

Navigating our Plan 2023 - 2028

December 2021



Contents

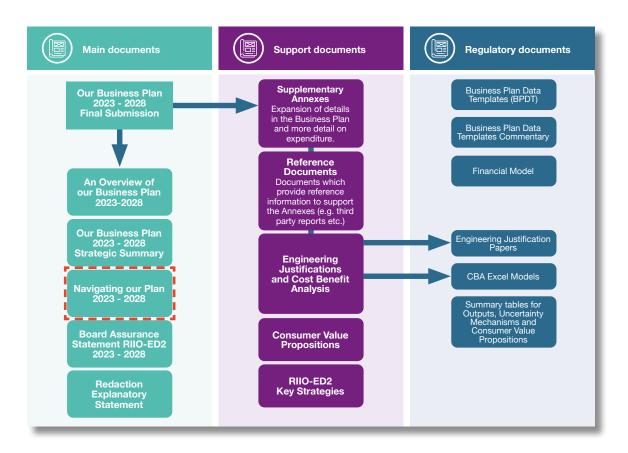
1.	Introduction	3
2.	How to navigate our plan	3
3.	A full list of our documents to support our submission	4
	Supplementary Annexes	4
	RIIO-ED2 Strategies	
	Engineering Justification Papers and Cost Benefit Analysis	8
	Financial documents	
	Consumer Value Proposition	

1. Introduction

- 1.1. Our Business Plan submission is based on Ofgem's Business Plan Guidance issued in September 2021.
- **1.2.** This document sets out how to navigate our plan and provides a checklist to show we have addressed the requirements set out by Ofgem.

2. How to navigate our plan

2.1. Our Business Plan submission consists of the following documents:



- 2.2. The red box highlights which part of the overall plan the reader is currently in. This diagram will be at the beginning of the main document and supplementary annexes within the plan.
- 2.3. We will highlight where you are in our documents, by including a dashed box for that section. For example, the diagram above shows you the document you are in is 'Navigating our Plan 2023 2028'. This format will be used in our Business Plan and Supplementary Annexes.
- 2.4. If you are reading a particular chapter in our Business Plan, we will highlight that there is an associated supplementary annex providing further detail. For example, Chapter 2 Our commitments of the RIIO-ED2 Business Plan has an associated Supplementary Annex SA-02: Our commitments, which will provide additional information with regard to our core and wider commitments.
- 2.5. In the Business Plan we refer to strategy documents which will be appended to the plan but may also be found by clicking on the hyperlink which will take the reader to the relevant part of WPD's website where that document will be available to read.

3. A full list of our documents to support our submission

- **3.1.** Our RIIO-ED2 Business Plan is supported by a number of documents which include supplementary annexes, strategies, engineering justification papers and business plan data tables.
- 3.2. These documents provide further detail and justification to support our Business Plan.
- 3.3. A full list of our supporting documents can be found below. All of these documents can be found at: www.westernpower.co.uk/RIIO-ED2BusinessPlan

Supplementary Annexes

3.4. Supplementary Annexes provide further details than that cover in the associated chapter in the main Business Plan document

Supplementary Annex name	Description	Further appendices
SA-01 Governance and assurance	This annex supplements Chapter 1 and provides further details on the governance and assurance procedures used for the Business Plan.	Not applicable.
SA-02 Our commitments	This annex supplements Chapter 2 and provides further details on our 42 core commitments, stakeholder support for these, as well as hundreds of wider commitments.	This annex contains 19 further appendices including relevant strategies that sit behind the core commitments and WPD's Consumer Value Proposition submissions.
SA-02a Our commitments – Justification analysis	This annex supplements Chapter 2 and provides further justifications to support our 42 core commitments.	Not applicable.
SA-03 Delivering a smart and flexible electricity network	This annex supplements Chapter 3 and provides further details on our focus to develop a smart and flexible network in order to enable net zero to be achieved.	This annex contains 24 further appendices including a tracker evidencing how Ofgem's specific baseline standards have been met; Shaping Subtransmission studies to assess the requirements of the network to meet future demands; as well as a variety of relevant strategies including Losses, Telecoms, Digitalisation and Net Zero Communities.
SA-04 We keep our promises	This annex supplements Chapter 4 and provides further details on our track record in RIIO-ED1.	This annex contains four further appendices providing evidence of WPD's existing performance in RIIO-ED1, including current Business Plan Commitment Reports and Regulatory Finance Performance Reporting.
SA-05 Giving customers a stronger voice: Enhanced engagement	This annex supplements Chapter 5 and provides further details on our extensive stakeholder engagement programme.	This annex contains 40 further appendices including workshop reports, research and survey findings, synthesis reports that consolidate the findings after each completed engagement stage, social value analysis and copies of WPD's consultations.

Supplementary Annex name	Description	Further appendices
SA-06 Expenditure	This annex supplements Chapter 6 and provides further details on total expenditure proposals for RIIO-ED2.	This annex contains four further appendices including an all-DNO ENA study prepared by Oxera to identify, assess and evaluate Totex cost drivers; an independent commentary on Frontier Economics' report to Ofgem on the feasibility of econometric benchmarking in DNO cost regulation; and all-DNO Energy Networks Association studies prepared by NERA on ongoing efficiency and Real Price Effects in RIIO-ED2.
SA-06a Load related expenditure	This annex supplements Chapter 6 and provides further details specifically on load related expenditure and an uncertainty mechanism to minimise risk to our customers.	This annex contains four further appendices including WPD's Distribution Future Energy Scenarios and associated stakeholder consultation findings.
SA-07 Managing uncertainty	This annex supplements Chapter 7 and provides further details on how we will manage uncertainty and adapt to change throughout the RIIO-ED2 period.	Not applicable.
SA-08 Competition	This annex supplements Chapter 8 and provides further details on competition.	This annex contains ten further appendices including an overview of our procurement process for flexibility services and our associated pricing strategy.
SA-09 Financing our plan	This annex supplements Chapter 9 and provides further details on the factors around financing our plan.	This annex contains seven further appendices, including Oxera and Frontier Economics' reports on the WPD cost of equity, NERA reports on the additional costs of borrowing, deterministic analysis on WPD's financeability and stochastic analysis to assess the impact of a range of different scenarios on WPD's credit rating.
SA-10 Glossary	This annex supplements Chapter 10 and provides further expansion and clarification on acronyms and defined terms in the Business Plan.	Not applicable.
SA-11 Investment appraisal	This annex supplements the main Business Plan and provides further details regarding our investment appraisal approach to justify expenditure and the range of Engineering Justifications Papers and Cost Benefit Analyses we have produced to support our proposals.	Not applicable.

In addition to the core RIIO-ED2 strategies as part of our Business Plan document suite there are a number of wider, contributory strategies. These are as follows:

RIIO-ED2 strategies

Stratamy name	Description
Strategy name	Description
Climate Resilience Strategy	Our Climate Resilience Strategy demonstrates how we are managing our network to make it resilient to the affects of climate change.
Customer Vulnerability Strategy	Our Customer Vulnerability Strategy describes the extensive range of initiatives we will put in place to support our vulnerable customers, exceed Ofgem's baseline expectations and in particular ensure that vulnerable customers are not left behind in a smart energy future.
Cyber Security Strategy	Our Cyber Security Strategy demonstrates how we are committed to developing and maintaining high levels of protection from the risk of cyber attacks.
Destination Net Zero: Business Innovation and Efficiency Strategy	Our Destination Net Zero: Business Innovation and Efficiency Strategy details our commitment to transformational change within the business to deliver net zero for us and our stakeholders.
Digitalisation Strategy and Action Plan	Our Digitalisation Strategy and Action Plan demonstrates how we will make best use of new and existing data to manage our networks.
DSO Strategy	Our DSO Strategy details how we will continue to develop our Distribution System Operator capabilities, which were first established in RIIO-ED1, to enable progress towards net zero in RIIO-ED2.
Electric Vehicles Strategy	Our Electric Vehicle Strategy sets out how we will ensure that suitable network exists so that drivers of electric vehicles are able to charge them in a manner convenient to them.
Energy Networks Association (ENA) Network Innovation Strategy	The Energy Networks Association (ENA) Network Innovation Strategy summarises the shared ambitions and priorities for electricity and gas network innovation.
Environmental Action Plan	Our Environmental Action Plan describes how we will achieve net zero by 2028 within our own business carbon footprint and ensure our operations have minimal impact on the environment.
Environment Strategy	Our Environment Strategy details our long term plan for decarbonisation, environmental sustainability and protection of the environment.
Heat Pump Strategy	Our Heat Pump Strategy sets out how we will ensure that future owners of heat pumps will be able to connect to our network in a manner convenient to them.
Information Technology (IT) Strategy	Our IT Strategy outlines how IT will support and shape WPD's overall business strategy in RIIO-ED2.
Innovation Strategy	Our Innovation Strategy describes our approach to innovation and how we continue to innovate within our business to improve efficiency and support the move to net zero.
Losses Strategy	Our Losses Strategy demonstrates the actions we are taking to reduce the network losses which are apparent on our network.
Major Connections Strategy	Our Major Connections Strategy lays out our long term plan to deliver continuous improvements for our connections' customers.

RIIO-ED2 strategies (continued)

Strategy name	Description
Network Visibility Strategy	Our Network Visibility Strategy identifies the monitoring requirements we need to develop smart networks, improve network design and enhance network security.
Net Zero Communities Strategy	Our Net Zero Communities Strategy demonstrates how we are committed to accelerating net zero in communities across our four licence areas.
Smart Meter Strategy	Our Smart Meter Strategy demonstrates how we will harness the data provided by smart meters to further improve service delivery and prevent power cuts.
Social Contract	Our Social Contract sets out our commitment to have a positive social impact and the actions we will take to act as a good corporate citizen, delivering positive benefits for our local communities.
Whole Systems Strategy	Our Whole Systems Strategy identifies how WPD will collaborate and coordinate across sectors to achieve decarbonisation for customers and society.
Workforce Resilience Strategy	Our Workforce Resilience Strategy recognises that our employees wellbeing and attracting talent is critical to our success as a business.



Engineering Justification Papers (EJPs)

EJP Reference	EJP Name
EJP001	Replacement of Internal Combustion Engine Vehicles with Pure Electric Vehicles and Charger Installation
EJP002	Mobile Generator Replacement Programme
EJP003	Replacement of Bunkered Fuel Tanks
EJP004	Exeter Depot Refurbishment
EJP005	Torquay Depot Refurbishment
EJP006	Plymouth Depot Refurbishment
EJP007	General Buildings Refurbishment Programme
EJP008	Incorporating Solar PV in our Non-Operational Sites
EJP009	Disaster Recovery Data Centre Replacement
EJP010	Cyber resilience OT plan
EJP011	IT New Application software & upgrades
EJP012	IT Desktop Computing
EJP013	Computer Infrastructure (IT)
EJP014	IT Communications - Voice and Data
EJP015	Cyber Security (IT)
EJP016	Diversions - Conversion of Wayleaves to Easements, Easements and Injurious Affection Claims
EJP017	Visual Amenity (Undergrounding in National Parks and AONBs)
EJP018	New Fibre Deployment
EJP019	Fibre Refurbishment
EJP020	New Communication Sites for Fibre Network
EJP021	New Radio Communication Sites
EJP022	Communication Tower Replacement & Refurbishment
EJP023	Communication Buildings Replacement & Refurbishment
EJP024	Communication Sites Battery & Charger Replacement
EJP025	Communication Sites Generator Replacement
EJP026	Communication Sites Physical Security Upgrade
EJP027	Securing Telecommunication Equipment
EJP028	Communication Site Link Resilience
EJP029	IP & Firewall Network Replacement
EJP030	Microwave Upgrade & Replacement
EJP031	DWDM Network Upgrade Programme
EJP032	LTE Network Build & Growth
EJP033	Automation Communications Equipment Migration
EJP034	Inter-Tripping Protection Circuit Communications Equipment Replacement
EJP035	Remote Terminal Unit Growth Programme
EJP036	Readiness for the PSTN Switch Off
EJP037	Remote Terminal Unit Replacement Programme

EJP Reference	EJP Name
EJP038	Worst Served Customers
EJP039	PCB Removal Programme
EJP040	Reducing the risks associated with overhead lines across school playing areas
EJP041	Flood Mitigation
EJP042	LV Underground Cable Replacement Programme
EJP043	HV Underground Cable Replacement Programme
EJP044	EHV Underground Cable Replacement and Refurbishment Programme
EJP045	132kV Underground Cable Replacement and Refurbishment Programme
EJP046	LV Pole Line Conductor and Pole Replacement and Refurbishment Programme
EJP047	HV Pole Line Conductor and Pole Replacement and Refurbishment Programme
EJP048	EHV Pole Line Conductor and Pole Replacement and Refurbishment Programme
EJP049	132kV Pole Line Conductor and Pole Replacement Programme
EJP050	EHV Overhead Tower Line Conductor and Fittings Replacement Programme
EJP051	132kV Overhead Tower Line Conductor and Fittings Replacement Programme
EJP052	132kV Overhead Tower Replacement and Refurbishment Programme
EJP053	LV UGB Replacement Programme
EJP054	LV Substation Switchgear Replacement Programme
EJP055	HV Substation GM Switchgear Replacement Programme
EJP056	HV Circuit Breaker GM Primary Replacement Programme
EJP057	33kV Circuit Breaker Replacement Programme
EJP058	66kV Circuit Breaker Replacement Programme
EJP059	132kV Circuit Breaker Replacement Programme
EJP060	HV Switchgear Pole Mounted (other) Replacement Programme
EJP061	EHV & 132kV Switchgear (other) Replacement Programme
EJP062	HV Transformer Replacement Programme
EJP063	EHV Transformer Replacement Programme
EJP064	132kV Transformer Replacement Programme
EJP065	LV Cut Outs Replacement Programme
EJP066	LV Services (UG) Replacement and Refurbishment Programme
EJP067	LV Services (OH) Replacement and Refurbishment Programme
EJP068	LV Undereaves Services Replacement
EJP069	Batteries Replacement Programme
EJP070	Raising and Lateral Mains
EJP071	Overhead Line Clearances Programme
EJP072	Tree Management Programme
EJP073	Rugeley 132kV GSP Rebuild Project
EJP074	Upsizing LV Cables
EJP075	Upsizing HV Transformers
EJP076	PowerOn Core IT Server Hardware refresh

EJP Reference	EJP Name
EJP077	PowerOn Application Enhancements
EJP078	Cyber security controls and proactive monitoring (LAN Segregation & Enhancements)
EJP079	Cyber security controls and proactive monitoring (Other NIS Actions)
EJP080	Cyber security controls and proactive monitoring (SCADA Protocol Support)
EJP081	Cyber security controls and proactive monitoring (IPv6 Enablement)
EJP082	Distributed Energy Resource SCADA Monitors
EJP083	LV Geo-schematic Representation in PowerON
EJP084	Technology Refresh of early ANM systems
EJP085	DERMS Hardware
EJP086	ICCP and visibility portal
EJP087	Homogenisation of PowerON
EJP088	Development of Future Network Viewer Forecasting System
EJP089	System Voltage Optimisation Rollout (SVO) SP5
EJP090	Self-Serve Connections & Services Solution
EJP091	Machine Learning Applications and Data Analytic Services
EJP092	Planning State Estimation
EJP093	Low Voltage Connected Data
EJP094	Internal Data Platform
EJP095	Innovation Hub
EJP096	Open Cloud Data Platform
EJP097	Online Work Schedule Viewer
EJP098	Automated Data Mastering Solution
EJP099	Work Scheduling and Management Solution
EJP100	Planning Data for Smart Meters
EJP101	Time Series Data Store (TSDS) Enhancements & Data Historian
EJP102	Strategic Analysis and Investment Planning Software
EJP103	Stability Analysis
EJP104	DFES Data Architecture and Systems
EJP105	System Architecture for Secondary Trading of Flexibility Services
EJP106	Demand Dissagregation, Consumer Behaviour & Flexibility
EJP107	DSR Operation and Dispatch System
EJP108	Hardware for DSO systems
EJP109	LV Monitoring (Open LV)
EJP110	LV Network Monitoring
EJP111	Directional Power Flow at Primary Substations
EJP112	Secondary Reinforcement Programme
EJP113	Shrewsbury GSP Reinforcement
EJP114	Staythorpe GSP Reinforcement
EJP115	Llanfoist GSP

EJP Reference	EJP Name
EJP116	Hirwaun GSP
EJP117	Ferryside GSP
EJP118	Alverdiscott/Indian Queens GSP Group Reinforcement - New GSP and BSP
EJP119	Bustleholm 132kV Fault Level Reinforcement
EJP120	Kitwell 132kV Fault Level Reinforcement
EJP121	Wolverhampton 33kV Switchgear Reinforcement
EJP122	Coventry 132kV Fault level Reinforcement
EJP123	Willington 132kV Fault level Reinforcement
EJP124	Exeter Main GSP 132kV Fault level reinforcement
EJP125	Indian Queens GSP 132kV Fault Level Reinforcement
EJP126	Chipping Sodbury BSP Reinforcement
EJP127	Lea Marston to Elmdon 132kV Circuit Reinforcement
EJP128	Meaford BSP Reinforcement
EJP129	Rugby 33kV Fault level Reinforcement
EJP130	Clipstone 33kV network Reinforcement
EJP131	Northampton Group 132kV Circuit Reinforcement
EJP132	Derby South to Spondon 132kV Circuit Reinforcement
EJP133	Woodbeck 33/11kV Substation Reinforcement
EJP134	Winster BSP Reinforcement
EJP135	Sharnbrook 33/11kV Substation Reinforcement
EJP136	Ilkeston 33/11kV Substation Reinforcement
EJP137	Grassmoor 33/11kV Substation Reinforcement
EJP138	Harbury BSP Reinforcement
EJP139	Whitwell BSP Reinforcement
EJP140	Harbury to Banbury 132kV Circuit
EJP141	Rhos BSP Reinforcement
EJP142	Usk Way 33/11kV Substation
EJP143	Abergavenny 132/66kV Substation Reinforcement
EJP144	Upper Boat - Mountain Ash, Dowlais and Merthyr East 132kV Circuit Reinforcement
EJP145	Llanfyrnach 33/11kV Substation Reinforcement
EJP146	Morwenstow 33/11kV Substation Reinforcement
EJP147	Countess Wear 33/11kV Substation Reinforcement
EJP148	Feeder Road BSP Reinforcement
EJP149	Exeter City BSP Reinforcement
EJP150	Landulph BSP Reinforcement
EJP151	Chewton Mendip 33/11kV Substation Reinforcement
EJP152	Flexibility Procurement
EJP153	ANM Schemes Rollout
EJP154	Fixed Power Quality Monitoring Equipment Installation Programme

EJP Reference	EJP Name
EJP155	Low Frequency Demand Disconnection (LFDD) Optimisation
EJP156	Ludlow to Presteigne 66kV Circuit Reinforcement
EJP157	Stockton 33/11kV Substation Reinforcement
EJP158	Hill Chorlton 33/11kV Substation Reinforcement
EJP159	Ironbridge to Star Aluminium 33kV Circuit Reinforcement
EJP160	Halesowen 132/11kV Reinforcement
EJP161	Sutton Coldfield 132/11kV Reinforcement
EJP162	Shrewsbury Group 33kV Circuit Reinforcement - New Shelton 33/11kV Substation
EJP163	Stowfield to St Weonards Reinforcement
EJP164	Lea Marston to Copt Heath 132kV OH Reinforcement
EJP165	Coseley 132/11kV Substation Reinforcement
EJP166	Ellesmere Avenue 33/11kV Substation Reinforcement
EJP167	West Bridgford 33/11kV Substation Reinforcement
EJP168	Holme Carr 33/11kV Substation Reinforcement
EJP169	Staythorpe to Hawton 132kV Circuit Reinforcement
EJP170	Ratcliffe to Loughborough Tee 132kV Cable Reinforcement
EJP171	Wingerworth 33/11kV Substation Reinforcement
EJP172	Ambergate 33kV Network Reinforcement
EJP173	Northampton BSP Reinforcement
EJP174	Atherstone 33/11kV Substation Reinforcement
EJP175	Holbeach and Long Sutton Reinforcement
EJP176	Cardiff East to Cardiff North BSP Demand Transfer
EJP177	Cardiff North 33kV Network Reinforcement
EJP178	Haverfordwest to Brawdy 33kV Circuit Reinforcement
EJP179	Pembroke 132kV Network Reinforcement
EJP180	Hirwaun to Aberdare No 2 33kV Circuit Reinforcement
EJP181	Establishment of Third 132kV Circuit from Swansea North GSP to Rhos BSP
EJP182	Mid Wales 66kV Circuit Reinforcement (Abergavenny Northern Ring)
EJP183	Ravenhill 33/11kV substation Reinforcement
EJP184	Witheridge 33/11kV Substation Reinforcement
EJP185	Camborne/Hayle BSP Group Reinforcement
EJP186	Gunnislake Primary 33/11kV Substation Reinforcement
EJP187	Mullion 33/11kV Substation Reinforcement
EJP188	St Tudy - Davidstow 33kV Circuit Reinforcement
EJP189	St Mawgan 33/11kV Substation Reinforcement
EJP190	Newquay - Trevemper 33kV circuit
EJP191	Isles of Scilly 2nd 33kV Subsea Cable
EJP192	Hayle BSP Reinforcement
EJP193	Replacement of pre-1958 Pole Mounted Transformers

Supporting EJP Files

Supporting EJP File Name	
EJP044 Supporting File - Asset NARM Data	
EJP045 Supporting File - Asset NARM Data	
EJP046 Supporting File - Asset NARM Data	
EJP047 Supporting File - Asset NARM Data	
EJP048 Supporting File - Asset NARM Data	
EJP050 Supporting File - Asset NARM Data	
EJP051 Supporting File - Asset NARM Data	
EJP052 Supporting File - Asset NARM Data	
EJP053 Supporting File - Asset NARM Data	
EJP054 Supporting File - Asset NARM Data	
EJP055 Supporting File - Asset NARM Data	
EJP056 Supporting File - Asset NARM Data	
EJP057 Supporting File - Asset NARM Data	
EJP058 Supporting File - Asset NARM Data	
EJP059 Supporting File - Asset NARM Data	
EJP062 Supporting File - Asset NARM Data	
EJP063 Supporting File - Asset NARM Data	
EJP064 Supporting File - Asset NARM Data	

Cost Benefit Analysis

CBA reference	CBA Name
CBA001	Replacement of Internal Combustion Engine Vehicles with Pure Electric Vehicles and Charger Installation
CBA002	Mobile Generator Replacement Programme
CBA004	Exeter Depot Refurbishment
CBA005	Torquay Depot Refurbishment
CBA006	Plymouth Depot Refurbishment
CBA007	General Buildings Refurbishment Programme
CBA008	Incorporating Solar PV in our Non-Operational Sites
CBA011	IT New Application software & upgrades
CBA012	IT Desktop Computing
CBA013	Computer Infrastructure (IT)
CBA014	IT Communications - Voice and Data
CBA018	New Fibre Deployment
CBA019	Fibre Refurbishment
CBA020	New Communication Sites for Fibre Network
CBA021	New Radio Communication Sites
CBA022	Communication Tower Replacement & Refurbishment
CBA023	Communication Buildings Replacement & Refurbishment
CBA027	Securing Telecommunication Equipment
CBA028	Communication Site Link Resilience
CBA030	Microwave Upgrade & Replacement
CBA031	DWDM Network Upgrade Programme
CBA032	LTE Network Build & Growth
CBA040	Reducing the risks associated with overhead lines across school playing areas
CBA071	Overhead Line Clearances Programme
CBA072	Tree Management Programme
CBA073	Rugeley 132kV GSP Rebuild Project
CBA074	Upsizing LV Cables
CBA075	Upsizing HV Transformers
CBA076	PowerOn Core IT Server Hardware refresh
CBA077	PowerOn Application Enhancements
CBA078	Cyber security controls and proactive monitoring (LAN Segregation & Enhancements)
CBA079	Cyber security controls and proactive monitoring (Other NIS Actions)
CBA081	Cyber security controls and proactive monitoring (IPv6 Enablement)
CBA082	Distributed Energy Resource SCADA Monitors
CBA083	LV Geo-schematic Representation in PowerON
CBA084	Technology Refresh of early ANM systems
CBA086	ICCP and visibility portal

CBA reference	CBA Name
CBA087	Homogenisation of PowerON
CBA088	Development of Future Network Viewer Forecasting System
CBA089	System Voltage Optimisation Rollout (SVO) SP5
CBA090	Self-Serve Connections & Services Solution
CBA092	Planning State Estimation
CBA093	Low Voltage Connected Data
CBA094	Internal Data Platform
CBA095	Innovation Hub
CBA096	Open Cloud Data Platform
CBA097	Online Work Schedule Viewer
CBA098	Automated Data Mastering Solution
CBA099	Work Scheduling and Management Solution
CBA100	Planning Data for Smart Meters
CBA101	Time Series Data Store (TSDS) Enhancements & Data Historian
CBA102	Strategic Analysis and Investment Planning Software
CBA104	DFES Data Architecture and Systems
CBA105	System Architecture for Secondary Trading of Flexibility Services
CBA106	Demand Dissagregation, Consumer Behaviour & Flexibility
CBA107	DSR Operation and Dispatch System
CBA108	Hardware for DSO systems
CBA109	LV Monitoring (Open LV)
CBA110	LV Network Monitoring
CBA111	Directional Power Flow at Primary Substations
CBA112	Secondary Reinforcement Programme
CBA113	Shrewsbury GSP Reinforcement
CBA114	Staythorpe GSP Reinforcement
CBA115	Llanfoist GSP
CBA116	Hirwaun GSP
CBA117	Ferryside GSP
CBA118	Alverdiscott/Indian Queens GSP Group Reinforcement - New GSP and BSP
CBA120	Kitwell 132kV Fault Level Reinforcement
CBA122	Coventry 132kV Fault level Reinforcement
CBA123	Willington 132kV Fault level Reinforcement
CBA124	Exeter Main GSP 132kV Fault level reinforcement
CBA125	Indian Queens GSP 132kV Fault Level Reinforcement
CBA126	Chipping Sodbury BSP Reinforcement
CBA127	Lea Marston to Elmdon 132kV Circuit Reinforcement
CBA128	Meaford BSP Reinforcement
CBA129	Rugby 33kV Fault level Reinforcement

CBA reference	CBA Name
CBA130	Clipstone 33kV network Reinforcement
CBA131	Northampton Group 132kV Circuit Reinforcement
CBA132	Derby South to Spondon 132kV Circuit Reinforcement
CBA133	Woodbeck 33/11kV Substation Reinforcement
CBA134	Winster BSP Reinforcement
CBA135	Sharnbrook 33/11kV Substation Reinforcement
CBA136	Ilkeston 33/11kV Substation Reinforcement
CBA137	Grassmoor 33/11kV Substation Reinforcement
CBA138	Harbury BSP Reinforcement
CBA139	Whitwell BSP Reinforcement
CBA140	Harbury to Banbury 132kV Circuit
CBA141	Rhos BSP Reinforcement
CBA142	Usk Way 33/11kV Substation
CBA143	Abergavenny 132/66kV Substation Reinforcement
CBA144	Upper Boat - Mountain Ash, Dowlais and Merthyr East 132kV Circuit Reinforcement
CBA145	Llanfyrnach 33/11kV Substation Reinforcement
CBA146	Morwenstow 33/11kV Substation Reinforcement
CBA147	Countess Wear 33/11kV Substation Reinforcement
CBA148	Feeder Road BSP Reinforcement
CBA149	Exeter City BSP Reinforcement
CBA150	Landulph BSP Reinforcement
CBA151	Chewton Mendip 33/11kV Substation Reinforcement
CBA152	Flexibility Procurement
CBA155	Low Frequency Demand Disconnection (LFDD) Optimisation
CBA156	Ludlow to Presteigne 66kV Circuit Reinforcement
CBA157	Stockton 33/11kV Substation Reinforcement
CBA158	Hill Chorlton 33/11kV Substation Reinforcement
CBA159	Ironbridge to Star Aluminium 33kV Circuit Reinforcement
CBA160	Halesowen 132/11kV Reinforcement
CBA161	Sutton Coldfield 132/11kV Reinforcement
CBA162	Shrewsbury Group 33kV Circuit Reinforcement - New Shelton 33/11kV Substation
CBA163	Stowfield to St Weonards Reinforcement
CBA164	Lea Marston to Copt Heath 132kV OH Reinforcement
CBA165	Coseley 132/11kV Substation Reinforcement
CBA166	Ellesmere Avenue 33/11kV Substation Reinforcement
CBA167	West Bridgford 33/11kV Substation Reinforcement
CBA168	Holme Carr 33/11kV Substation Reinforcement
CBA169	Staythorpe to Hawton 132kV Circuit Reinforcement
CBA170	Ratcliffe to Loughborough Tee 132kV Cable Reinforcement

CBA reference	CBA Name
CBA171	Wingerworth 33/11kV Substation Reinforcement
CBA172	Ambergate 33kV Network Reinforcement
CBA173	Northampton BSP Reinforcement
CBA174	Atherstone 33/11kV Substation Reinforcement
CBA175	Holbeach and Long Sutton Reinforcement
CBA176	Cardiff East to Cardiff North BSP Demand Transfer
CBA177	Cardiff North 33kV Network Reinforcement
CBA178	Haverfordwest to Brawdy 33kV Circuit Reinforcement
CBA179	Pembroke 132kV Network Reinforcement
CBA180	Hirwaun to Aberdare No 2 33kV Circuit Reinforcement
CBA181	Establishment of Third 132kV Circuit from Swansea North GSP to Rhos BSP
CBA182	Mid Wales 66kV Circuit Reinforcement (Abergavenny Northern Ring)
CBA183	Ravenhill 33/11kV substation Reinforcement
CBA184	Witheridge 33/11kV Substation Reinforcement
CBA185	Camborne/Hayle BSP Group Reinforcement
CBA187	Mullion 33/11kV Substation Reinforcement
CBA188	St Tudy - Davidstow 33kV Circuit Reinforcement
CBA189	St Mawgan 33/11kV Substation Reinforcement
CBA190	Newquay - Trevemper 33kV circuit
CBA191	Isles of Scilly 2nd 33kV Subsea Cable
CBA192	Hayle BSP Reinforcement
CBA193	Replacement of pre-1958 Pole Mounted Transformers

Financial documents

Document name	Description
BPDT West Midlands	Business Plan Data Tables for our West Midlands Licence Area.
BPDT East Midlands	Business Plan Data Tables for our East Midlands Licence Area.
BPDT South Wales Midlands	Business Plan Data Tables for our South Wales Licence Area.
BPDT South West Midlands	Business Plan Data Tables for our South West Licence Area.
BPDT Commentary	Business Plan Data Tables supporting commentary for all four WPD Licence Areas.
Financial model	Full financial model for all four WPD Licence Areas.

Consumer Value Propositions

CVP name	Description
CVP 01	Ensure WPD is a net zero business by 2028, and adopt a stretching Science Based Target of 1.5 degrees.
CVP 02	Proactively partner with every local authority in our region to help them develop ambitious Local Area Energy Plans.
CVP 03	Establish Community Energy Engineers to support the development and delivery of community-based energy schemes to drive the UK towards net zero.
CVP 04	Build decarbonised communities and local energy schemes by funding solar PV on schools in areas of high economic deprivation.
CVP 05	Offer 1.2 million PSR customers a bespoke smart energy action plan every two years.
CVP 06	Deliver an annual £1 million 'Community Matters' Fund, funded entirely by shareholders, to achieve positive community outcomes in relation to vulnerability, environment and education.



Serving the Midlands, South West and Wales



Western Power Distribution (East Midlands) plc, No2366923 Western Power Distribution (West Midlands) plc, No3600574 Western Power Distribution (South West) plc, No2366894 Western Power Distribution (South Wales) plc, No2366985

Registered in England and Wales Registered Office: Avonbank, Feeder Road, Bristol BS2 0TB

www.westernpower.co.uk













@wpduk