

Gas
Transmission

Gas System Operations Covid-19 Response Webinar

Webex

08 April 2020

3.00pm – 4.00pm

Please ask any questions throughout the session
using www.sli.do (meeting code: #GasOps20)

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Introduction & Agenda

Joshua Bates

Operational Liaison & Business
Delivery Manager

national**grid**



Presenters

National Grid

Joshua Bates – Operational Liaison & Business Delivery Manager

Martin Cahill – Operational Liaison Lead

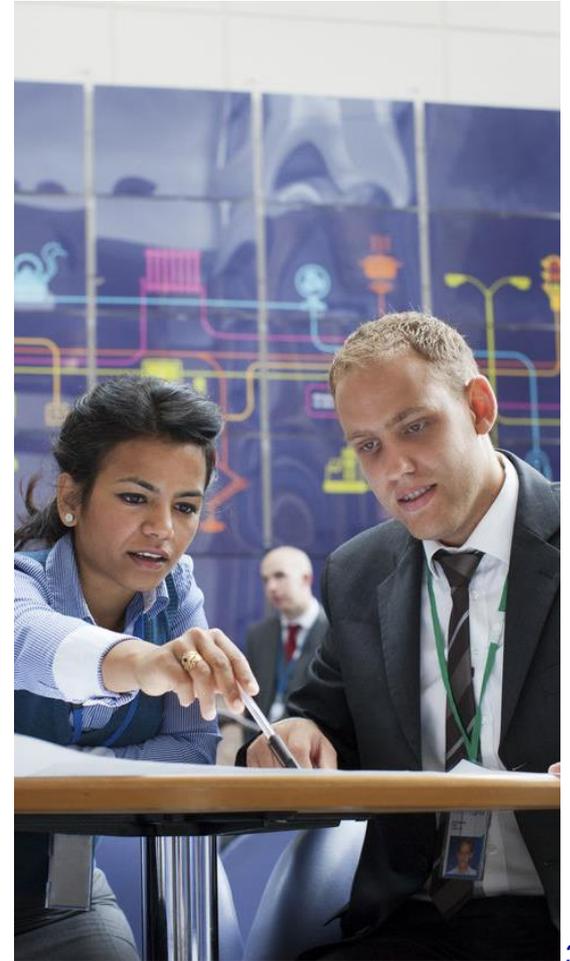
Craig James – Physical Operations Manager

Glenn Bryn-Jacobsen – Gas National Control Manager

Dan Treverton – Commercial Officer (Gas National Control Centre)

This slide pack will be uploaded onto the collaboration site and National Grid website after the meeting.

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



Agenda for Today

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- | | |
|-----------|---|
| 01 | Industry Engagement |
| 02 | Operational Update |
| 03 | Focus area: Demand |
| 04 | Focus area: Maintenance |
| 05 | Gas National Control Centre preparedness, resilience and emergency response |
| 06 | GNCC Commercial Operations Update |
| 07 | Questions |
-

Please ask any questions using on sli.do (meeting code: #GasOps20)

These will be covered at the end

Housekeeping for WebEx Forums

During our WebEx events;

- Attendees will be automatically muted on dial in, please ensure your cameras are off too.
- Please ask any questions throughout the session using www.sli.do (meeting code: #GasOps20) and up rate other questions if you would like them answered. We will cover any questions at the end of the presentation.
- For both presenting and answering questions we will endeavour to state our name and position in National Grid before speaking.



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Industry Engagement

Joshua Bates

Operational Liaison & Business
Delivery Manager

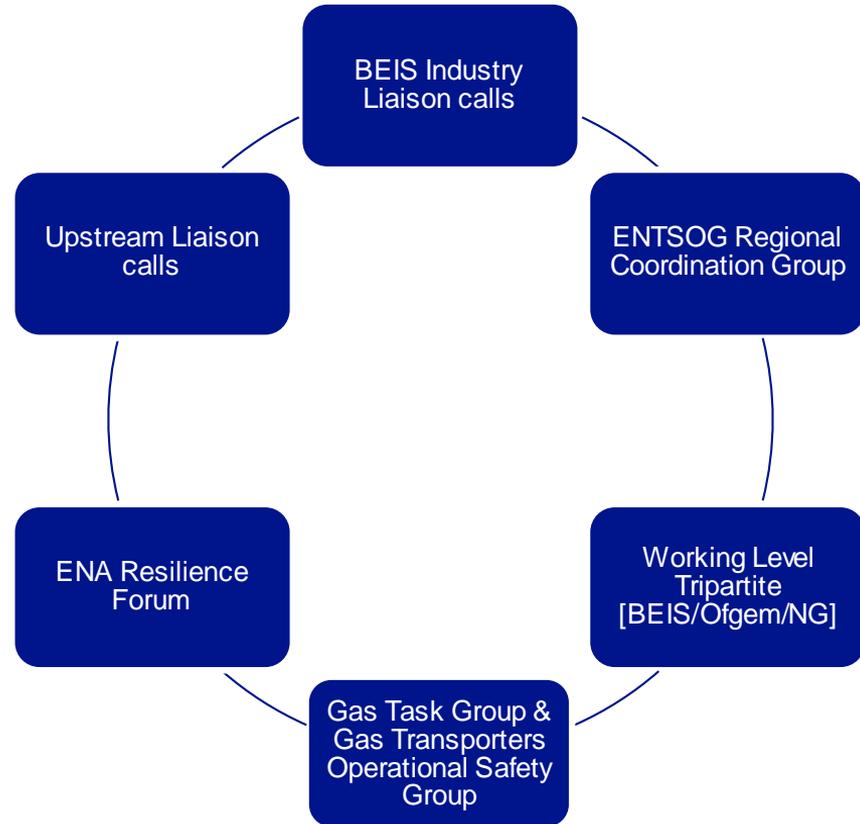
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COVID-19 Industry Forums

Several industry forums have either been established, or are holding a cadence of exceptional meetings, to focus on the response to COVID-19

If you are not currently involved in any industry engagement and would like to be, please email Box.OperationalLiaison@nationalgrid.com and we will put you in touch with the host.



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	Lon	X	War	Lon	X	X	Lon	Lon	War	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 2020 events at:

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

Covid-19 Specific webinars

Covid-19 webinars will be held every two weeks, however we would appreciate your feedback on the frequency you would find beneficial.

At all times, you can get in touch with us using the contact details on the following slide.

How to contact us

Operational Liaison Team

Joshua Bates: Joshua.Bates@nationalgrid.com

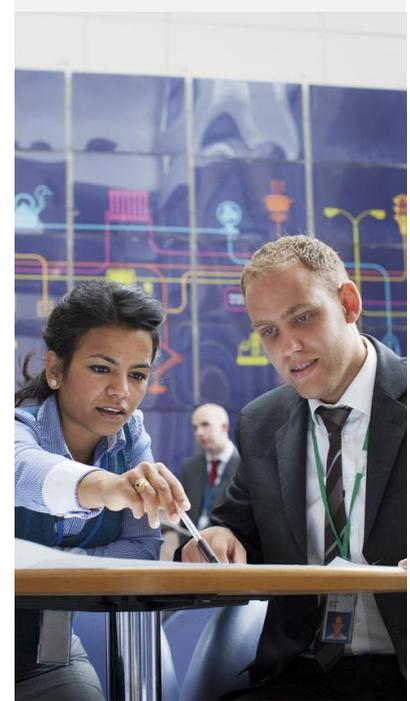
Martin Cahill: Martin.Cahill@nationalgrid.com

Operational Liaison Email:

Box.OperationalLiaison@nationalgrid.com

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>



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Operational Update

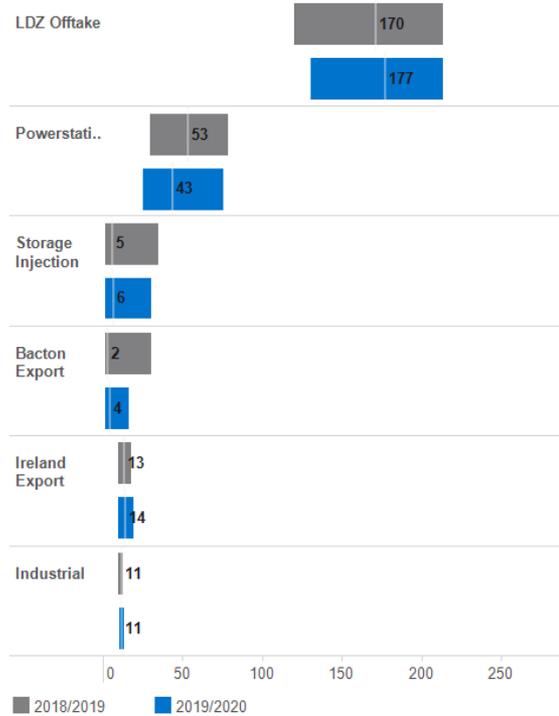
Martin Cahill
Operational Liaison Lead

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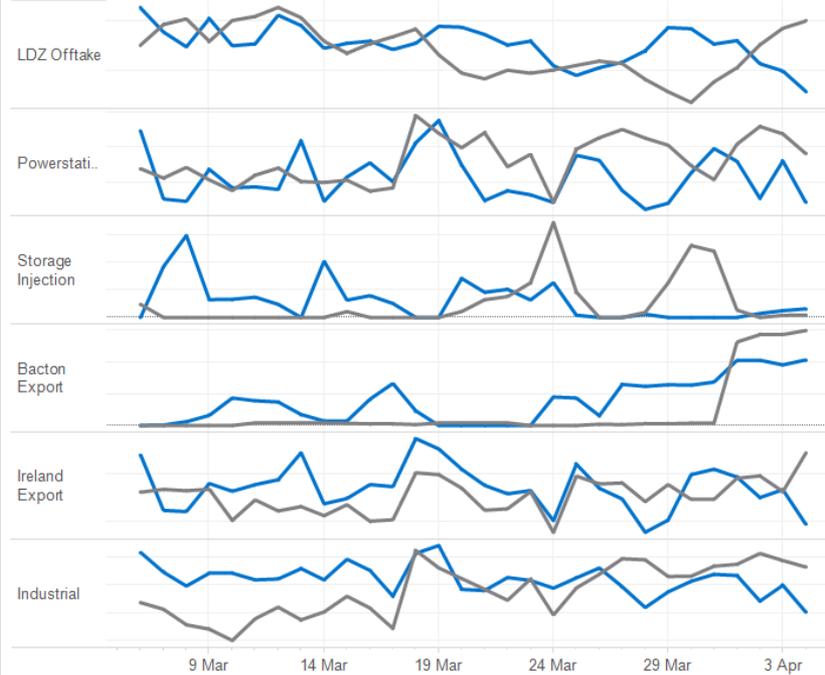


Demand Overview

Average Daily Volume and Range (4 weeks)



Trend Vs Previous Year (last 4 weeks)



Demand fluctuations post UK lockdown influenced by embedded industrial reductions and domestic heating increases

Bacton Export stepping up towards summer season

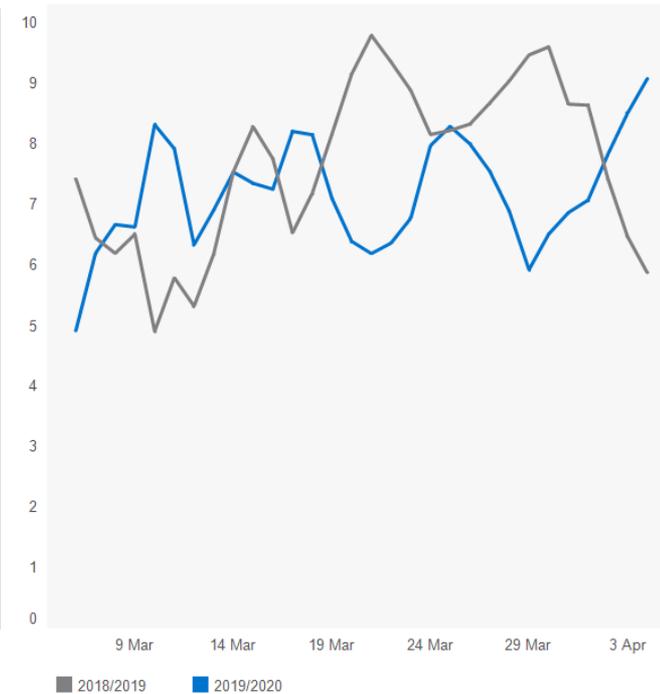
Irish Demand differs to UK with restriction timeline and market sector use

CWV and Seasonal Normal Demand

Seasonal Normal Demand



CWV



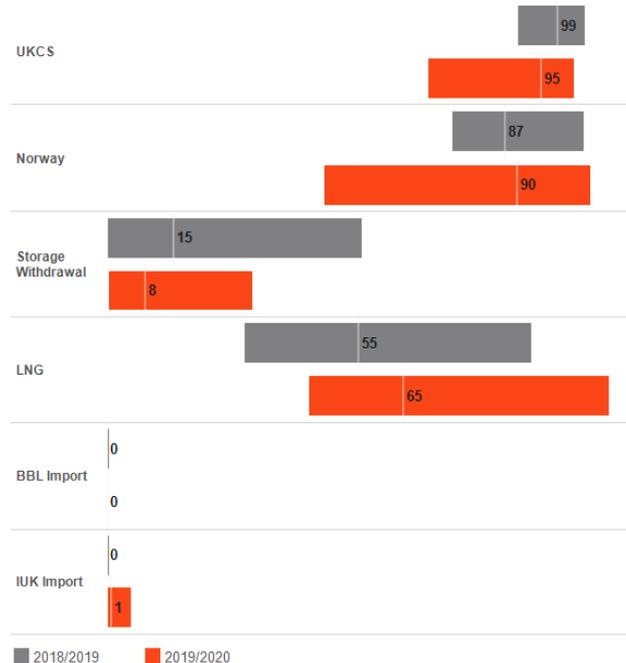
2nd half of March was colder than last year, while last few days has been warmer

CWV isn't correlating to demand in the same way this year, with actual demand typically lower (though variable)

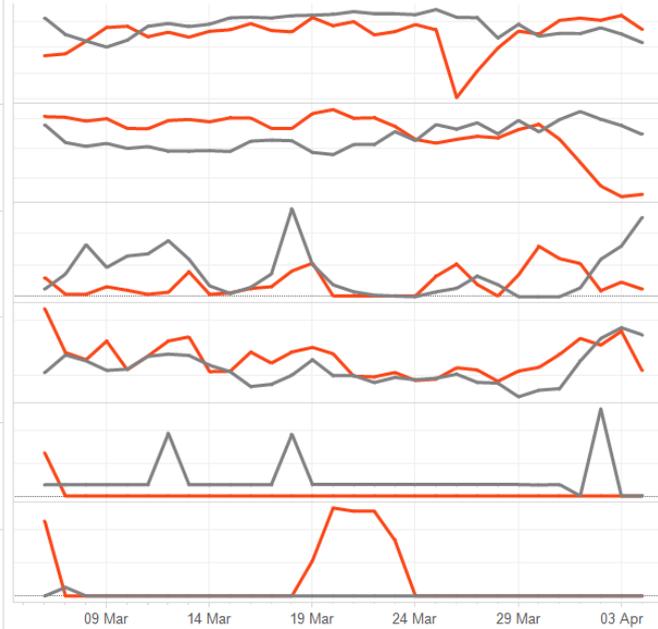
More detailed demand focus later in this webinar

Supply Overview

Average Daily Volume and Range (4 weeks)



Trend Vs Previous Year (4 weeks)

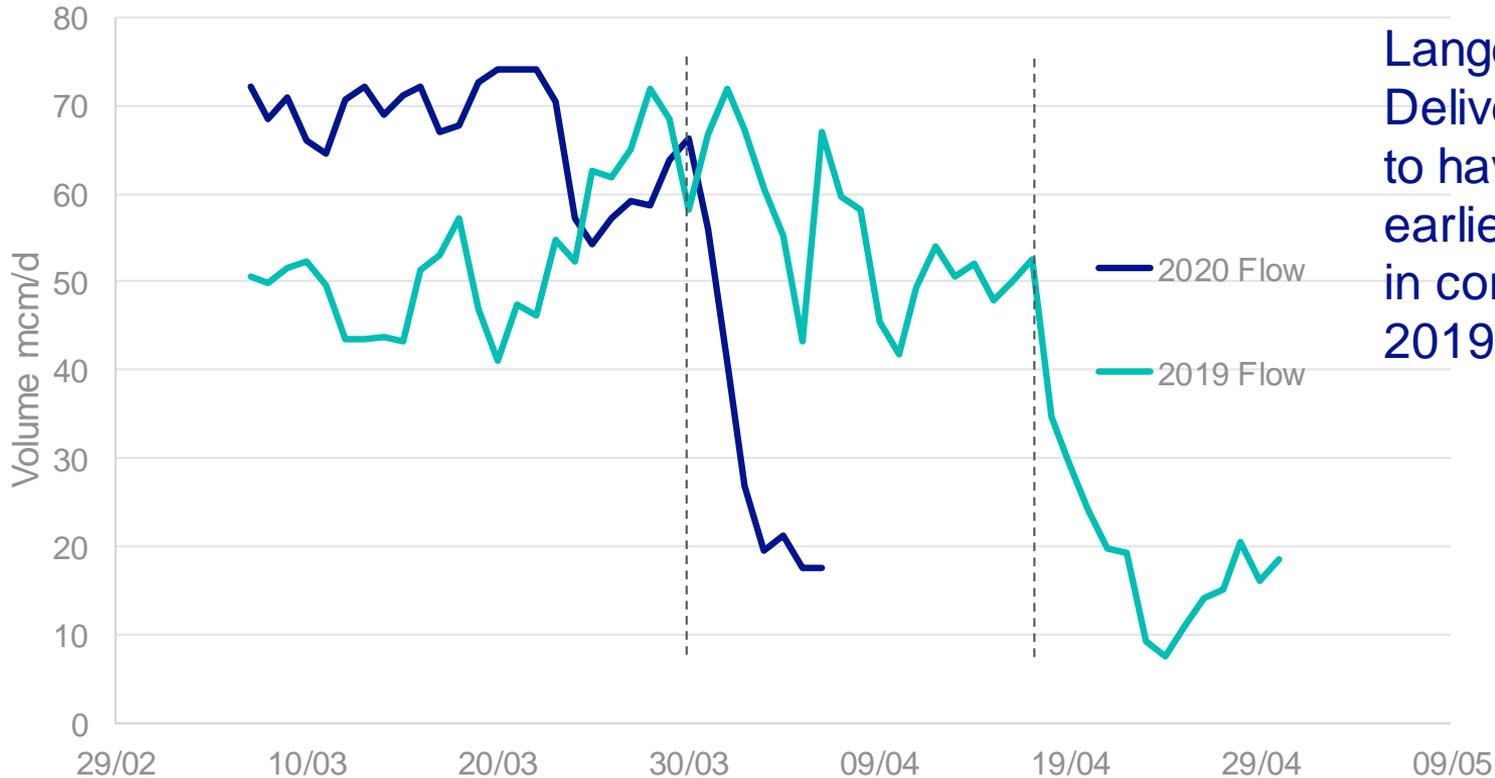


CATS Outage meant no flow at from either Teesside terminals on 26 March accounting for UKCS reduction

Norwegian flows through Easington dropped significantly towards end of March

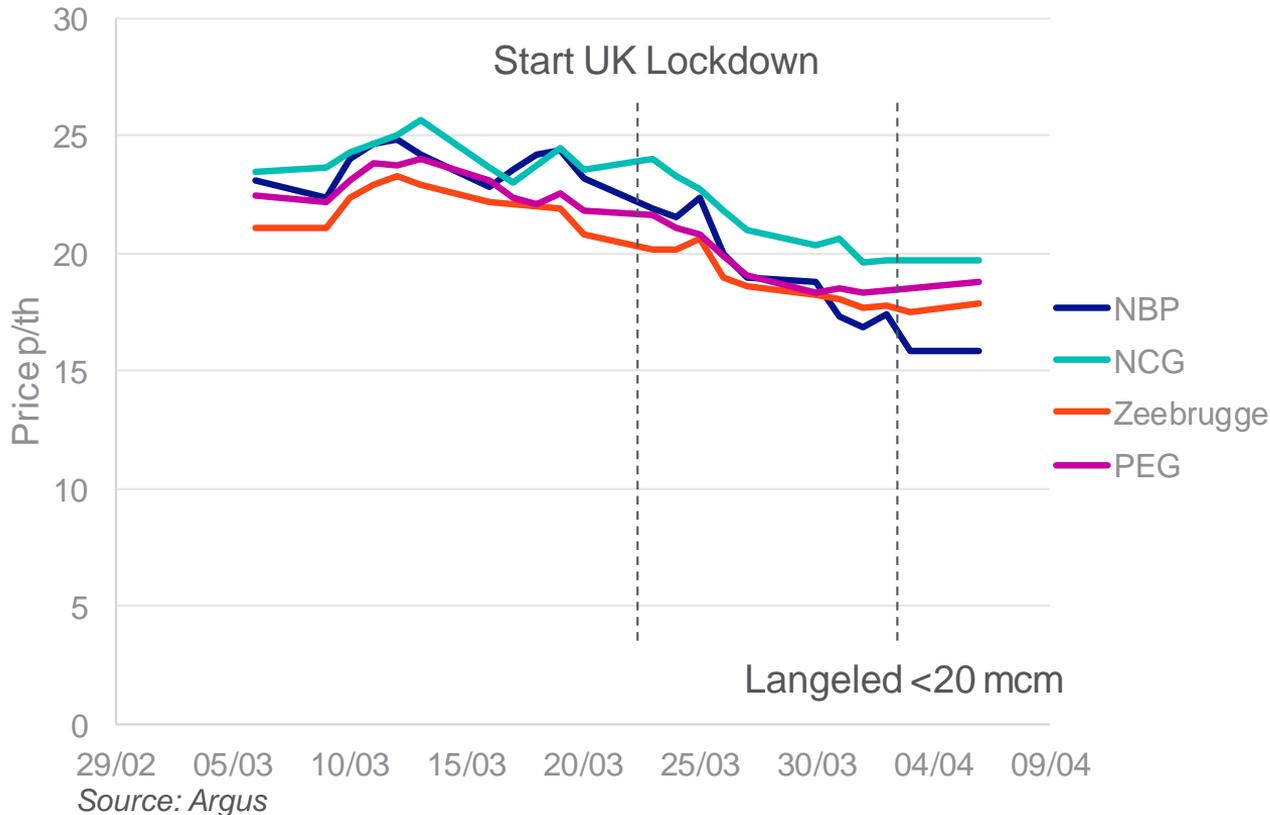
LNG similar to same period last year

Focus – Langedel Deliveries



Langedel Deliveries appear to have reduced earlier in the year in comparison 2019

Focus – Langeded Deliveries (Price Comparison)



Since lockdown in the UK have seen the NBP slip in comparison to other European markets

Norwegian exit flows overall reduced towards the end of the month, with deliveries at other terminals fairly stable

Gas System Operator

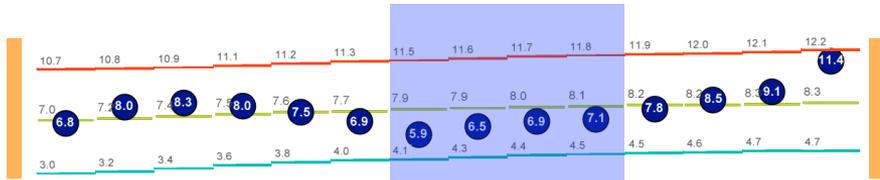
Focus area: Demand

Craig James
Physical Operations Manager

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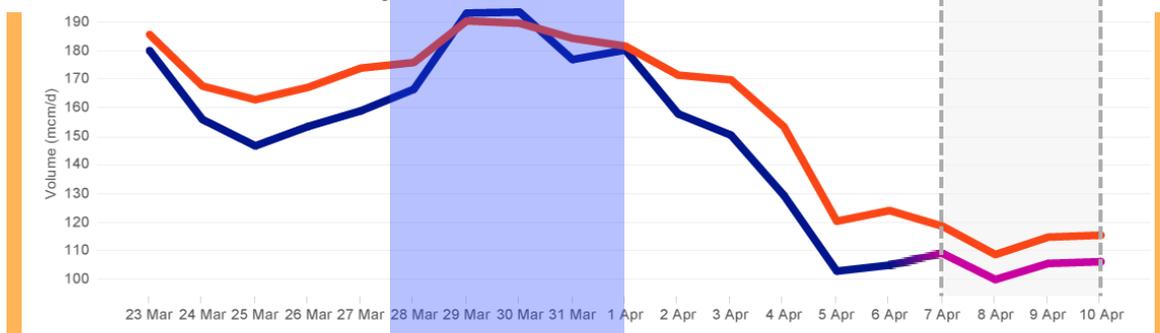
Demand Changes due to COVID19 Controls



LDZ Actuals

LDZ Normalised Demand (Actual and Forecast) – Revised demands based on our expectations without COVID-19 controls

LDZ Demand Forecast – Demand forecasts taking account of COVID-19 factors



KEY COVID19 IMPACTS

- + Increases in domestic demand
- Decreases in embedded industrial demand
- ~ Smaller changes in demand for directly connected customers (mainly related to reduced electricity demand)

RESULT IS AN OVERALL DEMAND REDUCTION

Difference in LDZ Demand when compared to Normalised LDZ Demand

The table below shows the percentage change in demand compared to the Normalised Demand. A positive % shows when LDZ Actuals have been above the normalised LDZ demand forecast and vice versa.

Date	23 Mar	24 Mar	25 Mar	26 Mar	27 Mar	28 Mar	29 Mar	30 Mar	31 Mar	1 Apr	2 Apr	3 Apr	4 Apr	5 Apr	6 Apr	7 Apr	8 Apr	9 Apr	10 Apr
% Change	-3.0%	-6.9%	-9.9%	-8.2%	-8.6%	-5.3%	1.4%	2.1%	-4.0%	-0.8%	-7.9%	-11.4%	-15.6%	-14.5%	-15.3%	-8.0%	-8.0%	-8.0%	-8.0%

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Focus area:
Maintenance

Craig James
Physical Operations Manager

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Network Maintenance during COVID19 Outbreak

Processes implemented to ensure we can continue to complete essential maintenance activities on critical infrastructure to assure network reliability

Planning

- **Proportion of non-critical activities deferred until after the outbreak, maximizing resource availability and resilience**
- **Agile maintenance prioritization process enacted, to review work packages and reassign resource to essential projects should it be required**
- **Enhanced focus on resource, logistics, supply chain and fault management**

Execution

- **All work activities subject to a thorough COVID-19 Risk Assessment reviewing both staff safety and execution dependents**
- **Social distancing measures implemented for all activities (where appropriate), or additional controls to be applied**
- **Strong expectation that we have the plans and controls in place to maintain network reliability throughout the outbreak and into the future**

Gas System Operator

Gas National Control Centre preparedness, resilience and emergency response

Glenn Bryn-Jacobsen
Gas National Control Manager

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Summary of Gas National Control Centre Response to COVID19 Outbreak

Well-rehearsed incident management framework underpinned by robust ISO BCM plans and procedures.

Control Room Operations – Pandemic plan rapidly activated

- Operationally critical activities have been separated, including physically splitting GNCC staff over a number of secure sites
- Changes made to shift rota arrangements, alongside reauthorizing some staff to further build additional resilience
- Preserved physical separation between shift personnel on handover and enhanced cleaning in the Control rooms – Site access restricted to critical staff only
- Additional measures may be introduced as we continue to refine and reinforce our plans as the impact of Covid-19 evolves

GSO Non-Control Room Staff

- All non-control room staff working from home
- System operation and continued monitoring is maintained due to our BCM plans.

Maintaining a response capability

We are confident that our incident management response capabilities minimises the risks posed by this pandemic to deliver a safe, reliable and secure gas supply to our customers.

National Grid's Emergency and Incident Framework Team has revised our Network Gas Supply Emergency Procedure (E3) to assure the NEMT continues to be ready to respond whilst maintaining the safety and wellbeing of our people;

- The NEMT will continue to respond
- Responder availability is being closely monitored
- Responders will assure fax machines are monitored before issuing directions and information requests, email being the contingency

Industry Exercises

GDN Critical Transportation Constraint Exercises

- Three exercises took place in February to assure the ability of NG and the GDNs to handle a constraint on the NTS requiring the use of the emergency strategy
- **Complete**

Exercise 'Broadcast'

- Energy Industry Communications Exercise facilitated by the Communications Task Group
- **Postponed till further notice**

Exercise 'Baltic'

- Network Emergency Coordinator (NEC) Industry Exercise
- Essential pre-winter assurance of the industry's preparedness to respond to an emergency
- **Will take place in September**, Office of the NEC monitoring requirements for scope change

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GNCC
**Commercial
Operations
Update**

Dan Treverton
Commercial Officer GNCC

national**grid**



GNCC Commercial Operations

Commercial Operations within the GNCC continue to operate normally at this time.

Continuity of your routine interactions into the GNCC is important to enable timely processing and response.

We understand home working has introduced some changes and we will continue to work with you to facilitate your needs. However, the correct routes must be taken to avoid additional workload in the GNCC

For physical flow notifications we offer an electronic solution called 'Electronic Data Submission Service' (EDSS) which we are actively encouraging users to sign up to.

To register your EDSS interest or for any other GNCC communication queries please email the Operational Liaison team.

box.operationalliaison@nationalgrid.com

Key ask:

Accurate

Timely

GNCC Commercial Operations

Shipper Support

The GNCC commercial team continue to provide support for queries and challenges faced by Shippers and NTS users. However, our capability with Gemini related requests is limited.

To ensure you get the appropriate level of response please contact the Gemini service desk in the first instance and allow time for Xoserve to process your call before contacting the GNCC.

Xoserve have increased their capability to support you.

Online portal: <https://servicedesk.xoserve.com/Portal/>

Email: servicedesk@xoserve.com

Phone: 0845 600 0506 or +44 (0)121 229 2858

GNCC Commercial Operations

Gemini Spring Release

Included in the Gemini Spring release implemented on Sunday 5th April was a new process introduced to enable Negative Implied Flow Rate (NIRF) requests to be managed more efficiently for shippers and the GNCC.

This new functionality has temporarily been removed whilst Xoserve address feedback received from shippers and the GNCC.

This remains one of our priorities and we hope to reintroduce the NIFR enhancement within the coming weeks. Thank you for your patience and support.

Gas Transmission

Questions & Close

Joshua Bates

Operational Liaison & Business
Delivery Manager

Please ask any questions at
www.sli.do
#GasOps20 (meeting code)

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