

November Ops Forum

21st November 2024 Starts at 10:02am



Introduction & Agenda

Rachel Hinsley

Operational Liaison & Business Delivery Manager

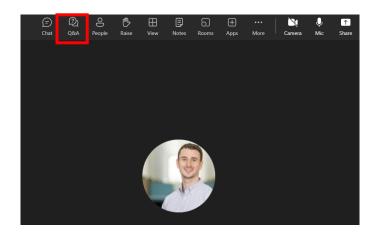


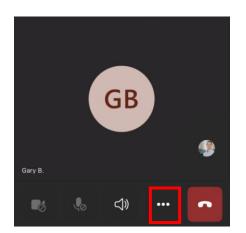


Housekeeping for Forum

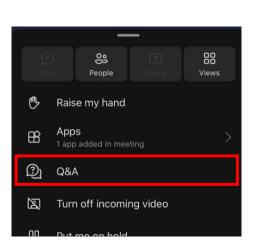
- For Microsoft Teams participants;
- Attendees will be automatically muted on dial-in and cameras will be unavailable.
- We have included some time to answer questions following the presentations.
- You can ask questions anonymously via Teams Q&A















Agenda

Welcome and Introduction	Rachel Hinsley – Operational Liaison & Business Delivery Manager	10:02
Operational Updates	Taylor Reeves – Network Access Engineer	10:03
Gemini Sustain Plus Update	Bill Goode – Senior System Delivery Lead	10:13
Emergency Exercise Review	Alex Potter – Lead NEC Specialist	10:28
Capacity Data & Information Walkthrough	Sam Holmes - Capacity Auction Analyst	10:40
National Gas Incident Service (NGIS) Replacement Project	Future Energy Networks - Nolan Robinson, Gas Manager	10:55
Incentive Quarterly Review	Ebike Cliff-Ekubo – Senior Incentive Performance Analyst	11:00
General Updates	Rachel Hinsley – Operational Liaison & Business Delivery Manager	11:10
Close	Rachel Hinsley – Operational Liaison & Business Delivery Manager	11:15

Please ask any questions using **Teams**

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

Operational Updates

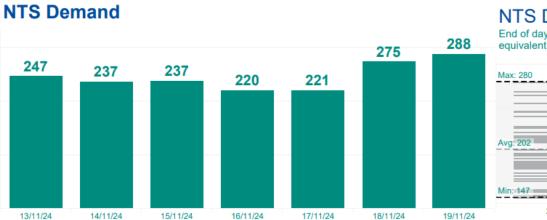
Taylor Reeves

Network Access Engineer



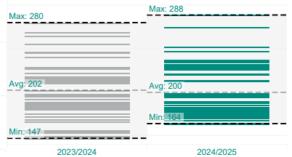


NTS Supply/Demand



NTS Demand Gas year to date

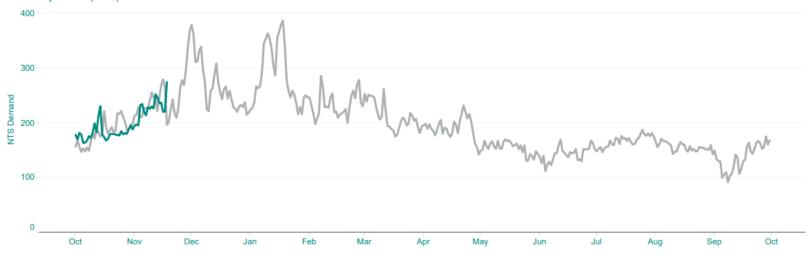
End of day values (mcm) for gas year to date and equivalent time period in previous gas year



NTS Avg Supply/Demand 2023 vs 2024

202 mcm/d vs 200 mcm/d

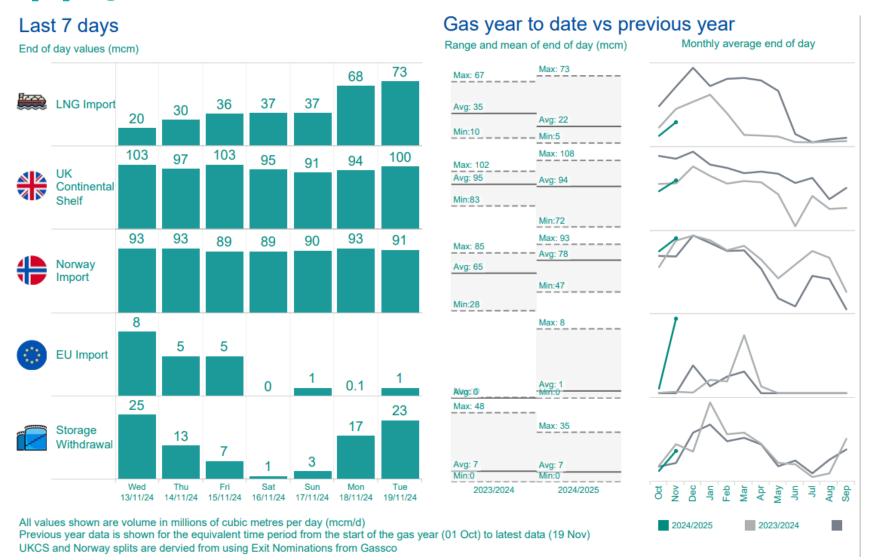
NTS Demand vs previous year End of day values (mcm)



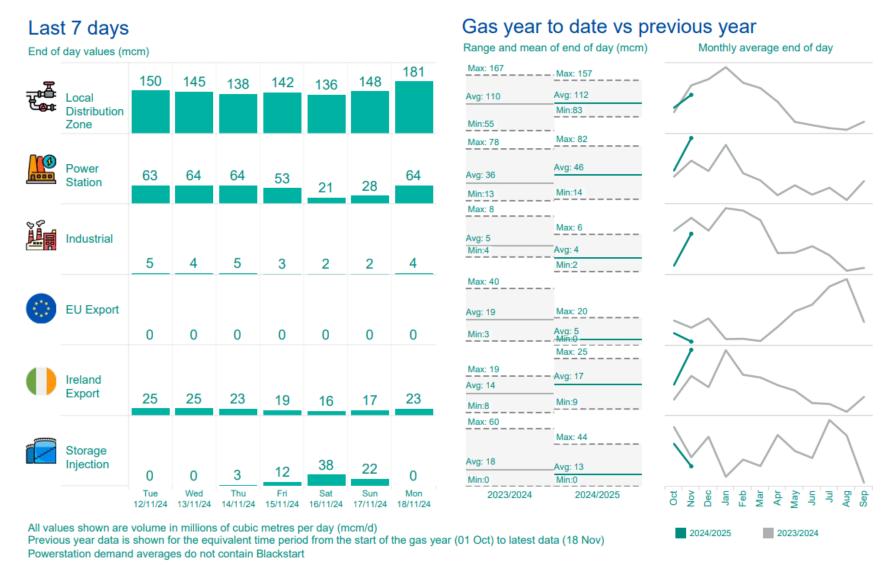
Novembers Supply/Demand Average

230.39 mcm/d

NTS Supply Breakdown



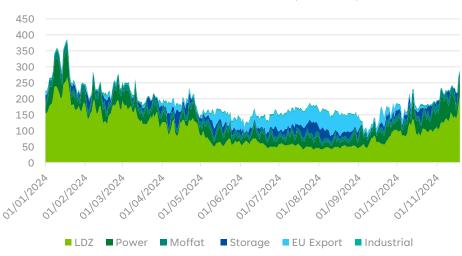
NTS Demand Breakdown

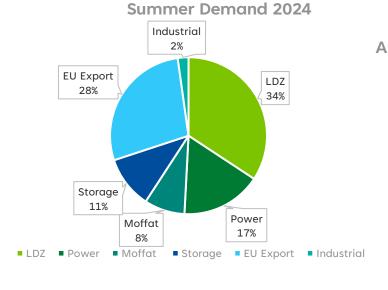


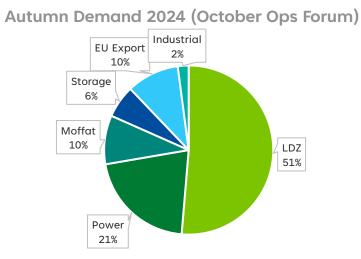
National Gas Transmission | November Ops Forum

NTS Demands







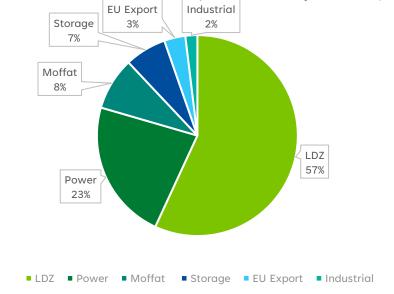


■ LDZ ■ Power ■ Moffat ■ Storage ■ EU Export ■ Industrial

LDZ

- Large increase in demand as the UK heads into late Autumn
 Power
- Dominated the power generation mix as wind & solar drop off
 Moffat
- Small increase in demand linked to reduced temperatures
 Storage
- Storage has helped buffer impacts of market volatility for both UK and Europe EU Export
- Exports stall amid switching to import mode ahead of winter premium Industrial
- Stable usage when compared to summer

Autumn Demand 2024 (November Ops Forum)



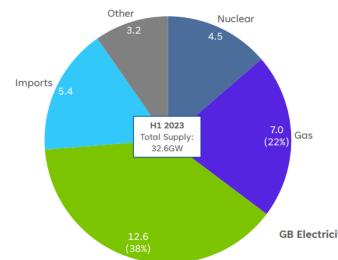
Spotlight: Gas demand for power generation

First seven days of November 2024:

- Prolonged periods of high weather pressure causing still, and cloudy conditions has significantly reduced generation output from wind and solar across the region.
- Gas fired generation averaged 50% in the UK, compared to 22% for the same period in 2023.
- Peaked at 63% on 5th November
- European storage dropped below five-year average, now at ~90% fullness
- Highlighted the importance of gas fired generation and storage.



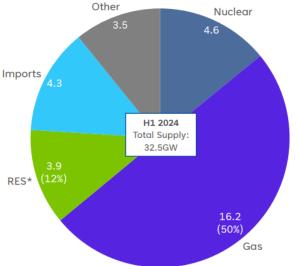
German term translated to "dark lull." This condition is characterised by static highpressure systems that significantly reduce wind speeds and bring overcast skies, leading to low wind and solar power generation



RES*

GB Electricity Generation Mix - 1st week Nov 2023 (GW)

GB Electricity Generation Mix – 1st week Nov 2024 (GW)



GB & European Storage



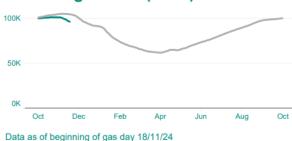
1,017 mcm **79% full**

Total GB Storage Stock and Percent Full Snapshot as of: 18 November 2024

2,627 mcm **79% full**

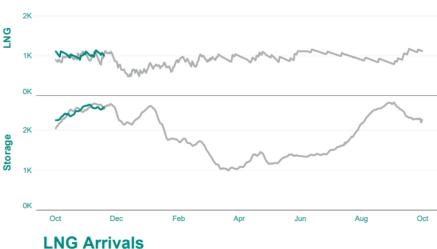
(LRS 72%) (MRS 85%)

EU storage stock (mcm)



All values shown are volume in millions of cubic metres (mcm)

LNG & Storage stock (mcm)





Previous year data is shown for the equivalent time period from the start of the gas year (01 Oct) to latest data

2023/2024

Storage

GB Storage at 79% fullness

EU Storage at 90.9% Fullness

Down on the five-year average, around 4bcm of withdrawals

LNG

November 2023 – 14 cargoes

November 2024 – 7 cargoes expected/delivered

December 2024 – 5 cargoes forecasted

Gemini Sustain Plus – Update

Bill Goode Senior System Delivery Lead





Agenda

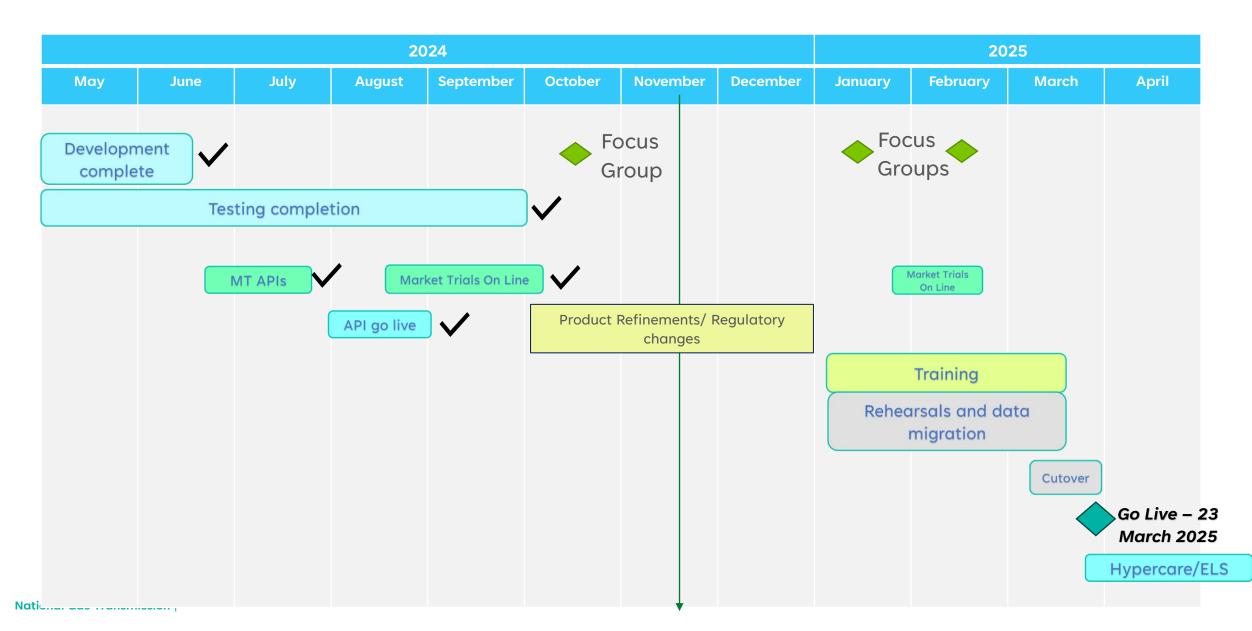
- Implementation Update and Programme Timeline
- API Gateway
- Market Trials 2
- Training and Connectivity
- Future Comms
- Q&A

Gemini Sustain Plus Update

The Gemini Sustain Plus implementation date is scheduled for Sunday 23rd March 2025 with a contingency date of Sunday 6th April 2025.

There was a request to bring forward the implementation date forward by a week. This request was considered, and after further engagement with industry parties, it was agreed to stay with 23rd March, this ensures there is a wider window to undertake additional Market Trials and reduces operational risk.

Gemini Sustain Plus Timeline



Switching to the New API Gateway

- The new API Gateway for upgraded Gemini system went live on **5**th **August 2024** and is running in parallel with the existing IX API Gateway giving you the opportunity to switch over.
- We strongly encourage all customers who have not yet accessed the new gateway to migrate across to
 the New API Gateway before the end of December 2024. Please note the existing IX API Gateway will
 no longer be available from Gemini Go Live in March 2025.
- API credentials will have been shared with your Nominated lead to enable you to switch over to the new and live Gemini API gateway.
- **For Information**, latest API specification document, API URL reference, Swagger and Postmaster files can all be found here https://www.xoserve.com/news/gemini-sustain-plus-api-implementation/
- **For assistance,** please book onto one our technical surgeries please use this link: <u>Gemini Sustain Plus Technical Surgeries Tickets, Multiple Dates | Eventbrite</u>

Benefits of moving now

- ✓ Access to both IX and New API Gateway available in parallel during transition period
- ✓ Allowing to remediate any transition issues
- ✓ Service desk support and technical surgery slots are currently available to resolve issues
- ✓ API transition is a one-time activity de-risking your wider cutover to Gemini Sustain Plus March 2025

Market Trials Phase 2

- A great opportunity for a second round of Market Trials (MT) before Go Live in March 2025. Taking forward Lessons learnt from previous MT phase into phase 2.
- This will be offered from the **27th January 2025** for a period of **three weeks**.
- The Market Trials phase 2 will include the following scope:
 - ✓ Short Term capacity Auctions and Nominations/Renominations
 - ✓ API's Market Trials
 - ✓ Reduce access risk during Go-Live
 - ✓ Explore the new UI
 - ✓ Support arrangements to assist users technical and functional queries.
- You will not have to register to take part in Market Trials, if you have onboarded, your new ID will work in the Market Trials environment
- Thank you to those organisations that have engaged and undertaken Market
 Trials previously. Please get in touch and share your Feedback via the link
 below provided in support of next Market Trials phase:
 https://forms.office.com/e/rr2WShhtUb



Training and Connectivity

Training

- All training modules will be rolled out in early **January 2025** in preparation for the next Market Trials phase and for Go-Live of the upgraded Gemini
- Users will be able to complete their specific role-based modules when they access the system as well as explore the wider suite modules.

Onboarding & Connectivity

- Onboarding (Personal Accounts) Everyone should have had the opportunity to connect and onboarded to Gemini system through the Market Trials phase. If you have not completed your onboarding, we strongly encourage you to do at the earliest opportunity.
- Invites have been shared to all Gemini Users. If you haven't received the invite or not onboarded to be ready for the next Market Trials phase and for Go-Live, please email geminiengagement@correla.com

User Agreements

- For parties who access multiple BA codes, to utilise the full system functionality you will require User Agreements to be in place. Correla will be reaching out to organisations that require user agreements to be put in place ahead the go-live in March 2025.
- Please contact <u>customerlifecycle.spa@xoserve.com</u> to arrange your User Agreements, or if you would like to check you have the appropriate agreement(s).

Future Communications

Change Pack & Screen Pack: Now Available

- Gemini Sustain Plus Detailed Design Change Pack with External Screen Pack was released 16th October 2024 and can be found via the following link
- https://www.xoserve.com/media/5nkpgamu/33122-lo-po-xrn5564-gemini-sustain-plus-programme-updated-screen-pack-v10-detailed-design-for-information.docx

Next Focus Group

- The next Gemini Sustain Focus Group session will be on 20th January 2025.
- The agenda cover:
 - Details on the next Market Trials phase,
 - Cutover/Go-Live information,
 - Latest update on training,
 - API's and business readiness activities ahead of Go-Live
- All information on all the Focus Groups can be found on the Gemini Sustain Plus webpage https://www.xoserve.com/change/investment-change/gemini-changes-overview/gemini-sustain-plus/

Support Available

• If you have any queries about the topics discussed today i.e. Market Trials, Onboarding/Connectivity, Training etc, please contact Correla on: geminiengagement@correla.com

Emergency Exercise Review

Alex Potter Lead NEC Specialist





Exercise FAHRENHEIT – Key Successes

Minimise Flows

Public Appeals

Isolation

Senior level involvement

Broad Participation

Focussed

Exercise Fahrenheit – Post Exercise Report

- Individual debrief sessions completed with GDNs, DESNZ & NESO
- Loadshedding result data requested from GDNs
- Key findings and exercise data to be written into report
- Draft review with key stakeholders to be completed by end of Nov
- Sign off by NEC followed by endorsement by HSE by early Dec
- Publish by mid Dec

Exercise Fahrenheit – Feedback Qs for Poll

Shipper Community Only: Did running the exercise on the 2nd week of winter make a positive difference?

Everyone: Would you like more engagement / active participation in the exercise?

Power Stations: Would you want to be involved if NESO led live testing of OM contracts?

Everyone: What would you like to be included in the next exercise?

Capacity Data Portal and Information Walkthrough

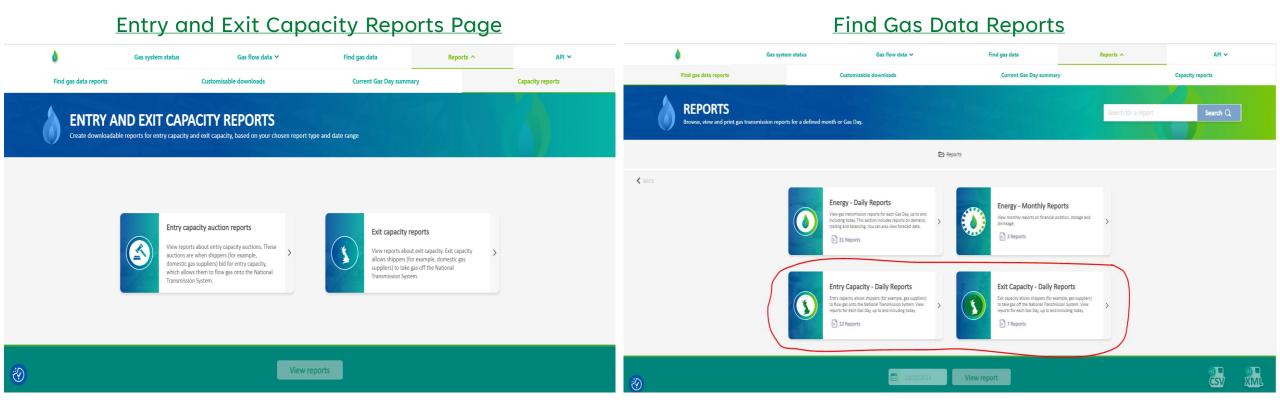
Sam HolmesCapacity Auction Analyst



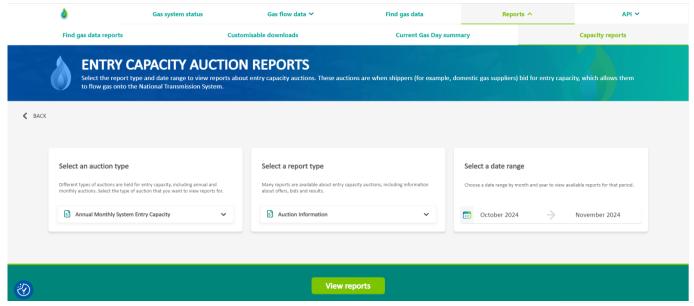


Capacity Data Portal- Data

Capacity data is available mainly in 2 places on the Gas Data Portal:

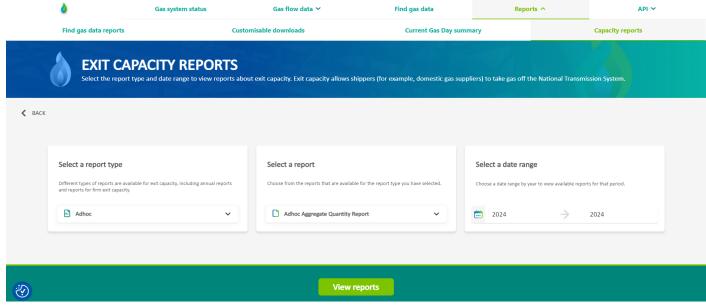


Entry and Exit Capacity Reports Page

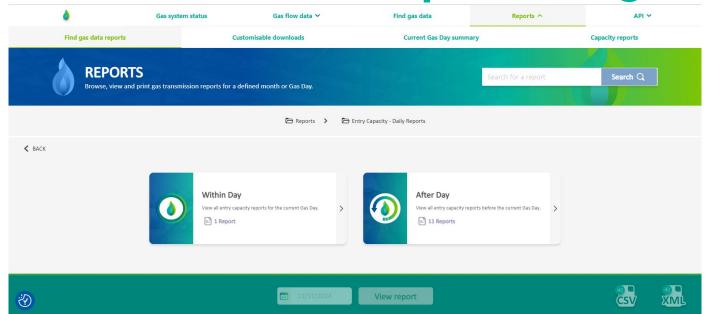


- These pages are used to share all our Key Capacity Auction Information
- They cover both Entry and Exit and Long and Short Term Capacity Auctions
- Information such as Auction Results,
 Invitation Letters and Long Term Summary
 Reports are available

Reports are searchable by Auction
 Type, Report Type and Date Range
 using the 3 filter options on the screens

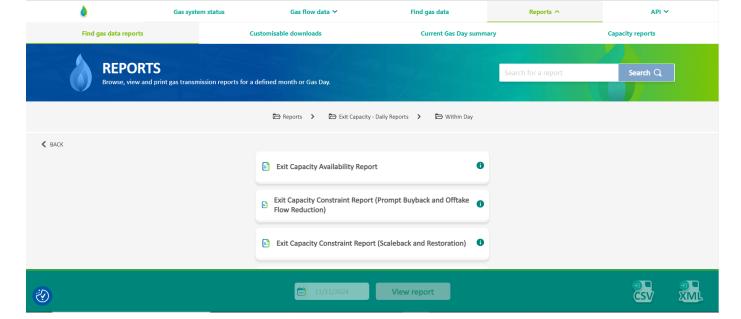


Find Gas Data Reports Page



 Reports on these pages are split out into Within Day and After Day Reports

• All of the data is displayed in predefined report formats with each report covering different topics such as Capacity Availability, Trading and Constraint Management



Capacity Website Pages

- These are the pages we currently have on the website:
 - Capacity Page: https://www.nationalgas.com/our-businesses/system-operation/capacity
 - Gas Constraint Management: https://www.nationalgas.com/our-businesses/system-operation/capacity/constraint-management
 - Entry Capacity: https://www.nationalgas.com/our-businesses/entry-capacity
 - Exit Capacity: https://www.nationalgas.com/our-businesses/exit-capacity
 - Capacity for European Connections: https://www.nationalgas.com/our-businesses/system-operation/capacity/capacity-european-connections
 - Latest Capacity Updates: https://www.nationalgas.com/our-businesses/latest-capacity-updates
- We also have a suite of Important Documents which provide information of the Capacity Regime and links to historical data:
 - Capacity FAQ's
 - Capacity Guidelines
 - Capacity Auctions Summary
 - Capacity Data Reports
 - Capacity Methodology Statements

Get in Touch

- If you have any Capacity related questions or queries please contact us at our team email address or phone number:
- Email: <u>capacityauctions@nationalgas.com</u>
- Phone Number: 01926654057
- For any urgent within day or out of hours Capacity Auction issues please contact the Control Room
- If you would any further information or like us to attend any meetings you have with Operational Liaison Team let us or know or feedback through the team

National Gas Transmission | 29



National Gas
Incident Service
Replacement
Project

Nolan Robertson Gas Manager FEN

November 2024



A Brief Introduction to FEN?

The organisation

The membership

The history

- A new membership organisation which represents those in the energy industry seeking to understand and enact the changes needed to deliver the energy networks of the future.
- Current membership consists of the five GB gas networks Cadent, National Gas, Northern Gas Networks, SGN and Wales & West Utilities. But this could evolve over time.

Formed from the gas networks' exit from the Energy Networks Association (ENA)

We believe in an equitable and affordable transition to Net Zero for all, with the energy networks playing a fundamental role in enabling this to happen. FEN is leading this change through bringing together the expertise of stakeholders across the energy industry to build the evidence base in support of decision-making, while our member companies invest in the infrastructure required to transport low carbon energy from producers to consumers.



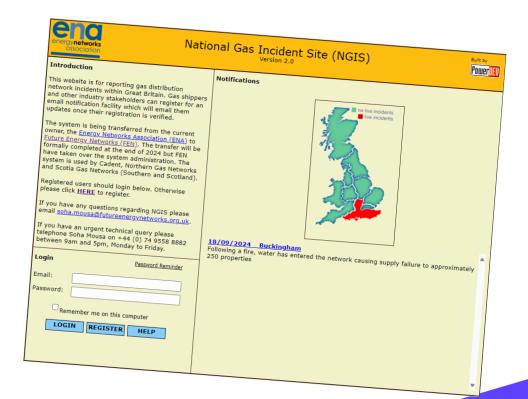
Some Background to This Project

- UNC TPD 5.13 obliges GDN's to:
 - "provide relevant users (GDNs, Gas Shippers, Independent Gas Transporters, DESNZ, HSE/DTI, Ofgem) information on any incidents occurring on their networks."
 - gas explosions or fires
 - death or major injury due to CO poisoning from gas
 - Supply losses >250 System Exit Points at any one time



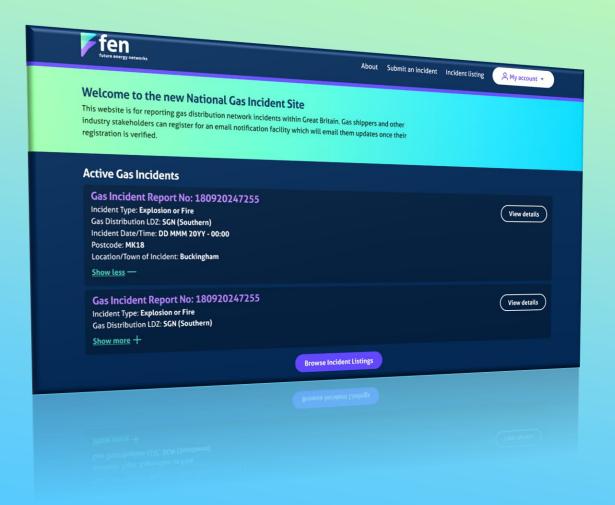
The Current System

- The National Gas Incident Site was created 17 years ago to satisfy this obligation
 - Cadent, NGN, SGN only
- Outdated, not appropriate for 2025
- Belongs to ENA
- Decision taken to replace with a version owned and hosted by FEN
 - Deadline 31st December





The Replacement



- Notifications will continue as before
 - Similar format, frequency etc
- Launch in Dec 2024
 - Before Christmas break
- All users required to re-register
 - We will advise when window opens
- Potential for a period of 'dual running'



Gas Shipper Incident Notification Service

www.GSINS.co.uk



Comms Plan

11th Nov 18th Nov 25th Nov 2nd Dec 9th Dec Dec

Comms 1

Introducing news of the change

Comms 2

Reminder. Email address



Comms 3

Registration Instructions

Comms 4

Please Register

Comms 4

Launch



Next Steps

9th Dec

16th Dec

 \gg 23rd Dec

>> 30th Dec

6th Jan

User Reregistration
Window
Opens

~11th/12th December

Gas Shipper Incident Notification System

National Gas Incident System



Any Questions?



GSINS@FutureEnergyNetworks.Org.Uk







Q2 2024/25 Gas Incentive Performance

Ebikedou Cliff-Ekubo Commercial Incentives Analyst

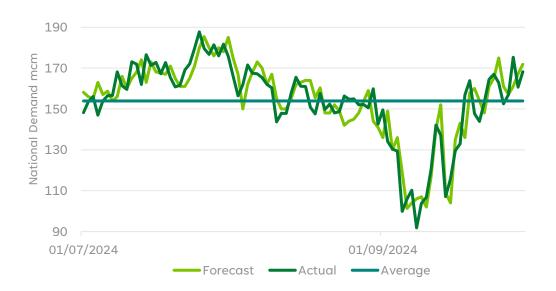


Content

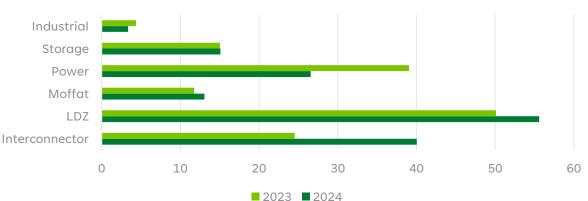
01.	Demand Forecast
02.	Constraint, Capacity and Management (CCM)
03.	Maintenance
04.	Residual Balancing
05.	Green House Gas (GHG)
06.	ANNOUCEMENTS

Demand Forecasting

Q2 Gas Demand







Structure Target: 8.35 mcm/d (+ up to 1mcm DFSA)

Value = +£1.5m / -£1.5m

Customer Value To make accurate forecasts for the day ahead demand (D-1) to enable informed commercial decisions

Q2 Performance



Average daily error 7.0mcm



DFSA = 0.0mcm



Underlying demand levels for Q2 24/25 are slightly higher this year (154mcm) compared to the same period last year (145mcm) mainly due to the increased EU exports partly offset by lower power generation.

Capacity Constraint Management



Customer Value

Release of capacity up to and above our obligations and minimising the costs of constraints against a set financial cost target

Target = £8.5m Value = +£5.2m to -£5.2m 14% scaling for revenues from Non-Obligated capacity Sharing Factor = 39% NG, 61% customers

Q2 Performance

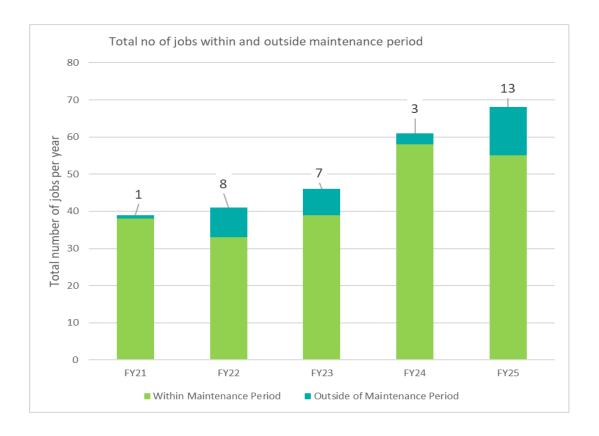


No commercial action taken during the quarter, Operational strategies and Customer liaison used effectively to manage any potential constraint risk.



Non-ob capacity release lower than previous year in this quarter.

Maintenance



Customer Value

Additional revenue opportunity due to maintenance alignment of planned outage

Structure

Changes – target 7.25%

of the total maintenance plan days in the year.

Use of Days – (VO) – target 11 days +Use of Days – (ex VO) – target align 75% of customer impacting days

Value = +£0.5m to -£1.5m

Q2 Performance

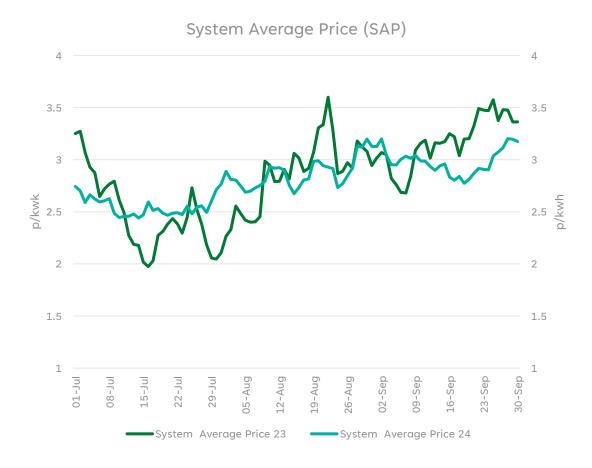


The Summer 24 maintenance outage plan included 273 days of customer impacting work, (12% increase from same period last year) of which 263 days are aligned. 231 days for the use of days non-VOs, of which all 221 are aligned works.



Approximately 87.9% of aligned summer maintenance completed in Sep, with 10 change days to the plan initiated by NGT, same time last year was 0 change to plan.

Residual Balancing



Customer Value

Enabling efficient use of network with minimum impact on the market and publishing hourly trade/LP swing data

Structure

Price Performance Measure (PPM) target: 1.5% Linepack Performance Measure (LPM) target: 2.8mcm Value = +£1.6m to -£2.8m

Q2 Performance



Average PPM – 0.3% of SAP compared to 1.5% target

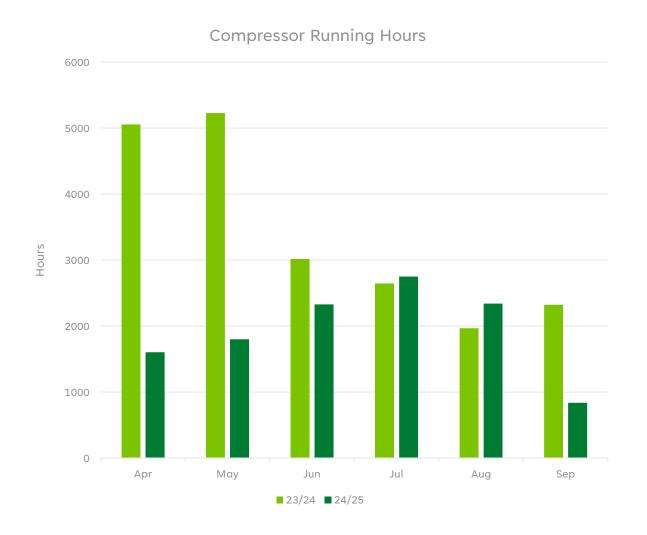


Average LPM – 1.2mcm compared to 2.8mcm target



Traded 60 out of 92 days on OCM on 65% of days (66% same period last year)

Greenhouse Gas Emissions



Customer Value

Improved local air quality, economic compressor venting strategy

Structure

Vented emissions target < 2,897 tonnes 2635 £/tonne

Q2 Performance



Total vented emissions to Sep- 797 tonnes, 394 tonnes (Q2)



26% of emissions annual target used since April



7 units inhibited Apr - Oct therefore contributing to reducing emissions

Timelines and more information



Our quarterly incentive report can be found on our website by end of November



RIIO-GT3 consultation concluded in September and has broadly supported our Business Plan proposal to be submitted to Ofgem in December.



Q3 incentives performance will be summarised at the February Gas Ops Forum. More information: Gas Operator Incentives.



Ebikedou Cliff-Ekubo, Commercial Incentives Analyst ebikedou.cliff-ekubo@nationalgas.com

Darren Lond, Incentives Performance and Development Manager darren.lond@nationalgas.com

General Updates

Rachel Hinsley

Operational Liaison and Business Delivery Manager







Gas Data Portal Update

Gas Operational Forum

November 2024



Gas Data Portal Updates



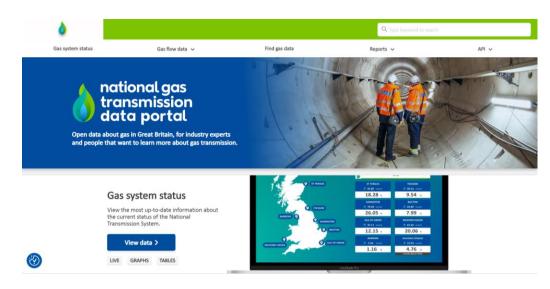
New REST API have launched

- Last week, we announced that our Representational State Transfer (REST) Application Programming Interfaces (APIs) are now live.
- These new APIs offer easier data retrieval and simplify access our operational data
- We have introduced a Developer Portal which provides all technical documentation and offers a 'Try
 it' feature.
- Our existing SOAP APIs will still be available for the foreseeable future and will run parallel for an
 extended transition period.

2

Search Everywhere Coming Soon!

- We will soon be launching our new **Search Everywhere** feature.
- This powerful feature is to make our data more discoverable across the Portal
- Providing searches across all pages and navigating users to the relevant sections
- Further communication to follow for Go Live



Gas Data Portal SOAP API URL Change

As part of our ongoing separation from National Grid, we are in the process of moving our technology from the **National Grid** domain to the new **National Gas** domain.

This change will impact Users who are using our SOAP API services. There will be a **new SOAP API URL** being released as part of the migration. This change will be taking place before end of January 25.

There will be **no impact to the day-to-day functionality of the Gas Data Portal** or any of the data it contains, and you will continue to be able to use the portal as usual throughout the migration period.

To support this change, we have the following support available:

- SOAP API Change Technical Guide (releasing soon)
- Focus Group (21st Nov @ 1:30pm To be recorded)
- Dedicated Support Team

ACTION: Please inform your local IT and technical teams that this change is coming.

If you have any questions about the SOAP API change then please contact us at: box.operationalliaison@nationalgas.com

Gas Data Portal Sign up to the User Community



We have created a targeted User Community for the Gas Data Portal, to allow us to keep you updated with all Gas Data Portal communications.

This will enable you to have a voice on upcoming changes and also be informed about all Gas Data Portal related activities.

Updates will include:

- Transformation Project Progress Updates
- Early access to features
- Upcoming planned outages
- High priority Incident updates

Click here for the Promotion Video

Please sign up via the QR Code on screen or via the link so we can keep you updated on future developments. Also share with any relevant Customers.



NGT Sign up to our distribution list

We are leaving the Energy Network Association (ENA) by end of 2024, along with other Gas networks.

We are creating our own distribution list for notices which were communicated via the ENA.

From 1st November you will no longer receive any National Gas notices from the ENA.

Notices will include:

Capacity

o PARCA

Operating Margins

Sign up here:

Microsoft Form

Please sign up if you wish to receive notices from us before 31st November.

2024 Operational Forum Programme

The Clermont Hotel
Charing Cross
London
WC2N 5HX

The forums will be hybrid via Microsoft Teams and at the Clermont Hotel, London as shown:

Jan 25th	Feb 22nd	Mar 21st	Apr	May 16th	Jun 20th	Jul	Aug	Sep 19th	Oct 17th	Nov 21st	Dec
Clermont & Online	Online Only	Clermont & Online	Х	Online Only	Clermont & Online	х	х	Online only	Clermont & Online	Online only	х
Future Focus		Maintena nce Focus			Winter Review/ Summer outlook				Winter Focus		
V	V	V		V	V			V	V	V	

Online: https://ngt.ticketbud.com/gas-operational-forum-november-online-

National Gas Transmission | November Ops Forum

The Clermont Hotel
Charing Cross
London
WC2N 5HX

The forums will be hybrid via Microsoft Teams and at the Clermont Hotel, London as shown:

Jan 16th	Feb 20th	Mar 27th	Apr	May 22nd	Jun 19th	Jul	Aug	Sep 18th	Oct 23rd	Nov 20th	Dec
Clermont & Online	Online Only	Clermont & Online	х	Online Only	Clermont & Online	х	х	Online only	Clermont & Online	Online only	X
Future Focus		Outage planning			Winter Review/ Summer outlook				Winter Focus		

If you are already signed up to the pre-registration it will be continued into 2025.

National Gas Transmission | November Ops Forum 57

Pre-registration: https://ngt.ticketbud.com/pre-registration-2025-operational-forums-online--bd3b7c03bd9b

Q&A





Thank you



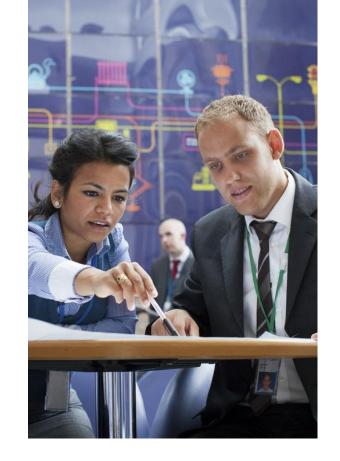
Information For Reference



How to contact us

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If you have any Operational enquiries or would like a liaison meeting, please get in touch.



National Gas Website: <u>Gas Transmission | National Gas</u>

Operational Liaison Meetings 2024

- We are planning our programme of **Operational Liaison meetings** for 2024.
- These meetings are offered to all Operators connected to the NTS to cover a range of Operational topics including...

Maintenance Plans

Gas Quality

Pressures

NTS Operation

- We have received some great feedback about these from our 2023 round of meetings (20 in person) and are currently planning these out based on level of recent engagement. If we didn't have a meeting in 2023 you are top of our priority list for 2024 and we will be getting in touch.
- These meetings can be held at your site if appropriate, or we can host at Warwick.

If you would like a meeting with us, please get in touch.





Key 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.

Activity	Link
Registration for Gas Ops Forums and Gas Ops Forum materials	www.nationalgas.com/data-and-operations/operational-forum
Subscription to distribution list	Please email: box.operationalliasion@nationalgas.com
National Gas Transmission Website	www.nationalgas.com
Maintenance Planning	www.nationalgas.com/data-and-operations/maintenance



The monthly Britain's
Gas Explained
information is on
LinkedIn; this is
information showing
the key role Gas plays
that is easy to digest
for all; especially end
consumers

https://www.nationalgas.com/data-and-operations/transmission-operational-data#tab-1



The Energy Data
Request Tool to
request the
publication of
any data is
available here:
Microsoft Forms
Link