

Current performance: environment

20%
**Reduction in
business
carbon
footprint**

In **ED1** compared
to 2012/13



44.8km
**Of fluid filled
cables
removed**

Decommissioned
during **ED1** so far



11%
**Reduction in
operational
vehicle
emissions**

2019/20 compared
to 2018/19



23%
**Reduction in
waste**

Tonnage in
2019/20 compared
to 2018/19



26%
**Reduction in
tonnage sent
to landfill**

Tonnage in
2019/20 compared
to 2018/19



**EV pool cars
available at
all depots**

Part of our
transition to electric
fleet vehicles



Playback and draft outputs

Environment & Sustainability

What we heard from you:

OUR BUSINESS CARBON FOOTPRINT

- WPD should lead by example and strive for a **more ambitious net zero target than 2050** (government's target).
- Reducing the emissions from WPD's fleet, including **adoption of electric vehicles** should be a key priority
- WPD should commit to increase the low-carbon energy utilised at their properties and **ensure all buildings are carbon neutral** ahead of government targets

And so the outputs we are proposing:

Reduce internal Business Carbon Footprint to be Net Zero by 2043

Adopt EV technology for 88% of our transport fleet by the end of 2028; resulting in 100% replacement of WPD's van fleet in RIIO-ED2, with the exception of larger specialist vehicles

Install renewable local generation at all offices and depots in order to power our depots and offices

Playback and draft outputs

Environment & Sustainability

What we heard from you:

OPERATIONAL IMPACT

- Environment and sustainability must be core priorities. We need to **improve the environmental impact of our operations**
- **Reduce harmful leaks** from WPD's equipment in particular - stakeholders want to see substantial commitments, surpassing RIIO-ED1 levels
 - The **control of gas leaks** is critical as the potential impact is catastrophic. The removal of SF6 is ideal.
 - Predict leaks wherever possible and **replace ageing infrastructure**, particularly oil-filled cables

And so the outputs we are proposing:

Reduce network leaks by fluid filled cable from ED1

Reduce SF6 Losses from that in ED1

Replace over 60km of the poorest performing Extra High Voltage Fluid Filled cables on our network

All PCB contaminated equipment will be removed from the WPD network by 2025

Playback and draft outputs

Environment & Sustainability

What we heard from you:

IMPACT OF OUR NETWORK

- **Underground cables** to reduce the environmental impact (including visual) of our assets and operations
- WPD should invest in newer and more efficient equipment to **reduce technical losses**
- Must address the amount of generated waste that is sent to landfill. WPD should go beyond current standards, consider all waste and **target of zero waste by 2030**
- **Consultation with experts** and local environmental intelligence should be completed to better understand the negative impact of our activities. Coordinating with local partners to maximise positive environmental impact

And so the outputs we are proposing:

- ▶ We will remove 34km of overhead lines in Areas of Outstanding Natural Beauty
- ▶ Further increase the smallest size of low voltage mains to 300mm², and increase our smallest pole mounted transformer size to 50kVA single phase to reduce technical losses
- ▶ Achieve zero waste to landfill
20% reduce tonnage of waste per £ annual turnover
- ▶ Ensure compliance with environmental legislation and work in partnership with the Environment Agency & Natural Resources Wales