

# Our progress to date



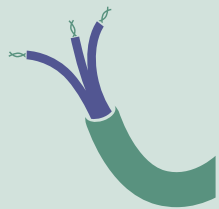
## Visual Amenity

- We're creating pioneering partnerships with environmental stakeholders to identify undergrounding schemes
- Pledging £7.6m in our business plan to remove 55km of overhead lines in National Parks and AONBs
- Managing 90,000km of overhead lines



## SF<sub>6</sub>

- We're achieving an annual SF<sub>6</sub> leakage of under 1%
- Committing to a SF<sub>6</sub> leakage reduction of 17% over RIIO
- Investing in infrared equipment that spots leaks early
- Actively exploring alternatives for SF<sub>6</sub>

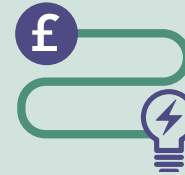


## Fluid Filled Cables

- We're instigating innovative methods for spotting leaks and monitoring cable fluid levels
- Repairing or replacing leaking cables quickly

### Since our baseline year (12/13) we have reduced;

- Total length of FFC in service by 140km or 16%
- Volume of oil in service (FFC) by 738,427 litres or 31%
- Volume of oil used to top up cables by 19,765 litres or 46%



## Losses

- We're designing research-backed strategy to measure and reduce network losses
- Working with partners to share best practice
- Adopting more efficient cable and transformer equipment
- Cutting losses by 25% in the last year when compared with 2012/13



## Carbon Footprint

- We're reducing our carbon footprint by 5% over the RIIO business plan period
- Reporting annually on our progress
- Reducing fleet emissions by using greener fuel alternatives
- Reducing energy use at offices and depots by 5% over RIIO
- Establishing BREEAM environmental endorsement for all new and modernised buildings



**WE'RE DESIGNING RESEARCH-BACKED STRATEGY TO MEASURE AND REDUCE NETWORK LOSSES**

# Our progress to date



## Environmental care

- We're managing and recycling waste effectively to avoid landfill disposal – with a 11% reduction (equal to over 1,600 tonnes of waste) since 2012/13
- Pledging a 5% annual reduction in waste to landfill for the final six years of RIIO. This follows a 20% per annum reduction over the first two years of the business plan
- Providing staff with a range of information to make them environmentally aware, including quarterly key performance indicators (KPIs)
- Adopting waste management (WAMITAB) competency testing for over 50 key staff
- Achieving the new ISO14001(2015) certification for environmental management systems across all business operations
- Supporting community groups whose activities promote environmental awareness and care
- Working with partners to study climate change and the impact of weather on our equipment and operations
- Enlisting experts to ensure protected wildlife habitats remain unaffected by our operational duties



## Innovation

Innovation is core to our business strategy. We always seek to find better ways of working. We have adopted many innovative ideas into day to day operations that improve the efficiency and effectiveness of the way we deliver our services to customers. Our track record of innovation and change spans from the implementation of good innovative ad-hoc ideas from staff all the way through to formal innovation projects.

The objectives of WPD's innovation are to:

- Develop new smart techniques that will accommodate increased load and generation at lower costs than conventional reinforcement.
- Improve performance against one or more of our goals of safety, customer service, reliability, the environment or cost effectiveness.
- Ensure solutions are compatible with the existing network
- Deliver solutions so that they become business as usual
- Provide value for money

The way that we approach innovation is fundamental to delivering these objectives efficiently.



**PLEDGING A 5% ANNUAL REDUCTION IN WASTE TO LANDFILL FOR THE FINAL SIX YEARS OF RIIO**