

PR24 Submission

Guide to Reading the Plan

October 2023

Introduction

This document serves as a guide to reading our PR24 submission to Ofwat, as per the requirement from Ofwat. It explains the different categories of documents in the submission, and our referencing system. It also includes the names of the files submitted to Ofwat, and hyperlinks to all of the documents and files on our website.

The categories are

- Main documents
- Supporting documents
- Table commentaries
- Investment and enhancement cases

In addition to these document we have submitted the required data tables and models to Ofwat.

1. Main documents

This category of documents includes the main PR24 Business Plan narrative, the Long Term Delivery Strategy, and various summary and overarching documents required by Ofwat.

Note that the Executive Summary is both included within the main PR24 Business Plan document, and submitted as a separate document for convenience. The content of both is the same. A Welsh translation of the latter is also provided.

Reference	Item	Filename and hyperlink
WSH01	Long Term Delivery Strategy	WSH01-Long Term Delivery Strategy.pdf
WSH02	PR24 Business Plan: Executive Summary	WSH02-Executive Summary.pdf
WSH03	PR24 Business Plan	WSH03-PR24 Business Plan Document.pdf
WSH04	Board Assurance Statement	WSH04-Assurance Statement.pdf
WSH05	Bill Waterfall Model Commentary	WSH05-Bill Waterfall Model.pdf
WSH06	PR24 Documents guide and hyperlinks	WSH06-BP Documents Guide and hyperlinks.pdf
WSH07	QAA signposting document	WSH07-QAA signposting document.pdf
WSH08	Crynodeb Gweithredol (Exec Summary translation)	WSH08-Crynodeb Gweithredol (Exec Summary translation).pdf

2. Supporting documents

This section contains various supporting documents that provide additional information and evidence to support the main Business Plan document.

Note that the Customer engagement and research document includes an Appendix with a link to all of the research reports on our website. The report of the Independent Challenge Group is a separate document.

Reference	Item	Filename and hyperlink
WSH30	Customer engagement and research report	WSH30-Customer engagement and research.pdf
WSH31	ODI rates proposals	WSH31-ODI rates.pdf

WSH32	Ofwat indicative ODI rates feedback (Economic Insight report)	WSH32-Ofwat indicative ODI rates feedback (Economic Insight report).pdf
WSH33	Independent Challenge Group Report	WSH33-Independent Challenge Group Report.pdf
WSH34	Assessing our Plan for Direct Procurement for Customers (DPC)	WSH34-IP01 - Assessing our Plan for Direct Procurement for Customers (DPC) Opportunities.pdf
WSH35	Resilience and Security	WSH35-CS00 - Resilience and Security.pdf
WSH36	Water and bioresources bid assessment framework	WSH36-Water and bioresources bid assessment framework.pdf
WSH37	Bioresources strategy	WSH37-Bioresources strategy.pdf
WSH38	PR24 Forum Strategic Steers and company response	WSH38-Response to PR24 Forum Strategic Steers.pdf
WSH40	Storm Overflows Strategy	WSH40-Storm Overflows strategy.pdf
WSH41	Assessment of real price effects in AMP8 (Oxera report)	WSH41-Oxera An assessment of real price effects in AMP8.pdf
WSH42	Frontier Shift at PR24 (Economic Insight report)	WSH42-Frontier Shift at PR24 report by EI.pdf
WSH43	Econometric modelling of sewer flooding performance (Oxera report)	WSH43-Oxera Econometric modelling of sewer flooding performance.pdf

3. Table commentaries

This section contains one document containing commentaries for each of the 12 sets of PR24 data tables.

WSH15 includes a section for each of the Performance Commitments explaining our approach to ‘performance from base’ and target setting. It also includes an Appendix with the proposed definition for our bespoke ‘CSO harm’ Performance Commitment.

WSH16 includes a description of the financing and financeability of our plan.

WSH25 commentary on SUM tables also contains an 800-word ‘whole business plan’ summary as requested by Ofwat.

Reference	Item	Filename and hyperlink
WSH15	Outcomes OUT1-OUT10	WSH15-Outcomes OUT1-OUT10.pdf
WSH16	Risk & Return RR1-RR30	WSH16-Risk & Return RR1-RR30.pdf
WSH17	Costs Wholesale water CW1-CW21	WSH17-Costs Wholesale water CW1-CW21.pdf
WSH18	Costs Wholesale wastewater CWW1-CWW22	WSH18-Costs Wholesale wastewater CWW1-CWW22.pdf
WSH19	Water resources RES1	WSH19-Water resources RES1.pdf
WSH20	Bioresources BIO1-BIO6	WSH20-Bioresources BIO1-BIO6.pdf
WSH21	Retail RET1-RET4	WSH21-Retail RET1-RET4.pdf
WSH22	Developer services DS1w-DS6	WSH22-Developer services DS1w-DS6.pdf
WSH23	Long-term strategies LS1-LS7	WSH23-Long-term strategies LS1-LS7.pdf
WSH24	Supplementary tables SUP1A-SUP15	WSH24-Supplementary tables SUP1A-SUP15.pdf
WSH25	Summary tables SUM1-SUM4	WSH25-Summary tables SUM1-SUM4.pdf
WSH26	Past delivery PD1-PD12	WSH26-Past delivery PD1-PD12.pdf

4. Investment and enhancement cases

This section contains all of the business cases for enhancement investment included in our plan. Each case is structured around Ofwat’s assessment criteria for enhancement, as set out in the Final Methodology, Appendix 9.

We also include three ‘overarching’ investment cases, for water quality (WSH51), water supply (WSH56), and environment (WSH63), which provide an overview of the enhancement cases grouped within each area, provide some context, and help make the links between the various cases. For example, we provide separate enhancement cases for addressing raw water quality deterioration in catchments, enhancing treatment at water treatment works, and upgrading our water network, but all three interventions have been selected as an optimum ‘package’ for helping to improve tap water quality.

WSH50 provides a description of our overall approach to investment planning, and explains how the investment plan as a whole has been prepared.

Reference	Item	Filename and hyperlink
WSH50	Our Approach to Investment Planning	WSH50-IP00 - Our Approach to Investment Planning.pdf
WSH51	CW00 - Safe and High-Quality Tap Water	WSH51-CW00 - Safe and High-Quality Tap Water.pdf
WSH52	CW04 - Working towards a Lead-Free Wales	WSH52-CW04 - Working towards a Lead-Free Wales.pdf
WSH53	CW01 - Improving Raw Water Quality in Drinking Water Catchments through Green Solutions	WSH53-CW01 - Improving Raw Water Quality in Drinking Water Catchments through Green Solutions.pdf
WSH54	CW02 - Improving Acceptability of Tap Water - Networks	WSH54-CW02 - Improving Acceptability of Tap Water - Networks.pdf
WSH55	CW03 - Improving Quality of Tap Water - Treatment Works	WSH55-CW03 - Improving Quality of Tap Water - Treatment Works.pdf
WSH56	RS00 - A Reliable Water Supply for the Short and Long Term	WSH56-RS00 - A Reliable Water Supply for the Short and Long Term.pdf
WSH57	CS01 - Increasing Physical and Cyber Security	WSH57-CS01 - Increasing Physical and Cyber Security.pdf
WSH58	RS02 - Reducing Drought Risks and Improving Customer Visibility of Usage for PCC Management	WSH58-RS02 - Reducing Drought Risks and Improving Customer Visibility of Usage for PCC Management.pdf
WSH59	RS03 - Increasing Safety of Impounding Reservoirs	WSH59-RS03 - Increasing Safety of Impounding Reservoirs.pdf
WSH60	RS04 - Increasing Resilience of Tap Water Supply - Network Capacity and Connectivity	WSH60-RS04 - Increasing Resilience of Tap Water Supply - Network Capacity and Connectivity.pdf

WSH61	RS05 - Increasing Resilience of Tap Water Supply - Treatment Works	WSH61-RS05 - Increasing Resilience of Tap Water Supply - Treatment Works.pdf
WSH62	RS01 - Increasing Resilience of Tap Water Supply - Asbestos Cement Mains	WSH62-RS01 - Increasing Resilience of Tap Water Supply - Asbestos Cement Mains.pdf
WSH63	PE00 - Protecting and Improving the Environment	WSH63-PE00 - Protecting and Improving the Environment.pdf
WSH64	PE02 - Protecting Multiple Adjoining SSSIs near the SECS Main	WSH64-PE02 - Protecting Multiple Adjoining SSSIs near the SECS Main.pdf
WSH65	PE09 - Increasing Storage and Treatment Capacity and Disposal Options for Biosolids to Deliver Legal Drivers	WSH65-PE09 - Increasing Storage and Treatment Capacity and Disposal Options for Biosolids to Deliver Legal Drivers.pdf
WSH66	PE11 - Improving our Frontier Performance on Net Zero Carbon	WSH66-PE11 - Improving our Frontier Performance on Net Zero Carbon.pdf
WSH67	PE04 - Addressing Disproportionate Risk to Customers from Sewer Flooding	WSH67-PE04 - Addressing Disproportionate Risk to Customers from Sewer Flooding.pdf
WSH68	PE05 - Removing Phosphorus and Sanitary Determinands to Improve River Water Quality	WSH68-PE05 - Removing Phosphorus and Sanitary Determinands to Improve River Water Quality.pdf
WSH69	PE06 - Increasing Wastewater Treatment Capacity and Stormwater Storage for Peak Flows	WSH69-PE06 -Increasing Wastewater Treatment Capacity and Stormwater Storage for Peak Flows.pdf
WSH70	PE01 - Minimising Environmental Harm from Storm Overflows	WSH70-PE01 - Minimising Environmental Harm from Storm Overflows.pdf
WSH71	PE10 - Enhancing the Environment through WINEP and NEP Investigations and Programmes	WSH71-PE10 - Enhancing the Environment through WINEP and NEP Investigations and Programmes.pdf
WSH72	PE07 - Avoiding a High-Consequence Event at Laugharne Wastewater Treatment Works	WSH72-PE07 - Avoiding a High-Consequence Event at Laugharne Wastewater Treatment Works.pdf
WSH73	PE08 - Reducing Levels of Odour in the Environment	WSH73-PE08 - Reducing Levels of Odour in the Environment.pdf
WSH74	PE03 - Reducing Risks of Serious Pollution Incidents	WSH74-PE03 - Reducing Risks of Serious Pollution Incidents.pdf

Appendix – Excel files

This section contains all of the excel files submitted to Ofwat on October 2, 2023 and available on our website <https://corporate.dwrcymru.com/en/library/pr24-reports>.

There are two types of excel file:

- i. Completed Ofwat models (See Table A-1); and
- ii. Data tables (See Table A-2)

Table A-1 – Ofwat models

Reference	Item	Filename and hyperlink
WSH102	PR24-Financial Model-v21a	WSH102-PR24-financial-model-v21a.xlsx
WSH103	PR24-Bill-Waterfall-Model-v3	WSH103-PR24-Bill-Waterfall-Model-v3.xlsx
WSH104	Financial-model_WSH_FD-Capital-allowance-update	WSH104-Financial-model_WSH_FD-Capital-allowance-update.xlsx
WSH105	Developer-services-reconciliation-model-Dec-2020-v2.0	WSH105-Developer-services-reconciliation-model-Dec-2020-v2.0.xlsx
WSH106	Residential-Retail-Reconciliation-Model-Dec-2020-v2.0	WSH106-Residential-Retail-Reconciliation-Model-Dec-2020-v2.0.xlsx
WSH107	Business Retail Compliance with Controls	WSH107-Business Retail Compliance with Controls.xlsx
WSH108	WSH_NEP_WINEP-Reconciliation-Model-Dec-2020-v1n	WSH108-NEP_WINEP-Reconciliation-Model-Dec-2020-v1n.xlsm
WSH109	Cost-sharing-total-costs-Reconciliation-v4e (IN 2303 Early Submission) July 23 WSH	WSH109-Cost-sharing-total-costs-Reconciliation-v4e (IN 2303 Early Submission) July 23 WSH.xlsm
WSH110	RPI-CPIH-wedge-true-up-model-Dec-2020-v5	WSH110-RPI-CPIH-wedge-true-up-model-Dec-2020-v5.xlsx
WSH111	Cost-of-new-debt-indexation-model-Dec-2020-v6.3	WSH111-Cost-of-new-debt-indexation-model-Dec-2020-v6.3.xlsm
WSH112	Tax-reconciliation-tool-Dec-2020-v3b	WSH112-Tax-reconciliation-tool-Dec-2020-v3b.xlsx
WSH113-24	2023-24-For-Business-Plan-use_PR19IPD01_ODI-performance-model-v1.11	WSH113-24-2023-24-For-Business-Plan-use_PR19IPD01_ODI-performance-model-v1.11.xlsx
WSH113-25	2024-25-For-Business-Plan-use_PR19IPD01_ODI-performance-model-v1.11	WSH113-25-2024-25-For-Business-Plan-use_PR19IPD01_ODI-performance-model-v1.11.xlsx
WSH114	PR19IPD04-in-period-adjustments-model-v1.4b	WSH114-PR19IPD04-in-period-adjustments-model-v1.4b.xlsx
WSH115	RFI-model-Apr-2023-v1.0a	WSH115-RFI-model-Apr-2023-v1.0a.xlsx
WSH116	Bioresources-Revenue-Reconciliation-Model-Dec-2020-v2.0 (IN2303 Early Submission) July 23 WSH	WSH116-Bioresources-Revenue-Reconciliation-Model-Dec-2020-v2.0 (IN2303 Early Submission) July 23 WSH.xlsx
WSH117	PR24-RCV-adjustments-feeder-model-v2.0	WSH117-PR24-RCV-adjustments-feeder-model-v2.0.xlsx
WSH118	PR24-Revenue-adjustments-feeder-model-v2.0	WSH118-PR24-Revenue-adjustments-feeder-model-v2.0.xlsx
WSH119	Land-sales-model-Dec-2020-v3.0	WSH119-Land-sales-model-Dec-2020-v3.0.xlsx

Reference	Item	Filename and hyperlink
WSH120	RoRE-chart-tool-v1.0	WSH120-RoRE-chart-tool-v1.0.xlsx
WSH121	LTDS bill impacts	WSH121-LTDS Bill Impacts.xlsx
WSH123	ODI Rates Calculation Model	WSH123-ODI Rates Calculation Model.xlsx
WSH124	WINEP-Reconciliation-Model-Dec-2020-v1n	WSH124-WINEP-Reconciliation-Model-Dec-2020-v1n.xlsm
WSH125	Gearing-Outperformance-Sharing-Mechanism-Mar-2023-v5	WSH125-Gearing-Outperformance-Sharing-Mechanism-Mar-2023-v5.xlsm

Table A-2 – Data tables

Reference	Item	Filename and hyperlink
WSH101	PR24-BP-tables-V6-Publish	WSH101-PR24-BP-tables-V6-Publish.xlsx
WSH201	Additional BP Tables	WSH201-Additional BP Tables.xlsx
WSH301	Supplementary cohort tables (CW20)	WSH301-Supplementary cohort tables (CW20).xlsx
WSH302	Supplementary cohort tables (CWW21)	WSH302-Supplementary cohort tables (CWW21).xlsx
WSH401	Appendix-3-IN2305-Further-guidance-on-price-control-deliverables-for-PR24	WSH401-Appendix-3-IN2305-Further-guidance-on-price-control-deliverables-for-PR24.xlsx
WSH402	IN2305 Appendix 3 Commentary	WSH402-IN2305 Appendix 3 Commentary.pdf

Note

WSH201 is a spreadsheet of additional PR24 Business Plan tables published alongside WSH101. The spreadsheet includes:

- i. Four cost tables, <CW2b> & <CWW2b> (Copies of tables CW2 & CWW2) and <CW3b> & <CWW3b> (copies of CW3 & CWW3), completed with costs that are post frontier shift and post real price effects. They have been included in the submission as additional tables as they are the costs that have informed the business plan and are, therefore, the costs contained in the commentaries and investment cases. Commentary on the completion of these tables is included in the two commentary documents WSH17 and WSH18:
- ii. Tables to complement our bespoke ‘CSO harm’ Performance Commitment described in the Appendix to WSH15.
 - <OUT1 Bespoke>, <OUT2 Bespoke>, <OUT3 Bespoke>, <OUT5 Bespoke> and <OUT7 Bespoke> - These tables replicate OUT1, OUT2, OUT3, OUT5 and OUT7 of the main business plan tables;
 - <LS1 Bespoke> and <LS2 Bespoke> - These tables replicate LS1 and LS2 of the main business plan tables.