

Welcome and Opening

Thank you for joining us today

Please feedback via SLIDO

Slido.com #GTX13





Who will be speaking today?

Nera Lenden Stakeholder Experience Manager



Orlando Elmhirst Publication Lead



Chris Williams Network Analyst



Peter Crook Principal Network Analyst



Logistics



Should last for approximately about 60 min



Questions and polling via slido.com #GTX13



All callers will be placed on mute



We will circulate the slides and a recording of this webinar

Quick survey

Which of the following publications have provided you with useable information?

- Future Energy Scenarios (FES)
- Gas Ten Year Statement (GTYS)
- Annual Network Capability Assessment Report (ANCAR)
- Winter Outlook
- Summer Outlook
- Gas Future Operability Planning (GFOP)
- Transmission Planning Code

Agenda

Background Orlando Elmhirst **Areas of potential interest Chris Williams Future enhancements to network capability** Peter Crook **Stakeholder Engagement** Nera Lenden

Quick survey - results

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- Winter Outlook
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Quick survey

We would like some feedback on how we visualise the Network Capability data.

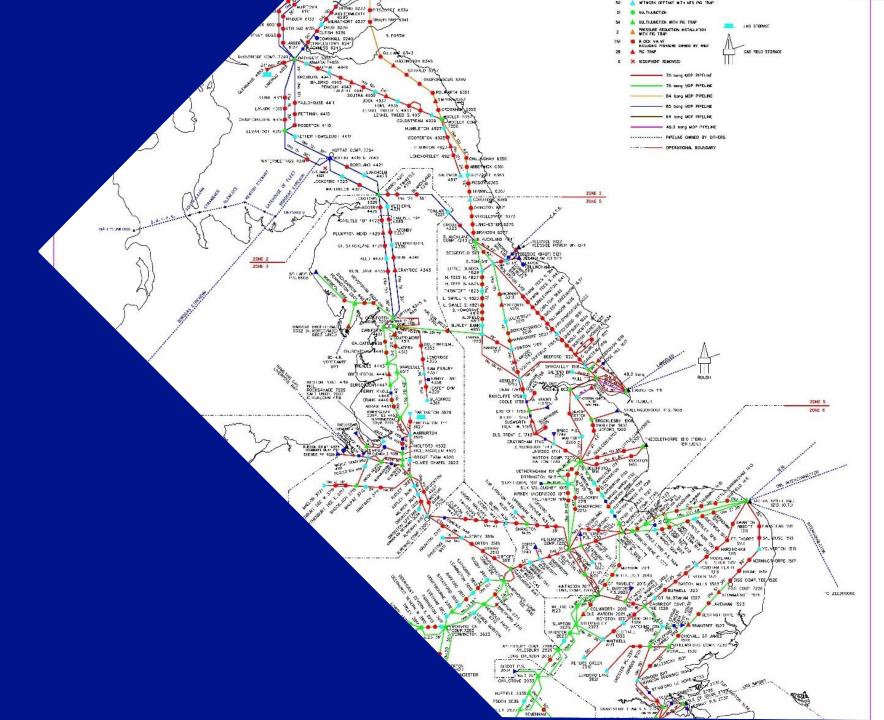
Does it meet your needs?

- Yes, it is comprehensive and intuitive
- Yes, but I think there is not enough detail
- Yes, but I think there is too much detail
- No, it needs more detail
- No, there is too much detail
- No, it is incomprehensible to me

Please explain

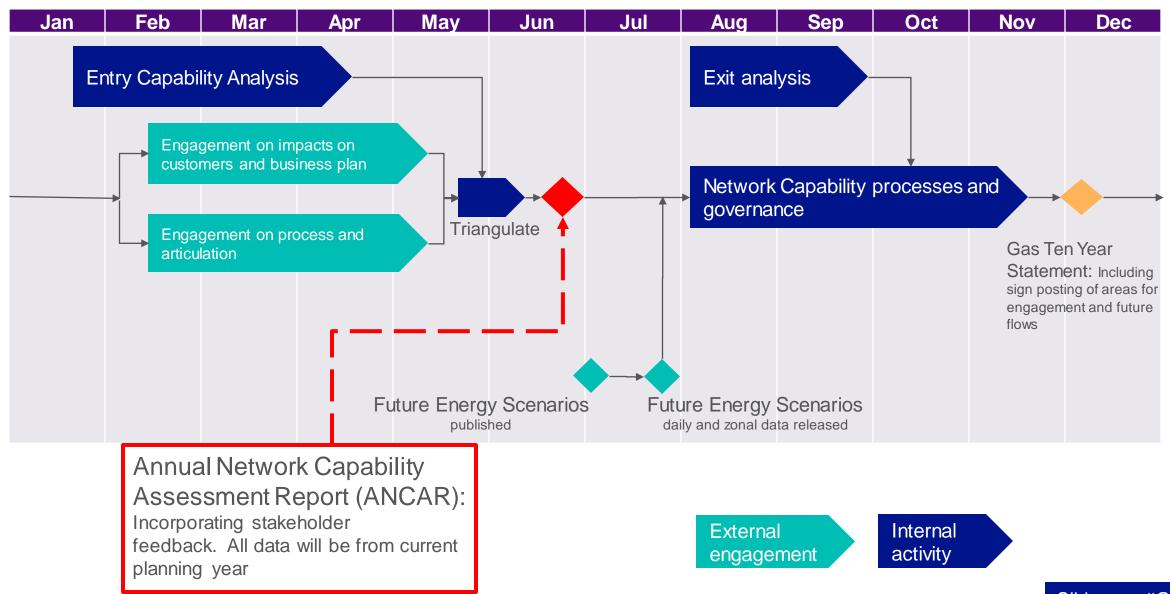
Gas Transmission

Background



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Gas Ten Year Statement and ANCAR relationship



What is Network Capability?

Current articulation:

Network capability level

The amount of gas that can be put on the network with all assets available

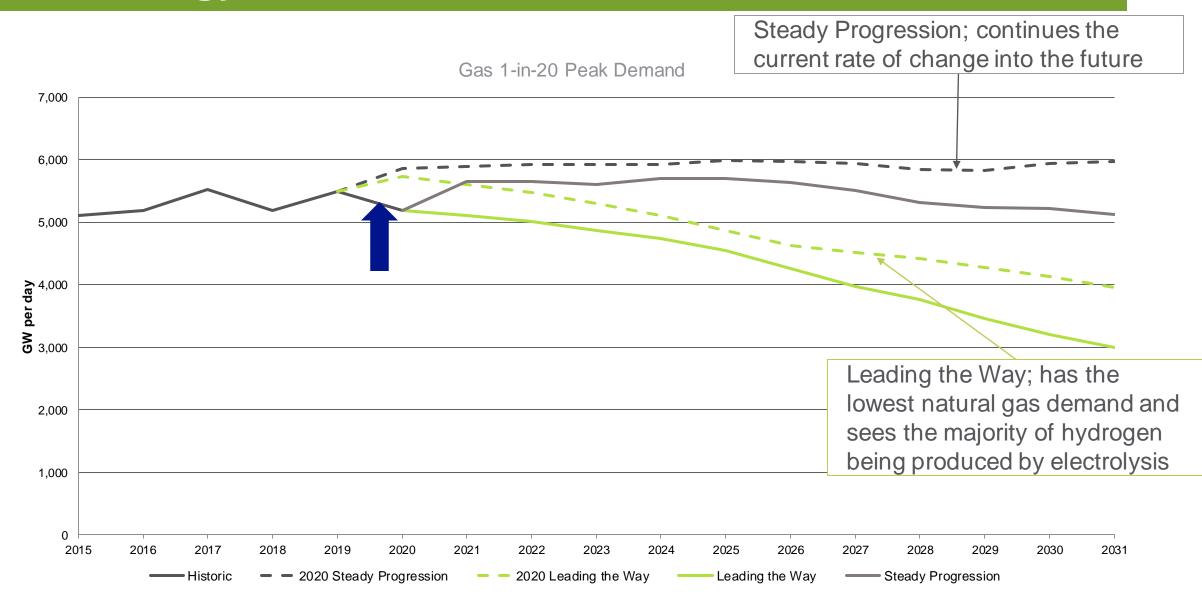
Developing measures to articulate:

Network capability resilience

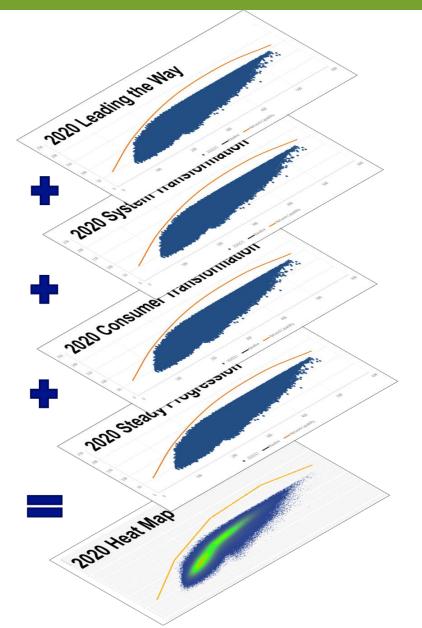


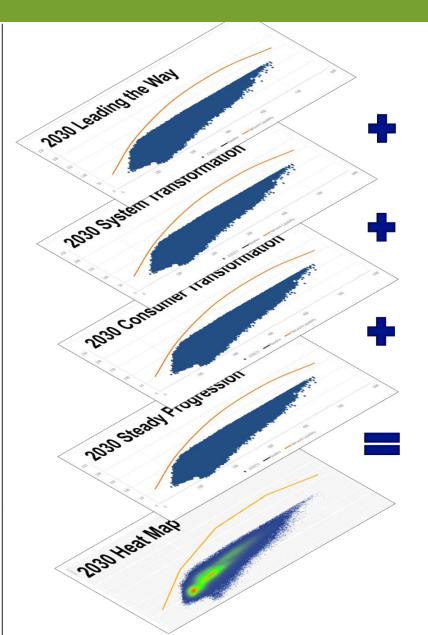
The amount of time (or how often) we can deliver the network capability level

Future Energy Scenarios

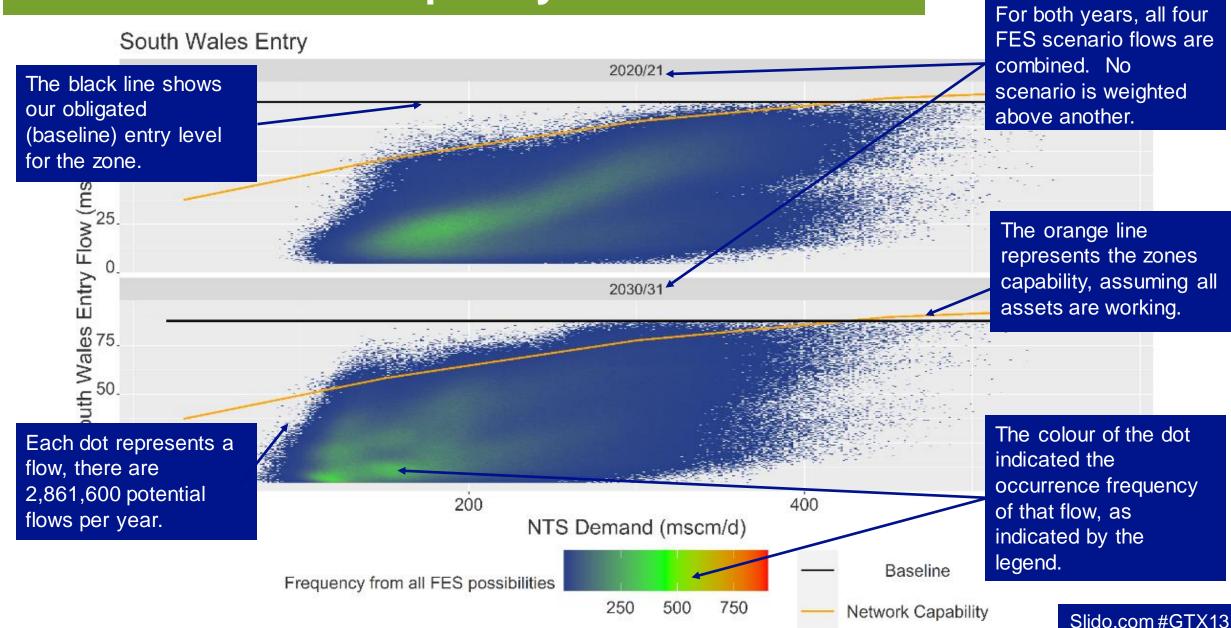


Frequency flow charts

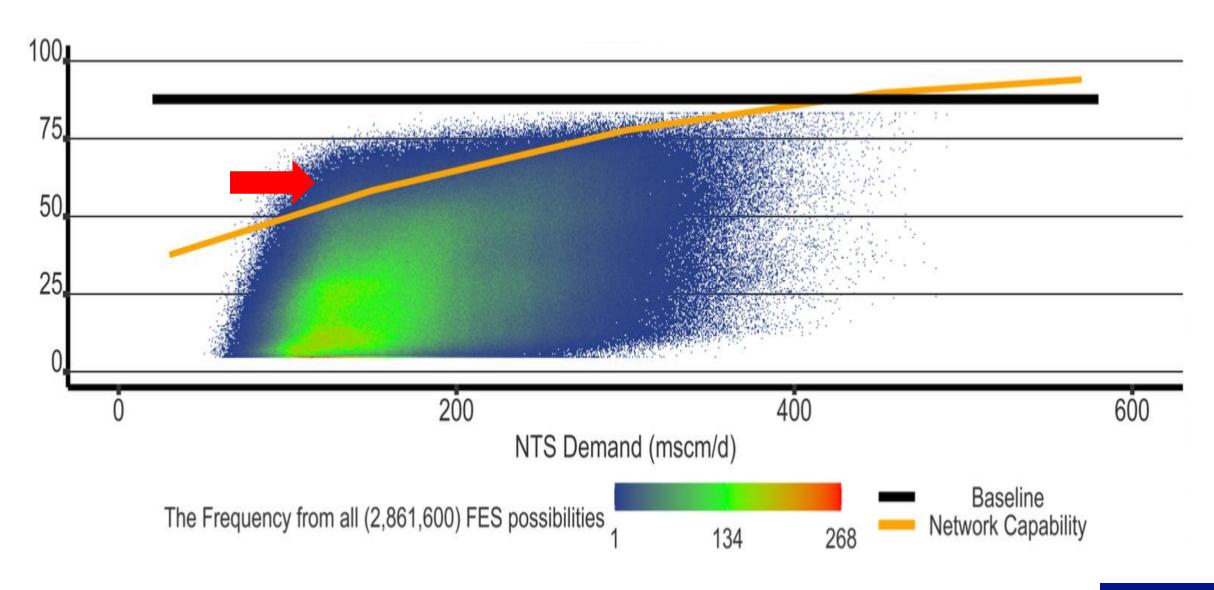




The elements of frequency flow charts

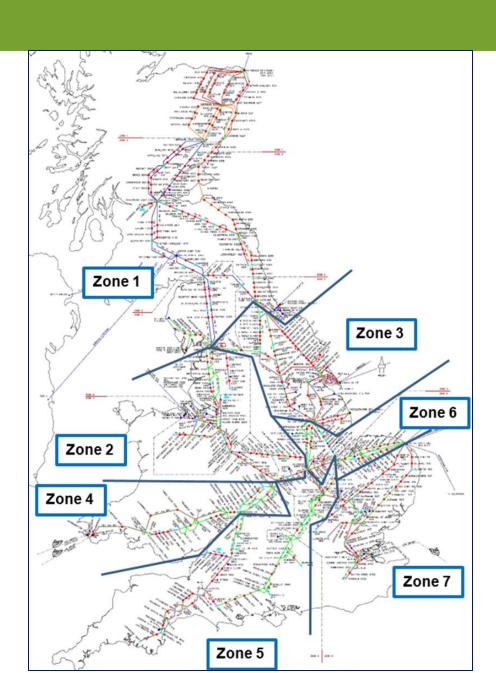


Identifying potential constraints



Gas zones

- Zone 1: Scotland and The North
- Zone 2: North West
- Zone 3: North East
- Zone 4: South Wales
- Zone 5: South West
- Zone 6: East Midlands
- Zone 7: South East



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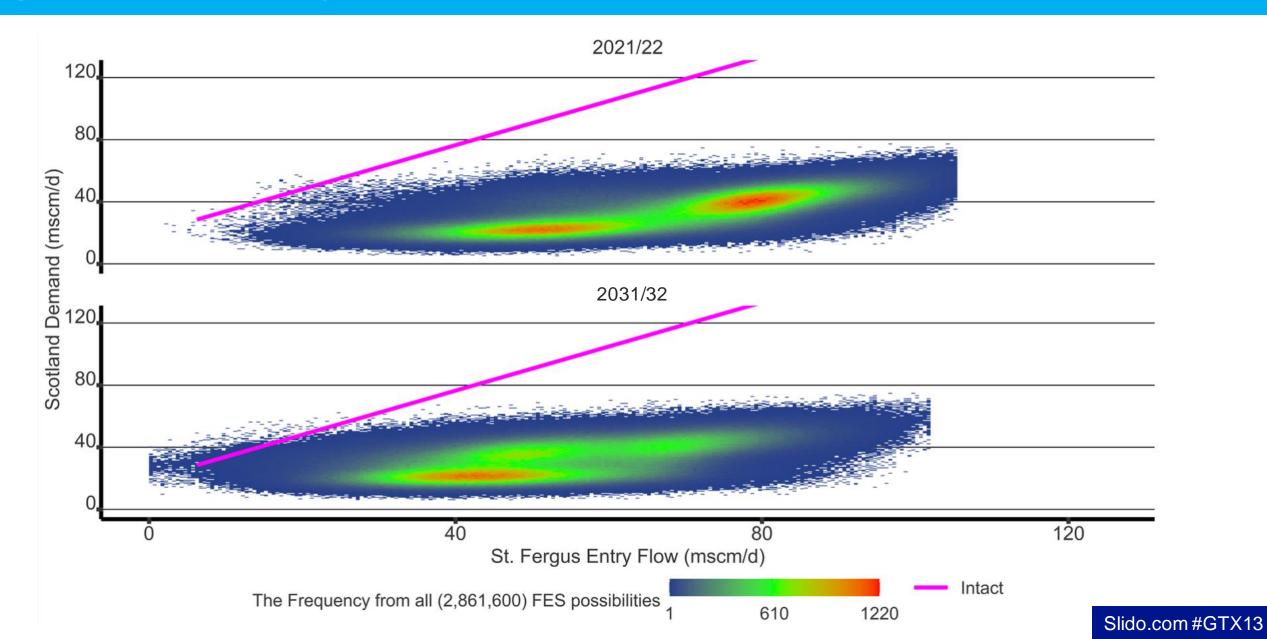
Gas Transmission

Areas of potential Interest

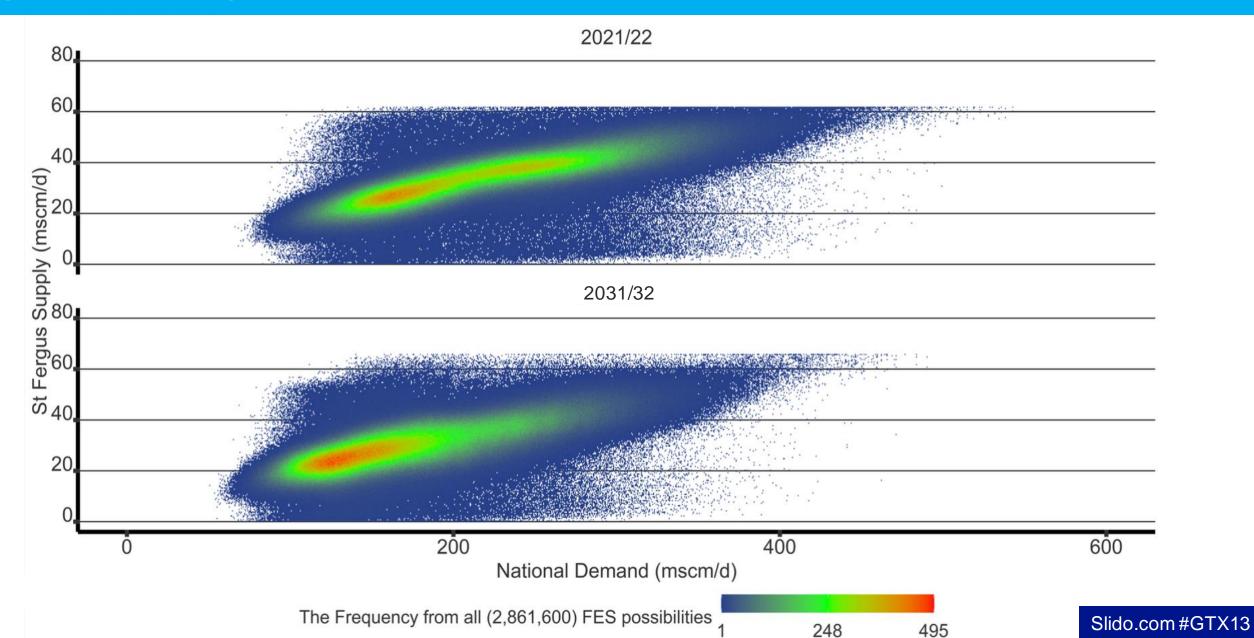


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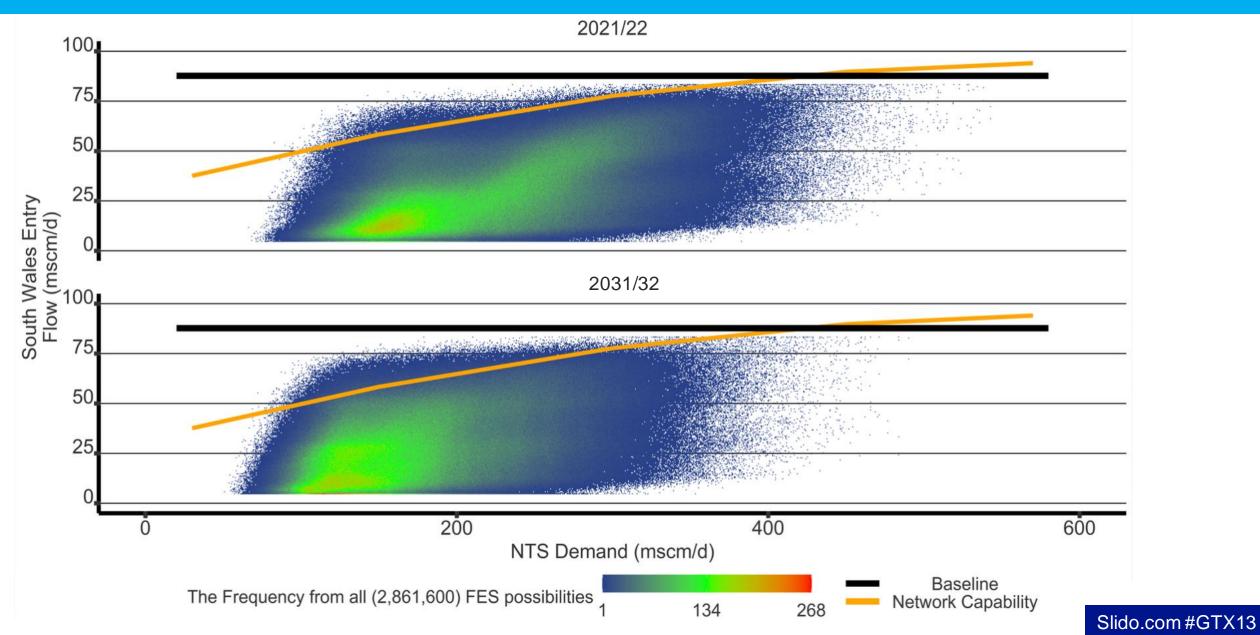
Scotland 1-in-20



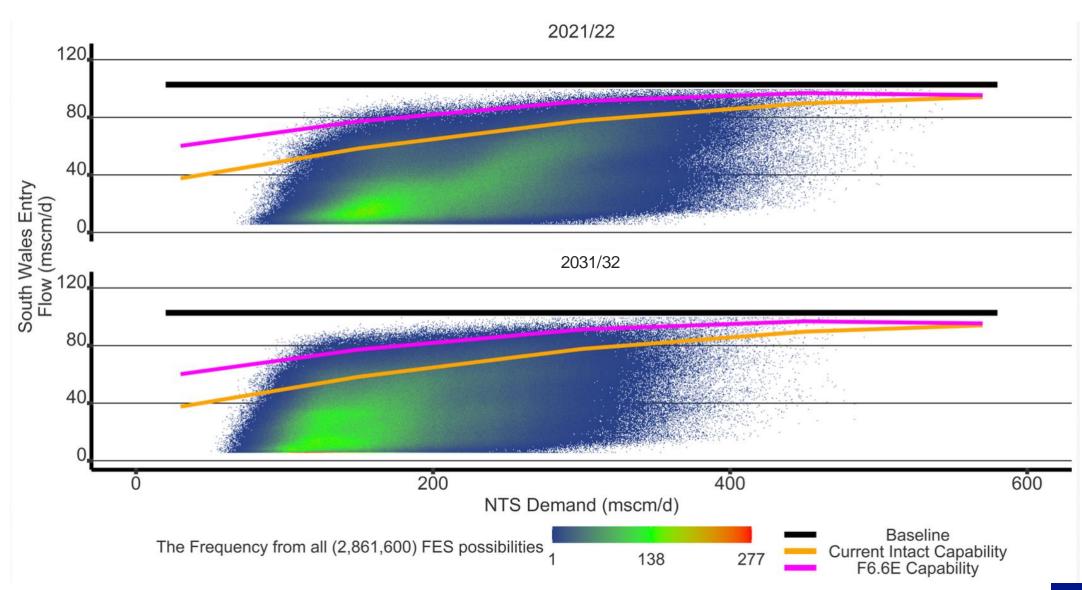
Scotland NSMP



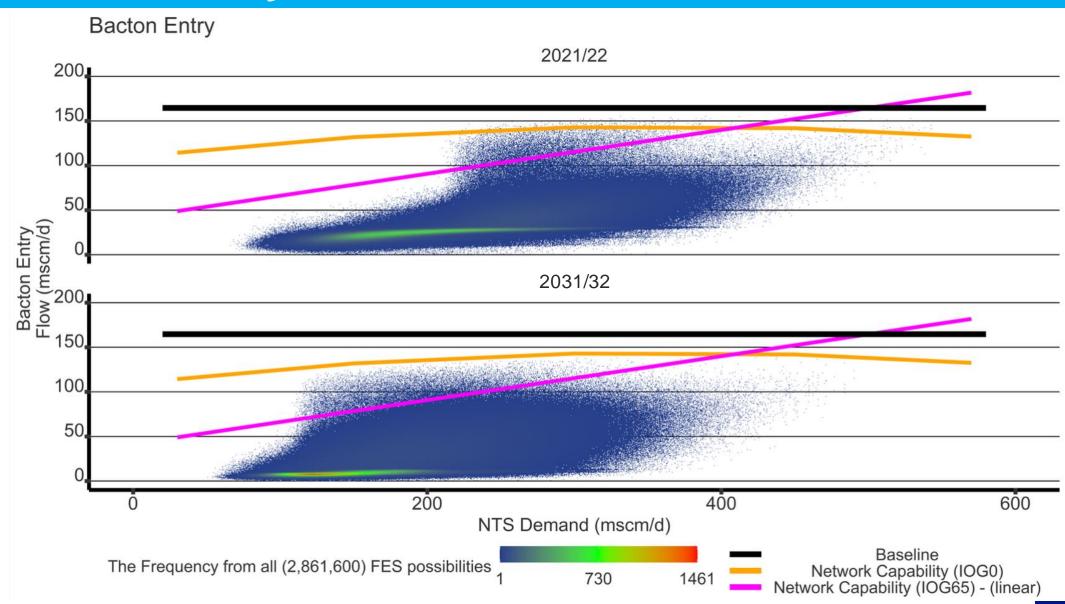
South Wales



South Wales western gas network project



South East entry

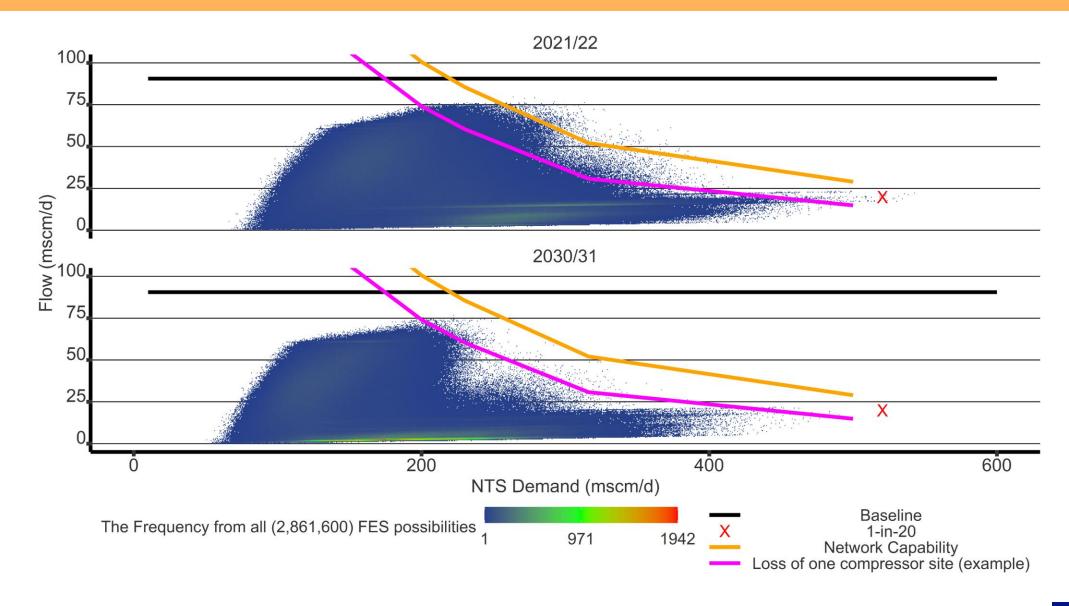


Gas Transmission

Future enhancements to network capability

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Resilience

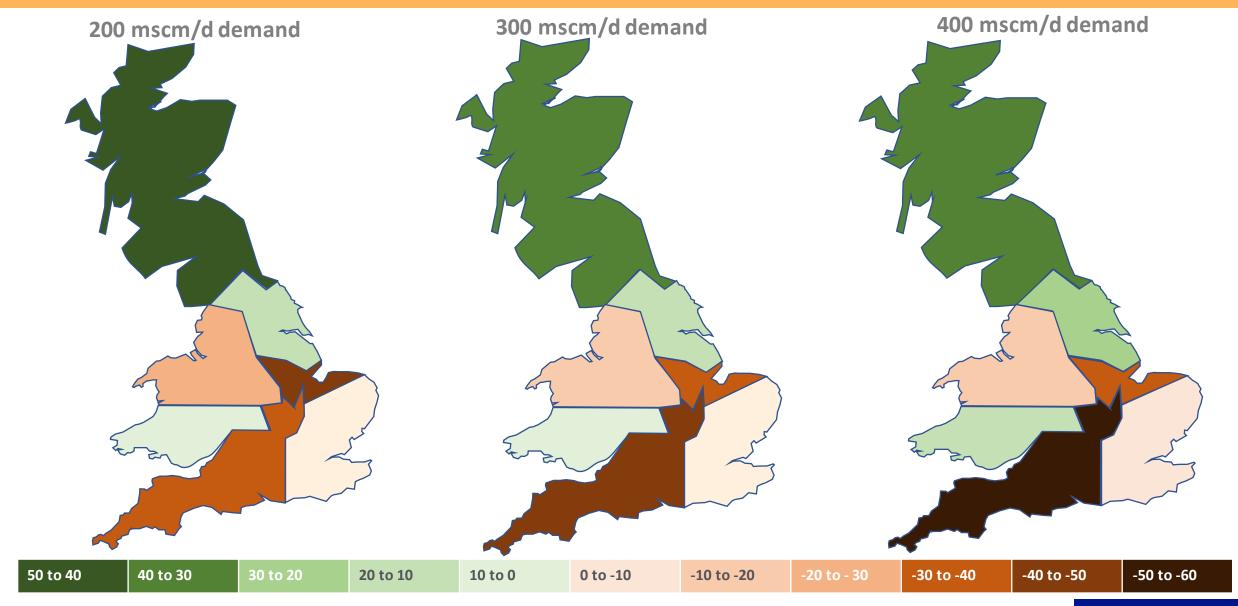


Quick survey

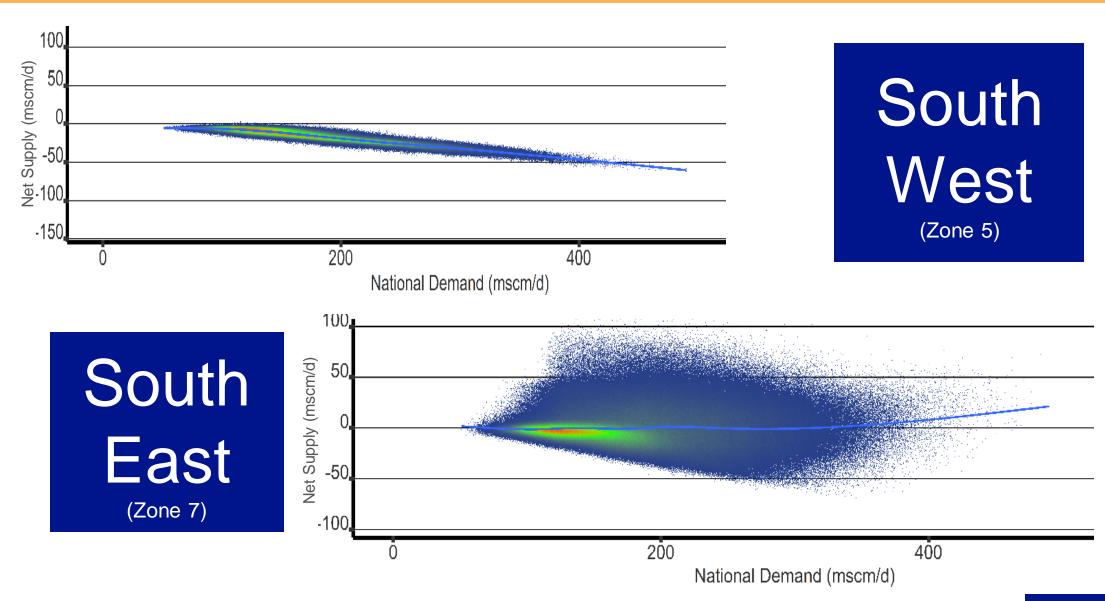
Please rank the zones you would like us to prioritise?

- Scotland and The North (Entry)
- Scotland and The North (Exit)
- North West (Entry)
- North West (Exit)
- North East (Entry)
- North East (Exit)
- South Wales (Entry)
- South Wales (Exit)
- South East (Entry)
- South East (Exit)
- East Midlands Inc. Bacton, (Exit)
- South West (Exit)

Interzonal flows



Interzonal flows

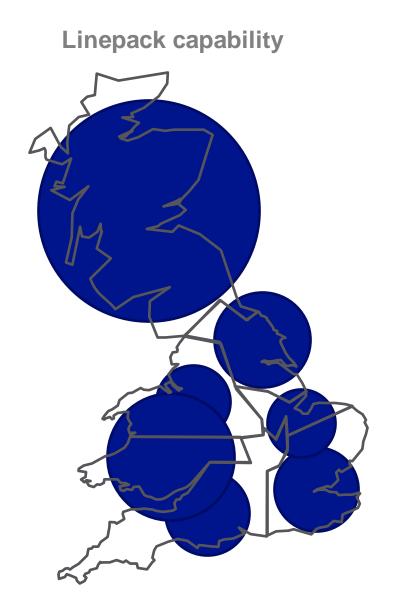


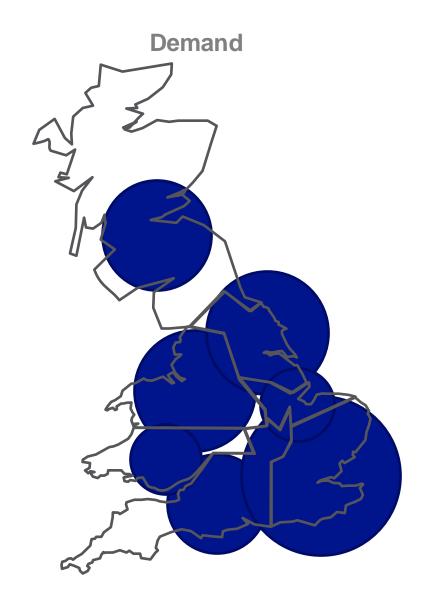
Quick survey - results

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Linepack management



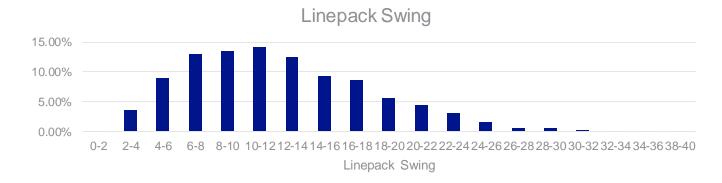


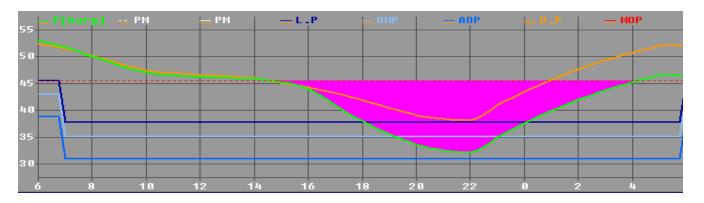
Linepack management

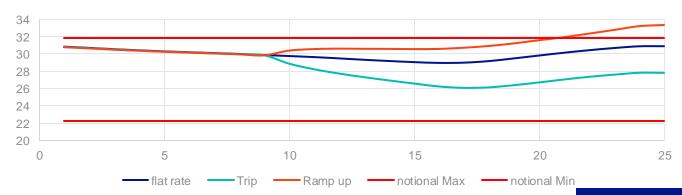
Linepack Swings

Asset Failure

Supply / Demand Volatility







Q&A



Thank you for joining us today

Keynote speech	Complete	Watch again
Future of Gas	Complete	Watch again
Innovation – broadening the horizon	Complete	Watch again
Gas Market Plan	Complete	Watch again
Transitioning to a hydrogen backbone	Complete	Watch again
Managing methane emissions	Complete	Watch again
Supporting regional hydrogen transitions	Complete	Watch again
Understanding the skills needed for a net zero world	Complete	Watch again
Digital Strategy and Information Provision	Complete	Watch again
Operating the network	Complete	Watch again
Gas Emergency Frameworks Overview	Complete	Watch again
FutureGrid 2021 Progress report	Complete	Watch again
Annual Network Capability Assessment Report	Complete	

What next?



You will receive the recording and material from today's session

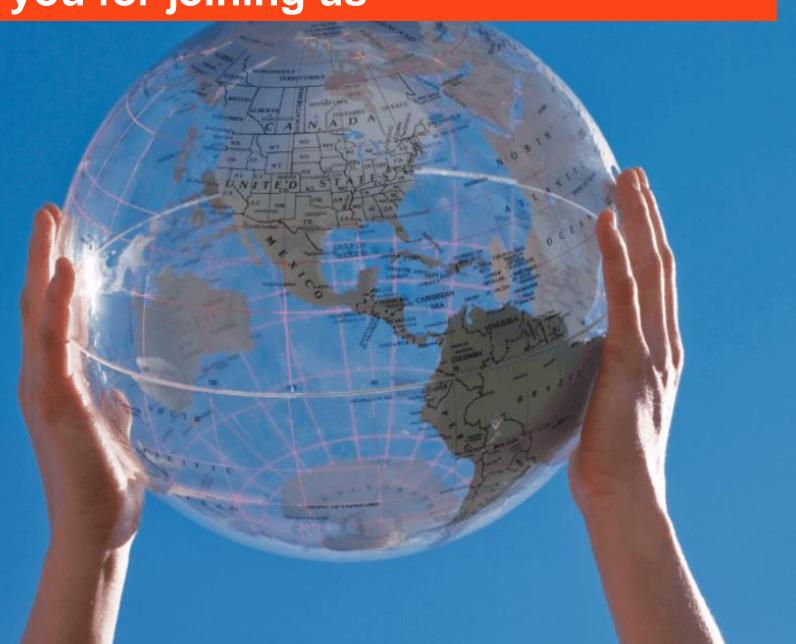


If you have any further questions or would like to discuss anything specific please get in touch with nera.lenden@nationalgrid.com



Feedback is important to us, therefore if you have not already taken part, we would like to put you forward for a survey

Thank you for joining us



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