

Introduction

These DWMP tables should be produced and published by companies alongside the final DWMPs (between end-March and end-May 2023). They are intended to represent the overall performance and associated interventions and outputs that the DWMP process has identified as being required. They should reflect the activities required to address the risks identified through the DWMP planning process. These tables will contribute to the evidence required in your PR24 business plans. Where there are differences between data presented here and the data to be provided in business plans, companies are expected to explain the differences within their business plan submission and re-submit these tables with their business plan. Where data cannot be provided, this must be clearly indicated and supported with an explanation either next to the table itself or in the supporting table commentary.

- Green cells are to be completed for final DWMP data
- Yellow cells are optional but recommended for final DWMP
- Blue cells are calculated cells

Accompanying data table commentary should be published as a separate document alongside the tables to explain any calculation methods, assumptions, data confidence or justification for data gaps, and to signpost where these data are discussed in the DWMP documentation.

Data Tab 1: Outcomes

Data should be input across the 25 year planning horizon:

- Yearly actuals should be provided for Yr 5 of AMP7 (2024/25), AMP8 and AMP9.
- End of AMP total figures should be calculated or provided for all AMPs

The tab should be completed with data from the preferred programme. The tab can be duplicated and renamed (Outcomes - Scenario B, C, D etc.) to capture data for different scenarios (e.g. driven by the range of climate change scenarios). The data tables commentary should explain the drivers and assumptions behind any alternative scenarios.

Data Tab 2: Expenditure

Data should be input across the 25 year planning horizon:

- Yearly figures should be provided for AMP8 and AMP9.
- End of AMP totals should be calculated or provided for all AMPs

The tab should be completed with data from the preferred programme. The tab can be duplicated and renamed (Expenditure - Scenario B, C, D etc) to capture data for different scenarios, as required.

Data Tab 3: Adaptive plans

Data should be input per AMP for AMPs 8 to 12:

- All cells are to be completed (where applicable) for final DWMP data

Adaptive plans show what activities will be dependent on certain circumstances and what interventions might be required over time if conditions change.

This tab should be completed with costs and descriptions for the adaptive plan at whole DWMP level (L1) and for component parts of the plan (e.g. individual outcomes). The core pathway should represent costs to meet low, but likely, scenarios and low regret investment choices. The preferred pathway should be presented where different to the core pathway. Other alternative pathway costs can also be represented where certain triggers or decision points are met, resulting in a different course of action for the plan. See the Line definitions tab for further explanation.

Key for data tabs

- Cell to be completed as part of final DWMP
- Optional but recommended as part of final DMWP
- Calculated cells

Revisions to tables		Changes
v1	Original submission 27/10/22	-
	Minor amendments and clarifications	<ul style="list-style-type: none"> - Minor edit to Line definition tab to correct Expenditure tab reference in cell E2 - Correction to table numbering in Expenditure tab. - Correction to the planning objective delivered benefits lines for pollution incidents in Expenditure tab (rows 30, 62 and 82) . Should read "Reduced number of category 1-3 pollution incidents". - Clarification that Table 8 - Partnership schemes in Expenditure tab should be completed as fully as possible. Where information cannot be provided at this stage, companies must clearly indicate which cells are affected and explain why data are not available for publication, with commentary provided underneath the Partnership table and in the table commentary document. - Addition of 'Names / details of partners' column in Table 8 - Partnership schemes in Expenditure tab. - Reinstatement of sewer collapses in planning objective delivered benefits lines in Expenditure tab (rows 37, 69 and 91) - clarification of line definitions for planning objective delivered benefits in Expenditure tab. Benefits delivered are a result of the interventions described above that block.
v2		
	Minor amendments and clarifications	<ul style="list-style-type: none"> - Line definition (cell c5) for 'baseline' as used in the Outcomes tab has been revised to remove the word 'hydraulic', acknowledging that there are a range of models that could be used. - Line definition (cell c7) for 'enhancement' as used in the Outcomes tab has been revised to clarify that forecast enhancement expenditure is for schemes identified through the DWMP process only. - Clarification provided on Cover sheet that these fDWMP data tables and supporting table commentary are to be published alongside companies' DWMPs.
v3		

Line Definitions for Outcomes (Table 1)

Block number	Outcome	Definitions
All	Baseline	Baseline values using validated models representing the current situation and network performance. It should represent the companies best estimate of how this baseline value may change over time, but for simplicity could have a stable profile from year one.
All	Base	Base expenditure is routine, year-on-year expenditure, which companies incur in the normal running of their businesses to provide a base level of service to customers and includes expenditure to maintain the long-term capability of assets, as well as expenditure to improve efficiency. It may also include the 'betterment' costs of replacing life-expired assets with modern equivalent assets which comply with legally required minimum standards which are higher than those they replace. Companies should re-base their expenditure each AMP to take account of the new base level of service which they are now providing to customers as a consequence of the enhancement expenditure in the prior AMP. Base funded performance reflects the service level expected to be delivered from this funding and associated activities. It is expected that the DWMP practitioners will liaise with the company regulatory teams to forecast the improvement provided by base funding via efficiencies and general asset maintenance.
All	Enhancement	Enhancement expenditure is for DWMP-related / identified needs where there is a permanent increase or step change in the current level of service to a new 'base' level and/or the provision to new customers of the current service. Enhancement funding can be for environmental improvements required to meet new statutory obligations, improving service quality and resilience, and providing new solutions for water provision in drought conditions. Enhancement funding is not appropriate for catching up to expected base service performance levels and this will be considered to be delivered through base funding. Enhancement funding is normally presented against the driver or activity for which it is being requested (e.g. delivery of additional storage in the network).
All	Cost	Total enhancement expenditure (costs above base funding) required to deliver the outcomes, broken down in to capex, opex and totex.
All	All	We expect companies to make improvements across metrics over time from base expenditure allowances. Forecast improvements should take into account expected future improvements in maintenance approaches and historical improvements seen across companies. Final year of AMP costs and total AMP costs have been set as required for STW Compliance, Risk of Sewer Flooding, Storm Overflows and Internal Sewer flooding. While both values are set as required, we ask that at least one of these values are provided. For example, STW Compliance Baseline for AMP6, either cell P18 or Q18 should be returned dependant on what data is available. If both values are available, please submit both.
1	Pollution incidents	The total number of pollution incidents (categories 1 to 3) per 10,000km of sewer length for which the company is responsible in a calendar year. We are not expecting enhancement expenditure specifically targeted at the reduction in pollution incidents as we expect improvements to be made through base allowances. However, we are keen to understand the impact of wider enhancements on the level of pollution incidents. Any enhancement expenditure included here should reflect enhancement undertaken for other purposes where expenditure has been apportioned to pollution incidents due to wider beneficial impacts.
2	Compliance at wastewater treatment works	Treatment works compliance is defined in the reporting guidance: Environment Agency water and sewerage company Environmental Performance Assessment (EPA) methodology (version 9) for 2021 to 2025. https://www.ofwat.gov.uk/publication/environment-agency-water-and-sewerage-company-environmental-performance-assessment-epa-methodology-version-9-for-2021-to-2025 The discharge permit compliance metric is reported as the number of failing sites (out of the total number of discharges) and not the number of failing discharges. We are expecting water companies to comply with their current permit levels through existing expenditure allowances. Enhancement expenditure for this activity should first take account of the impact of growth at sewage treatment works on future levels of compliance.
3	Risk of sewer flooding in a 1 in 50 storm	The performance commitment risk of sewer flooding in a storm is defined in the reporting guidance – risk of sewer flooding in a storm, published on 4 April 2019: https://www.ofwat.gov.uk/publication/reporting-guidance-risk-of-sewer-flooding-in-a-storm/ . This measure will record the percentage of the region's population at risk from internal hydraulic flooding from a 1 in 50-year storm, based on modelled predictions. We expect companies to make improvements over time from base expenditure allowances. Enhancement expenditure for this activity should first take account of the impact of specific expenditure to reduce sewer flooding as well as the impact of additional storage capacity and reductions in surface water entering the wastewater network.
4	Storm overflows - more than 10 spills per year	We expect companies to make improvements over time from base expenditure allowances. Enhancement expenditure for this activity should first take account of the impact of additional storage capacity and reductions in surface water entering the wastewater network.
5	Storm overflows - ecological harm (high priority sites)	We expect companies to make improvements over time from base expenditure allowances. Enhancement expenditure for this activity should first take account of the impact of additional storage capacity and reductions in surface water entering the wastewater network.
6	Storm overflows - ecological harm (all sites)	We expect companies to make improvements over time from base expenditure allowances. Enhancement expenditure for this activity should first take account of the impact of additional storage capacity and reductions in surface water entering the wastewater network.
7	Storm overflows - designated bathing waters	We expect companies to make improvements over time from base expenditure allowances. Enhancement expenditure for this activity should first take account of the impact of additional storage capacity and reductions in surface water entering the wastewater network.
8	Sewer collapses	Sewer collapses is defined in the reporting guidance - sewer collapses per 1000km (updated), published on 4 April 2019: https://www.ofwat.gov.uk/publication/reporting-guidancesewer-collapses-per-1000km/ . Number of sewer collapses per 1000 kilometres of all sewers causing an impact on service to customers or the environment. We expect companies to make improvements over time from base expenditure allowances and therefore request only baseline / base data.
9	Internal sewer flooding	The internal sewer flooding measure is defined in the reporting guidance for PR19 – Sewer Flooding, updated on 28 April 2018: https://www.ofwat.gov.uk/publication/reporting-guidancesewer-flooding/ . The measure is calculated as the number of internal sewer flooding incidents normalised per 10,000 sewer connections including sewer flooding due to severe weather events. The definitive service levels are those expressed as the values normalised per 10,000 sewer connections. We expect companies to make improvements over time from base expenditure allowances. Enhancement expenditure for this activity should first take account of the impact of specific expenditure to reduce sewer flooding as well as the impact of additional storage capacity and reductions in surface water entering the wastewater network. Note - at PR19 this expenditure was included in our base cost models because it shares similar characteristics with base costs (operating expenditure and capital maintenance). Notably, companies experience these costs on a year-on-year basis. This approach also mitigated for known reporting differences between base costs and sewer flooding risk reduction enhancement expenditure.
10	Screening storm overflows	The screening data in the Outcomes tab is to capture the requirements to meet the storm overflow discharge reduction plan target and identify which will be delivered through base or enhancement. We expect companies to make improvements over time from base expenditure allowances, except where screening is not currently a statutory requirement. Where an overflow does not meet its current permitted screening requirement, the provision of the screen is expected to be delivered through base funding. Note - the data required for these screens lines are not the same as the data requested on screens in the Expenditure tab. While the Outcomes tab is seeking to understand the base / enhancement split for meeting the SODRP screening requirements (with costs for enhancement schemes only), the Expenditure tab is asking for data that explains the types of schemes required to meet the SODRP requirements (i.e. new or replacement) and the total costs to do this regardless of whether it is base or enhancement.
11 to 16	Bespoke planning objectives	As defined by the company. Driver and cost data to be provided.

Line Definitions for Expenditure (Table 2)

Where applicable, line definitions for Table 2 are provided next to each item in '2. Expenditure', column V

Line definitions for Adaptive planning (Table 3)

(further guidance on adaptive planning requirements can be found in our final Long-term delivery strategy document (April 2022).

[PR24-and-beyond-Final-guidance-on-long-term-delivery-strategies_Pr24.pdf \(ofwat.gov.uk\)](https://www.ofwat.gov.uk/publication/pr24-and-beyond-final-guidance-on-long-term-delivery-strategies-pr24.pdf)

Adaptive plan table criteria	Definitions
AP0 - Whole DWMP plan	This is the adaptive plan and alternative pathways for the complete (L1) company DWMP. The core pathway is the no / low regrets plan that includes all activities that need to be undertaken to be ready for all plausible future scenarios and the alternative pathways describe how investment requirements may need to change over time. As the alternative pathways will usually be followed under more adverse scenarios, the additional or alternative activities may be described as 'higher-regret', relative to investments included in the core pathway. This block should include the total DWMP totex per AMP required to deliver improvements in performance from base expenditure and any additional enhancement expenditure representing the whole final DWMP. The 'Description of differences between pathways, including trigger and decision points' column should be completed to provide the narrative for triggering an alternative pathway (such a specific climate change or growth scenario).
AP1 - Adaptive Plan components 1, 2 & 3	These blocks should describe the adaptive plan and alternative pathways for component parts (e.g. individual outcomes) of your final DWMP. The core pathway is the no / low regrets plan that includes all activities that need to be undertaken to be ready for all plausible future scenarios and the alternative pathways describe how investment requirements may need to change over time. As the alternative pathways will usually be followed under more adverse scenarios, the additional or alternative activities may be described as 'higher-regret', relative to investments included in the core pathway. These blocks should include the totex required to deliver improvements in performance of individual components of your final DWMP (outcomes) from base expenditure and any additional enhancement expenditure representing the whole final DWMP. The 'Description of differences between pathways, including trigger and decision points' column should be completed to provide the narrative for triggering an alternative pathway (such a specific climate change or growth scenario).

Outcomes summary - scenario A

Notes: This table provides a summary of your DWMP in terms of what outcomes or benefits will be delivered by the interventions... Details of your bespoke outcomes / planning objectives should be entered from row 72 onwards.

Legend table with 3 rows: Cell to be completed as part of final DWMP, Optional but recommended as part of final DWMP, Calculated cells.

Scenario overview: To provide overview of planning assumptions the scenario is based upon.

Scenario 1: 2066

Main data table with columns for Outcome, Description, Unit, Forecast 2024-25, and years 2025-26 to 2034-35. Includes sub-headers for AMP7, AMP8, AMP9, AMP10, AMP11, AMP12 and Total 25 yr. Rows include categories like Pollution incidents, Compliance at WWTWs, Risk of Sewer Flooding, Storm overflows, and Sewer collapses.

Bespoke Planning Objectives (complete as required)

Reduction in GHG emissions
Table detailing impact of interventions on Reduction in GHG emissions

5	Reduction in OPERATIONAL GHG emissions	Description	Units	2025-26	2026-27	2027-28	2028-29	2029-30	Total AMP8 (2025-2030)	2030-31	2031-32	2032-33	2033-34	2034-35	AMP9 (2030-35)	AMP10 (2035-40)	AMP11 (2040-45)	AMP12 (2045-50)	Total 25 yr	Additional Line Definitions
		Total operational GHG emissions	1CO2/e	0.00	0.00	0.00	0.00	202040.60	-202040.60	0.00	0.00	0.00	0.00	51344416.36	-51344416.36	65476126.50	419720.59	118356854.63	-235699158.68	Total forecast reduction in operational GHG emissions compared to the baseline (2020)

Significant DWMP and PR24 schemes
Table to record details of any significant cost / scale schemes that will be required to meet long term planning objectives, in particular significant schemes likely to be required in PR24. There is no minimum value; these should be the schemes that the company considers to be material to the overall plan.

7	Individual Scheme title	Scheme description	Benefits to be delivered (text)	Benefits to be delivered (£m)	Estimated total expenditure (£m)	Delivery date (YYYY)	Primary Planning objective category	Additional planning objective category	Further information
1									
2									
3									
4									
5									
6									
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8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

Add extra rows as required

Key partnership schemes
Table to record details of individual key partnership schemes that are likely to be progressed to deliver against long-term planning objectives. Values are based on the ambition for the planning horizon for partnership working. Where partnership details cannot be provided, this must be clearly indicated and supported with a clear explanation (either entered below this table or in separate commentary).

8	Individual Scheme title	Type of Scheme	If 'Other', please specify	Names / details of partner(s)	AMP8		AMP9		AMP10		AMP11		AMP12		List
					Company Input (£)	Partnership Input (£)	Company Input (£)	Partnership Input (£)	Company Input (£)	Partnership Input (£)	Company Input (£)	Partnership Input (£)			
1	SUDS for schools	S. SUDS		Local councils		28	28	35.5	35.5	31.5	31.5	32.5	32.5	1. Storage	
2	SUDS for public spaces	S. SUDS		Local councils		17	17	18.5	18.5	17.5	17.5	16.5	16.5	2. Surface water separation	
3														3. WwTW capacity	
4														4. Schemes at Storm Overflows	
5														5. SUDS	
6														6. Other interventions (please specify)	
7															
8															
9															
10															
11															
12															
13															
14															
15															
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19															
20															
21															

Add extra rows as required

Cell to be completed as part of final DWMP
Optional but recommended as part of final DWMP
Calculated cells

Adaptive Plans

Table to record components of adaptive planning
 Each component block below should represent a different DWMP outcome

Scenario overview
 To provide overview of planning assumptions the scenario is based upon.

<<Free text box to summarise what scenario assumptions the tables are based on. For example, "Best Value Plan", "Least Cost Plan", "Lowest Carbon Plan" etc with details of climate change/growth/creep assumptions>>

AP0	Adaptive Plan - Whole DWMP Plan		AMP8	AMP9	AMP10	AMP11	AMP12	
	Company L1 adaptive plan and alternative pathways	Metric (totex)	2025-2030	2030-35	2035-40	2040-45	2045-50	Description of differences between pathways, including trigger and decision points
	Core pathway	Em						
	Preferred plan (if different to core)	Em	49.47	68.35	120.70	124.38	1,051.28	
	AP1 - Alternative pathway 1	Em						
	AP2 - Alternative pathway 2	Em						
	AP3 - Alternative pathway 3	Em						
	AP4 - Alternative pathway 4	Em						
	AP5 - Alternative pathway 5	Em						
	AP6 - Alternative pathway 6	Em						
	AP7 - Alternative pathway 7	Em						
	AP8 - Alternative pathway 8	Em						
	AP9 - Alternative pathway 9	Em						

AP1	Adaptive Plan Component 1		AMP8	AMP9	AMP10	AMP11	AMP12	
	Addressing harm from Storm Overflows	Metric (totex)	2025-2030	2030-35	2035-40	2040-45	2045-50	Description of differences between pathways, including trigger and decision points
	Core pathway	Em						
	Preferred plan (if different to core)	Em		24.48	48.14	49.37	842.77	
	AP1 - Alternative pathway 1	Em						
	AP2 - Alternative pathway 2	Em						
	AP3 - Alternative pathway 3	Em						
	AP4 - Alternative pathway 4	Em						
	AP5 - Alternative pathway 5	Em						
	AP6 - Alternative pathway 6	Em						
	AP7 - Alternative pathway 7	Em						
	AP8 - Alternative pathway 8	Em						
	AP9 - Alternative pathway 9	Em						

AP2	Adaptive Plan Component 2		AMP8	AMP9	AMP10	AMP11	AMP12	
	Reducing the risk of flooding in a 1 in 50 year storm	Metric (totex)	2025-2030	2030-35	2035-40	2040-45	2045-50	Description of differences between pathways, including trigger and decision points
	Core pathway	Em						
	Preferred plan (if different to core)	Em	6.00					
	AP1 - Alternative pathway 1	Em						
	AP2 - Alternative pathway 2	Em						
	AP3 - Alternative pathway 3	Em						
	AP4 - Alternative pathway 4	Em						
	AP5 - Alternative pathway 5	Em						
	AP6 - Alternative pathway 6	Em						
	AP7 - Alternative pathway 7	Em						
	AP8 - Alternative pathway 8	Em						
	AP9 - Alternative pathway 9	Em						

AP3	Adaptive Plan Component 3		AMP8	AMP9	AMP10	AMP11	AMP12	
	Wastewater treatment works capacity improvements / growth	Metric (totex)	2025-2030	2030-35	2035-40	2040-45	2045-50	Description of differences between pathways, including trigger and decision points
	Core pathway	Em						
	Preferred plan (if different to core)	Em	0.00	5.31	0.00	0.30	0.00	
	AP1 - Alternative pathway 1	Em						
	AP2 - Alternative pathway 2	Em						
	AP3 - Alternative pathway 3	Em						
	AP4 - Alternative pathway 4	Em						
	AP5 - Alternative pathway 5	Em						
	AP6 - Alternative pathway 6	Em						
	AP7 - Alternative pathway 7	Em						
	AP8 - Alternative pathway 8	Em						
	AP9 - Alternative pathway 9	Em						