

### Who are we?



Tony Nixon

Head of Gas

Transmission Regulation



Jenny Pemberton
Stakeholder Engagement
Manager

## Logistics

Should last for approximately an hour Polling via webex Your questions are welcomed throughout via chat function All callers will be placed on mute

## Agenda for today



## **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
  - В.
  - C.
  - D.
  - E. Know a great deal

Gas Transmission

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

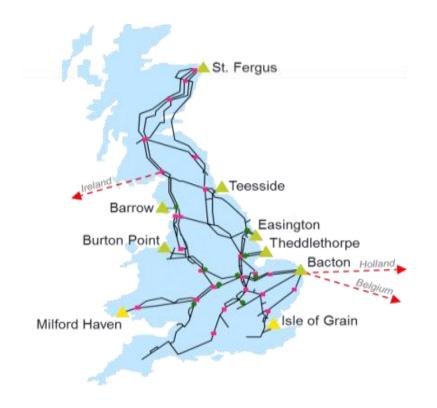
Over 3 times the energy provided by electricity each year

**810**TWh

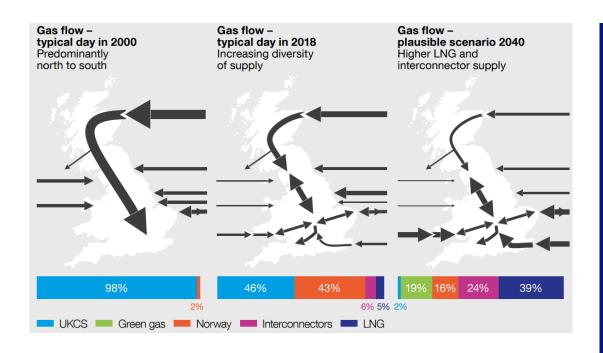
2017: Total gas demand

**297** TWh

2017: Total electricity demand



### Changing gas flow and our planning assumptions



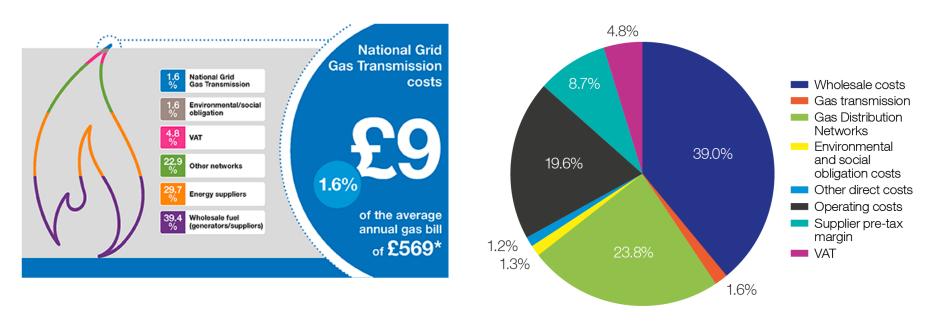
### **Initial planning assumptions**

GT Network – future: Most of our stakeholders tell us that there is a long-term future for gas and the GT Network to at least 2045. However, there is uncertainty about how customers will use the system in the future.

GT Network – value to society: For example, supporting decarbonisation by flexing with gas-fired power stations to balance intermittent renewables. We consider the wider impact on society in our plans and we are supporting research in this area.

Keeping options open: The network is playing an important role in facilitating decarbonisation. We should maintain a GT Network, for minimal cost, which keeps our options open because the future for decarbonisation is uncertain.

### 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



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### **Gas Transmission Stakeholder Priorities**



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

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# Consultation overview



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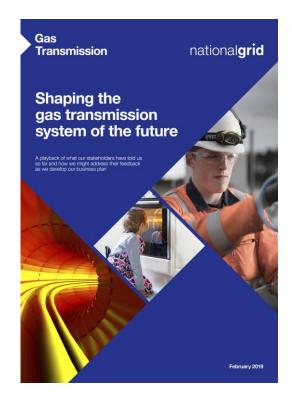
### **Playback Consultation**

A playback of stakeholder views to support our business plan activities between now and the first business plan draft in July 2019.

- Playback what we have heard through stakeholder engagement so far and signpost where stakeholder input has and will inform our plan.
- Opportunity for stakeholders to provide views on how all topics combine together as a whole.
- Show how what we have heard translates into broad financial ranges for RIIO-2 TOTEX signalling key drivers.

### Our Goal:

To develop a truly stakeholder-led business plan.



### Playback consultation

### **Structure Executive Summary** Context Stakeholder Engagement Communities & Gas on/off **External Threats** Environment Information Whole Connect Safety System Provision Efficient & Affordable Glossary **Assumptions**

### Content

- What is this priority about?
- What our stakeholders tell us
- Our activities & current performance
- Our direction of travel
- What it could cost
- Consultation Question

## **Quick poll**

Have you read the playback document?

Yes

Some of it

No

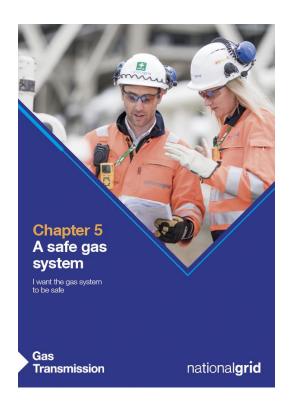
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Key Stakeholder Priorities



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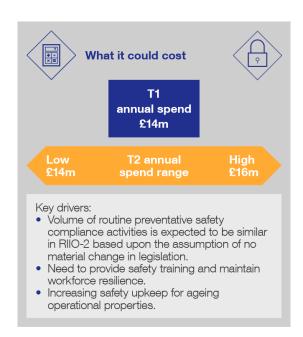
### I want the gas system to be safe



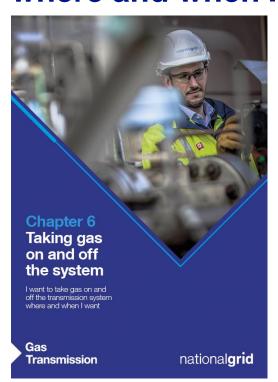
Safety will always be our number one priority. Any major release of gas could pose a threat to life. By law we must manage our risks down to a level 'as low as reasonably practical'.

### **Consultation Question**

 What are your views on our direction of travel for safety?.



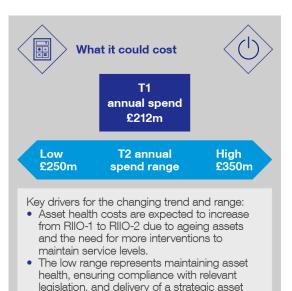
## I want to take gas on and off the transmission system where and when I want



You've told us that Great Britain needs an efficient gas network that has the right capabilities for the future.

### **Consultation Question**

 An increased work programme to maintain the health of, and deliver the right capability from, the transmission network may be beneficial to keeping overall gas costs down for consumers. What are your views on this statement?

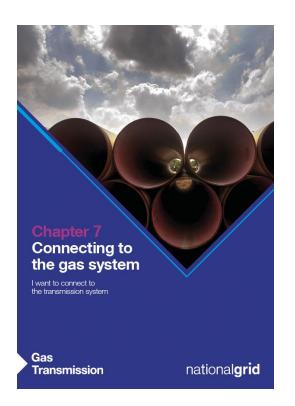


replacement approach for the Bacton site.

The high range includes higher asset health

costs to increase asset reliability by 10%.

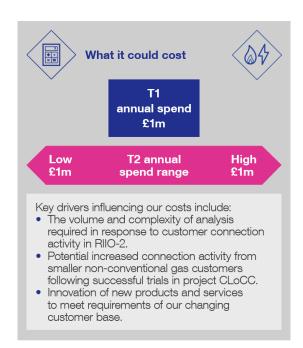
### I want to connect to the transmission system



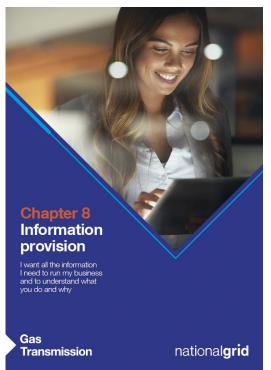
Managing connections to the gas national transmission system is an important role. It's essential for the competitive wholesale energy markets to work effectively.

### **Consultation Question**

 What views do you have on how we could further improve our connections service?



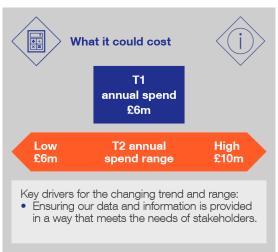
## I want all the information I need to run my business, and to understand what you do and why



Our information and insights provide value for consumers by ensuring that the gas market runs smoothly. It allows market participants to plan, prepare and operate effectively.

#### **Consultation Question**

 What information could we provide that would increase benefits for our customers and consumers?



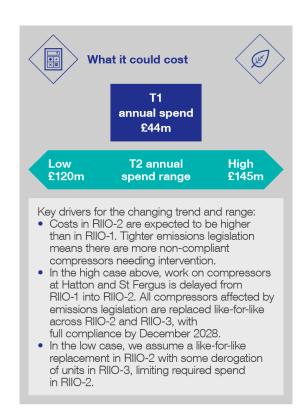
### I want you to care for the environment and communities



National Grid has set ambitious group-wide targets for environmental sustainability. Such as an 80% reduction in our greenhouse gas emissions (from a 1990 baseline) by 2050.

### **Consultation Question**

 To what extent should we be more proactive in reducing our overall impact on the environment?



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



We support an integrated approach to creating the energy system of the future; optimising the way that gas, electricity, transmission and distribution work together.

### **Consultation Question**

 Where can we add most value through the RIIO-2 period to facilitate integrated energy systems of the future?



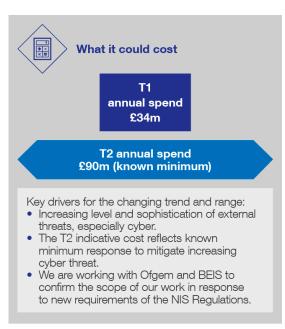
## I want you to protect the transmission system from cyber and external threats



Protecting the gas transmission system is vital. We operate Critical National Infrastructure classing us as an Operator of Essential Services.

#### **Consultation Question**

 The detail of our cyber and physical security plans will be developed confidentially with Ofgem and the Government. How would you like to be kept updated?



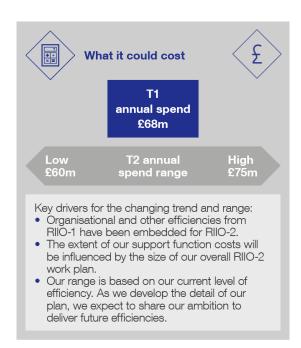
### I want you to be efficient and affordable



One of our key priorities is keeping energy affordable. We strive to keep our impact on domestic and industrial consumer bills low.

#### **Consultation Questions**

 What are your views on the methods we have proposed to demonstrate efficiency and value for money in our plan?



## **Quick poll**

Do you have any views on our style of presentation of the business plan information (i.e. via the eight stakeholder priorities)?

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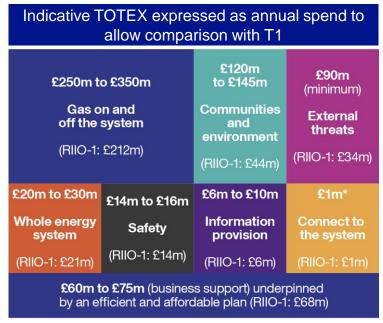
## Summary



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## **Summary**

To date discussion has been focused on outputs and preferences, as we move into 2019 we will transition to locking down preferences and discussing costs



Working with stakeholders to determine the type of network they need

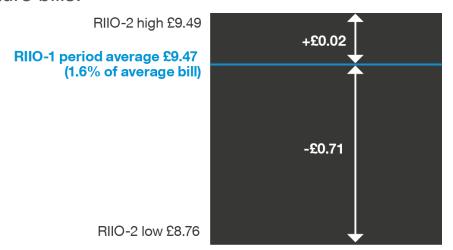
- Defining the network capability needed to deliver for consumers
- Agree the volume of maintenance of our ageing asset base to ensure reliability for consumers
- Timing implications of compressor work to deliver on our environmental commitments
- Increasing level and sophistication of external threats, especially cyber
- Our role in facilitation of the gas industry change plan

2017/18 price base

\*Approximate values

### Impact on bill

As we develop our business plan, we will think hard about the potential impact on current and future bills.



In this illustration we have not considered other factors that can have an impact on consumer bills such as cost of capital for RIIO-2 and future inflation. We calculate our consumer bill impact using Ofgem's consumer bill methodology.

Base revenue is increasing from T1 into T2, giving a higher Kwh unit cost in T2.

However household demand is set constant across T2 and at a level lower than the average across T1; which gives the lower bills across T2.



### There are many ways to get your voice heard

### On the entire document:

- Via survey link: https://nationalgrid.eu.qualtrics.com/jfe/f orm/SV\_1O277aJUe4jMiMJ
- Add your comments to the pdf and email it to <u>Jennifer.Pemberton@nationalgrid.com</u>
- 3. Email any comments directly to Jennifer.Pemberton@nationalgrid.com

Closing date: 31st March

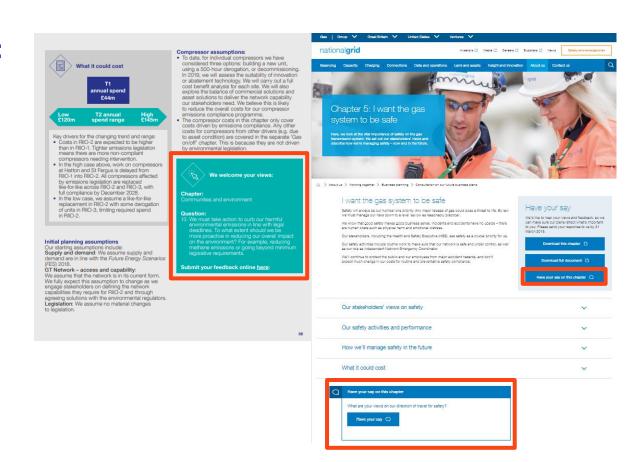


### There are many ways to get your voice heard

### On a specific chapter:

- 1. Via the chapter survey on the website
- 2. Via the chapter survey link within the pdf

### **Closing date: 31st March**



## **Quick poll**

How would you like to engage with us going forward as we build our business plan for the RIIO-2 period?

**Webinars** 

Through existing forums

Targeted Workshops

Newsletter

1-1's

Surveys

Other – please specify

### Heads up

- Ofgem sector specific consultation closes Thu 14<sup>th</sup> March: <a href="https://www.ofgem.gov.uk/publications-and-updates/riio-2-sector-specific-methodology-consultation">https://www.ofgem.gov.uk/publications-and-updates/riio-2-sector-specific-methodology-consultation</a>
- Network Capability Webinar
  - Tue 19<sup>th</sup> Feb

To register for these please contact <u>Jennifer.Pemberton@Nationalgrid.com</u>

- Shaping the South East Network
  - Introductory Webinar: Wed 20<sup>th</sup> Feb
  - Workshop: Thu 7<sup>th</sup> March
- Shaping the Bacton Strategy
  - Detailed costings webinar: Thu 28<sup>th</sup> Mar

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RIIO Framework

What does it mean?

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### What is RIIO?



### **Constructive Engagement**

Stakeholder led plans

Affordability

Stakeholder & Consumer engagement

- 1. Establish Priorities
- 2. Build business plan
- 3. Test holistic business plan



Stakeholder Group

Seek to agree what companies should deliver (outputs, expenditure, incentives, uncertainty)

Stakeholder group report areas of agreement

<u>Ofgem</u>

Potential 'public hearings'

(for areas lacking agreement)



RIIO2 Challenge Group

Seek to agree the affordability of companies plans (sustainability, affordability & vulnerable consumers)

Stakeholder group report areas of agreement Final decision

(emphasis of scrutiny on areas still lacking agreement)

2017/2018

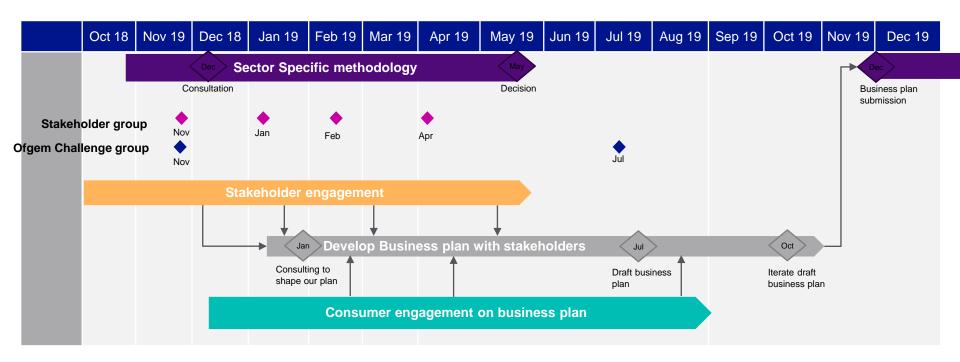
2019

2020

## **Constructive Engagement**

	April 2018	January 2019
Establish priorities of consumers and stakeholders	Build plans by priority with consumers and stakeholders	
<ul> <li>Review and consolidate stakeholder and consumer views gathered to date</li> <li>Establish best practice approach to further engagement</li> <li>Test and update stakeholder and consumer priorities</li> </ul>	<ul> <li>Gather qualitative and quantitative insight on consumer and stakeholder needs for each priority</li> <li>Triangulate stakeholder preferences and translate into plans</li> </ul>	<ul> <li>Iterate a holistic business plan with consumers and stakeholders</li> <li>Bring together emerging plans for each priority into a holistic business plan</li> <li>Test insights drawn from engagement and iterate draft plans with consumers and stakeholders</li> <li>Detailed scrutiny of business plans through independent Stakeholder Group</li> </ul>
	Challenge of engagement approach     by independent Stakeholder Group	

### Timeline – Business plan consultation



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