



2021/22

Regulatory Financial Performance Reporting

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WESTERN POWER 
DISTRIBUTION

Serving the Midlands, South West and Wales

Regulatory Financial Performance Reporting Contents

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Executive summary

We present the 2021/22 RFR templates and commentary for Western Power Distribution (WPD). This document contains information for the four Distribution Network Operators (DNOs) owned by WPD; WPD West Midlands (WMID), WPD East Midlands (EMID), WPD South Wales (SWALES) and WPD South West (SWEST).

WPD continues to promote transparency of performance and returns as a way of demonstrating the legitimacy of energy network returns. We hope this report provides clear and transparent reporting on WPD's financial and operational performance, including WPD's performance against incentives under the RIIO price control arrangements.

As a business that distributes energy, we face exciting challenges as the UK works towards a net zero carbon future. We deliver an essential public service and our focus on customer service has ensured that we have continued to drive great results for customers whilst adapting to the changing environment within which we operate.

Our 2021/22 performance highlights include:

- Continuing to beat Ofgem's targets for customer service in the Broad Measure of Customer Satisfaction;
- Achieving a Business Carbon Footprint (BCF) which is 35% lower than our RIIO-ED1 baseline performance in 2014/15, beating our own internal targets for RIIO-ED1 as a whole;
- In the context of a year that brought the worst storms the UK has seen in 30 years, delivering excellent network performance, beating our targets for both Customer Minutes Lost and Customer Interruptions;
- Continuing to see improvements in our safety record with the accident rate reducing to 0.62 accidents per 100 staff;
- Engaging with over 21,000 connection stakeholders in order to ensure continuous improvements in the service that we provide;
- Further developing our flexibility offerings, including successfully establishing an Energy Management Centre to be responsible for undertaking the commercial decisions associated with the utilisation of flexibility;
- Publishing a further two iterations of our RIIO-ED2 Business Plan; our third iteration being issued in July 2021 and our Final Business Plan being published in December 2021;
- Achieving 99.995% network availability;
- Providing support to 25,938 fuel poor customers to make annual savings of £14.6m; and
- Earning a RoRE of 8.9% for RIIO-ED1 to date;

...all in costing less than 28 pence per day to the WPD average domestic customer.

We recognise the importance of delivering on the promises we made within our RIIO-ED1 business plan and going beyond this by looking ahead to the next price control, delivering future network solutions in line with emerging customer demand. Whilst we evolve to deal with new challenges, we also recognise our obligation to look after the existing network and provide an efficient and reliable service for our customers. We therefore continue to deliver against our RIIO-ED1 investment plans.

In light of inflationary pressures and the significant above inflation real price effects that we have witnessed over the last year, WPD has worked hard to review our proposed activities and focussed on contract and supplier negotiations to mitigate these challenges whilst continuing to deliver our RIIO-ED1 commitments. At the close of 2021/22 our expenditure is 2% below our Totex allowances for RIIO-ED1 to date, before taking account of Enduring Value adjustments. We forecast that Totex will remain slightly under the costs we included in our RIIO-ED1 business plan.

Who we are and what we do

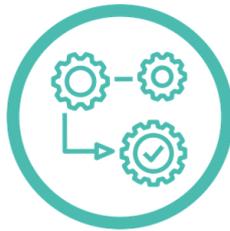
- 1.1** WPD is a Distribution Network Operator (DNO) and distributes electricity to 8 million customers across the Midlands, South Wales and the South West. We operate four of the fourteen DNO licence areas within the UK.
- 1.2** On 14 June 2021 PPL Corporation completed the sale of its UK investment in the WPD Group to National Grid Plc (“National Grid”). National Grid is the UK electricity transmission and electricity system operator.
- 1.3** WPD’s network is the largest in the UK, operating from the Lincolnshire coast, across the Midlands, South Wales and the South West to the Isles of Scilly.
- 1.4** WPD is regulated by Ofgem which sets our revenues through a process known as a price control. The current price control is known as RIIO-ED1 and covers the period 2014/15-2022/23.
- 1.5** Our role is to:
- operate our network assets to ‘keep the lights on’;
 - maintain our assets so that they are in a condition to remain reliable;
 - fix our assets if they get damaged or if they are faulty; and
 - upgrade the existing networks or build new ones to provide additional electricity supplies or capacity to existing and new customers.



Keep the lights on by operating our network assets efficiently



Maintain equipment so that the network is in a condition to remain reliable



Fix the network if equipment gets damaged or is faulty



Connect customers by upgrading existing networks or building new ones

Purpose of this report

- 1.6** Ofgem introduced Regulatory Financial Performance Reporting (RFPR) in October 2018 and published licensees' completed 2017/18 RFPR templates for the first time in March 2019. WPD has published its RFPR annually since then. The purpose of the RFPR is to provide a framework to allow Ofgem to collect accurate and consistent information from licensed network operators.
- 1.7** The RFPR is submitted to Ofgem, and published on WPD's website, by 31 July each regulatory year. Unless otherwise stated, historical values for regulatory years up to and including 2020/21 are those included in the RFPR templates published in July 2021; formats may vary where Ofgem has updated the reporting template. Forecast values are likely to evolve over time and, similarly, 2021/22 values which were forecast in the templates published in July 2021 have now been replaced with actual values. Note that 2021/22 values are submitted to Ofgem by 31 July 2022 and are therefore still subject to review by Ofgem.
- 1.8** The values in this document are in nominal prices and in £millions unless otherwise stated. There may be minor differences in summary tables and charts between totals and the sum of components. Historical values reconcile to the audited statutory accounts for WMID, EMID, SWALES and SWEST.
- 1.9** As a result of National Grid's acquisition of WPD, WPD has restated 2020/21 values in the prior year column of the 2021/22 WPD DNO Statutory Accounts. This is not a correction, but a change in reporting approach to align with National Grid, which is in line with accounting standards in relation to the alignment of accounting policies with a new parent.
- 1.10** Given that the prior year published statutory accounts will not change, and will still be available on WPD's website, we have not changed the values from the 2020/21 statutory accounts included in our 2020/21 columns in the 2021/22 RFPR submission, and similarly we have not changed our 2020/21 RFPR publication.

Key Financial Performance Measures

Bill impact

- 1.11 On average, WPD's costs accounted for around £99 of our customers' yearly domestic electricity bills in 2021/22, charged by suppliers. This is the equivalent of less than 28 pence per day.

Revenue

Regulated Revenue

- 1.12 WPD's Regulated Revenue for the regulatory year to 31 March 2022 was £1,689.3m. The table below shows how this revenue breaks down.

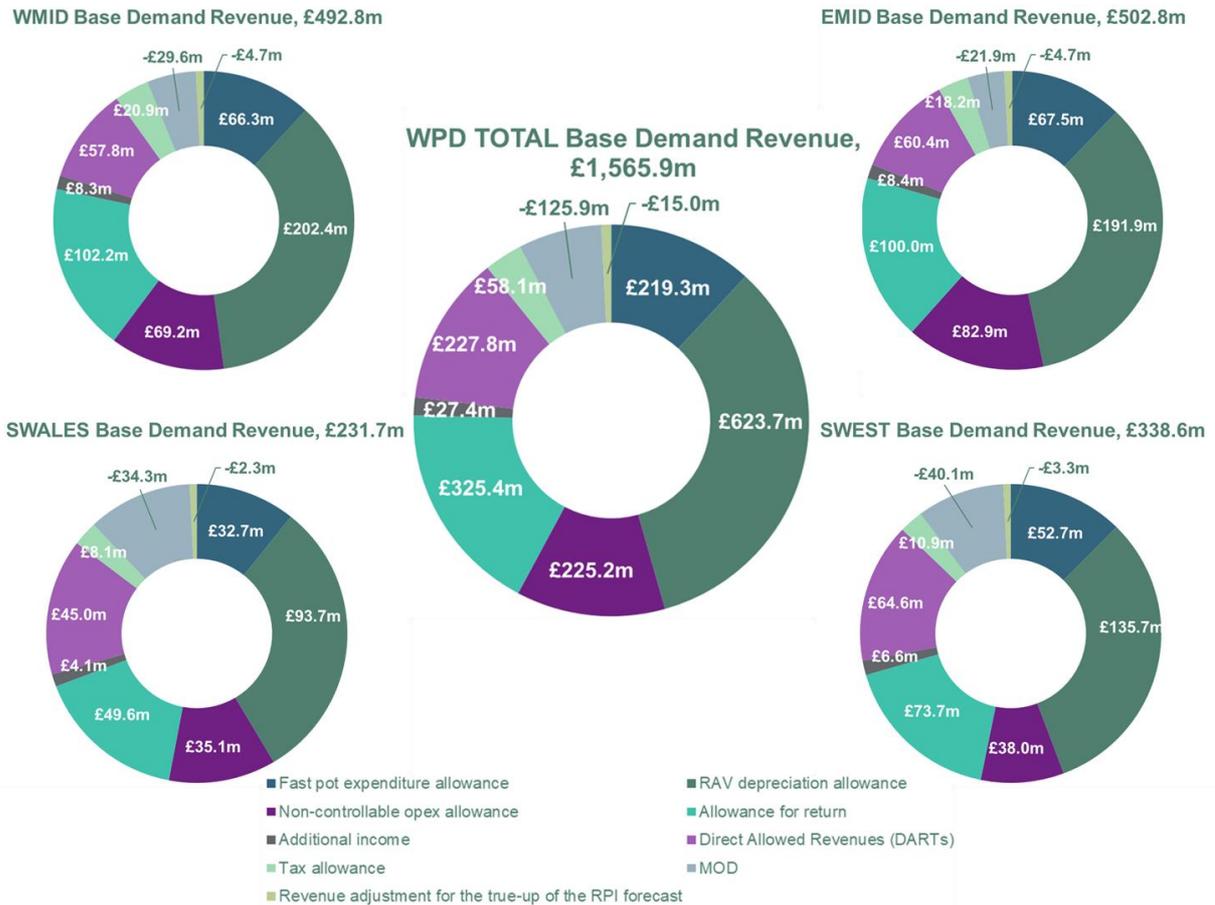
Table 1:

Regulated Revenue £m, Nominal prices	WMID	EMID	SWALES	SWEST	WPD TOTAL
Base Demand Revenue	492.8	502.8	231.7	338.6	1565.9
Under/(Over) recovery and K factor	31.0	26.3	18.6	23.4	99.3
Performance incentives (2018/19 - 2 year lag), LCNF and NIA , and true up of pass through costs	13.4	-0.2	3.6	7.4	24.1
Regulated Distribution Network Revenue	537.2	528.9	253.9	369.4	1689.3

- 1.13 Base Demand Revenue is the largest element of WPD's Regulated Revenue, and is calculated in Ofgem's published Price Control Financial Model (PCFM).
- 1.14 Performance incentives make up around 1.4% of WPD's 2021/22 Regulated Revenue. These are penalties or rewards received under the various regulatory incentive schemes, plus the element of the Low Carbon Network Fund and the Network Innovation Allowance flowing through Regulated Revenue, and true ups of Allowed Pass Through costs. The main incentives are: Broad Measure of Customer Service (BMCS), Connections incentives, and the Interruptions Incentive Scheme (IIS).
- 1.15 Tariffs are set 15 months in advance, based on forecast volumes of units distributed, and provided to energy suppliers for inclusion in customer bills. Any actual amounts under or over recovered are adjusted through future years' revenues. This is the Under/(Over) recovery, and K factor is the true up of this previous under/(over) recovery.

Base Demand Revenue

- 1.16** This is the largest element of WPD's Regulated Revenue. WPD's 2021/22 Base Demand Revenue was £1,565.9m. The charts below show the breakdown of this:



- 1.17** Under the RIIO framework, WPD receives a Totex allowance, 20% of which is received in the year incurred; this is the Fast pot expenditure allowance. The remaining 80% is added to the Regulatory Asset Value (RAV) and funded over time through the RAV depreciation allowance.
- 1.18** Non controllable opex allowances relate to costs recovered on a 'pass through' basis; these include licence fees, business rates and National Grid charges.
- 1.19** Allowance for return is calculated using the cost of capital and comprises an indexed allowance for the cost of debt and an allowance for the cost of equity as set at the start of a price control period.
- 1.20** Additional income is WPD's Fast Track reward. This equates to 2.5% of Totex over the price control, and accounts for 2% of WPD's Base Demand Revenue.
- 1.21** Direct Allowed Revenues (DARTs) includes allowances for pension deficit repair payments, revenue profiling adjustments and prior price control revenue to be recovered over RIIO ED1.
- 1.22** The Tax Allowance allows network operators to recover the current regulated tax charge, calculated by Ofgem's methodology.
- 1.23** MOD is an annual adjustment to Base Demand Revenue, to reflect updates to costs shared with customers and adjustments for uncertainty mechanisms.
- 1.24** RPI true up relates to an adjustment to previous years' revenues inflated using forecast RPI, once the actual RPI is known.

Key Operational Performance Measures

- 1.25** During RIIO-ED1 WPD committed to delivering 76 outputs for its customers. During 2021/22, the seventh year of the price control period, WPD has maintained high levels of service in all key areas. The performance summary below demonstrates where outputs are directly related to financial outturn. These are outputs where a reward or penalty can be applied by the regulator as a result of over or under delivery.
- 1.26** A detailed review of operational performance over the year will be published in October 2022 in WPD's Business Plan Commitments Report 2021/22. Note that, of the 19,186 Guaranteed Standards of Performance Failures in Table 2 below, 19,145 of these relate to Severe Weather, including Storms Arwen and Eunice.

Table 2:

KPI	Operational performance KPIs									
	WMID		EMID		SWALES		SWEST		WPD TOTAL***	
	Actual 21-22	Target	Actual 21-22	Target	Actual 21-22	Target	Actual 21-22	Target	Actual 21-22	Target
Customer interruptions per 100 customers (excluding exceptions)*	46.7	79.1	37.2	50.2	38.9	51.9	50.6	57.6	43.2	61.1
Customer minutes lost (excluding exceptions)*	29.8	51.2	22.2	35.7	24.8	32.4	36.7	42.8	27.9	41.6
Network Availability	99.994%	99.990%	99.996%	99.993%	99.995%	99.994%	99.993%	99.992%	99.995%	99.992%
Guaranteed Standards of Performance failures **	2364	0	282	0	242	0	16298	0	19186	0
Guaranteed Standards of Performance failures (Connections)	6	0	1	0	0	0	10	0	17	0
Guaranteed Standards of Performance failures (Number of 12 hour failure payments made)**	222	4064	189	2694	27	218	213	1623	651	8599
Overall Broad measure of customer satisfaction (Scores out of 10)	8.96	8.20	9.12	8.20	9.16	8.20	8.91	8.20	n/a	n/a
Stakeholder Engagement & Customer Vulnerability (Scores out of 10)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	8.35	n/a
Connections time to connect incentive days:										
Time to quote LVSSA	1.56	4.84	1.77	4.84	1.13	4.84	3.01	4.84	n/a	n/a
Time to quote LVSSB	2.89	7.84	3.46	7.84	2.69	7.84	4.35	7.84	n/a	n/a
Time to connect LVSSA	33.61	39.28	31.28	39.28	32.67	39.28	40.91	39.28	n/a	n/a
Time to connect LVSSB	38.58	47.94	39.02	47.94	40.07	47.94	46.18	47.94	n/a	n/a
Connections incentive on customer engagement	TBC	n/a	TBC	n/a	TBC	n/a	TBC	n/a	TBC	n/a
Losses discretionary reward scheme £m	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

*The values shown are based on planned and unplanned events and are calculated before exceptional events are finalised by Ofgem in October 2022.

** WPD Internal target. Note Guaranteed Standards of Performance Failures do not include 12 hour failures – these are now only shown separately under Guaranteed Standards of Performance Failures (Number of 12 hour failure payments made).

*** Ofgem does not specify an overall WPD target for CIs and CMLs; WPD has derived overall target values by weighting the individual targets by the customer numbers in each licence area.

KEY: Green = Better than target / Red = Worse than target

- 1.27** For RIIO-ED1, Ofgem placed an obligation upon all DNOs to work together to produce a common methodology for the way in which asset health, criticality and risk are assessed. This is referred to as the Common Network Asset Indices Methodology (CNAIM). The targets are overall RIIO-ED1 targets and have been established by considering the risk reduction that will be delivered by specific RIIO-ED1 asset replacement and refurbishment programmes.

- 1.28** Table 3 shows our delivery during 2021/22 and our performance towards the overall targets for RIIO-ED1.

Table 3:

Network asset indices performance					
	WMID	EMID	SWALES	SWEST	WPD
2021-22 percentage of target achieved	93%	113%	144%	79%	77%
Percentage of RIIO-ED1 target achieved to date	115%	113%	115%	99%	107%

Overview of Regulatory Performance

Return on Regulatory Equity (RoRE)

- 1.29** Ofgem assesses overall financial performance of network operators against the price control settlement using a measure called Return on Regulatory Equity (RoRE).
- 1.30** RoRE performance is compared to the cost of equity allowed at the start of the price control. It is a key financial and regulatory performance measure.
- 1.31** Table 4 presents cumulative RoRE for the RIIO ED1 regulatory years up to and including 2021/22, using 65% notional gearing. RIIO-ED1 total RoRE is shown under Regulatory Performance in Table 5 within the Overview of Regulatory Performance.

Table 4:

	CUMULATIVE TO 2021/22; NOTIONAL GEARING				
	WMID	EMID	SWALES	SWEST	WPD TOTAL
Allowed Equity Return	6.4%	6.4%	6.4%	6.4%	6.4%
Totex outperformance	-0.1%	0.3%	1.2%	1.0%	0.5%
IQI Reward	0.7%	0.7%	0.9%	0.9%	0.8%
Broad measure of customer service	0.6%	0.6%	0.6%	0.6%	0.6%
Interruptions-related quality of service	2.0%	1.8%	1.1%	0.5%	1.5%
Incentive on connections engagement	0.0%	0.0%	0.0%	0.0%	0.0%
Time to Connect Incentive	0.2%	0.2%	0.2%	0.2%	0.2%
Losses discretionary reward scheme	0.0%	0.0%	0.0%	0.0%	0.0%
Network Innovation	0.0%	0.0%	0.0%	0.0%	0.0%
Penalties and fines	0.0%	0.0%	-0.1%	-0.1%	-0.1%
RoRE - Operational performance	9.7%	10.0%	10.3%	9.6%	9.9%
Debt performance - at notional gearing	-1.3%	-0.6%	-1.5%	0.0%	-0.8%
Tax performance - at notional gearing	-0.4%	-0.4%	0.7%	-0.1%	-0.2%
RoRE - including financing and tax	8.0%	9.0%	9.5%	9.5%	8.9%
Regulatory Equity £m, 12/13 prices	716	712	321	480	2229
Weighting	32.1%	31.9%	14.4%	21.5%	100.0%

- 1.32** At the close of 2021/22 WPD's Total expenditure is approximately 2% below our Totex allowances for RIIO-ED1 to date, before taking account of Enduring Value adjustments. The RoRE analysis above shows Totex outperformance after Enduring Value adjustments and WPD Total values have been calculated using weightings based on each WPD DNO's average Regulatory Equity for the period. For further details on Enduring Value adjustments, see Appendix 2.
- 1.33** WPD was allowed a 6.4% cost of equity as part of its fast-track settlement. Drivers of RoRE include performance under the Totex Incentive Mechanism and performance against output incentives. Totex underspends and incentive rewards increase network operators' returns, while overspends and incentive penalties decrease returns. RoRE is further impacted by the difference between DNOs' actual cost of debt and to the cost of debt included in allowances, and DNOs' regulated tax liabilities compared to regulatory tax allowances.
- 1.34** Table 4 presents the cumulative RoRE for the RIIO ED1 regulatory years up to and including 2021/22. Table 5 below presents an estimate of RoRE for the total RIIO-ED1 period, based on seven years of actual data under RIIO-ED1 and our estimation of performance for the remaining year of the price control, from Table R1 – RoRE in the Regulatory Financial Performance Report.

Table 5:

	RIIO-ED1 PERIOD; NOTIONAL GEARING				
	WMID	EMID	SWALES	SWEST	WPD TOTAL
Allowed Equity Return	6.4%	6.4%	6.4%	6.4%	6.4%
Totex outperformance	-0.2%	0.2%	0.9%	0.5%	0.3%
IQI Reward	0.7%	0.7%	0.9%	0.9%	0.8%
Broad measure of customer service	0.6%	0.6%	0.6%	0.6%	0.6%
Interruptions-related quality of service	2.0%	1.8%	1.1%	0.5%	1.5%
Incentive on connections engagement	0.0%	0.0%	0.0%	0.0%	0.0%
Time to Connect Incentive	0.2%	0.2%	0.2%	0.2%	0.2%
Losses discretionary reward scheme	0.0%	0.0%	0.0%	0.0%	0.0%
Network Innovation	0.0%	0.0%	0.0%	0.0%	0.0%
Penalties and fines	0.0%	0.0%	-0.1%	-0.1%	-0.1%
RoRE - Operational performance	9.6%	9.9%	10.0%	9.0%	9.6%
Debt performance - at notional gearing	-0.5%	0.0%	-0.4%	0.5%	-0.1%
Tax performance - at notional gearing	-0.4%	-0.2%	0.6%	-0.1%	-0.1%
RoRE - including financing and tax	8.7%	9.7%	10.1%	9.4%	9.4%
Regulatory Equity £m, 12/13 prices	722	719	326	489	2257
Weighting	32.0%	31.8%	14.5%	21.7%	100.0%

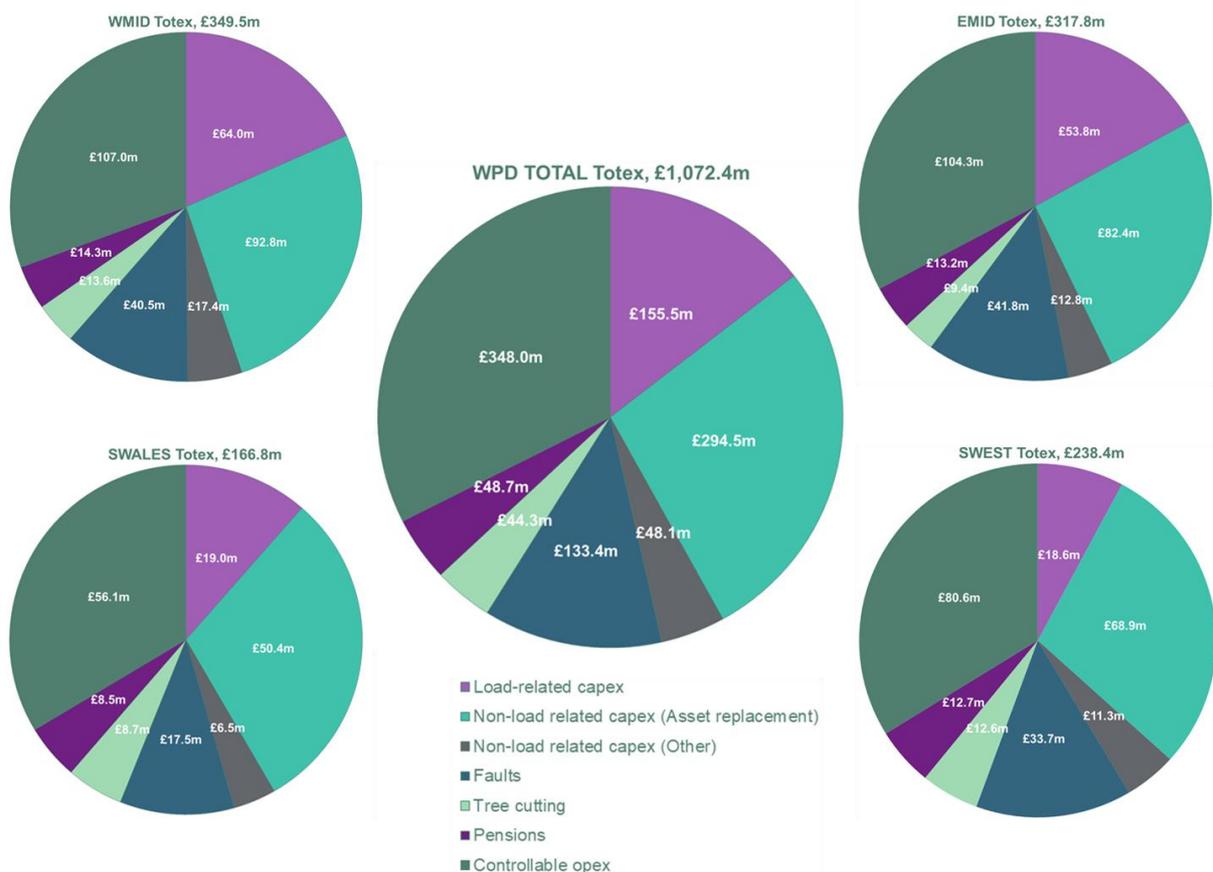
- 1.35** Note that the WPD Total values have been calculated using weightings based on each WPD DNO's average Regulatory Equity for the period, as shown above.
- 1.36** WPD's ED1 Total RoRE, including financing and tax, in the 2021/22 RFPR is 9.4%, as shown above. Differences from the WPD ED1 Total RoRE included in the 2021/21 RFPR (7.8%) largely comprise:
- A 0.2% increase in the forecast RoRE impact of Totex outperformance over the RIIO-ED1 period, from 0.1% in the 2020/21 submission, to 0.3% in the 2021/22 submission. WPD forecasts to underspend Totex allowances by 1% in ED1;
 - A reduction in performance under the Broad Measure of Customer Service incentive by 0.1%. WPD has updated its assumptions for performance under the 2019/20, 2020/21 and forecast years Stakeholder Engagement and Consumer Vulnerability Incentive (SECV) in light of the reward for 2021/22 being lower than previously forecast (see paragraph 1.48 for further details);
 - A -0.1% RoRE impact from the £14.9m financial penalty imposed by Ofgem in May 2022, which has been reported in 2021/22 in the RFPR;
 - A reduction in debt underperformance from -1.4% to -0.1%. This is largely driven by the impact of high inflation in 2021/22 and forecast for 2022/23 in the RFPR calculation of actual real debt costs; and
 - A 0.2% shift from the -0.3% Tax underperformance in the 2020/21 RFPR, to a -0.1% Tax underperformance in the 2021/22 RFPR. This is also impacted by the high inflation in 2021/22 and 2022/23 as the calculated tax impact of debt performance is removed from the tax performance calculation and shown within the RoRE impact of debt performance.
- 1.37** Note that the RoRE values in the RFPR include Enduring Value adjustments – see appendix 2 for further details.

Revenue

- 1.38 A summary of Regulated Revenue for the year 2021/22 is presented under Financial Performance above.

Totex performance

- 1.39 Under RIIO-ED1, WPD's costs are assessed on a Total Expenditure (Totex) basis for its regulated business activities which includes both capital and operating expenditure.
- 1.40 Totex is a key feature in the business plan submission to Ofgem, as part of the price control review process, as it underpins the Regulated Revenue set by Ofgem.
- 1.41 20% of WPD licensees' Totex allowance is received in the year incurred; this is the Fast pot expenditure allowance. The remaining 80% is added to the Regulatory Asset Value (RAV) and funded over time through the RAV depreciation allowance.
- 1.42 During 2021/22 WPD's Totex spend was £1072.4m, compared to an allowance of £1,095.1m.
- 1.43 The charts below represent WPD's 2021/22 actual costs broken down into the seven key reporting activities within Totex:



- 1.44 In RIIO-ED1, network operators are incentivised to spend efficiently through the Totex Incentive Mechanism (TIM). Under the TIM, WPD retains/(bears) 70% of any under/(over) spend on Totex, whilst the remaining 30% is returned/(funded) through adjusted allowances.
- 1.45 WPD Totex underspend was £22.6m for 2021/22. Of this, £15.8m (70%) will be retained by WPD and £6.8m (30%) will be returned to customers. Deducting the £6.8m returned to customers from the

original allowance of £1,095.1m gives the 'post-TIM Totex' WPD allowance of £1,088.3m. Note that these values are before the application of Enduring Value adjustments.

Output incentive performance

- 1.46** The Key Operational Performance Measures discussed in paragraphs 1.23 – 1.26 demonstrate where outputs are directly related to financial outturn. These are outputs where a reward or penalty can be applied by the regulator as a result of over or under delivery.
- 1.47** Table 6 below sets out the financial impact of the key output incentives, and the percentage of the maximum reward available.

Table 6:

£m, Nominal prices	WMID		EMID		SWALES		SWEST		WPD TOTAL	
	£m	% of maximum reward	£m	% of maximum reward	£m	% of maximum reward	£m	% of maximum reward	£m	% of maximum reward
Interruptions Incentive Scheme (IIS)	22.5	100%	20.4	94%	5.9	57%	5.8	37%	54.6	78%
Broad Measure of Customer Service (BMCS)	5.7	75%	5.8	76%	2.7	77%	3.8	72%	18.1	75%
Time to Connect Incentive (TTC)	1.6	78%	1.7	82%	0.8	78%	0.8	53%	4.9	74%
Incentive on Connections Engagement (ICE)	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A
Losses Discretionary Reward scheme (LDR)	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A	0.0	N/A
Total incentive payments	29.8		27.8		9.4		10.4		77.6	

- 1.48** In relation to the Broad Measure of Customer Service (BMCS), Ofgem decided to delay assessment of WPD's 2019/20 and 2020/21 Stakeholder Engagement and Consumer Vulnerability Incentive (SECV) and therefore the SECV amounts included within the 2019/20 and 2020/21 BMCS reward above have been forecast based on the 2021/22 outcome. This is a change in the assumption from the 2020/21 RFPR, where the assumption for 2019/20 and 2020/21 was based on the average of the prior 3 years.

Innovation

- 1.49** There are two regulatory sources of funding for innovation projects under RIIO-ED1: the Network Innovation Allowance (NIA) provides funding for smaller projects and the Network Innovation Competition (NIC) is a competitive tendering process where selected projects win funding.
- 1.50** Under the Low Carbon Network Fund, Network Innovation Competition and Network Innovation Allowance, 90% of project costs are funded through these mechanisms and the remaining 10% of costs incurred on these projects is funded by the licensee (known as the Compulsory Contribution).
- 1.51** For projects that were approved up to and including 2016/17, the additional 10% of LCNF and NIC costs may be returned to the licensee via a Successful Delivery Reward. For projects approved from 2017/18 onwards, there is no Successful Delivery Reward.
- 1.52** The RoRE analysis in the RFPR tables includes the 10% compulsory contribution for NIC and NIA costs and any NIA expenditure deemed unrecoverable, offset by any Successful Delivery Rewards. Note that, from 2018/19, NIC Bid preparation costs are not included in row 9 of RFPR table R6 as these are included within Totex from 1 April 2018.
- 1.53** The table below shows further outcomes that have been developed from our programme of NIA projects during RIIO-ED1.

Table 7:

NIA Projects	Innovation rollout	Business as usual outcomes
Common Information Model	DSO Data Access and Sharing	This project has developed tools for improved management of data and led to the rollout of the Integrated Network Model (INM) that enables consistent data across different data sources.
Multi Asset Demand Execution (MADE)	Low Carbon Technologies and Flexibility	This project has allowed significant learning on how using a combination of Low Carbon technologies can provide benefits to domestic customers and the distribution network. As part of this, a review of the G100 standards for Customer Export Limiting Schemes, and connection policies was also conducted.
Wildlife Protection	Wildlife Protection methods	The project has provided learning on which methodologies and devices can be used to effectively protect wildlife. Our overhead line policies and standard techniques have been updated and changes are being made to the way we build, replace and refurbish our overhead structures.
Low Carbon Hub / FALCON	Flexible Connections	This project resulted in the introduction of a suite of alternative flexible connection agreements for new customers.
LV Templates / FALCON / Electric Nation	LV Monitoring	The introduction of additional LV monitoring is supporting the implementation of our visibility strategy.
FALCON / Entire	Demand Side Response	These projects led to the launch and continual development of our Flexible Power programme.
LV Templates	Voltage Reduction	The introduction of voltage reduction contributes to energy saving for customers, lower losses and increases in small scale electricity generation hosting capacity.
Equilibrium	Voltage optimisation	This project led to the replacement of legacy Automatic Voltage Control systems in targeted locations to increased DG and demand hosting capacity.
Electric nation / Freedom / SOLA Bristol	Load Profiles	The projects led to the monitoring of real life consumption of EVs, storage and heat pumps, enabling us to update our planning assumptions and modelling.
All projects with data collection	Connected Data Portal	The establishment of the connected data portal has enabled publication of datasets for further research purposes.
Losses Project	Losses reduction	The project led to the review of policy and standards for cables, overhead lines and transformers.
Community Energy Action / Sola Bristol / Freedom	Community engagement	These projects contributed to the establishment of a dedicated community energy team to provide support and education.
FALCON / EPIC / Smart Systems & Heat	DFES	The introduction of DFES enabled the development of statistical and stakeholder engagement processes for our ongoing scenario planning activities.
FALCON / Equilibrium	Real Time Systems / OT	These projects enabled the enhancement and scaling of Automated Network Management and other smart grid functionality within WPD's core Network Management System.
Airborne assessment	Vegetation Management	This project led to the testing of LiDAR for vegetation management, introducing sensing and automated image identification has led to the upgrade of WPD's helicopter unit fleet.

Financing and Net Debt position

- 1.54 WPD's Well Justified Business Plan (WJBP) for RIIO-ED1 set out expenditure requirements which required WPD to raise £1.74bn of new debt as well as re-financing £850m debt as it falls due for

repayment over RIIO-ED1. In addition, the WJBP stated that shareholders would re-invest £874m to maintain gearing in WPD's four licensed entities close to 65%.

- 1.55** All debt at WPD's DNOs is denominated in sterling and therefore there is no currency risk exposure. SWEST holds a \$53.0m investment of US dollar denominated debt issued by another WPD Group company. WPD does not undertake transactions in financial derivative instruments for speculative purposes. At 31 March 2020, SWALES had entered into forward starting interest rate swap agreements to minimise the exposure to cash flow interest rate risk for a future forecasted issuance of debt. The forward starting interest rate swaps entered into in 2020 were cashed out in the year when the SWALES issued a £250m loan note. The forward starting interest rate swaps entered into by EMID in 2019 were cashed out in the year when the Company issued a £250m loan note.
- 1.56** WMID, EMID, SWALES and SWEST do not have any active derivative financial instruments and as a result there are no balances on swaps reported as at 31 March 2022 in table R8a. Where a derivative was held at a previous regulatory year end, the fair value has been reported in the R8a debt input table, to align with the balance sheet treatment. Gains or losses relating to the effective portion of forward interest rate swaps terminated prior to previous debt issuances, which are held in the hedging reserve, are recycled to the profit and loss account over the term of the associated bond, which can be seen in table R7a. These swaps were taken out to manage exposure to fluctuations in interest rate for anticipated debt issuances and then unwound when the debt was issued.
- 1.57** The RFPR requires RoRE debt performance to be presented against 'Notional' and 'Actual' Equity RAV. As debt is reported on an actual/forecast basis in the RFPR an adjustment is calculated within the RFPR to present debt performance on a notional level.

Taxation

- 1.58** The RFPR RIGs state that the purpose of RFPR table R10 – Tax is to reconcile CT600 actual corporation tax liability with the adjusted/forecast regulated tax liability. The adjusted/forecast regulated tax liability with timing differences is then compared to the forecast regulatory tax allowances and differences flow into RoRE.
- 1.59** Calculations for non-regulated tax liability have been based on non-distribution segments calculated using the same approach taken to prepare the segmental analysis in the WPD licensees' Regulatory Accounts in previous years. An adjustment is then made to remove the tax charge relating to incentive revenue, as the post-tax incentive revenues are shown for each incentive in the RoRE analysis. Adjustments have then been made for timing differences, items relating to previous price controls and Enduring Value adjustments.
- 1.60** Given the complexity of tax computations for HMRC, the impact of costs borne by licensees under the TIM, divergences between notional and actual capital allowance pools and also considering the operation of the tax trigger deadband, the tax allowance would not be expected to be exactly equal to the Adjusted/forecast regulated tax liability with timing differences calculated in table R10.
- 1.61** It is unclear how any pensions adjustments in rows 25 and 26 should be calculated and the RFPR RIGs do not contain guidance on this.
- 1.62** It should be noted that a pensions spreading adjustment was included in the WPD DNOs' tax computations to smooth the impact of the 2016/17 pensions prepayment on the Corporation Tax charge over 4 years. However, given that we have already included an Enduring Value adjustment in the RFPR for the ongoing and incremental deficit elements of the pensions prepayment, which has the effect of smoothing the impact over approximately two years, and the tax impact of this Enduring Value adjustment is included on row 34 of table R10 Tax, these two adjustments will overlap and inclusion of both adjustments does not seem appropriate. Further, it is unclear whether, how or where any adjustment should be included for the non-regulated element of pension deficit repair costs, which would be a reconciling item between the statutory tax charge and the tax allowance.
- 1.63** Similarly, the RFPR RIGs do not contain guidance on how to calculate timing differences for the other items listed. For the Collected revenue adjustment ('k'), the RPI true-up adjustment and Adjustments

for Allowed Pass-Through items, we have removed the amount included in Allowed Revenues in the reporting year which relates to 2 years prior, and included the adjustment in-year (inclusive of time value of money adjustments), which will be received on a 2 year lag basis.

- 1.64** We will seek to clarify the RFPR RIGs guidance on these adjustments as part of the RIIO-ED2 changes to RFPR reporting.
- 1.65** Note that when there is a tax loss calculated in the RIIO-ED1 PCFM, the tax allowance is set to zero for that year and the loss is carried forward to reduce the tax allowance for the following year. This same approach has been taken in the calculation of the forecast tax allowance for SWEST for 2022/23.
- 1.66** The RFPR RIGs commentary also requires us to detail our methodology for calculating the 'Tax on financing performance at actual gearing' in row 86. WPD has calculated this amount as:

Pre-Tax Cost of Debt out(under)performance at actual gearing (row 86 of table R7 – Financing)*Corporation tax rate (from Data worksheet)*RPI uplift to nominal prices (row 40 of table R10 - Tax).
- 1.67** Similarly, WPD has calculated the 'Tax impact of financing performance (at notional gearing)' in row 88 as:

Pre-Tax Cost of Debt out(under)performance at notional gearing (row 88 of table R7 – Financing)*Corporation tax rate (from Data worksheet)*RPI uplift to nominal prices (row 40 of table R10).
- 1.68** Note that there have been some minor movements in values in the R10 - Tax table as a result of changes elsewhere in the RFPR tables, and changes to reflect the inclusion of data from the most recent CT600 submissions, and the tax allowance per the latest PCFM, as required by Ofgem – see the 'Change log' worksheet in the RFPR templates for details.

RAV

- 1.69** Under the RIIO framework, WPD receives a Totex allowance, 20% of which is received in the year incurred; this is the Fast pot expenditure allowance. The remaining 80% is added to the Regulatory Asset Value (RAV) and funded over time through the RAV depreciation allowance.
- 1.70** The table below shows the adjusted closing RAV uplifted to year-end prices, for each WPD DNO, plus WPD total. This view of RAV includes the impact of Enduring Value adjustments on RAV additions. Note that values for 2022/23 are based on forecast Totex expenditure. More detail is shown in table R9 - RAV in the RFPR:

Table 8:

Adjusted Closing RAV £m, Nominal prices	2016	2017	2018	2019	2020	2021	2022	2023
WMID	2,144.3	2,261.6	2,364.4	2,451.5	2,528.7	2,620.9	2,949.3	3,268.7
EMID	2,126.2	2,256.9	2,351.5	2,438.0	2,516.8	2,607.1	2,942.5	3,266.8
SWALES	929.2	993.6	1,038.3	1,103.9	1,159.4	1,225.1	1,388.7	1,555.0
SWEST	1,351.2	1,465.5	1,566.2	1,665.6	1,757.5	1,851.1	2,111.1	2,389.6
WPD TOTAL	6,550.9	6,977.7	7,320.4	7,659.0	7,962.4	8,304.3	9,391.6	10,480.0

Dividend paid and current policy

- 1.71** The table below summarises the dividend payments for historical years, as presented in table R11 – Dividends in the RFPR:

Table 9:

£m, Nominal prices	DIVIDEND PAID PER STATUTORY ACCOUNTS						
	2016	2017	2018	2019	2020	2021	2022
WMID	0.0	90.8	165.0	10.0	90.0	0.0	67.0
EMID	52.4	130.0	113.4	30.0	64.7	40.3	74.3
SWALES	43.4	0.0	46.9	19.4	9.3	40.0	42.8
SWEST	125.2	24.4	94.9	38.6	25.0	0.0	0.0
WPD TOTAL	221.0	245.2	420.2	98.0	189.0	80.3	184.1

- 1.72** The WPD Group is structured such that a proportion of the WPD Group's debt is issued by group companies other than WMID, EMID, SWALES and SWEST. Interest payments on this debt, together with other items, are funded primarily through dividend payments from WMID, EMID, SWALES and SWEST.
- 1.73** The dividends shown in the table above reconcile to the individual WPD licensee company statutory accounts. These dividends comprise movements to other WPD group entities.
- 1.74** From 14 June 2021, WPD has been part of National Grid plc, which generates value for investors through a combination of dividend yield and asset growth. National Grid plc's dividend policy is to deliver annual dividend per share growth in line with the rate of CPIH inflation.
- 1.75** In considering capital distributions, WPD's Board is mindful of stakeholders' views and takes account of our latest financial position, and the long-term sustainability of the Company, in addition to the allowed rate of return and any incentive rewards received.
- 1.76** As shown in the RFP, we reinvest a significant portion of our profits back into the network to ensure an efficient, reliable and environmentally sustainable network. The Board ensures that it understands and takes account of the views of our ultimate shareholder in order to preserve positive investor relations. The Board acts in the shareholder's best interests by proposing an amount of dividend in accordance with the financial parameters of our regulatory allowance whilst maintaining strong financial health metrics.
- 1.77** Note that the RFP requires an adjustment to remove the element of dividends not related to the Regulatory business. WPD's apportionment methodology is set out in Appendix 3.

Pensions

- 1.78** WPD operates two defined benefit schemes which fall within Ofgem's price control pension principles:
- The Western Power Distribution Group of the Electricity Supply Pension Scheme (WPD Group), for which SWALES and SWEST are sponsoring companies; and
 - The Central Networks Group of the Electricity Supply Pension Scheme (CN Group), for which WMID and EMID are sponsoring companies.
- 1.79** As at 31 March 2019, the deficit on the WPD Group of the ESPS was £271.7m, and the deficit on the CN Group of the ESPS was £348.3m.
- 1.80** Table R12 – Pensions shows a summarised position of the pension deficit for the defined benefit schemes attributable to WPD's DNOs. The deficit for the WPD Group of the ESPS has been reported in table R12 for both SWALES and SWEST, and similarly the deficit for the CN Group of the ESPS has been reported in table R12 for both WMID and EMID.

Other activities

- 1.81** On 4 May 2022, Ofgem issued a notice to impose a financial penalty of £4 provided WPD paid the sum of £14,909,660 (less £4) in voluntary redress, in relation to compliance with obligations under the electricity distribution licence (Standard Licence Conditions 9, 10 and 30) between March 2015 and

July 2021. The RFPR RIGs states that any Ofgem related fines and penalties should be reported in table R13 of the RFPR. We have therefore reported the £14.9m, split equally between the WPD licensees, in the 2021/22 column of this table.

Data assurance statement

1.82 The data in this report has been reviewed under WPD's internal Data Assurance process.

Appendices

1 Reconciliation where licensees have a different statutory reporting year to the Regulatory Year

- 1.1 This section is not applicable as WPD's DNOs have a 31 March year end.

2 Enduring Value Adjustments

Concept

- 2.1 Ofgem's RFPR Regulatory Instructions and Guidance define Enduring Value as:
"The true value of the regulated business over the course of the price control. The enduring value of the business factors in the financial impact of any decisions or future events, which have yet to be reflected in Revenue and RAV but are known at the time of estimation. The enduring value represents the establishment of sustained long term value to the regulatory network or to its operation."¹

2015/16 Enduring Value adjustments

- 2.2 No Enduring Value adjustments have been included for the regulatory year 2015/16 in WPD's 2021/22 RFPR submissions.

2016/17 Enduring Value adjustments

Pensions prepayment

- 2.3 In March 2017, WPD made a £230m prepayment into its ESPS pension schemes. This prepayment was expected to unwind over the next two years and comprised both deficit repair payments and ongoing pension contributions.
- 2.4 In accordance with the RIGs, the prepayment was reported on a cash basis in the RRP in 2016/17 and the regulated element of the amount relating to ongoing pensions contributions and incremental deficit repair was included within Totex. The established deficit element of this prepayment has been reported on a cash basis in the RRP, outside of Totex.
- 2.5 Without any Enduring Value adjustment, the amount of the prepayment included within Totex would be calculated as an overspend and the Totex adjustment would result in a penalty of 70% of this overspend being included in RoRE for the year. An Enduring Value adjustment is therefore required.
- 2.6 The Enduring Value adjustment has been calculated by taking the incremental deficit repair included within Totex, plus the element of ongoing pensions costs included within Totex, as the Totex overspend.
- 2.7 The value of the element relating to ongoing pensions contributions for the WPD DNOs and incremental deficit repair prepayment in 2016/17 was £57m across the 4 WPD licensees. The amount of the WPD DNOs' ongoing pensions costs outside of Totex has been excluded, resulting in an adjustment of £53.4m, as shown below, for the element of the prepayment included within Totex in 2016/17. These amounts are then reversed in 2017/18 and 2018/19 – see Table A1 for further details.

¹ "RIIO Regulatory Financial Performance Reporting – Regulatory Instructions and Guidance", 30 April 2019, p.30
<https://www.ofgem.gov.uk/publications-and-updates/direction-introduce-regulatory-financial-performance-reporting-rfpr>

Table A1:

Pensions prepayment EV adjustment £m, Nominal prices	2016/17	2017/18	2018/19	TOTAL
WMID	14.6	-14.3	-0.3	0.0
EMID	12.8	-12.5	-0.3	0.0
SWALES	10.1	-9.6	-0.5	0.0
SWEST	15.9	-15.4	-0.5	0.0
WPD TOTAL	53.4	-51.8	-1.6	0.0

2.8 Table A2 shows these values restated in 12/13 prices, as included in the RFPR:

Table A2:

Pensions prepayment EV adjustment £m, 12/13 prices*	2016/17	2017/18	2018/19	TOTAL
WMID	9.4	-8.9	-0.2	0.3
EMID	8.3	-7.8	-0.2	0.3
SWALES	6.5	-6.0	-0.3	0.2
SWEST	10.3	-9.6	-0.3	0.4
WPD TOTAL	34.5	-32.3	-1.0	1.3

* Note this is 70% of the overspend relating to the prepayment as the remaining 30% is adjusted via the TIM. These values have been grossed up by 100/70 for inclusion in row 22 of table R4 – Totex, as the 70% is then applied in row 31 of the same table.

2017/18 Enduring Value adjustments

Pensions prepayment

2.9 As the pensions prepayment made in 2016/17 was expected to unwind over the next two years, there should therefore be a reversal of the Enduring Value adjustment in 2017/18 equivalent to the 2017/18 amount of ongoing and incremental pensions cost.

2.10 The adjustment above is calculated as the sum of:

- The reversal of the prepayment of incremental deficit repair costs in 17/18; and
- The reversal of the prepayment of ongoing pension costs within the price control in 17/18.

Rail electrification

2.11 In April 2018, WPD agreed to make a voluntary return of £77m (12/13 prices) of unspent forecast regulatory Totex allowances associated with curtailed rail electrification projects. These allowances will be returned equally in the years 2020/21, 2021/22 and 2022/23 via the PCFM, and therefore Base Revenue.

2.12 An Enduring Value adjustment is therefore required to remove the benefit under the Totex Incentive Mechanism recognised to date due to unspent rail electrification allowances, as this benefit will not “endure”, given that the unspent amounts will be handed back in future years.

2.13 Table A3 below shows the profile of the “hand back”.

Table A3:

Rail electrification Hand back £m, 12/13 prices	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	TOTAL
WMID	0.0	0.0	0.0	0.0	0.0	-6.5	-6.5	-6.5	-19.4
EMID	0.0	0.0	0.0	0.0	0.0	-3.4	-3.4	-3.4	-10.2
SWALES	0.0	0.0	0.0	0.0	0.0	-12.7	-12.7	-12.7	-38.2
SWEST	0.0	0.0	0.0	0.0	0.0	-3.1	-3.1	-3.1	-9.2
TOTAL	0.0	0.0	0.0	0.0	0.0	-25.7	-25.7	-25.7	-77.0

Table A4 shows the profile of the underspend “handed back”.

Table A4:

Rail electrification Underspend £m, 12/13 prices	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	TOTAL
WMID	0.5	-0.1	0.1	0.1	1.3	5.8	5.8	5.9	19.4
EMID	4.5	4.5	4.4	1.3	-4.6	0.0	0.0	0.0	10.2
SWALES	12.7	14.1	5.7	5.7	0.0	0.0	0.0	0.0	38.2
SWEST	3.7	5.9	-0.9	-3.2	-3.2	0.0	0.8	6.2	9.2
WPD TOTAL	21.4	24.5	9.3	3.9	-6.5	5.8	6.6	12.1	77.0

2.14 It is therefore the benefit of the underspend from the beginning of the price control up to, and including, regulatory year 2017/18 that should be adjusted for via Enduring Value.

2.15 Additional Enduring Value adjustments are required in years 18/19 onwards, to:

- further increase the Enduring Value balance adjustment accrual by removing any further benefit from unspent rail electrification allowances; and then
- to unwind the Enduring Value balance in years 20/21, 21/22 and 22/23 as the adjustments are made to Base Revenue.

2.16 As the Rail Electrification hand back was agreed in April 2018, WPD has entered the first adjustment in 2017/18 for the three years’ underspends to date, on the basis that historical data in the RFPR, once submitted, should be static wherever possible.

2.17 Table A5 shows the Enduring Value adjustments included in the RFPR for Rail Electrification.

Table A5:

Rail electrification Enduring value adjustment* £m, 12/13 prices	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	TOTAL
	ACCRUING					UNWINDING			
WMID			-0.4	-0.1	-0.9	0.5	0.5	0.4	0.0
EMID			-9.4	-0.9	3.2	2.4	2.4	2.4	0.0
SWALES			-22.7	-4.0	0.0	8.9	8.9	8.9	0.0
SWEST			-6.1	2.3	2.3	2.2	1.6	-2.2	0.0
WPD TOTAL	0.0	0.0	-38.6	-2.7	4.6	13.9	13.4	9.5	0.0

* Note this is 70% of the underspend as the remaining 30% is returned to customers via the TIM. These values have been grossed up by 100/70 for inclusion in row 23 of table R4 – Totex, as the 70% is then applied in row 31 of the same table.

2018/19 Enduring Value adjustments

Pensions prepayment

- 2.18 As the pensions prepayment made in 2016/17 was expected to unwind over the next two years, there should therefore be a reversal of the remaining amount of Enduring Value adjustment in 2018/19 to ensure the prepayment has a nil effect over the total ED1 period. These amounts are shown in table A2 above.

Rail electrification

- 2.19 See above for details.

RAV/Non-RAV split of Enduring Value adjustments

- 2.20 The pensions prepayment Enduring Value adjustment is all included as a Non-RAV Enduring Value adjustment, on the basis that there had been no overstatement of the RAV; the pensions cash payment occurred and 80% of the cash pensions costs reported in the RRP was added to the RAV and would not be clawed back.
- 2.21 The Rail Electrification Enduring Value adjustment is, however, split 80% RAV, 20% Non-RAV, on the basis that there is currently 80% of the benefit from the Totex underspend included in the RAV which will be handed back in the future.

2019/20 Enduring Value adjustments

Rail electrification

- 2.1 See above for details.

2020/21 Enduring Value adjustments

Rail electrification

- 2.1 See above for details.

2021/22 Enduring Value adjustments

Rail electrification

- 2.2 See above for details.

TIM neutral and Smart Meter allowances

- 2.3 The RIIO-ED1 price control includes two 'TIM neutral' mechanisms for Visual Amenity and Worst Served Customer Projects. These operate on a 'use it or lose it' basis, whereby opening allowances were set at zero and are then subject to revision on a 2 year lag based on actual expenditure up to a total allowed amount. Similarly, opening levels of allowed Totex expenditure for Smart Meter Roll-out Costs were set on a provisional basis and are revised on a 2 year lag basis based on the actual number of Smart Meter Interventions.
- 2.4 As row 13 of the R4-Totex worksheet takes the Totex allowance from latest published PCFM, this does not include adjustments for the above items for 2021/22 onwards, yet the corresponding costs would be included in actual 2021/22 and forecast Totex. An Enduring Value adjustment is therefore required for these years for the amount of Totex allowance anticipated, which has been reported in table M17 of WPD's Regulatory Reporting Pack. The adjustments included are set out below.

2.5 Note that these Enduring Value adjustments have also been split out of RAV additions in row 19 and RAV depreciation in row 22 and presented within RAV additions Enduring Value adjustments in row 20 and RAV depreciation Enduring Value adjustments in row 23 of table R9 – RAV; RAV additions for 2021/22 onwards have been based on forecast values of post-TIM Totex, which will already reflect the forecast updates to allowances so this is simply a presentational change.

Table A6:

TIM neutral and Smart meter adjustments £m, 12/13 prices	2019/20	2020/21	2021/22	2022/23	TOTAL
WMID	-	-	1.0	2.5	3.5
EMID	-	-	1.1	1.7	2.8
SWALES	-	-	1.2	1.8	3.0
SWEST	-	-	0.8	2.2	3.1
WPD TOTAL	-	-	4.1	8.3	12.4

2022/23 Enduring Value adjustments

Rail electrification

2.6 See above for details.

TIM neutral and Smart Meter allowances

2.7 See above for details.

Green recovery

2.8 2021/22 actual and 2022/23 forecast expenditure in the 2021/22 RFPR includes the Green Recovery investment projects agreed by Ofgem in Spring 2021. The Green Recovery mechanism adjusts RIIO-ED1 allowances for Green Recovery expenditure, where expenditure on projects triggers an increase in Totex overspend.

Summary of Enduring Value adjustments to Totex

2.9 Table A7 below summarises the Enduring Value adjustments included within table R4 – Totex. Note these are the values included in rows 22-24 of table R4, rather than 70% of these amounts included in the tables above and which flow through to the RoRE calculation.

Table A7:

Enduring Value Totex Summary £m, 12/13 prices	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	TOTAL
Pensions prepayment	0.0	13.5	-12.7	-0.2	0.0	0.0	0.0	0.0	0.5
Rail electrification	0.0	0.0	-0.5	-0.1	-1.3	0.7	0.7	0.6	0.0
TIM neutral and Smart meter adjustments	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.5	3.5
WMID TOTAL	0.0	13.5	-13.3	-0.4	-1.3	0.7	1.7	3.0	4.0
Pensions prepayment	0.0	11.8	-11.1	-0.3	0.0	0.0	0.0	0.0	0.4
Rail electrification	0.0	0.0	-13.4	-1.3	4.6	3.4	3.4	3.4	0.0
TIM neutral and Smart meter adjustments	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.7	2.8
EMID TOTAL	0.0	11.8	-24.5	-1.6	4.6	3.4	4.5	5.1	3.3
Pensions prepayment	0.0	9.3	-8.6	-0.4	0.0	0.0	0.0	0.0	0.4
Rail electrification	0.0	0.0	-32.5	-5.7	0.0	12.7	12.7	12.7	0.0
TIM neutral and Smart meter adjustments	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.8	3.0
SWALES TOTAL	0.0	9.3	-41.0	-6.1	0.0	12.7	13.9	14.6	3.3
Pensions prepayment	0.0	14.7	-13.7	-0.5	0.0	0.0	0.0	0.0	0.5
Rail electrification	0.0	0.0	-8.8	3.2	3.2	3.1	2.3	-3.1	0.0
TIM neutral and Smart meter adjustments	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.2	3.1
SWEST TOTAL	0.0	14.7	-22.5	2.8	3.2	3.1	3.1	-0.8	3.6
Pensions prepayment	0.0	49.3	-46.1	-1.4	0.0	0.0	0.0	0.0	1.8
Rail electrification	0.0	0.0	-55.2	-3.9	6.5	19.9	19.1	13.6	0.0
TIM neutral and Smart meter adjustments	0.0	0.0	0.0	0.0	0.0	0.0	4.1	8.3	12.4
WPD TOTAL	0.0	49.3	-101.3	-5.3	6.5	19.9	23.2	21.9	14.2

Summary of Enduring Value adjustments to RAV additions

2.10 Table A8 below sets out the breakdown of the Enduring Value adjustments to RAV additions, as shown in row 20 of RFPR table R9- RAV.

Table A8:

Enduring Value Summary RAV additions adjustments £m, 12/13 prices	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	TOTAL
Rail electrification	0.0	0.0	-0.3	-0.1	-0.7	0.4	0.4	0.3	0.0
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	2.0
WMID TOTAL	0.0	0.0	-0.3	-0.1	-0.7	0.4	1.0	1.7	2.0
Rail electrification	0.0	0.0	-7.5	-0.7	2.5	1.9	1.9	1.9	0.0
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0	1.6
EMID TOTAL	0.0	0.0	-7.5	-0.7	2.5	1.9	2.5	2.9	1.6
Rail electrification	0.0	0.0	-18.2	-3.2	0.0	7.1	7.1	7.1	0.0
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0	1.7
SWALES TOTAL	0.0	0.0	-18.2	-3.2	0.0	7.1	7.8	8.2	1.7
Rail electrification	0.0	0.0	-4.9	1.8	1.8	1.7	1.3	-1.7	0.0
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.3	1.7
SWEST TOTAL	0.0	0.0	-4.9	1.8	1.8	1.7	1.8	-0.5	1.7
Rail electrification	0.0	0.0	-30.9	-2.2	3.7	11.1	10.7	7.6	0.0
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.6	7.0
WPD TOTAL	0.0	0.0	-30.9	-2.2	3.7	11.1	13.0	12.3	7.0

- 2.11 Table A9 below sets out the breakdown of the depreciation impact of Enduring Value adjustments to RAV additions, as shown in row 23 of RFPR table R9- RAV.

Table A9:

Enduring Value Summary RAV depreciation adjustments £m, 12/13 prices	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	TOTAL
Rail electrification	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WMID TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Rail electrification	0.0	0.0	0.0	-0.3	-0.3	-0.2	-0.2	-0.1	-1.0
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMID TOTAL	0.0	0.0	0.0	-0.3	-0.3	-0.2	-0.2	-0.1	-1.0
Rail electrification	0.0	0.0	0.0	-0.6	-0.7	-0.7	-0.5	-0.4	-3.0
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SWALES TOTAL	0.0	0.0	0.0	-0.6	-0.7	-0.7	-0.5	-0.3	-2.9
Rail electrification	0.0	0.0	0.0	-0.2	-0.1	-0.1	0.0	0.0	-0.3
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SWEST TOTAL	0.0	0.0	0.0	-0.2	-0.1	-0.1	0.0	0.0	-0.3
Rail electrification	0.0	0.0	0.0	-1.1	-1.1	-1.0	-0.7	-0.5	-4.4
TIM neutral and Smart meter adjustments to Totex allowance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
WPD TOTAL	0.0	0.0	0.0	-1.1	-1.1	-1.0	-0.7	-0.4	-4.3

Previous Enduring Value adjustments

- 2.12 Enduring Value adjustments for TIM neutral and Smart Meter roll out costs were made included in the 2020/21 RFPR submission for the regulatory year 2020/21 as corresponding allowances had not been included in the latest published PCFM at the time (PCFM dated November 2020). These Enduring Value adjustments have now been removed as the corresponding allowances are included in updated Totex allowances for 2020/21 in what is now the latest published PCFM (November 2021).
- 2.13 2021/22 actual and 2022/23 forecast expenditure in the 2021/22 RFPR includes the Green Recovery investment projects agreed by Ofgem in spring 2021. The Green Recovery mechanism adjusts RIIO-ED1 allowances for Green Recovery expenditure, where expenditure on projects triggers an increase in Totex overspend. In the 2020/21 RFPR we included an Enduring Value adjustment for anticipated Green Recovery allowances in EMID. We are no longer forecasting a Totex overspend over the RIIO-ED1 period for EMID, and we therefore no longer anticipate receiving any additional Green Recovery allowance in 2022/23. No Green Recovery Enduring Value adjustments have been included in the 2021/22 RFPR.

3. Basis of any estimates and allocations

Use of RRP data

- 2.14 Note that much of the data in the RFPR tables has been taken from the RRP tables which are also submitted to Ofgem in July 2022. WPD has not had confirmation from Ofgem that no changes are required to this data.

- 2.15 Details of areas of allocation processes and estimation methodologies used to derive RRP data are reported in the Strategic Performance Overview accompanying the RRP data submitted to Ofgem in July 2022.

Allocation processes and estimation methodologies

- 2.16 Guidance has not been provided by Ofgem for the following areas, therefore WPD sets out its methodologies below.

1. Allocation of dividends

- 2.17 The RFPF requires an adjustment to remove the element of dividends not related to the Regulatory business.
- 2.18 Ofgem has not prescribed a method of calculating this, therefore WPD's apportionment methodology uses RRP data in table C1 and takes:

$$\frac{\text{Total Net Costs after Non Price Control allocation outside the price control}}{\text{(Total Net Costs after Non Price Control allocation outside the price control, PLUS Total Net Costs after Non Price Control allocation inside the price control)}}$$

Calculated as a percentage for each regulatory year.

- 2.19 The dividend paid per the statutory accounts is then multiplied by this percentage to calculate the element paid not related to the Regulated business.

2. Tax

- 2.20 The RFPF requires an adjustment to remove the element of the tax charge per the CT600 not related to the Regulatory business. Notional values for the taxation charge for Metering equipment and services, Directly Remunerated Services (excluding metering) and De Minimis Business of the licensee have been calculated using the same approach taken to prepare the segmental analysis in the WPD licensees' Regulatory Accounts in previous years. This uses revenue and costs reported in the RRP tables for these categories, plus customer contributions for connections outside of RAV.
- 2.21 Automated adjustments are then made to reflect tax on output incentives and IQI additional income. Further adjustments for timing differences have then been input for the impact of Correction factor (K) and under/over recovery, MOD, RPI True up and Adjustments for Allowed Pass-Through items using data from RFPF table R2 – Revenue and forecast data. The impact on the tax charge of the DPCR4 losses incentive and DPCR5 legacy revenue adjustments has been removed as this does not relate to RIIO-ED1. A further adjustment has been made for Revenue profiling adjustments. Adjustments for Enduring Value are then included using data from table R4.
- 2.22 Note that when there is a tax loss calculated in the RIIO-ED1 PCFM, the tax allowance is set to zero for that year and the loss is carried forward to reduce the tax allowance for the following year. This same approach has been taken in the calculation of the forecast tax allowance for SWEST for 2022/23.

3. Pensions reporting

- 2.23 As set out above in relation to table R12 – Pensions, information for the Central Networks Group of the ESPS is reported in table R12 for WMID and EMID, and the WPD Scheme is reported in table R12 for SWALES and SWEST. As the RIGs for table R12 require that the total pension deficit repair payment made by the licensee for its share of any defined benefit schemes is reported, the non-regulated amount of any deficit repair payments into these schemes has been apportioned to arrive at the licensee share. The basis of this allocation for 2021/22 is as follows.
- 2.24 Total deficit repair payment for the CN scheme has been split between pre cut-off deficit repair and post cut-off deficit repair amounts based on the pre cut-off and post cut-off proportions in the last

Pensions Deficit Allocation Methodology (PDAM) submission to Ofgem. These amounts are then multiplied by the respective pre cut-off and post cut-off Regulatory Fractions for WMID and EMID from the 2020 PDAM submission to derive the Established and Incremental deficit repair amounts for WMID and EMID. This then leaves a non-regulated element of both the pre and post cut-off payments to be apportioned between WMID and EMID. This is calculated by pro-rating the pre cut-off non-regulated amount between WMID and EMID depending on their relative shares of the Established deficit repair payment for the scheme, and the post cut-off non-regulated amount based on relative shares of the Incremental deficit repair repayment for the scheme.

- 2.25** The same approach is followed for the apportionment of the deficit repair payments into the WPD Scheme between SWALES and SWEST.

4. Other relevant information

Useful links and further information

Further information on WPD's Financial Performance can be found in WPD's Statutory Accounts:

<https://www.westernpower.co.uk/about-us/financial-information>

Further information on WPD's Operational Performance can be found in WPD's Business Plan Commitments Report – note that the 2021/22 report will be published in October 2022:

<https://www.westernpower.co.uk/customers-and-community/performance-reporting-riio-ed1>

WPD's RIIO-ED1 Business Plan can be found at the link below:

www.westernpower.co.uk/About-us/Stakeholder-information/Our-Future-Business-Plan.aspx

WPD's RIIO-ED2 Business Plan can be found at the link below:

www.westernpower.co.uk/RIIO-ED2BusinessPlan

Ofgem's Guide to the RIIO-ED1 Electricity Distribution Price control is intended to give stakeholders a better understanding of how RIIO-ED1 works in practice:

https://www.ofgem.gov.uk/system/files/docs/2017/01/guide_to_riioed1.pdf

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