# Our sustainable business strategy

Welcome to our webinar on our RIIO-T2 Environmental Action Plan

06 November 2019

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## Welcome to our webinar on our RIIO-T2 Environmental Action Plan

- Thank you for joining us! You will be joined in listen only mode.
- Please do not unmute yourself or turn your camera on.
- Please note we will be recording this webinar.
- The recording, slides and Q&A will be made available on our website.

#### Your hosts:



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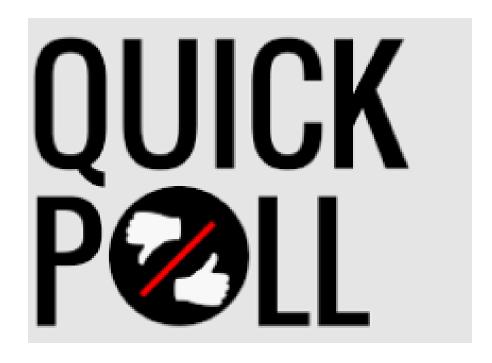


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#### **Agenda**

- 1 RIIO-T2 overview and business planning
- **2** Electricity Transmission's environmental performance
- What are we proposing: our sustainable business strategy
- Should the environment be incentivised in RIIOT2?
- 5 Discussion and next steps

#### **Quick Poll #1**



## What is the reason for your interest today?

I'm joining today for:

- A) sales opportunities
- B) interest in environmental progression
- C) obtain ideas for my business
- D) see where my electricity bill money goes
- E) other

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## RIIO-T2 overview and business planning



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#### **RIIO-T2: Our regulated transmission business**

We're currently preparing our next business planfor the RIIO-T2 period 2021-2026.

#### Our planning involves:

- Setting the standards of service we provide
- The investment we make
- How we'll innovate for the future
- The performance outcomes upon which we're measured

We're developing our next business plan against a background of rapid change in the energy industry.

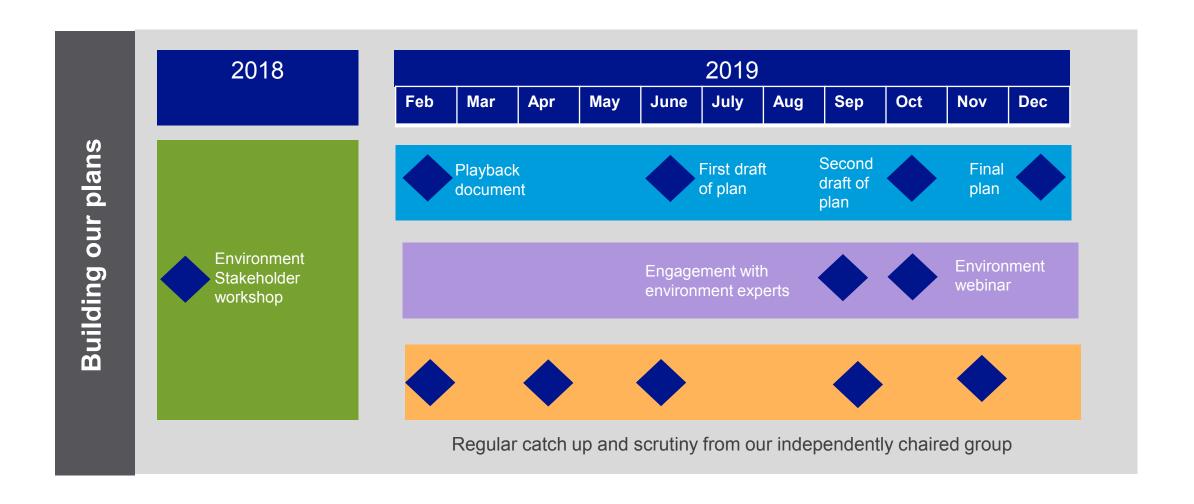
Ofgem have set out that companies should embed consideration for the three impact areas below into their RIIO-T2 business plans in form of an **Environmental Action plan**:

- Decarbonising the energy networks with a focus on business carbon footprint and embedded carbon in networks
- Reducing networks other environmental impact i.e. pollution to local environment; resource waste; biodiversity loss; and other adverse local effects that are specific to each sector
- Supporting the transition to an environmentally sustainable low-carbon energy system

#### **Building our plans around your priorities**

#### Consumers want Consumer and To use energy when An affordable energy stakeholder A sustainable energy priorities; bill they want system established in 2017 Your priorities Stakeholders want us to and tested continually Be transparent Provide a safe Protect the Care for and reliable network from communities network external and the A sustainable threats environment energy system and caring for the Be innovative Provide value Make it easy Enable the environment is a for money to connect to energy very important transition and use the aspect of our plan network

#### Our stakeholder engagement plan



#### Here is what stakeholders have told us

#### Climate change/ decarbonisation

- "60% of our consumers want us to achieve net zero before 2050"
- "We should look to minimise our carbon emissions"
- "We should be encourage to go beyond our legal obligations, even if that means increasing costs"
- "We should look to use carbon offsetting to go carbon neutral for construction"
- "We need to continue to focus on SF6 leakage"

### Resources and waste management

- "Softer targets should be aligned to an industry standard e.g. ISO 20400 for procurement and new ISO 8001 for circular economy"
- "Aim to achieve zero waste to landfill with increasing recycling for construction "
- Resource targets should be SMART and measurable (e.g. % up or down)

### Caring for the natural environment

- "We should focus on minimising the local impact of our construction activities"
- "The current Visual Impact Provision scheme should continue and potentially be expanded in RIIO2"
- "More focus is needed on biodiversity"

## Organisational leadership

"We should consider whole life costs and whole life carbon impact when making investment decisions"

#### The external landscape – challenges to Sustainable Development

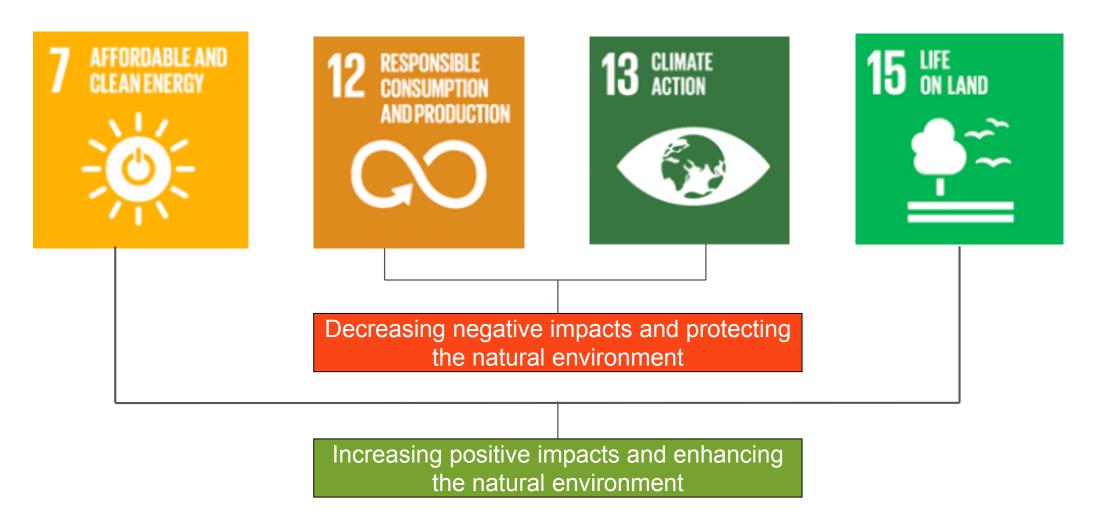
The main **challenges** to **sustainable development** which are global in character include:

- poverty and exclusion,
- unemployment,
- climate change,
- conflict and humanitarian aid,
- building peaceful and inclusive societies,
- building strong institutions of governance, and
- supporting the rule of law.



The **2030 Agenda for Sustainable Development** adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries and business.

## **Environmental issues most material to National Grid Electricity Transmission**



#### Why are these issues most material to us?

#### **Climate crisis**

- The Intergovernmental Panel on Climate Change (IPCC) published a special report in October 2018 which found that limiting global warming to 1.5C is possible, but we would need to reach 'net zero' by around 2050.
- In 2019 the UK Parliament declared a climate emergency and became the first major economy to pass legally biding legislation to achieve net-zero by 2050
- While the net zero target has widespread support, some argue it should be earlier

#### **Ecological crisis**

- A green future a 25 Year Environmental Plan is a national plan of action for the UK to use land more sustainably and create new habitats for wildlife
- 2019 State of Nature Report –documents how human impacts are driving sweeping changes in wildlife in the UK. There's been an incredible loss of nature in the UK since the 1970s
- Delivering net gain Net gain is an approach to development that aims to leave the natural environment in a measurably better state than beforehand

#### Resource crisis

- Waste strategy as part of the 25 Year Environmental plan – there is a need to use resources more wisely and radically reduce the waste we generate.
- UK's growing waste problem waste is chocking our oceans and despoiling our landscapes as well as contributing to greenhouse gas emissions and scarring habitats.
- Reliance on single use plastic over the lifetime of the 25 year environmental plan, the UK aims to eliminate all avoidable plastic waste.

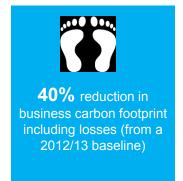
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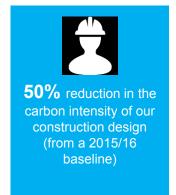
**Electricity Transmission environmental performance** 



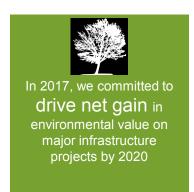
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#### **Current performance**

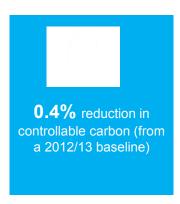






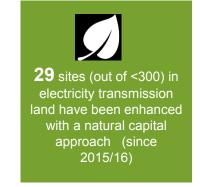














\*Performance is up to 2018/19

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Our sustainable business strategy



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#### What we will deliver by 2025/26?

We have set ourselves four key areas of focus:



Our climate commitment for greenhouse gas reduction

We aim to reduce our 'controllable carbon footprint' by 34% by 2026



Making the most out of our assets

We will use circular economy principles to make the most out of natural resources and our assets



Caring for the natural environment

We will protect and give material consideration to the value of nature



Leadership for change

We will act as leaders to advance environmental good practice

#### **Our climate commitment**

#### Challenges

Leading the way toward a 1.5C future - in 2018 the Intergovernmental Panel on Climate Change (IPCC) emphasized the urgent need for concerted and decisive action to avoid catastrophic consequences beyond a 1.5C warming

**Reaching net zero emissions** – UK is the first major economy to pass net zero emissions by 2050 by law

**Low-carbon transport** - Transport is now by far the biggest UK emitting sector

**Electricity from 100% renewable energy -** Most sources of renewable energy result in little to no emissions

#### Our actions by 2026

#### We will:

- ❖ Aim to reduce our 'controllable' greenhouse gas emissions by 34% by 2026 and 50% by 2030 (from a 2018/19 baseline) compatible with our NET-ZERO pathway'
- Purchase 100% of electricity we use from renewables
- Replace 60% of our fleet with Alternative Fuel Vehicles (AFVs)
- Deliver carbon neutral construction
- ❖ Have 75% of our top 250 suppliers set an emission reduction target

#### **Quick Poll #2**



## What do you think of our climate change targets?

- A) These targets are too ambitious
- B) These targets seem about right
- C) They are not ambitious enough
- D) I don't know

#### Making the most out of our assets

#### Challenges

**Earth's limited resources** - Humanity's demand for ecological resources and services is exceeding what the Earth can regenerate. This is liquidating the sticks of ecological resources and accumulating waste, primarily carbon dioxide in the atmosphere.

**Zero waste as a global movement -** The 5 'Rs' of zero waste : Refuse, Reduce, Reuse, Repurpose and Recycle

The rise of the circular economy - We all need to seek an alternative to our current 'take, make, dispose' economic model, to one where resources are put back in economic use

**Preserving precious resources** – so that future generations have a place to live and thrive

#### Our actions by 2026

#### We will:

- Pilot and implement circular economy principles by aligning our business to industry standards e.g. BS 8001 – circular economy standard
- Align our Procurement process to ISO20400 Sustainable Sourcing Standard
- On our construction projects, we will:
  - Achieve zero waste to landfill
  - Reduce the waste intensity year on year based on a 2019/20 baseline
  - Work with contractors to increase recycling and composting rates year on year (from a 2018/19 baseline)
- On our <u>operations sites</u>, we will improve our recycling rates from 45% in 2018/19 to 60%
- On our main offices, we will:
  - Reduce the waste we create by reducing waste tonnage by 20% from a 2018/19 baseline
  - Improve the recycling rates, and recycle 60% of our waste
  - Achieve a 20% reduction target on our water use against a 2019/20 target

#### **Quick Poll #3**



## What do you think of our resources targets?

- A) These targets are too ambitious
- B) These targets seem about right
- C) They are not ambitious enough
- D) I don't know

#### Caring for the natural environment

#### Challenges

#### **Our actions**

Restoring and enhancing nature and green spaces - nature is in decline. For too long, we haven't been able to reverse this downward trend and now urgent action is needed to drive necessary change

**State of Nature report 2019 –** UK's wildlife loss continues unabated. 41% of UK species in decline since 1970. We need to stop this loss by creating more homes for wildlife.

**Delivering Biodiversity Net Gain** – Protecting remaining areas with high biodiversity value is not sufficient to halt the significant decline in biodiversity in the UK.

#### We will:

- Increase environmental value of non-operational land by 10% against a Natural Capital/Biodiversity baseline (2% per annum)
- Deliver Net Gain by at least 10% or greater in environmental value (including biodiversity) on all construction projects (including those delivered by third parties building on our land)

#### **Quick Poll #4**



## What do you think of our natural environment targets?

- A) These targets are too ambitious
- B) These targets seem about right
- C) They are not ambitious enough
- D) I don't know

## Leadership for change Challenges

**Business leadership in sustainable development -** is central to developing and maintaining the king of markets and economies that the environment and society need to thrive.

The role of business and sustainability – creating long term value by given proper consideration to the ecological, social and economic environment

#### **Our actions**

#### We will:

- Have senior management accountability for environmental performance
- Drive forward industry in areas where we are leading by sharing our expertise, data and tools. We will work collaboratively with other Transmission Owners to deliver this.
- Be an environmental leader for the energy industry by actively contributing and shaping the discussions in external working groups
- Educate the public more on environmental issues through our education centers, community events and the role of energy and its impact.

#### **Quick Poll #5**



## What do you think of our leadership targets?

- A) These targets are too ambitious
- B) These targets seem about right
- C) They are not ambitious enough
- D) I don't know

#### Societal benefit

Against the backdrop of environmental challenges, we are conscious that we don't have all the answers yet. There is still a way to go. This is the latest step on our journey for chartering a course for how we, as National Grid Electricity Transmission, will make our contribution to advancing net-zero. But by adopting this plan, we aim to:



Ensure access to affordable, reliable, and sustainable energy



Ensure
sustainable
consumption
and production
patterns and
minimize waste



Take urgent action to combat climate change and its impacts



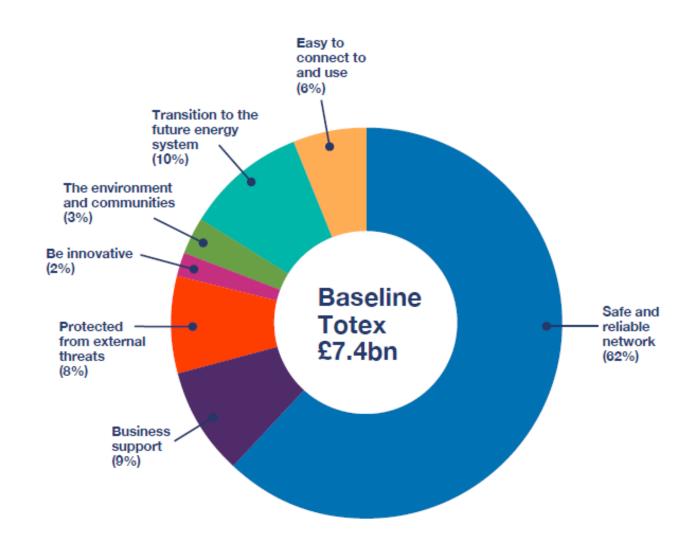
Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss

#### Ensuring a just transition for a greener, fairer economy

Affordability is a important part of our business plan. We are focused on delivering our commitments in way that minimises cost impact or delivers cost savings (e.g. low carbon construction).

#### Reducing carbon, reduces costs

We have challenged ourselves to make sure our costs are as low as they can be, by embedding the benefits of successful past innovations and making stretching efficiency improvement commitments.



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Should the environment be incentivized during RIIO-T2?



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#### An environmental scorecard ODI

Our stakeholders want us to improve our environmental performance. We are considering an Output Delivery Incentive (ODI) to encourage us to improve the environment beyond the already stretching commitments in our environmental action plan.



#### Option 1:

A "Scorecard" ODI to encourage us to deliver and outperform seven of the targets in our environmental action plan

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#### Option 2:

Three environmental ODIs covering:

- 1. Controllable carbon footprint (excluding SF6)
- 2. The carbon intensity of construction
- 3. Natural environmental improvements

Output delivery incentives (ODIs) Output delivery incentives (ODIs) are incentives for energy network companies to deliver their outputs.

ODIs involve reputational or financial penalties for not delivering an output. They also involve reputational or financial rewards for outperforming outputs.

#### **Quick Poll #6**



## What do you think of us having an environmental ODI?

- A) I agree There should be an incentive to encourage outperformance of the plan
- B) I don't agree There shouldn't be an incentive outperformance on environment shouldn't be rewarded
- C) I don't know

#### **Question for our stakeholders**

We want to be really open and transparent.

Do you have any specific requirements for our reporting on our Environmental Action Plan?



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### **Next steps**



#### **Next Steps**



We will take account of your feedback on our Environmental Action Plan targets in our final business plan on 9 December 2019.

### **Answering your questions**

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