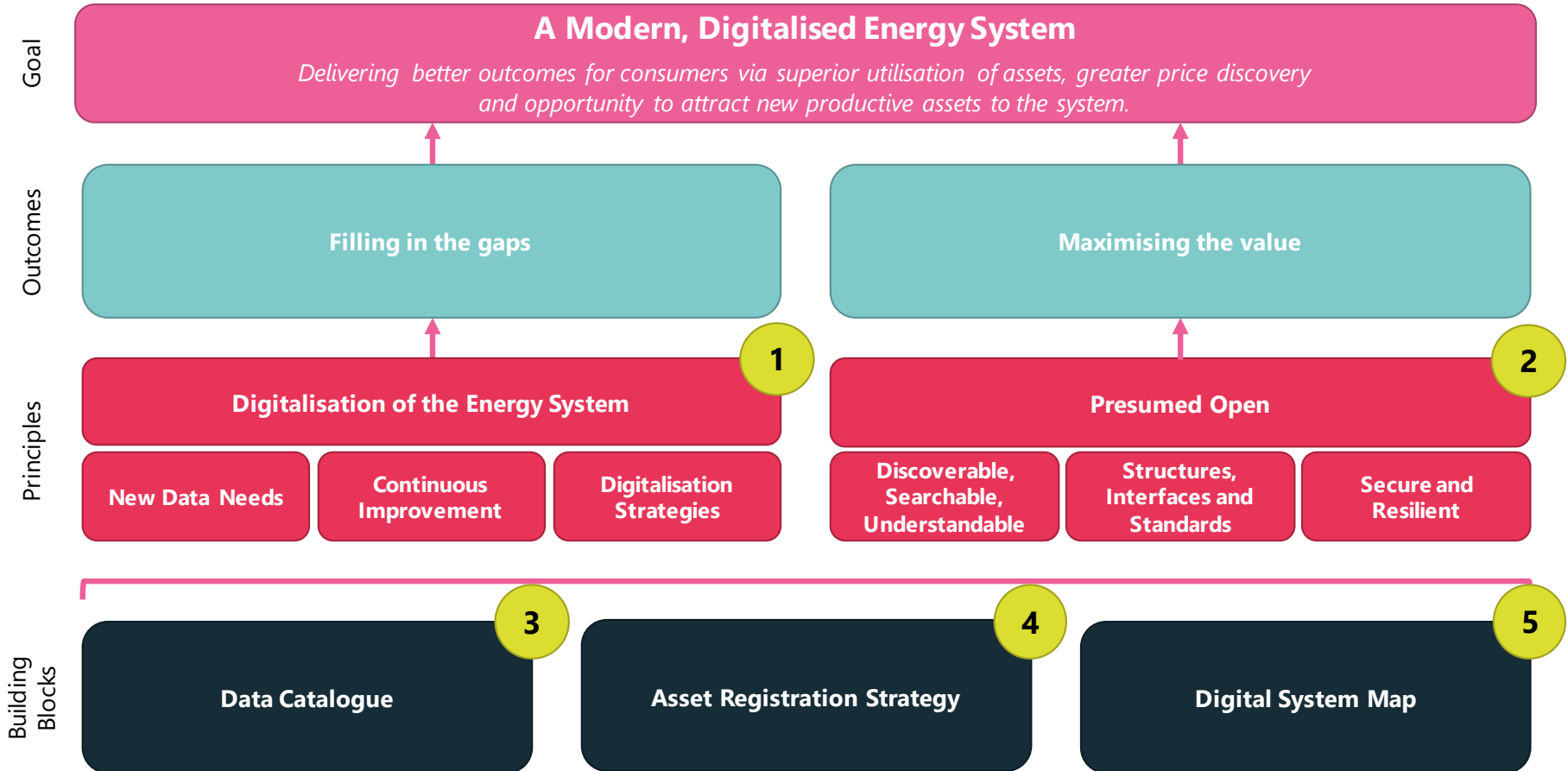
There are many areas of 'missing' data and 'poor quality' data which inhibits innovation

Data and digital skills are lacking across the sector

Data interoperability is poor which makes data driven innovation more challenging



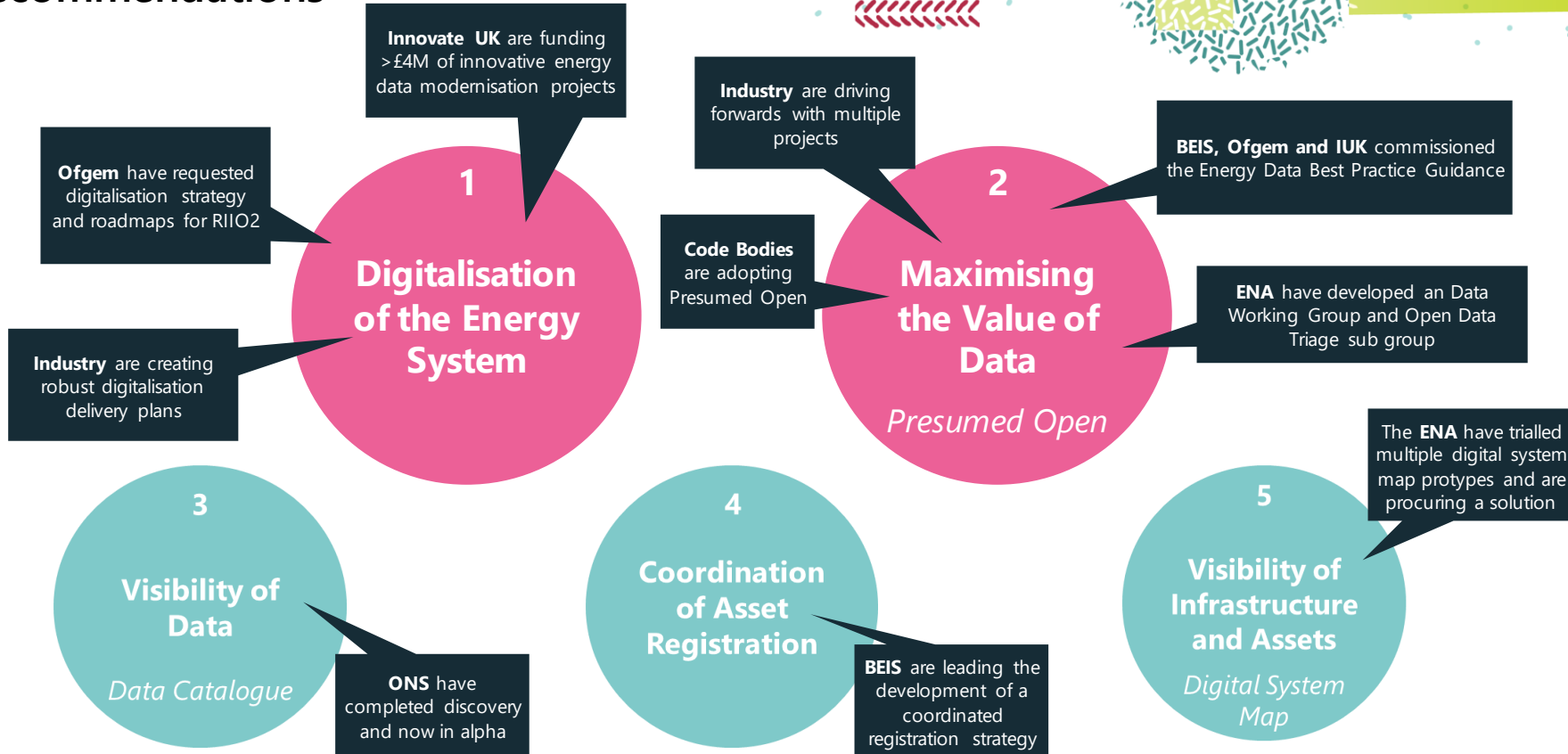
A Strategy for a Modern Digitalised Energy System



Energy Data Taskforce Recommendations

Principles

Building Blocks



Digitalisation Strategy



Harj Kandola
Data Integrity
Manager



Martin Cahill
Operational
Liaison Lead

national**grid**



Modernising Energy Data

The Energy Data Task Force (EDTF) made five key recommendations:

1. **Digitalisation** of the energy system
2. **Maximising** the **value** of data
3. **Visibility** of data
4. Coordination of **asset registration**
5. **Visibility** of infrastructure and assets



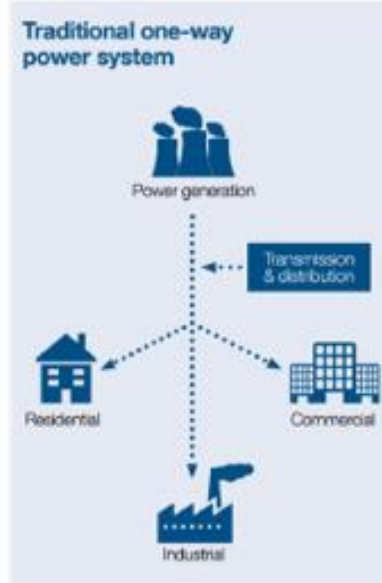
CATAPULT
Energy Systems

“Digitalisation releases value, opportunity and resilience, enabling decarbonisation and de-centralisation to be delivered at optimal cost for the benefit of consumers”

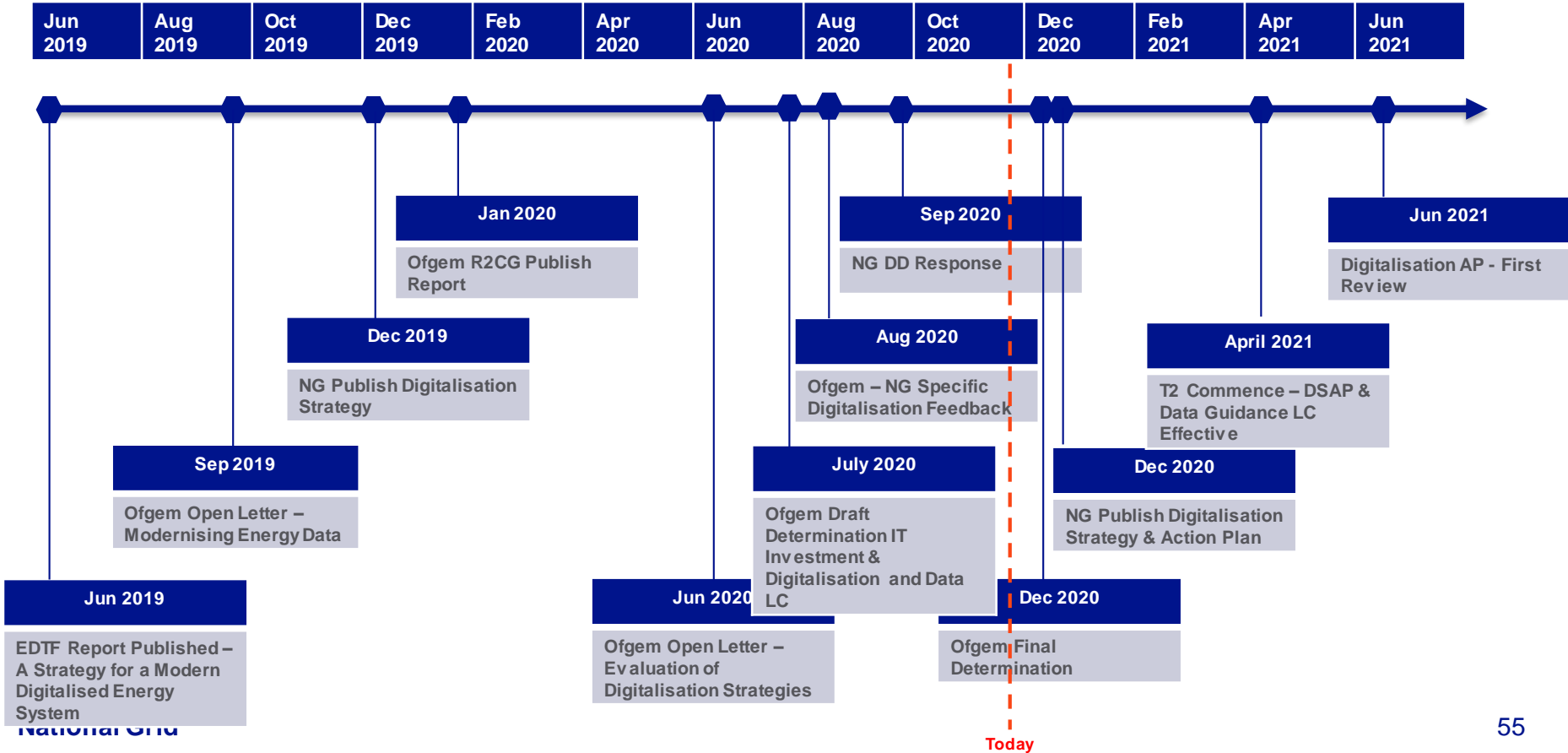
Data Working Group

Energy Network Association (ENA) has set-up an **Energy Data Working group** to cover Gas & Electricity across UK & Ireland.

The Data Working Group is supporting the delivery of the **Energy Data Taskforce** recommendations.



Digitalisation Strategy Timeline



Digital themes

I want to take gas on and off the Transmission system where and when I want

I want you to be efficient and affordable

I want you to facilitate the whole energy system of the future
– Innovating to meet the challenges ahead



Optimised System Operations

We will utilise **smart tooling** to help us understand the **drivers** and **behaviours** of our customers and the **impact** of our **actions** and **decisions**.

I want all the information I need to run my business, and to understand what you do and why



Market & Customer Insights

We will have **clear processes** and provide greater **understanding** of our **interaction** with customers and their needs .

I want to take gas on and off the Transmission system where and when I want

I want you to be efficient and affordable

I want all the information I need to run my business, and to understand what you do and why



Data Driven Asset Management

We will collate **more data** on our assets than ever before and use this to **understand risk** and make **informed decisions**.

I want you to be efficient and affordable



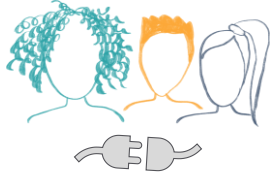
Plant Operations Enablement

Our Plant Operations field force will be **empowered** to make the **right decisions** and have everything they need on their **mobile** devices.

We are revising our Digital Strategy to align more with the EDTF recommendations & Ofgem Feedback

Recommendation	Digital Theme	Alignment
<p>Digitalisation of the energy system</p> <p>Organisations should adopt the principle of digitalisation of the energy system in the consumers' interests</p>	All	Our digital strategy for internal processes seeks to maximise value across our business processes. This digital strategy strongly aligns with the EDTF recommendations on the digitalisation of energy networks.
<p>Maximising the value of data</p> <p>Energy system data should be presumed open</p>	Market & customer insights	Through the Gas Information Provision project we have facilitated easier access to market data. With the Operational Forum we have also created a mechanism which allows the market to request new data to be added.
<p>Visibility of data</p> <p>A data catalogue, data triage processes to allow energy system datasets</p>	Market & customer insights	We are participating in the Energy Network Associations (ENA) discussions on establishing an industry wide catalogue. As above, we already provide additional data via Gas Information Provision Platform (MIPI) to the market using triage process
<p>Coordination of asset registration</p> <p>An asset registration should be established</p>	Not applicable	In discussion with ENA, we believe this recommendation is not applicable to Gas Transmission.
<p>Visibility of infrastructure and assets</p> <p>A unified digital system map of the energy system should be established.</p>	Data driven asset management	We publish our pipelines and site data on our website. We are participating in the ENA establishment of an Energy Systems Map.

We're aligning our strategy with our Data Customers' needs



Customers & Stakeholder

“We want data that supports innovation, decarbonisation, commercial decision and drives more efficient asset, commercial management”

ofgem

“We want transparent and efficient business plans and annual reporting, supported by granular data-driven cost and engineering justifications”



Wider Innovators

“We want quick access to a diverse range of data in standardised, easy to access formats”



Our Engineers / Asset Managers/Analytics Teams

“We want high quality and easy to use digital tools and data that enable innovation in decarbonisation and efficient asset management”

New Gas Prevailing View

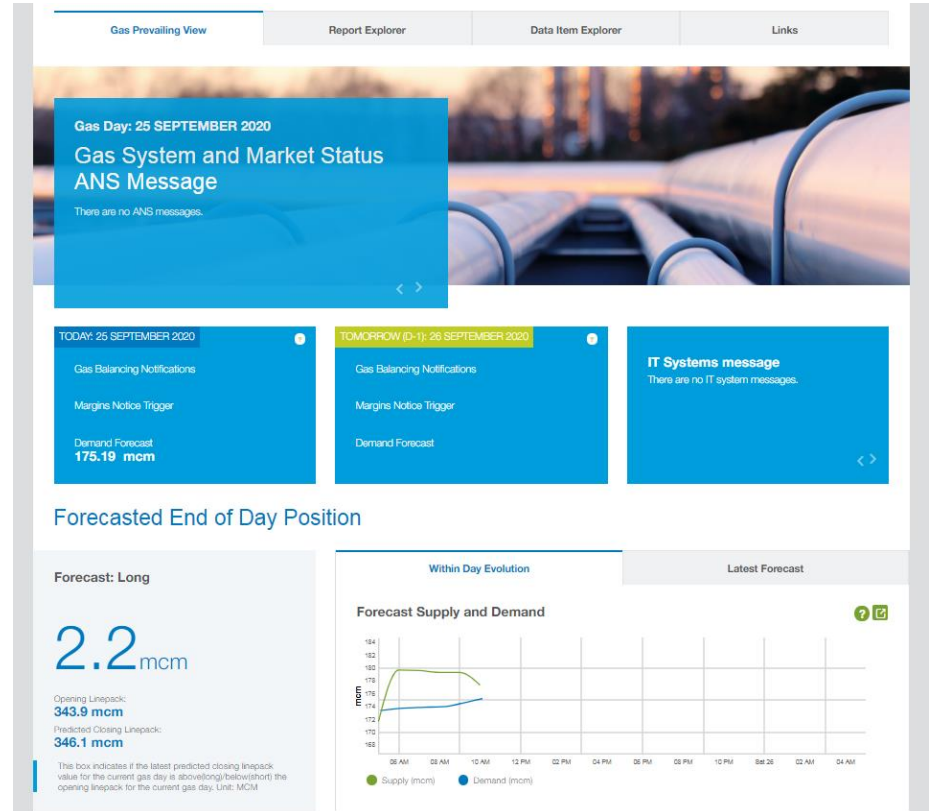
We have already completed some work to enhance our data provision in line with the EDTF themes of **Visibility of Data** and **Maximising the Value of Data**.

The **Gas Prevailing View** is the primary mechanism for providing access to our operational gas data.



Engagement with our customers and stakeholders has made our key operational data:

- **Easier to find** through improved user experience
- **Easier to use** through improved layout and visualisation
- **Easier to understand** by enhancing supporting material such as data dictionaries



Data Collaboration Timeline

We host a **data collaboration platform** to maximise the shared value of open and real-time information.

nationalgrid Gas Operational Data Community

New Data Requirements Discussion Board Key Documents News Login

Gas Operational Data Community

The purpose of this site is to enable collaboration within the market, providing further transparency of gas operational data. This will enable NG to communicate to

Discussion Board

We want to hear about what's important to you. This is your discussion board to raise questions, suggest topics and collaborate across the industry. The more topics suggested and the more people involved, the richer the information we can all glean. This in turn increases the ability of the whole collaborative Gas Community to drive efficiencies and generate better outcomes for our end consumers. Talk about this site to your colleagues across the industry and let's all get involved in shaping this change.

Note: You can start or take part in a discussion anonymously if you wish, with only the site administrators able to identify the person posting the comment.

Create Post

Showing 18 existing topics

- Speak to Gas Operations
- Tutorials and guides
- Webinar recordings of the Operational Forums and our Covid webinars
- Free data downloads



- Webinars**
Find recordings of recent industry webinars here
- Gas Network Capability**
Understanding the ability of our network to meet the needs of customers and...
- COVID-19 Webinars**
Here you can find materials from Gas Operations Webinars provided in response to...
- Custom Data Download Tool**
Here you can find supporting documents for the new tool, as well as a brief...
- Gas Deficit Warning and Margins Notice Changes**
- Guides**
Guides and how-to's relating to Gas Ops Data.
- Useful information**
A selection of documents relating to Gas Operational Data that we hope you find...
- Video Archive**
A selection of useful videos related to National Grid Operational Data.
- Prevailing View - New designs**
This page includes the new designs for Prevailing View, which we are keen to...
- Gas Ops Forums**
Throughout the year, we hold regular Operational forum meetings.

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

Quick poll – slido.com #GasOps20

 Do you find the Gas Operational Data Community site useful?



nationalgrid Gas Operational Data Community New Data Requirements Discussion Board Key Documents News Login

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nationalgrid Gas Operational Data Community New Data Requirements Discussion Board Key Documents News Login

Discussion Board

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Note: You can start or take part in a discussion anonymously if you wish, with only the site administrators able to identify the person posting the comment.

Create Post Showing 18 existing topics

Data Triage Process

We have completed some work and presented it at the Transmission Working Group.

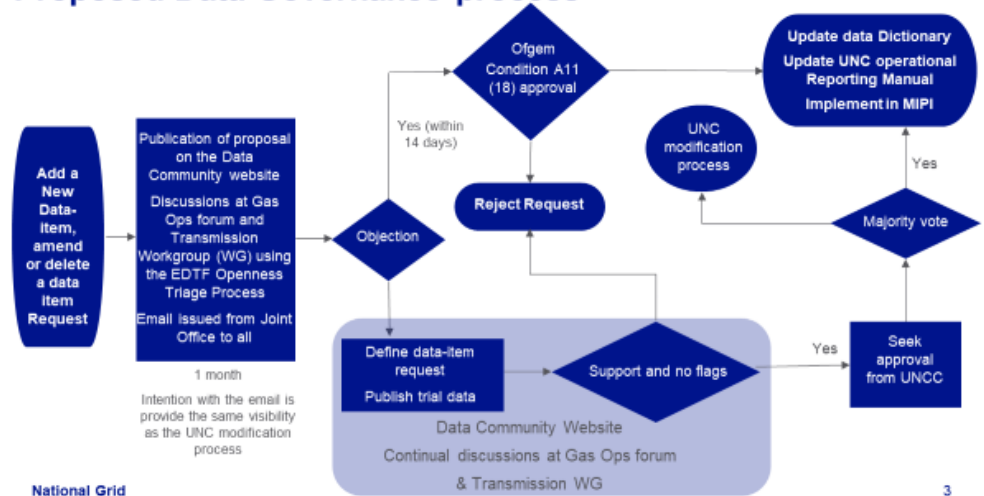
The **Data Triage Process** ensures the community can identify areas for change and that there is **transparency** of the change process.

The proposed governance process for changes to data terms is designed to be simple, agile and easy to engage with.

- **Easier to propose and amend data** through reduced barriers to entry
- **Easier to use** through improved transparency
- **Easier to understand** through use of simple language



Proposed Data Governance process



National Grid formulated this governance model and fed it into the ENA working group

Data Dictionary

The Data Dictionary has also been supported by the Transmission working group.

The Data Dictionary ensures a single, accessible version of the truth for data terminology.

The UNC Data Dictionary is subordinate to the UNC Operations Reporting Manual (UNCORM). When a change is required to the UNC data Dictionary this is completed via an update to both the UNCORM and the Data Dictionary

- **What** data items are available
- **Where** data items are stored
- **Which** data is obligated and or non-obligated

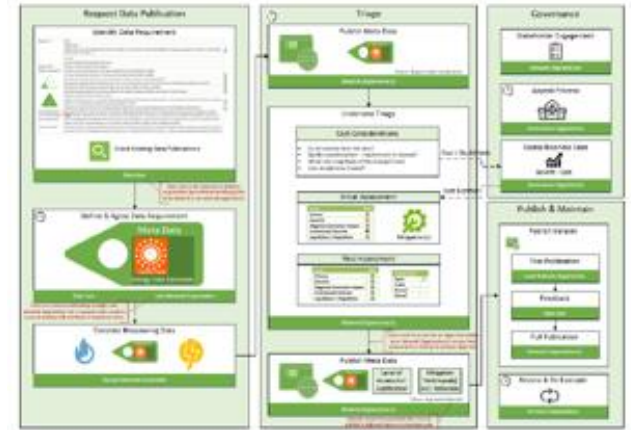
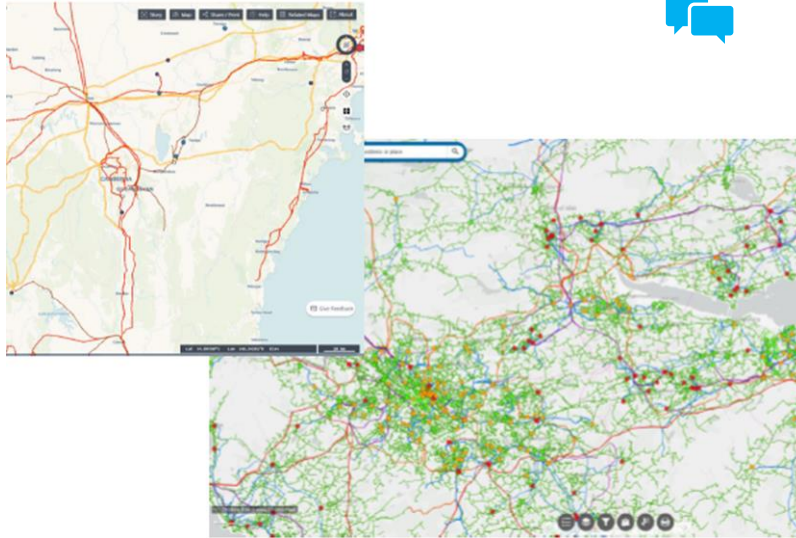
A screenshot of the Joint Office of Gas Transporters website. The page title is "Transportation Principal Document". The header includes a search bar, "Newsletter", and "What's New". A navigation menu lists: Events, Modifications & Workgroups, Committees & Forums, Network Code, Industry Information, About Us, Help, and CACOP. On the right, there is a "UNC Related Documents" sidebar with a list: General, Transportation Principal Document, Offtake Arrangements Document, and European Interconnection Document. The main content area shows two documents:

Document Name	File Type	Size
UNC Operations Reporting Manual Version 14 (16 October 2020)	pdf	199.35 KB
UNC Data Dictionary Version 14 (16 October 2020)	xlsx	821 KB

The dictionary follows principles from the Dublin Core (industry driven standards).

<https://www.gasgovernance.co.uk/tpddocs>

ENA Data Working Group Initiatives



Quick poll – slido.com #GasOps20



Would the triage process be useful to you?
Please explain your answer.

Quick poll – slido.com #GasOps20



How would you like to engage in our shared data future?

- Regular webinars
- Newsletters
- Data collaboration site
- Other

Next steps for the digital strategy

- Analyse your feedback
- Update our thinking
- Develop engagement programme to continue to develop the strategy
- December - Data strategy submission to Ofgem
- Working with you to deliver through RII0-2

Gas Transmission

Updates



Joshua Bates
Operational Liaison &
Business Delivery Manager

nationalgrid



Entry Capacity Auction Timings

Day Ahead Daily System Entry Capacity (DADSEC)

Bid Window: *D-7 05:00 to D-1 01:00*

Allocation Windows: *D-1 14:00, 17:00 & 01:00*

Within Day Daily System Entry Capacity (WDDSEC)

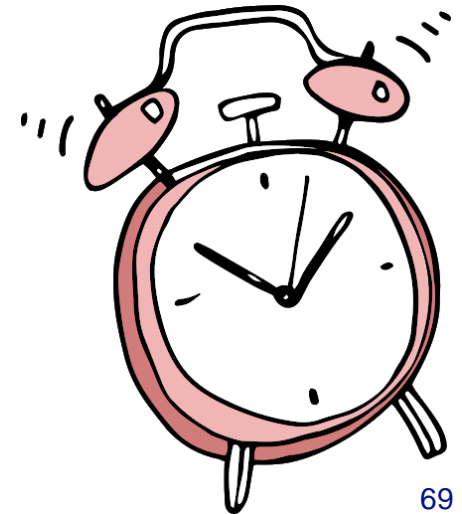
Bid Window: *D-1 02:00 to D-0 01:00*

Allocation Window: *D-0 06:00 to D-0 02:00*

Daily Interruptible System Entry Capacity (DISEC)

Bid Window: *D-7 05:00 to D-1 13:00*

Allocation Window: *D-1 13:01 to D-1 15:00*



Exit Capacity Auction Timings

Day Ahead Daily Exit Capacity (DADNEX)

Bid Window: *D-7 05:00 to D-1 14:00*

Allocation Window: *D-1 15:00 to D-1 16:00*

Within Day Daily Exit Capacity (WDDNEX)

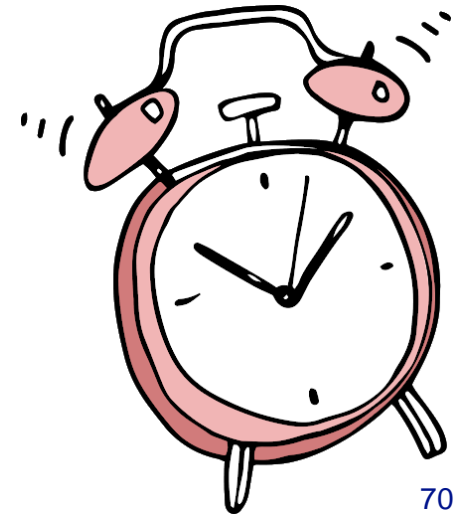
Bid Window: *D-1 14:00 to D-0 00:00*

Allocation Windows: *D-0 08:00, 14:00, 18:00, 22:00 & 01:00*

Daily Off-Peak Exit Capacity (DONEX)

Bid Window: *D-7 05:00 to D-1 14:00*

Allocation Window: *D-1 15:00 to D-1 16:00*



Definitions and General Rules

Definitions

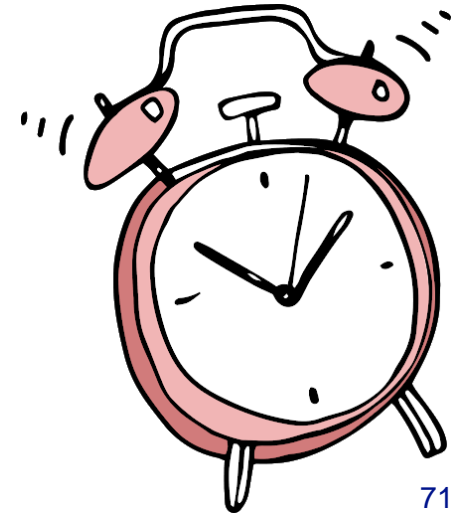
Bid Window: *Defined as the start and end times that Shippers can place bids for capacity, on Gemini.*

Allocation Window(s): *Defined as the time at which the bid is allocated. This may be illustrated in the form of a 'bid window' and will therefore be allocated between the two times stated or, will be allocated at set times throughout the day.*

E.g. WDDNEX - D-0 08:00, 14:00, 18:00, 22:00 & 01:00

General Rules

- *Bids cannot be submitted once a bid window has closed.*
- *Bids are allocated in descending price order.*
- *Bids placed will be allocated at the next allocation window.*



PRISMA – Shipper Registration and User Management

PRISMA updates expected in Jan 2021 to improve the current Shipper Registration and User Management process.

- Separate processes for **Organisation registration** and **User registration**;
- Shippers required to appoint a ‘**Shipper Admin**’;
- New User registration requests to be approved by Shipper Admin and acceptance of new Users by TSO can be automated - saving time for shippers/TSO’s (*expected that NG will adopt new user auto-approval*).

- **Specific registration steps for NG -**
 - Company Register Extract - Digital (email)
 - PRISMA Shipper Admin Power of Attorney - Digital (email)
 - Shipper Short Code - Digital (email)
 - VAT Registration Number - Digital (email)
- Registration and User Management requests/issues managed by Xoserve Customer Lifecycle team
customerlifecycle.spa@xoserve.com

Gas Quality Blending Services Webinar

Upstream Stakeholders have expressed an interest in NG developing gas Quality Blending services at entry points to maximise the recover of UKCS gas

You can view the webinar from 13th October online via the Data Community site – please see the webinars page

<https://datacommunity.nationalgridgas.com/key-documents/webinars/>

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
-

Shaping the Future of Gas Transmission

– remaining webinars

There are three remaining webinars from the month-long webinar series on ‘shaping the future of gas transmission’ and you can sign up below.

Heating our homes in a Net Zero future	Fri 20 th Nov @ 9.00 – 10.00	Register here
Planning the network	Mon 23 rd Nov @ 14.00 – 15.00	Register here
HyNTS FutureGrid	Tue 1 st Dec @ 14.00 – 15.00	Register here

MIPI Data Enhancements – hover over definitions

We have recently completed a piece of work to update the UNC Data Dictionary which acts as a reference document for all the data stored on our MIPI Data Item and Report Explorer websites.

There is also some potential scope to include as part of this work an update to all the hover over definitions for the data items in the data item explorer to align with the dictionary and to add further definitions.

We welcome your thoughts on if you think this piece of work would be worth doing and if you think it would add value for all the data items in our data item explorer.

The discussion board can be found on the data community site:
<https://datacommunity.nationalgridgas.com/discussion-board/>

Gas
Transmission

Gas Transportation Charges Update

19 November 2020

Colin Williams

Commercial Codes Change Manager

+44 (0)7785 451776

Colin.williams@nationalgrid.com

nationalgrid



Overview

- The new gas charging regime (UNC678A) came into effect from 01-Oct-20
- Monitoring and reflecting on the impacts of the new regime from October had been planned post implementation
- Even though new regime has been in place for just over a month, we believed it necessary to share this update at the earliest opportunity due to under recoveries and impacts of capacity neutrality seen in October 2020
- This, and subsequent Webinars, provide the opportunity for National Grid share relevant data on Charging, observations and impacts and where it is considered necessary, updates and remediating actions
- 10th November webinar material <https://www.nationalgrid.com/uk/gas-transmission/charging/transmission-system-charges> (under NTS Charging Supporting Information)

Main reasons for under recovery in October 2020

- Deviation from forecast used in setting capacity reserve prices
 - for capacity bookings which could include the amount and the profiling across the month(s)
 - Capacity bookings can vary across the range of capacity products on Entry and Exit including those attracting discounts under the new regime
- Capacity neutrality (only impacts Entry)
 - Revenues which flow through capacity neutrality do not contribute towards collection of Maximum Allowed Revenue (MAR)
 - The value of revenues which have historically flowed through capacity neutrality have been low
 - The removal of zero price capacity, combined with a shift in behaviours for specific capacity products beyond anticipated levels has resulted in a larger amount of revenue flowing into neutrality. A simplified illustration of this is below:



- Capacity neutrality as is may have been suitable to a certain set of market conditions however is now in need of review

Next Steps / Timeline

What	Detail	When
Further analysis on the recovery position and capacity data	Analysis all the available data that can further inform the capacity booking information relative to forecast, the revenue recovery position and the implications for the use of the available charges to manage them.	November, to inform charging updates
UNC Proposal(s)	Review of the Capacity Neutrality and how capacity revenues contribute towards Allowed Revenues. A review of how any interactions with the Licence is also to be carried out.	November, urgency to be requested.
Industry Engagement to share the outputs and discuss impacts	Use of Webinars/ Ad-hoc Publications to Industry Engagement to share the outputs and discuss impacts	During November
	Charging Forum (NTSMCF https://www.gasgovernance.co.uk/ntscmf) is an additional forum to discuss charging matters including charging centred modifications to the UNC	1 December
	Discussions with National Grid on a bilateral basis. Opportunity to discuss with National Grid bilaterally if desired	November onwards
Charge Calculations	Determining required changes to all available charges	Calculations being run during November as all the components are finalised
Charge Publication(s)	Charging notices for the impacted charges and the timing of when they will be effective	By 01 December, implemented from earliest effective date
Future Years Charging	Charge Setting for April 21 and October 21 and the required inputs will be able to take account of the data to date	January 21 and April/May 21

Gas Transmission

Close



Joshua Bates
Operational Liaison &
Business Delivery Manager

nationalgrid



Next Forum

The Next Operational Forum will take place in January 2021 via WebEx or Teams

Please send any topic requests to:

Box.OperationalLiaison@nationalgrid.com

We will be writing out to you in due course as to the planned dates and locations for the 2021 calendar of Operational Forums. If you would like to sign up for all the 2021 forums, please visit;

<https://www.eventbrite.co.uk/e/pre-registration-2021-operational-forums-tickets-129724881613>

If you would like to ensure we keep you up to date please subscribe to our mailing list:

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

