

Gas Operational Forum

Clermont Hotel & MS Teams 23rd February 2023 10:02am

Questions SLIDO = OPSFORUM





Introduction & Agenda

Bridget Hartley Head of Operational Delivery





Housekeeping for Forum

- For Microsoft Teams participants;
- Attendees will be automatically muted on dial-in and cameras will be unavailable.
- You can ask questions via Slido (#OPSFORUM)
- We have included some time to answer questions following the presentations





Agenda for Today

Welcome and Introduction	Bridget Hartley – Head of Operational Delivery	10:02
Introducing National Gas	Nicola Lond - Operational Liaison & Business Delivery Manager	10:05
Supply & Demand Patterns / Summer Outlook	Jon Dutton - Engagement and Publications Manager	10:15
Future Grid Project Update	Haroon Khan – Future Grid Project Manager	10:30
Summer Maintenance Plan	Ffion Davies-Cale – Network Access & Short-Term Risk Manager	10:55
Information Provisioning Update	Rachel Hinsley - Operational Liaison & Business Delivery Manager	11:10
Milford Haven ECR Consultation Update	Bridget Hartley – Head of Operational Delivery	11:30
General Updates	Nicola Lond - Operational Liaison & Business Delivery Manager	11:40
AOB & Close	Nicola Lond - Operational Liaison & Business Delivery Manager	11:45

Please ask any questions using Slido: #OPSFORUM

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

January Stat

This month, 100,000 GWh of energy has been transported through our pipes – enough to power the entire London Underground network for the next 83 years!

National Gas Transmission |

Introducing National Gas

Nicola Lond Operational Liaison & Business Delivery Manager





Welcome





national gas transmission national gas metering





National Gas Transmission |

Purpose and Priorities



National Gas Transmission

What does this mean to you...

We will work closely with Customers and will ensure there is **no impact** on the service received

We look forward to working with all our stakeholders to ensure that the NTS is ready for the net zero transition, supporting the expansion of hydrogen's role in the energy mix and delivering continued energy security

Contacts will stay the same but with new email addresses. Existing addresses will continue to work as they will be auto-forwarded

Keep up to date

https://www.nationalgas.com/



@Nationalgas_uk



National Gas Transmission National Gas Metering



@Nationalgasuk



@Nationalgas_uk





Owner and operator of the UK's gas transmission network, driving the transition towards a clean energy future. Utilities - Wanvick - 1,226 followers



National Gas UK @nationalgasuk



National Gas Transmission |



Introducing National Gas Webinar-20230206_135444-Meeting Recording_Trim (brightcove.net)

Welcome to National Gas

Leading a Clean Energy Future for Everyone No Major impacts for our customers national Follow us on Social Media - keep in touch

National Gas Transmission

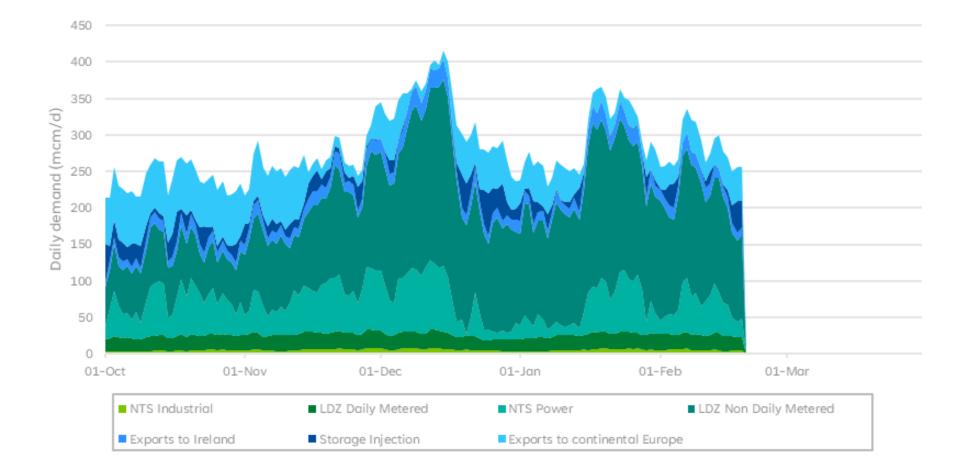
Demand & Supply Patterns

Jon Dutton Engagement & Publications Manager

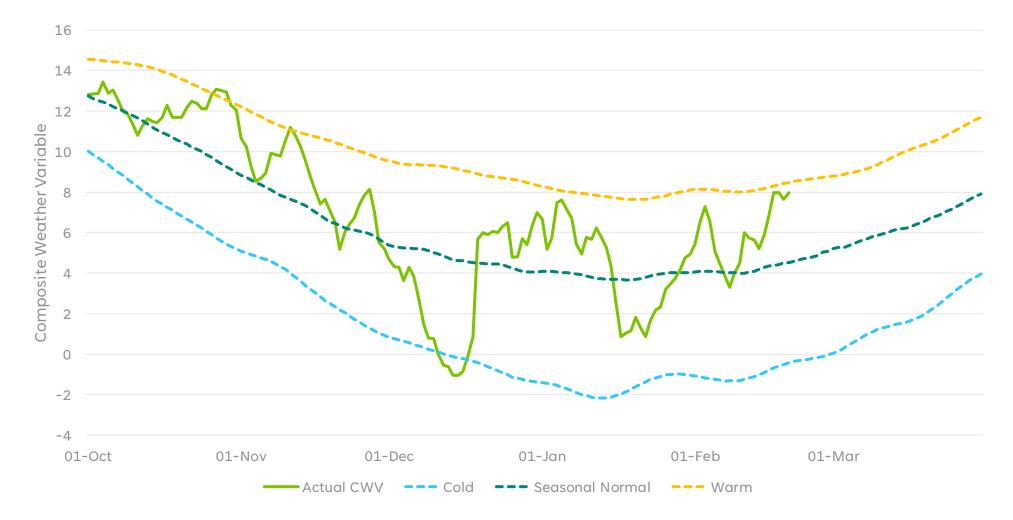




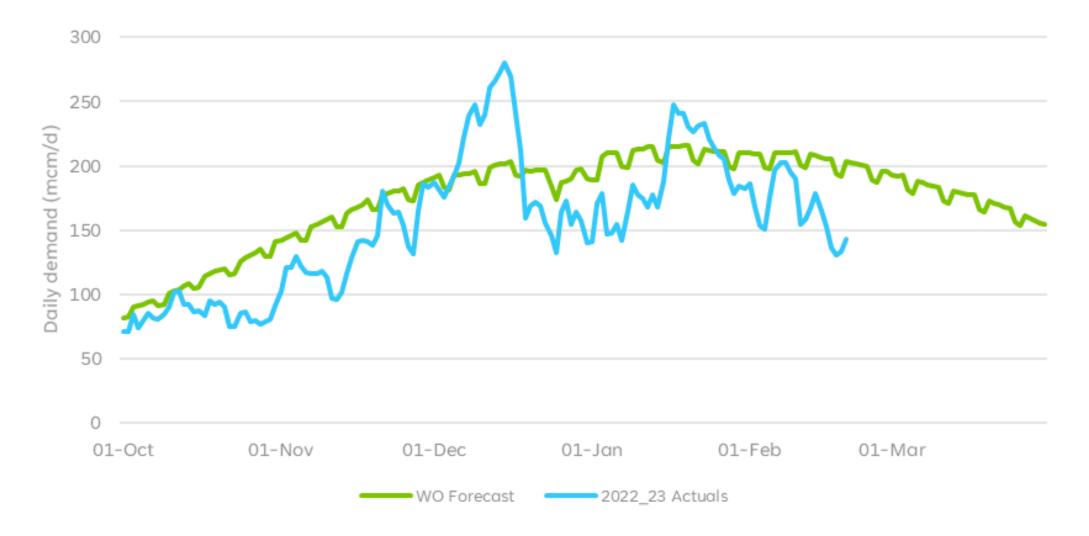
NTS Demand



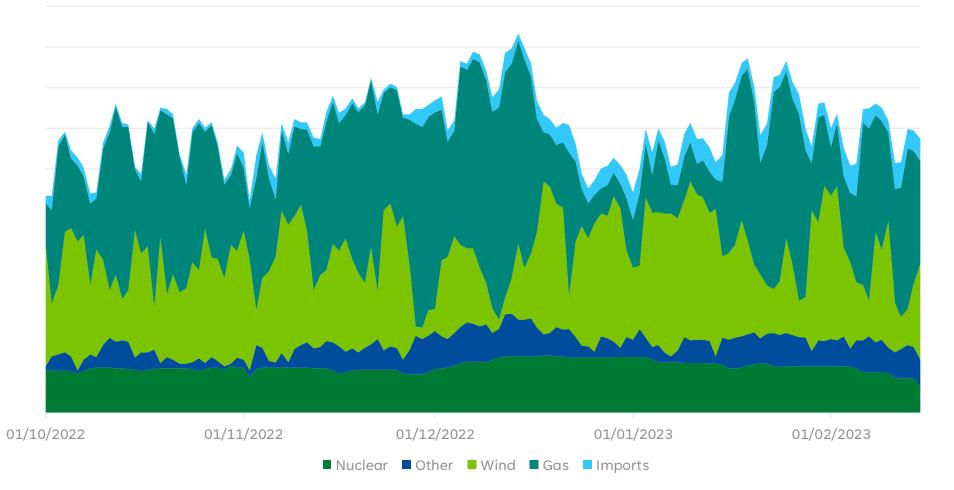
Composite Weather Variable



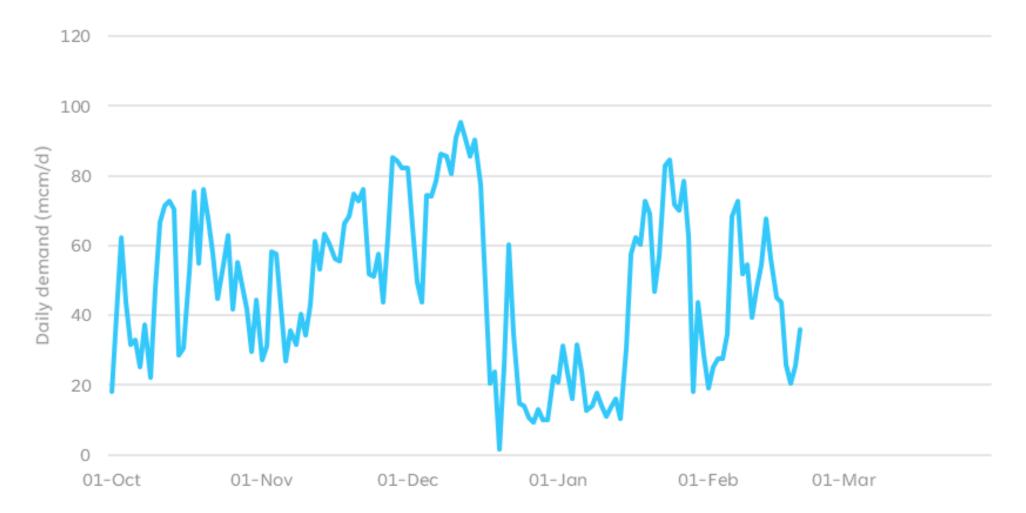
LDZ Offtake Demand



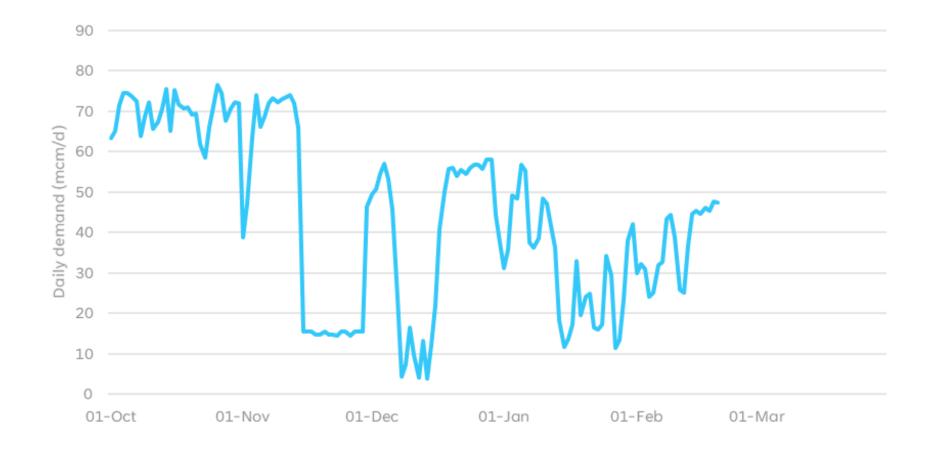
GB Electricity Generation Mix



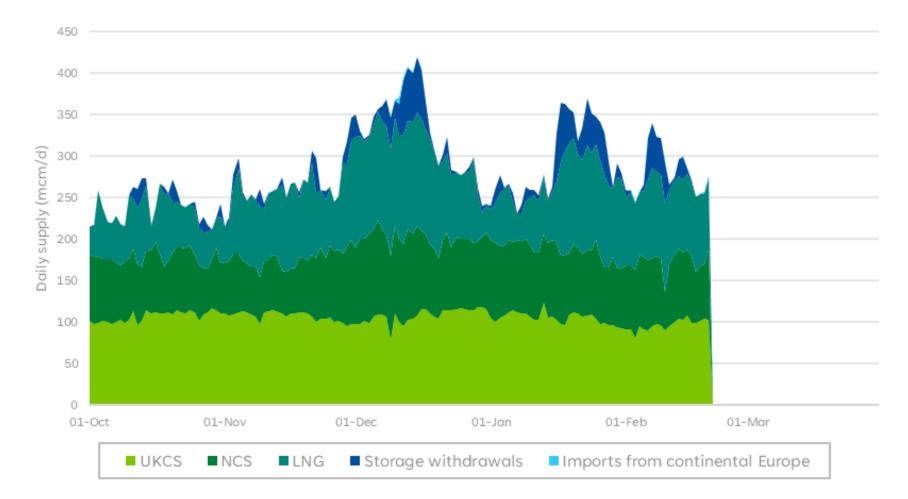
NTS Power Generation demand



Exports to continental Europe







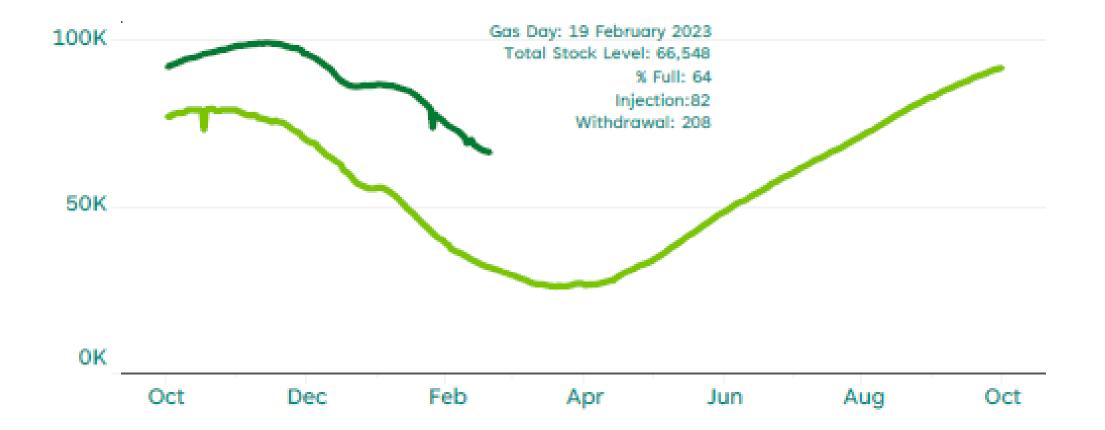




GB Storage Stocks



European Storage Stocks





Gas Summer Outlook 2023

Early view February 2023

National Gas Transmission |



Draft Themes

Standard content that is included every year:

- Supply and demand forecast (alongside the numbers from previous years)
- Overview of EU exports and storage
- Overview of GB storage
- Operational overview

In addition to the usual supply/demand forecasts that we share in the summer outlook, we are planning on including information and analysis on these key areas:

- Higher than normal levels of Norwegian supply outages due to maintenance
- Factors influencing the level of LNG imports and European exports
- Scenarios
 - Scenario 1 average/low exports to continental Europe
 - Scenario 2 high power demand, high exports to continental Europe
- A brief look forward to next winter, covering any steps we are currently taking to prepare for it and how what happens in the summer could impact the outlook for winter.



SLIDO Poll

#OPSFORUM

"What would you like to see in the Gas Summer Outlook?"

National Gas Transmission | Private & Confidential

FutureGrid Update

Haroon Khan FutureGrid Project Manager





FutureGrid GSO Ops Forum

23rd February 2023



FutureGrid project team



Tom Neal FutureGrid Manager



Shaun Bosomworth Senior Delivery Engineer



Haroon Khan Project Manager



Lloyd Mitchell Hydrogen Engineer – Materials



Dan Knowles Hydrogen Engineer – Electrical & Instrumentation



Simon Avery Hydrogen Engineer -Operations & Maintenance



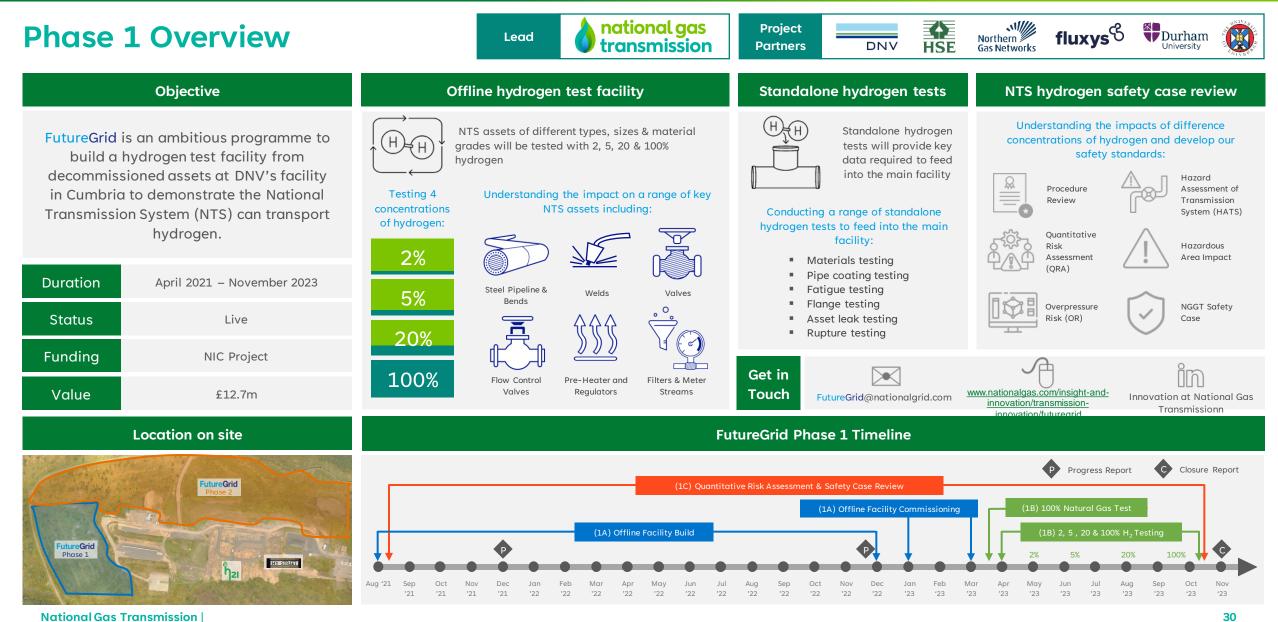
A high-pressure **hydrogen** test facility built from decommissioned assets to demonstrate the National Transmission System (NTS) can transport hydrogen. Testing will commence in April 2023, with 2%, 5%, 20% and 100% concentrations of hydrogen being tested to demonstrate how a future hydrogen system will operate.





FutureGrid Phase 1

national gas transmission



national gas transmission

FutureGrid

A high-pressure **hydrogen test facility** to demonstrate the National Transmission System (NTS) can **transport hydrogen**



Construction is nearing completion – image was taken in October 2022 just before recompression unit groundworks

z 119 -

1

national gas transmission

Sales I.



Construction is nearing completion – image was taken in October 2022 just before recompression unit groundworks



Full site inspection conducted with Jeremy Hunns during January Project Review Meeting (PRM)



Realising the full potential of **FutureGrid**

by creating a **world class** hydrogen test and demonstration facility

Future Grid Compression & Deblending



NAMES OF A DESCRIPTION OF

Hydrogen asset fatigue testing 36" X60 pipe with 9 different weld types used twice. 75k cycles ~ 200 years service



18,500

ntureGrid

pressure cycles completed

As of 15 February 2023

Status Report

February 2023 Issue Updates as of 31st January 2023



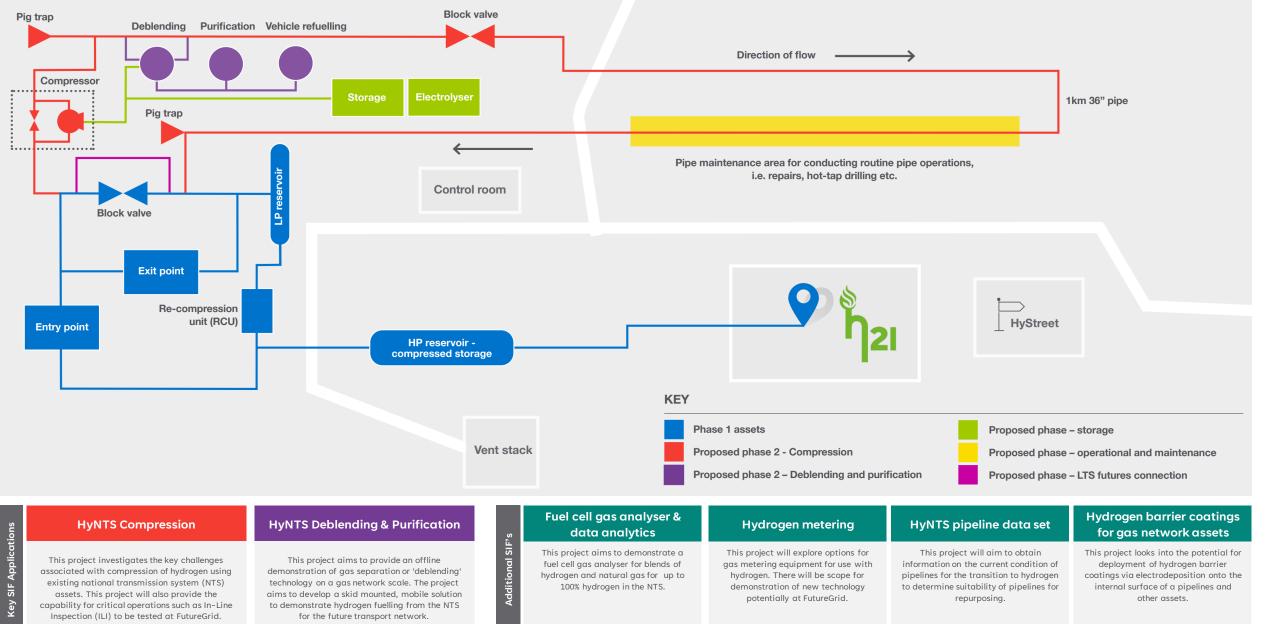
Phase 1 – Test Facility Overview			0-0-0			00-0-0-0-	0-0-0-0-0	#	Opportunities		
FutureGrid is an ambitious programme to build a hydrogen test facility from decommissioned assets at DNV's facility in Cumbria to demonstrate the National	Overall Status				uild Rupture Fa aplete Tests Comm	cility Natural Gas 2% 5% 10% 2 issioning Test Hydrogen Testing	0% 100% Fatigue SafetyCase Project Tests &QRA Complete	1	Learning from FutureGrid can be used to enhance other NG Hydrogen Projects		
Transmission System (NTS) can transport hydrogen.	Update	Ddate In January, DNV have completed the build stage of the project and started preparation for the commissioning stage. The facility's final build stage was visited by National Gas's chief engineer to provide further technical assurance. The documentations required for commissioning are being reviewed currently. The overall project is in amber as DNV have re-organised their commissioning programme to enhance activities, there hasn't been any effect to the overall key programme dates.							Identifying efficiencies in commissioning stage to reduce any timescale impacts		
Testing will be conducted in two parts: (H,H)	5 Key Activities to Remove Programme Delivery Risk								Top 3 Risks		
		re on Supply providers	2 Escalating key delivery elements	3 Dedicated DNV Resources		Pause all non- essential site activity	5 Programme Re- baseline	1	Severe weather conditions may impact commissioning and testing phase		
Offline Hydrogen Test Facility Test Modules	Increase pressure on LMF to minimize delays of the Recompression Unit and ENW		Senior DNV engagement to ensure workstreams at risk of	DNV are splitting key resources across too many programmes affecting delivery performance.		All obstacles to working on site removed to ensure full access during working hours to	Full programme overhaul with a re-baseline of milestones which	2	Risk of Re-compression unit not functional during commissioning stage		
NTS assets of different types, sizes & material grades will be tested with 2, data required to feed into	electrica upgrades	with the relevant I infrastructure s to the current	elevant ture effort to ensure no slippage of		ntified and DNV to improve e to increase	optimise project delivery. All site visits except VIPs (agreed via Hydrogen LT) are paused to	cannot be recovered to provide a realistic delivery plan to be agreed at Senior DNV management level.	3	Assets will fail during master test plan		
5, 20 & 100% hydrogen the main facility	timeline.			effective delivery.		support this.			Progress This Month		
This will help us understand how hydrogen interacts with our assets, so that we can develop appropriate safety standards required to operate our network.	Stage		Activity	Due	Status	Progress		→ Build stage has been completed			
		Groundworks (Offline H2 Test Facility)		Nov-21	Complete	→ Asset Pre-Assessments: Orifice plate skid valves will be			ightarrow Fatigue rig has conducted 18,000 cycles		
	is	Leak Tests (Standalone Test Module)		Dec-22	Complete	replaced. NRV tests has completed to ensure functionality of valve. PMC scheduled to re-grease valves after hydrotest. → Leak tests: DNV will provide the final test report in Feb.		 Continue installation of infrastructure National Gas chief engineer site visit Commissioning plan issued Transient teat an unade encodered issued 			
Project Spend Performance		Lab Tests (Standalone Tests)		Feb-23	On track						
G		Construction (Offline H ₂ Test Facility)		Feb-23	On track	ightarrow Lab tests: Permeation test report due in February			→ Transient test set up and procedure issued → Revised Master Test plan agreed		
£10.1m		Rupture Tests (Standalone Test Module) Commissioning (Offline H ₂ Test Facility)		Feb-23	On Track	→ Construction: Build has been completed. Re-compressor SAT is penciled for 27 th Feb.		ightarrow Commissioning interactions agreed			
January's application of payment is under review. The total spend is £7,073,191. A bank account mirror request has been conducted in				Feb-23	Not Started	 Commissioning: The plan has been created and issued. 			→ Site visit for projects interacting with FG → Comms plan created for re-branding		
September		100% Natural Gas Test		Apr-23	Not Started	ightarrow Preparations underway for testing phase, review of the testing					
		2% Hydrogen Testing 5% Hydrogen Testing		May-23	Not Started	programme complete including agreement of the flows and order of operation of the facility for each test.					
	1 B			Jun-23	Not Started	order of operation of the fa	cinty for each test.				
	Hydrogen Testing	10	0% Hydrogen Testing	Jul-23	Not Started						
			20% Hydrogen Testing		Not Started						
		10	0% Hydrogen Testing	Oct-23	Not Started			Actions Next Month			
		Fatigue Tests (Standalone Test Module) Procedure Review		Oct-23	On Track	→ Stand Alone Testing: Testing has commenced. 18,000/150,000		ightarrow Hydrotest of facility			
	10			Aug-22	Complete	cycles have already been conducted. Testing will continue till the fatigue rig delivers final results			Pre- Commissioning & Commissioning activities Standalone test report to be delivered		
	1C QRA & Safety		izardous Area Impact	Apr-23	On Track	later in 2024.		\rightarrow s	ite hazardous area drawings to be delivered		
	Case		tive Risk Assessment (QRA)	Oct-23	Not Started		ort has been reviewed by internal are being incorporated.		C&I Final Detailed Design Complete infrastructure activities		
		Overpressure Risk Safety Case Review		Mar-23	Not Started	 teams and the comments are being incorporated. → Safety Case Review: NG have issued comments on the report to DNV. 			Continue operational improvements of site		
				Feb-23	On Track				→ QRA: Complete compressor station drawings → Complete all asset installation including		
A Contractor Contractor Contractor	1D		rogress Report 2021	Dec-21	Complete	\rightarrow PPR 2022 completed	ad on 12 th December	ir	nstrumentation		
			rogress Report 2022	Dec-22	Complete	\rightarrow PPR Launch event completed on 12 th December.			ightarrow Continue with HAZOP/ HAZID Actions.		
DNV	Engagement & Reporting		Closure Report 2023	Nov-23	Not Started						
		Engagement & Dissemination Ever		Nov-23	On Track						



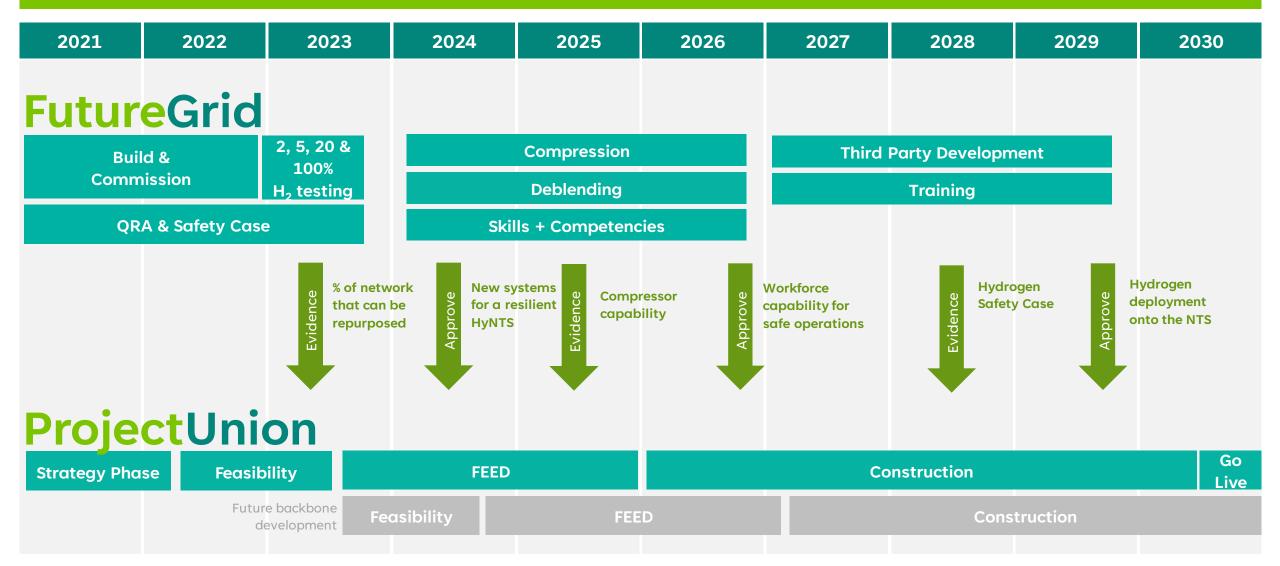
Febr	uary Top 3 Activities		March Top 3 Activities	GT&M resource requirements for next 2 months
1 Comple	Completion of hydrotest		Gas Fill + Commissioning Runs	 Discussion with W1 Ops for resource requirement
2 Comple	tion of pre-commissioning es	2	Metering Audits	 Discussion with PMC for resource requirement Internal visits in the next 2 months
3 Comple	tion of pneumatic tests	3	Commence 100% Natural Gas test	13 th Feb: Project Team + Welding SME
	tion of pheumatic tests	3	commence 100% Natural das test	 14th Feb: Project Team + Jeremy + Rupture test
				*** Visits postponed after these to all but VIP as agreed by Hydrogen LT ***
				External visits in the next 2 months
		11 - 11 11 - 11 T		22 nd Feb: BEIS Hydrogen Visit
		1		*** Visits postponed after these to all but VIP as agreed by Hydrogen LT ***

Phase 2 Potential Development





There is a critical pathway of evidence development that feeds into the development and deployment of 100% hydrogen in our high pressure gas pipelines. Time is a critical factor to deliver a hydrogen transition at pace to meet net zero targets.



Thank you

You can find out more and get in touch:



hydrogen@nationalgrid.com



nationalgas.com



National Gas Transmission



Summer Maintenance Plan

Ffion Davies-Cale Network Access and Short-Term Risk Manager





Maintenance Plan

The maintenance plan is published 4 times a year (end of the month):

- January (Summer Draft)
- March (Summer Final)
- August (Winter Draft)
- September (Winter Final)

https://www.nationalgas.com/data-andoperations/maintenance

The plan aims to give an overview of what maintenance is taking place in the Summer and Winter periods.

Winter periods have very little maintenance planned (if any)

Minor works agreement

We can help parties to agree different maintenance approaches through a mutual contract with directly connected customers.

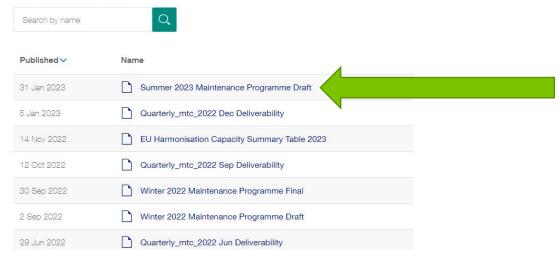
Minor works



Maintenance plans

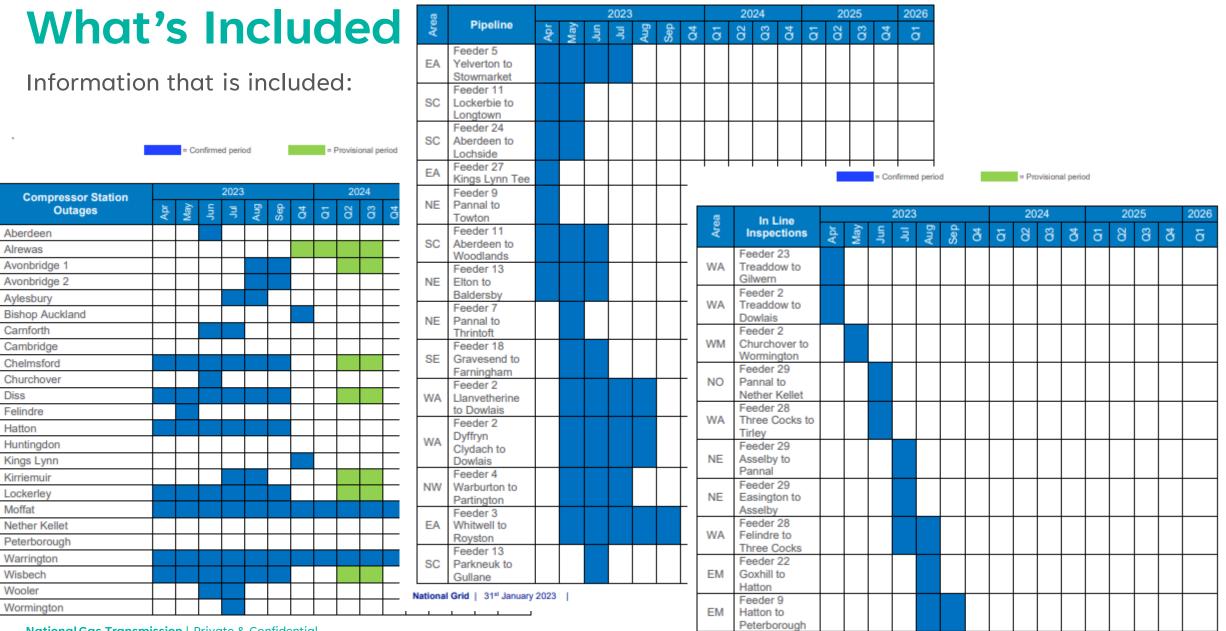
When working with our customers to plan our system access requirements, we consider maintenance requirements, forecast supply, and demand patterns, as well as outage programmes from relevant and affected industry parties. This facilitates the alignment of work where feasible to reduce its impact.

If the dates of your planned outages change, please **contact us** as early as possible so that we can consider whether we can also realign our works to reduce any impacts.



= Pressure Restriction

= Provisional period



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What's Included

	Apr	May	Jun	Jul	Aug	Sep	Oct
St Fergus	95	69	79	88	81	84	No
	(1045)	(759)	(869)	(968)	(891)	(924)	impact
Teesside	No						
	Impact						
Barrow	No						
	Impact						
Easington	No						
	Impact						
Theddlethorpe	No						
	Impact						
Bacton*	No						
	impact						
Isle of Grain	No	41	40	35	35	48	No
	impact	(451)	(440)	(385)	(358)	(528)	impact
Milford Haven**	64	62	62	62	62	66	No
	(704)	(682)	(682)	(682)	(682)	(726)	impact

Capability Numbers (Summer Maintenance Plans only) - capability in summer can be impacted by reduced demands.

These numbers give an indication of capability at each terminal that is impacted by Maintenance.

Examples of what we do





SLIDO Poll

#OPSFORUM

"Do you find the maintenance plan useful?"

"Are there any additional things you'd like to see included or changed in the plan?"

&

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Information Provisioning

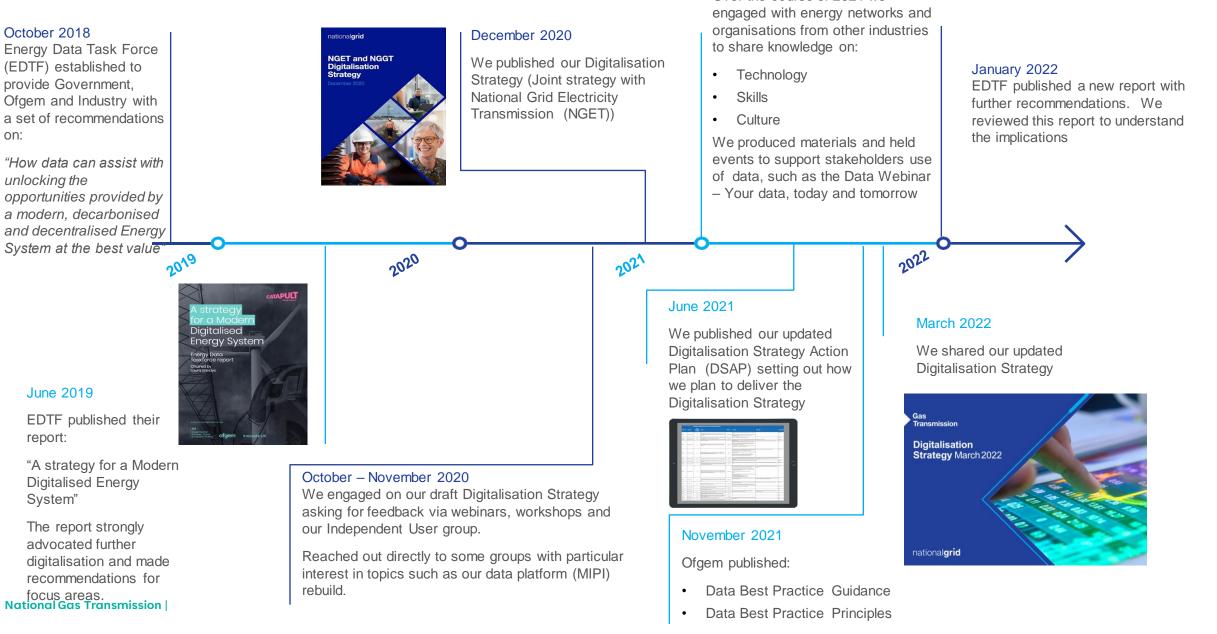
Rachel Hinsley Operational Liaison & Business Delivery Manager





Digitalisation Strategy Journey

on:



2021

Over the course of 2021 we

Focus Areas

Industry Data Triage Process

We proactively supported the development of the industry Data Triage process within the Energy Network Association Digital Data Strategy Steering group workstream. In parallel the process has been embedded into the Gas Transmission organisation to ensure ownership and transparency and timely response to the requester of data. This has enabled us to publish usable data sets to the personas described within the strategy to support optimisation.

Data Discovery Improvement Project Initiated

Customer & Stakeholder feedback during data webinars & work towards delivering Energy Data Taskforce recommendations we have initiated a Data Discovery Improvement project for the MIPI data platform. We will look to work with the persona groups on how we can improve data discovery e.g., machine readable data, common API standard, searchable data sets and interoperability.

Information Provision - Future Projects

Information Provision Project

Continuous improvement (including data triage and sharing of additional data)



Potential future changes:

- API solution
- Replace data item and report explorer
- Updating data to Metadata Standards

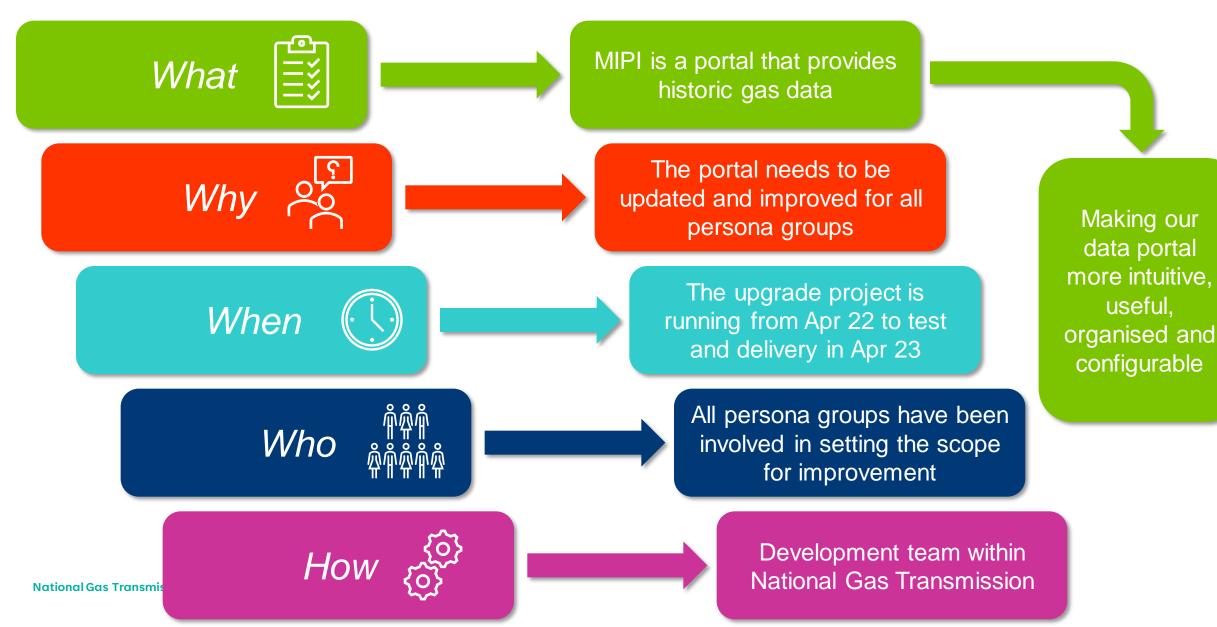
What is MIPI?

- MIPI (Market Information Provision Initiative) is the **web-based information platform** that serves market participants with a wide-ranging view of **Gas Transmission Operational Data**.
- Data is managed by Gas Transmission and is available via the **Transmission Operational Data Webpage** on our Website
- The data is made available in **multiple different formats** on different sections of the MIPI Platform including:

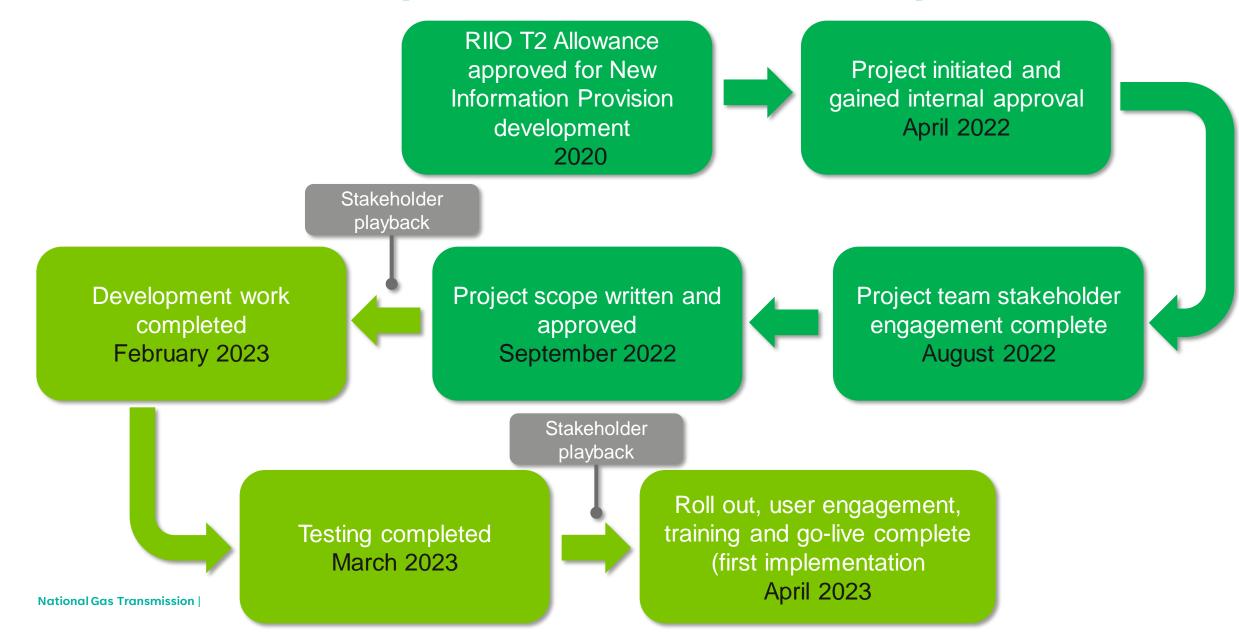


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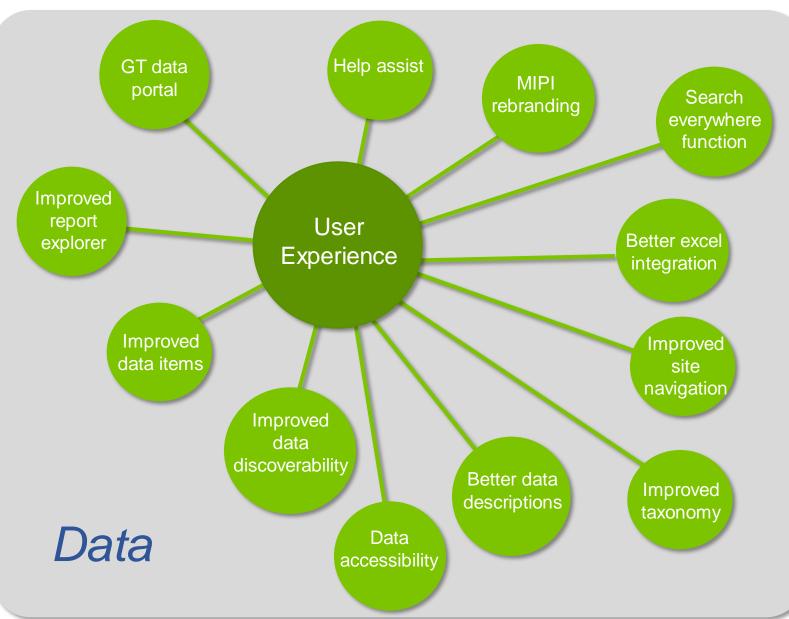
Transformation project - outline



Transformation programme - roadmap



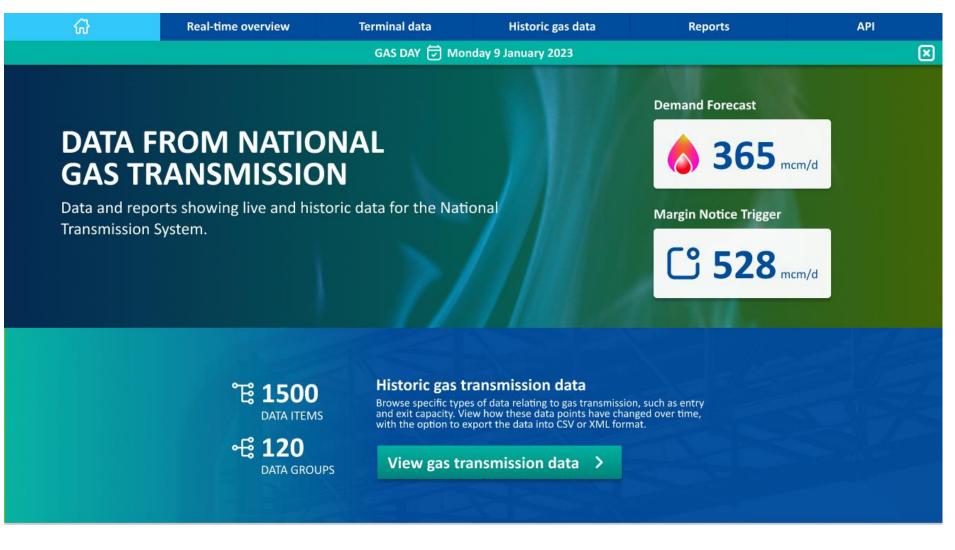
Transformation programme – deliverables



Stakeholder engagement April to August 2022:

Webinars Workshops Survey e-mails Questionnaires

Example screen - Landing Page



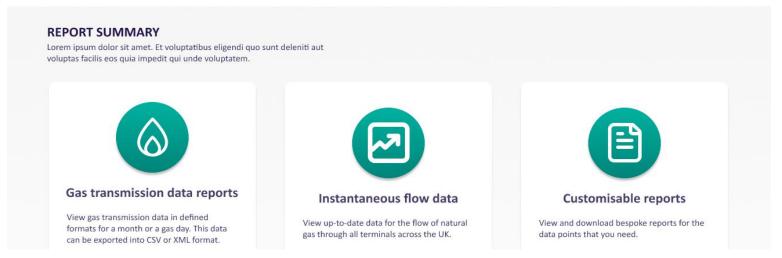
Example screen – Summary Landing Page



REAL-TIME OVERVIEW

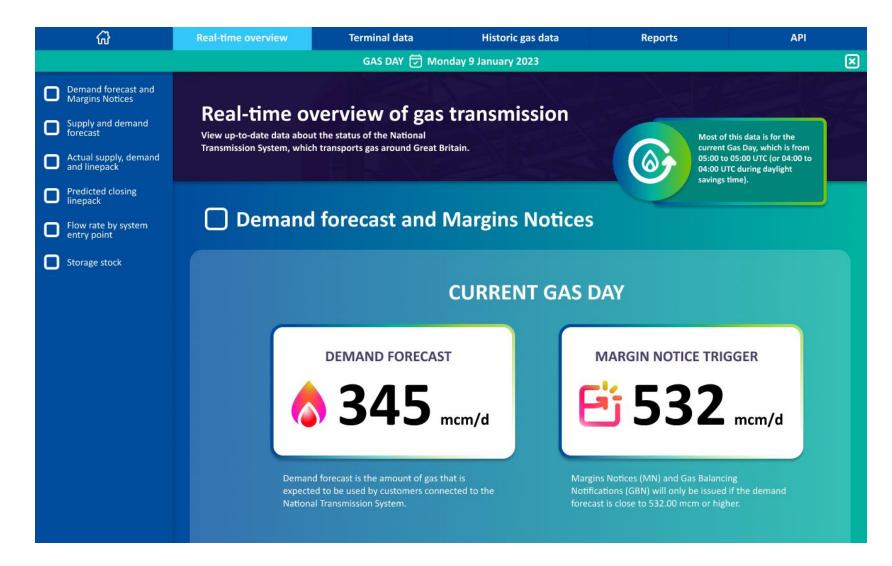
View up-to-date data about the status of the National Transmission System, such as the supply and demand of gas, and forecasted demand for the next few days.

Go to real-time overview >

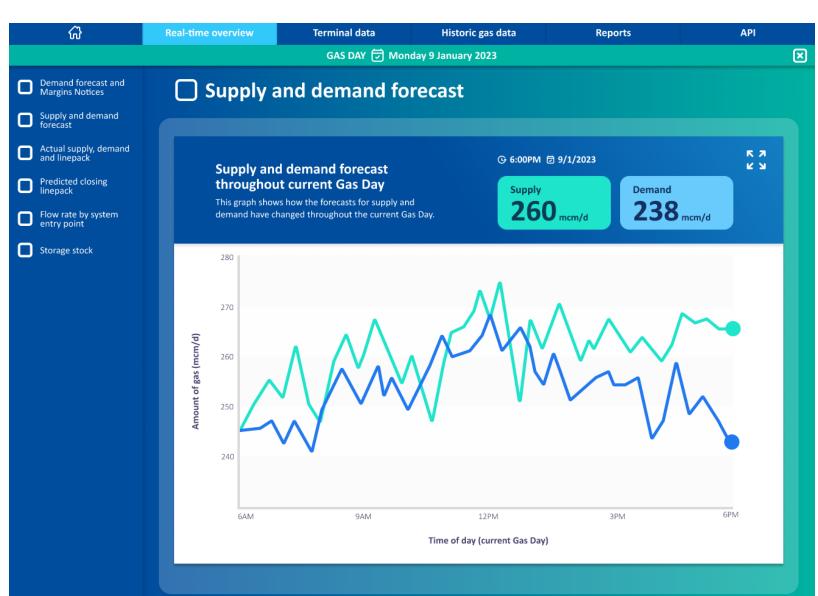


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Example screen - Prevailing View



Example screen- Supply and Demand



Next steps – Transformational Project

- We are currently testing the new system
 - User testing would be welcomed- would you like to get involved?
 - Email <u>Box.OperationalLiaison@nationalgrid.com</u> to join in the testing
- Implementation end of April 2023; training manuals to be provided
- We welcome feedback on this implementation and suggestions for change for future implementations of the new information provision project

BAU Enhancements

- As well as our projects we are continually assessing smaller, incremental enhancements that can be made to our systems
- Examples include **recent changes** to Prevailing View with Margins Notice and Demand Forecast data for week ahead, Interconnector instantaneous demands, and time-based instantaneous flows

Instantaneous Flows (mcm/day)

Forecast Margins Notice and Demand D-2 to D-7

Date	17/11	18/11	19/11	20/11	21/11	22/11
Margins Notice	522	522	522			
Demand Forecast	250	275	268			

To view the Daily Margins Notice Report please visit the Margins Notice page on our website

Interconnector Export	Interconnector Export Totals	09:12	09:14	09:16	09:18	09:20	09:22				
-	Bacton BBL Export	15.30	15.30	15.30	15.37	15.37	15.42				
	Bacton INT Export	0.00	0.00	0.00	0.00	0.00	0.00				
	Moffat Export	17.86	17.93	17.98	17.95	17.98	18.06				



2



Total Supply

Data Triage Process

- Established in 2021.
- A centralised data request form is hosted on the ENA Website: <u>Here</u>
- You can still **request directly** through Networks including National Gas Transmission via: <u>box.operationalliaison@nationalgrid.com</u>



Data Request Form

Not can use this form to request any type of data from UK energy retwork operators.

This request form is in the Proof of Concept phase - data will not currently be delivered as part of this request process.

Energy Networks Association processes these requests on behalf of the Data and Digitalisation Steering Group to gather insights into a standardised approach for handling data requests. The information you provide is managed in line with our privacy practices @data.c/www.energynetiescks.org/objecty.policol

Please note that this request form does not allow you to save progress and continue later.

If you are having difficulties completing this form, please contact tiens Theodorou at stens theodoroutilecergy setworks.org

* Requester Information

"L'full Name "

Entry your anisons

Data made Available via the Data Triage Process

- We have already **made additional data available** via the Data Triage Process
 - Historical Supply and Demand Data
 - Compressor Information
- We welcome additional requests for data
 - All of the information is available on the Gas Transmission Open Data Triage webpage: <u>here</u>

Gas Transmission Open Data Requests

In line with our Data and Digital Strategy and the Modernising Energy Data Strategy from the Energy Networks Association, we have created this webpage to share any new information and data that is made available as part of the new Industry-wide data triage process.

Enquiries

If you have an enquiry about gas transmission open data requests, please contact the Gas Operational Liaison Team Monday - Friday, 09:00-16:30.

• 01926 656 474

box.operationalliaison@nationalgrid.com

Is there any data that you would like to see which is not currently available?

If you are not sure who the right network is to provide this data then please request for the data using the ENA data request template https://www.energynetworks.org/creating-tomorrowsnetworks/modernising-energy-networks-data and they will ensure your request gets passed through to the relevant network. If there is any data relating to the National Transmission Network that you would like to be made available then you can contact us at the following email address: hox.operationaliaison@nationalgrid.com and we will assist you with your data request.

All of the information is available on the Gas Transmission Open Data Triage webpage: here

Milford Haven ECR Consultation Update

Bridget Hartley Head of Operational Delivery

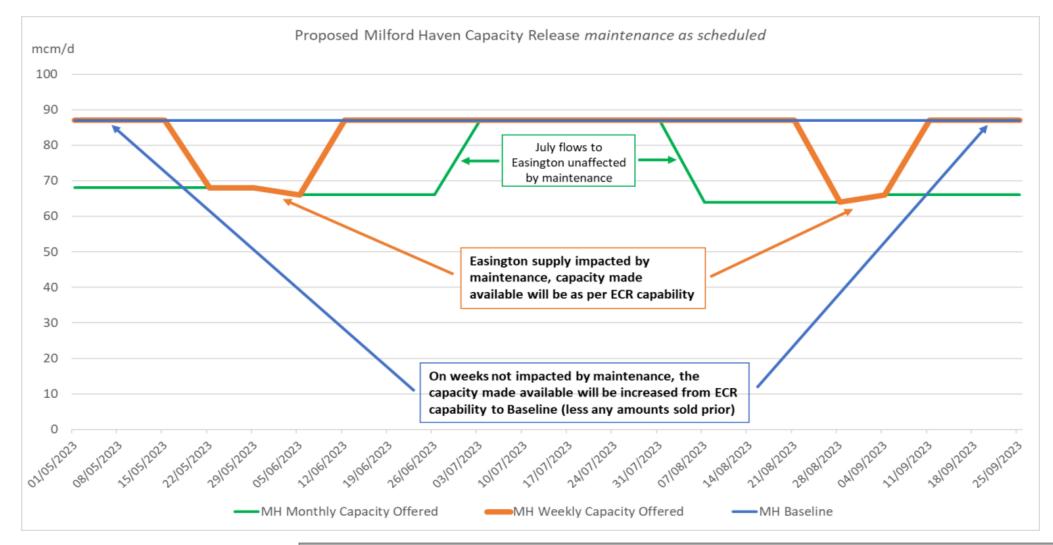






- Ofgem made a decision to reject the Milford Haven ECR proposal on the 6th February
- Two Key reasons:
 - The proposal was materially different to the one originally consulted on and therefore stakeholders hadn't had the opportunity to feed back on the new proposal.
 - Lack of an Independent Examiners Report
- In their response Ofgem urged us to:
 - Re-consult on the proposals,
 - Engage with industry to identify a means of implementing such a proposal and notifying interested parties about capacity release levels in good time, and
 - Address the requirement for any revision to the ECR to be accompanied by a report from an independent examiner

Modified proposal



Monthly auctions sell capacity for every day of the month (i.e. we can't sell monthly with an exclusion of last week of the month/first week of the month).

National Gas Transmission | Milford Haven Risk

Weekly capacity offered is reduced by monthly sold quantities.

Timelines

- 13th February Consultation Opened
- 13th March Consultation Closes
- April If approved by Ofgem monthly auctions for May would be the first impacted.
- A link to the consultation can be found here
 - https://www.nationalgas.com/document/142166/download
- Any questions please contact Anna Stankiewicz, Code Change Lead; <u>Anna.stankiewicz@nationalgrid.com</u>

General Updates

Nicola Lond Operational Liaison & Business Delivery Manager





SO Incentive External Report for Q3 2022/23

The report is located here:

https://www.nationalgas.com/aboutus/system-operator-incentives

Report is produced every quarter, six weeks after the quarter closes out when our regulatory reporting submissions have been submitted to Ofgem.

The annual incentive support document is also on the website (same location) which covers the first year of RIIO2 and provides a summary of all the incentive schemes.



operator incentives

system operator (SO) of the gas transmission network. To commercial pressures that would normally apply to a company mpetitive market, we are subject to a number of performance These SO performance incentives aim to maintain and improve motional efficiency and are subject to renegotiation at set

About gas incentives

The SO incentive framework was implemented by Ofgem in 2013/14 and lasted for eight years, known as RIIO-T1 price control. RIIO-T2 price control will stat in April 2021 and will last for five years. Outputs framework, we have a set of outputs that we have agreed

stakeholders. We deliver these outputs in return for an allowance that we have agreed with the regulator Ofgem. You can find a general overview of gas system operator Incentives in our Supporting Information Document. Documents relating to previous

Quick links

RIIO-GT2 Quarte Oct - Dec 22

> RIIO-GT2 Quarte Jul - Sep 22

RIIO-GT2 Quarte Apr-June 22

Supporting infor document

> Gas operations

Ofgem System C webpage

Charging Webinar

To attend get your ticket here:

An update on non-Transmission charges Tickets, Mon, Feb 27, 2023 at 9:15 AM | Eventbrite

Join as we share some updates on our proposed approach to updating General Non-Transmission Services charges for Oct 2023 and future years.



An update on non-transmission service charges

Monday 27th February

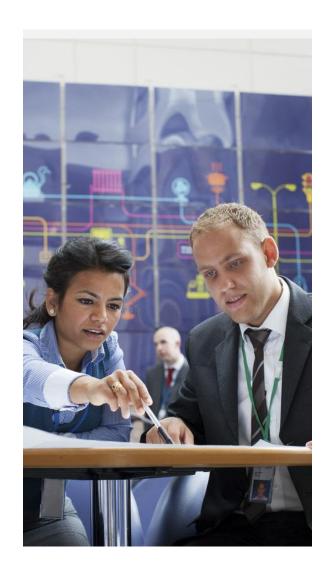


How to contact us

Operational Liaison Team

- Nicola Lond: <u>Nicola.j.lond@nationalgrid.com</u> (covering Rachel maternity leave from 23rd February to 31st December 2022)
- Mathew Currell: <u>Mathew.Currell@nationalgrid.com</u>
- Craig Shipley: <u>Craig.Shipley@nationalgrid.com</u>
- Operational Liaison Email: <u>Box.OperationalLiaison@nationalgrid.com</u>

For the National Gas Website, please visit; Gas Transmission | National Gas



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@nationalgrid.com
National Gas Transmission Website	www.nationalgas.com
Maintenance Planning	www.nationalgas.com/data-and-operations/maintenance

Britain's Gas Explained

January 2023

hational gas transmission

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



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

Confirmed Calendar Year 2023 Operational Forums

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

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Clermont & Online	Clermont & Online	Clermont & Online	х	Clermont & Online	Clermont & Online	х	х	Clermont & Online	Clermont & Online	Clermont & Online	х
26/01	23/02	23/03		18/05	22/06			21/09	19/10	23/11	

Registration is open for the March event at:

In Person: https://www.eventbrite.co.uk/e/541155529757

Online: https://www.eventbrite.co.uk/e/541156723327

The Clermont Hotel Charing Cross London WC2N 5HX

National Gas Transmission |

AOB & Questions?

Thank you

