

Gas
Transmission

Shaping the South East Gas Transmission Network

20th February 2019

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Who are we?



Jenny Phillips

Gas System Operator
RIIO2 Manager



Jenny Pemberton

Stakeholder Engagement
Manager

Logistics



Should last for approximately 40 min



Polling via Webex



Your questions are welcomed throughout via chat function



All callers will be placed on mute

Agenda for today

01 – Who we are and what we do

02 – Stakeholder Priorities

03 – How we're regulated - RIIO

04 – Why we're talking to you

06 – How to get your voice heard

Quick Poll – Getting to know you

1. Please tell us your name

2. Which of the following best describes you / your organisation?

3. On a scale of A to E, where A is know nothing and E is know a great deal, how much would you say you know about National Grid Gas Transmission's operational activities?

- A. Know nothing
- B.
- C.
- D.
- E. Know a great deal

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Who we are and what we do

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National Grid Gas Transmission – the network

**Our
role**

To connect millions of people to the energy they use safely, reliably and efficiently

**We
own &
operate**

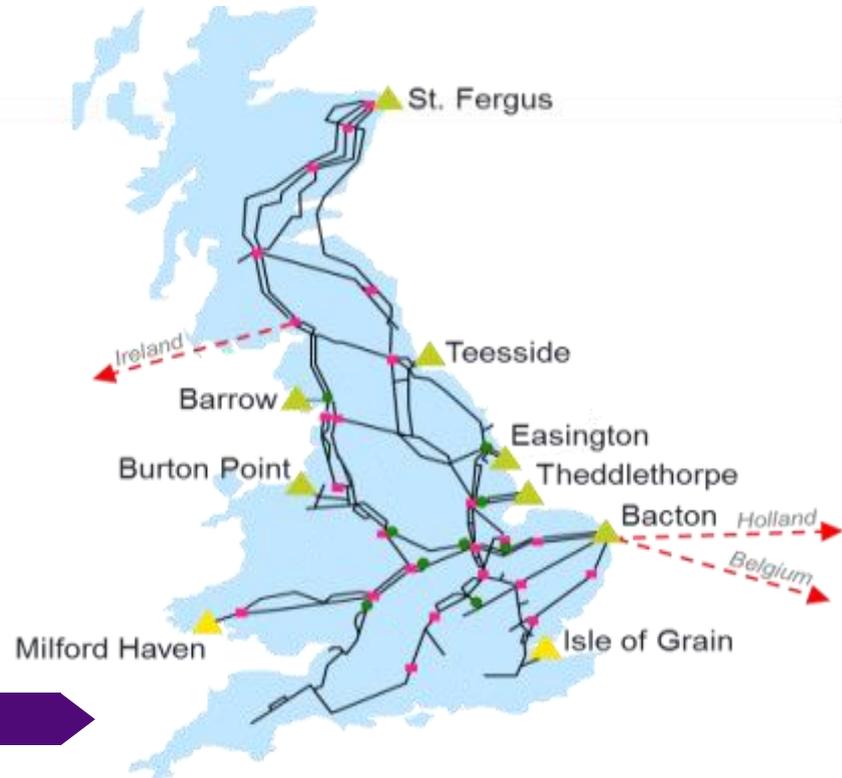
7,660km of high pressure pipelines, 24 compressor stations and over 600 above ground installations

**We
transport**

Over 3 times the energy provided by electricity each year

810 TWh 2017: Total gas demand

297 TWh 2017: Total electricity demand



National Grid Gas Transmission - TO/SO

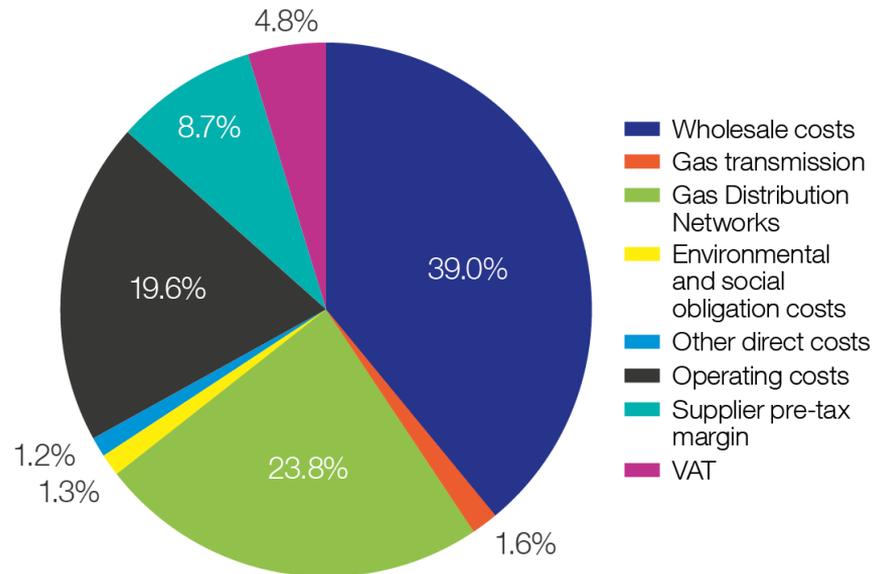
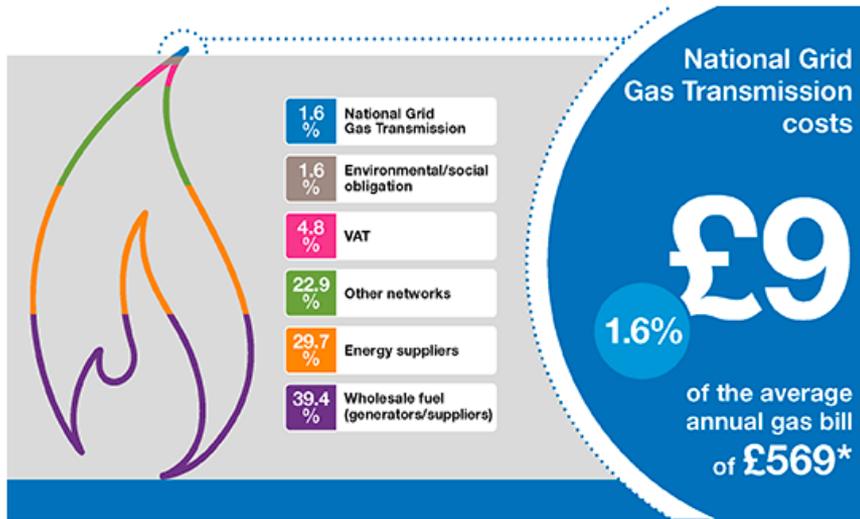


Transmission Owner (TO)
Builds, maintains and owns assets



System Operator (SO)
Real-time operation of the network

Our impact on a domestic consumer bill



We also have the potential to influence other aspects of the bill through the services we deliver

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Our Consumer and Stakeholder Priorities



Gas Transmission Stakeholder Priorities

Industrial and Domestic consumer priorities ...

I want an affordable energy bill

I want to use energy as and when I want

I want you to minimise disruption to my life

...are delivered through our stakeholder priorities...

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

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

I want to connect to the Transmission System

I want the gas system to be safe

I want you to protect the Transmission system from cyber and external threats

I want you to care for communities and the environment

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

I want you to be efficient and affordable

Quick poll

Do these priorities reflect your needs of the gas transmission system?

Yes

Somewhat

No

Please explain your answer

Quick Poll...

Please rank these priorities in order of importance to you and your business:

A

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

B

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

C

I want to connect to the Transmission system

D

I want the gas system to be safe

I want you to protect the Transmission system from cyber and external threats

E

I want you to leave a positive impact on our communities and the environment

F

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

G

I want you to be efficient and affordable

H

Gas System
Operator

RIIO Framework

What does it mean?

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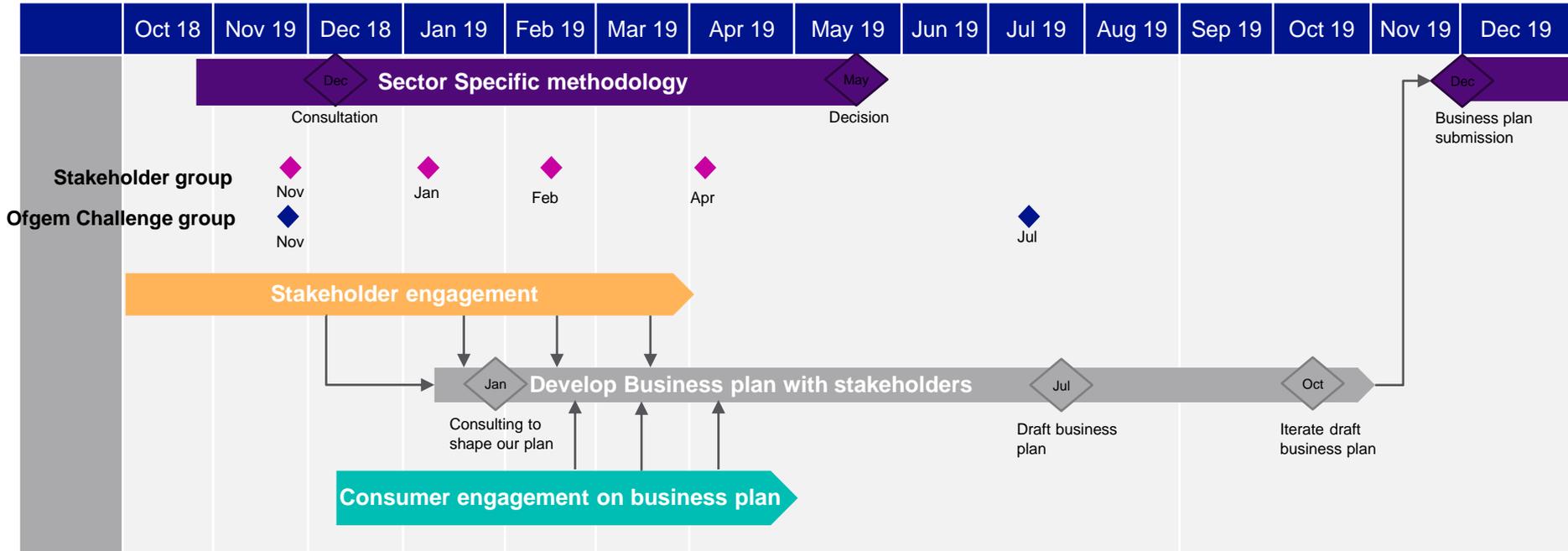
What is RIIO?



Constructive Engagement



Timeline – Business plan consultation



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Why are we
talking to you?

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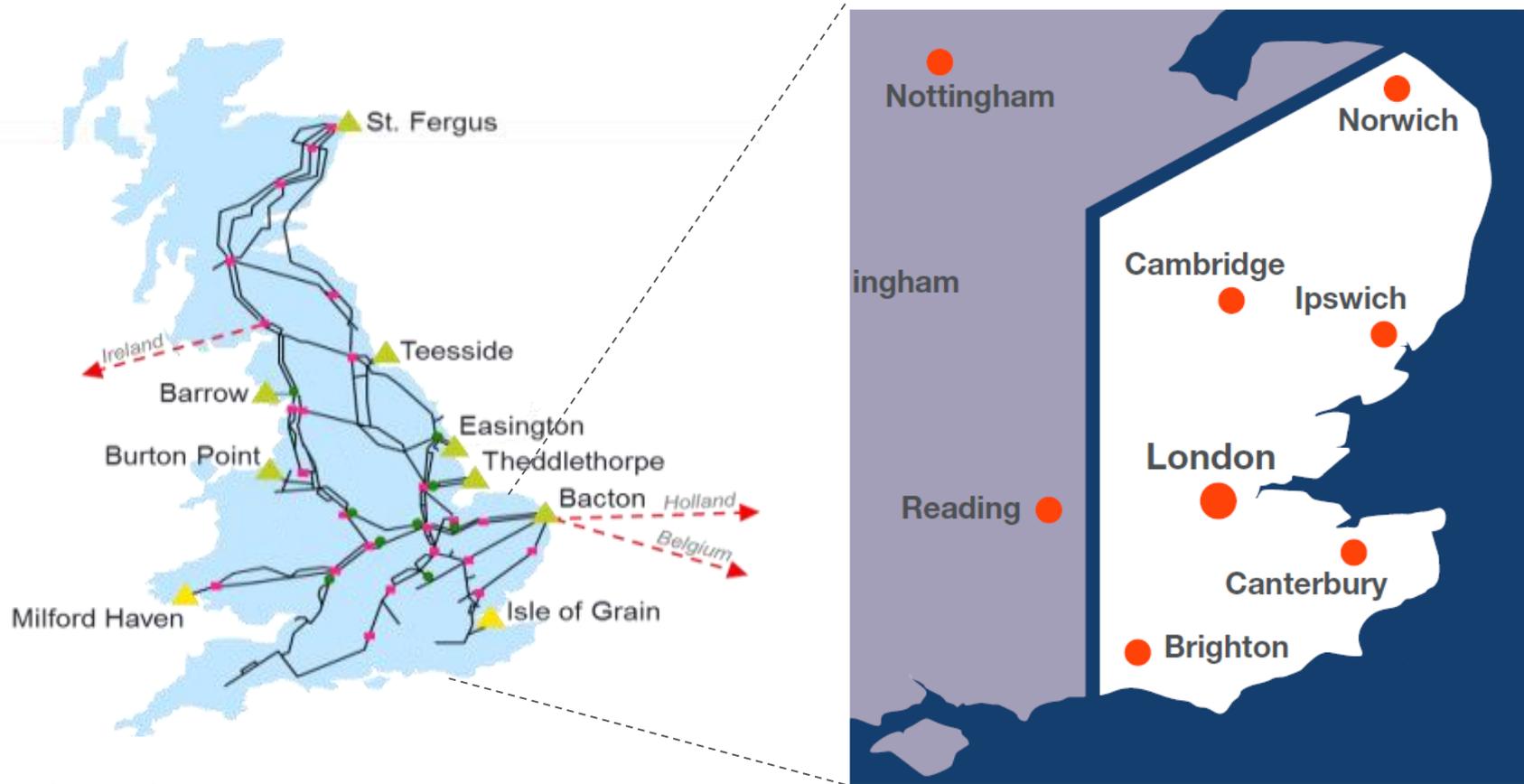


The Energy Landscape is changing...

- There is uncertainty around the direction of UK energy decarbonisation
- How we all use energy is changing– electricity, transport, heat
- We see our customers using our network differently
- The equipment used to run the network is getting old
- Environmental legislation means a significant amount of that equipment will be unable to be used in 2030



National Grid Gas Transmission – the network



Some stats...



8 compressors



7 will be non-compliant by 2030

2 out of 8 UK gas terminals



~3 million households



~ 700km pipeline

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7 power stations

It's critical we understand...

- Your views on the future of energy for the South East
- Your needs from our network now and into the future
- Impacts of not being able to meet those needs
- Implications for local communities
- Your views on potential options



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We need
you...

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We need your insights...

- To shape our future strategy
- To inform our investment plans

Which will support ...

- Your business strategies
- Future growth
- Local energy strategies
- Decarbonisation of energy



How to get your voice heard

1. We are hosting this webinar to introduce the problem and share our plans
2. We will bring interested parties together on 7th March to:
 - Understand views on the South East energy landscape
 - Share options
 - Gather insights on impacts and preferences
3. We will report back our findings via webinar



**7th March
Workshop
London**

**Early April
Feedback
webinar**

Quick poll

How would you like to be involved?

(Please select all that apply)

Shaping the
South East
Network
Workshop

Follow up
Webinar

1- 1 to discuss
individual
needs and
thoughts

Other

If other, please specify

QUESTIONS





Thank You

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