

Performance against WAMC Output Measures Repo **2022-23 Reporting**

Activity	Agency	Output Measure number	Measures and Indicators	Output measure data - Progress for 2022-23	Status	Agency assessment and comment - Is the Output Measure on-track to be met within the determination period (2021-25) - Has the performance indicator target been met for 2022-23 - Is there any additional information explaining the result?
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W01-01 Surface water quantity monitoring The provision of a surface water quantity monitoring system; including design, station calibration, data collection, processing, encoding, quality assurance and archiving from the networks of water monitoring stations; the delivery of near real time height and/or flow data from all telemetered sites to the corporate database; and the maintenance and operation of surface water monitoring stations.	WNSW	OM1	OM1 Number of water monitoring sites: Forecast = 437	OM1 Data 422 SW sites monitored in the 2022-23	Status On track	OM1 Comment Some sites not accessible due to high flow events and wet weather access in the first half of the reporting year.																																																													
			Performance Indicator Sites in acceptable condition % of replacement cost of monitoring sites in condition grade 2 or better = 95%	Performance Indicator Data 84% of sites are grade 1 or 2 in figure to the left	Status On track		Performance Indicator Comment Condition grades are assessed for the 6 categories shown. Percentage of modelled replacement cost of these assessed condition grades 1-2 is 84%. However, a large portion of monitoring site cost is in instrumentation which is renewed on lifecycle period and not assessed by condition grade.																																																												
			% of level data with a quality code better than 40 = 95%	90.01% of level data collected had a quality code better than 40.	Status On track																																																														
			<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th colspan="2"></th> <th colspan="6">Condition Grade</th> </tr> <tr> <th>Asset</th> <th></th> <th>1 - Very Good</th> <th>2 - Good</th> <th>3 - Fair</th> <th>4 - Poor</th> <th>5 - Very Poor</th> <th></th> </tr> </thead> <tbody> <tr> <td>Benchmark</td> <td></td> <td>10%</td> <td>75%</td> <td>13%</td> <td>0%</td> <td>2%</td> <td></td> </tr> <tr> <td>Gauges</td> <td></td> <td>3%</td> <td>60%</td> <td>28%</td> <td>8%</td> <td>1%</td> <td></td> </tr> <tr> <td>Instrument Enclosure</td> <td></td> <td>9%</td> <td>82%</td> <td>8%</td> <td>2%</td> <td>0%</td> <td></td> </tr> <tr> <td>Power supply</td> <td></td> <td>10%</td> <td>75%</td> <td>13%</td> <td>2%</td> <td>0%</td> <td></td> </tr> <tr> <td>Conduits / sensor mounts</td> <td></td> <td>5%</td> <td>67%</td> <td>19%</td> <td>8%</td> <td>0%</td> <td></td> </tr> <tr> <td>Shelter</td> <td></td> <td>13%</td> <td>75%</td> <td>10%</td> <td>0%</td> <td>1%</td> <td></td> </tr> </tbody> </table>						Condition Grade						Asset		1 - Very Good	2 - Good	3 - Fair	4 - Poor	5 - Very Poor		Benchmark		10%	75%	13%	0%	2%		Gauges		3%	60%	28%	8%	1%		Instrument Enclosure		9%	82%	8%	2%	0%		Power supply		10%	75%	13%	2%	0%		Conduits / sensor mounts		5%	67%	19%	8%	0%		Shelter		13%	75%	10%
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W01-02 Surface water data management and reporting The data management and reporting of surface water quantity, quality and biological information; including compilation, secure storage, management and publishing of data to customers, stakeholders and the general public.	WNSW	OM2	OM2 Number of sites subject to data management: Forecast = 437	OM2 Data 422 SW sites monitored in the 2022-23 year	Status On track	OM2 Comment Some sites not accessible due to high flow events and wet weather access in the first half of the reporting year.
			Performance Indicator % of sites where data is available within 3 hours = 90%	Performance Indicator Data 91.5% of sites had data available within 3 hrs of collection. Overall telemetered data availability was 96.8% for FY22-23	Status Met	

W01-03 Surface water quality monitoring The provision of a surface water quality monitoring program; including design, sample collection, laboratory testing and analysis, test result quality assurance to accepted standards, and test result encoding to make it available for data management and reporting. Relevant OM numbers: - OM3 - OM4	WNSW	OM3	OM3 Number of sites visited per year to collect water quality samples: Forecast = 125	OM3 Data 125 sites of the SWAMP program that were visited in the 2022-23 water year, this is matched against the site list in the 3.3.5 section of the Water Monitoring Program and the new RRA schedule.	Status Met	OM3 Comment
			WNSW	OM4	OM4 Number of tests undertaken per year: Forecast = 26,750	
	Performance Indicator % compliance against monitoring program requirements = 98%	Performance Indicator Data 99.92%			Status Met	Performance Indicator Comment
					Status Met	

W01-04 Surface water algal monitoring The provision of a surface water algal monitoring program; including design, sample collection, laboratory analysis, algal identification and enumeration to accepted standards, and result encoding for provision to regional coordinating committees.	WNSW	OM5	OM5 Number of tests undertaken per year: Forecast = 10,080	OM5 Data 10,140. Increased number of tests due to higher numbers of algae alert sampling.	Status Met	OM5 Comment
			Performance Indicator % samples collected and analysed according to current standards and within agreed timeframe = 95%	Performance Indicator Data 96.90%	Status Met	

W01-05 Surface water ecological condition monitoring The provision of a surface water ecological condition monitoring system to assess the health of water sources; including design and application based on the River Condition Index (RCI) for rivers, flood plains and wetlands. Relevant OM numbers: - OM6 - OM7 - OM8 - OM9 - OM10 - OM11 - OM12 - OM13 - OM14	DPE Water	OM6	OM6 Update of River Styles database undertaken to support water sharing plan (WSP) development. Measure by number of plans: - Output = 50%	OM6 Data River Styles data is available for each WSP at remake	Status On track	OM6 Comment River Styles updates have been completed on time to support WSP development.
			Performance Indicator Update of River Styles completed in time for WSP evaluation = 100%	Performance Indicator Data River Styles data is available for each WSP at evaluation	Status On track	

	DPE Water	OM7	OM7	OM7 Data	Status	OM7 Comment
			Update of RCI undertaken to support WSP development. Measure by number of plans: Output = 50%	100%	Met	The RCI was completed for all of state and published January 2023.
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment
			Update of RCI completed in time for WSP evaluation = 100%	100%	Met	The RCI was completed for all of state and published January 2023.
	DPE Water	OM8	OM8	OM8 Data	Status	OM8 Comment
			Update of WaQI undertaken to support WSP development. Measure by number of plans: Output = 50%	100%	Met	The WaQI was completed for all of state and published January 2023.
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment
			Update of WaQI completed in time for WSP evaluation = 100%	100%	Met	The WaQI was completed for all of state and published January 2023.
	DPE Water	OM9	OM9	OM9 Data	Status	OM9 Comment
			Coverage of river and groundwater HEVAE extended to coastal WSP areas	100%	Met	HEVAE has been extended to all of the coast. Completed November 2023.
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment
			River and groundwater HEVAE extended to cover coastal WSP areas in time for plan evaluation = 100%	100%	Met	River and GW HEVAE have been extended to the coast with all areas completed November 2023.
	DPE Water	OM10	OM10	OM10 Data	Status	OM10 Comment
			Coverage of river and groundwater HEVAE extended to coastal WSP areas	NB identical to OM9 (double up of OM9)	N/A	N/A
		Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment	
		River and groundwater HEVAE extended to cover coastal WSP areas in time for plan evaluation = 100%		N/A	N/A	
DPE Water	OM11	OM11	OM11 Data	Status	OM11 Comment	
		WaQI extended to coastal WSP areas	100%	Met	WaQI is complete for all of state.	
		Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment	
		WaQI extended to cover coastal WSP areas in time for plan evaluation = 100%	100%	Met	WaQI is complete for all of state.	
DPE Water	OM12	OM12	OM12 Data	Status	OM12 Comment	
		WaQI incorporated into the RCI	100%	Met	WaQI is complete for all of state.	
	OM13	OM13	OM13 Data	Status	OM13 Comment	
		River Styles, WaQI, RCI and HEVAE available on DPIE website	100%	Met	All data products are available on DPIE website	
DPE Water	OM14	OM14	OM14 Data	Status	OM14 Comment	
		Technical reports for HEVAE and WaQI peer reviewed and published on DPIE website	20%	On track	The reports are in development and planned for completion 2024.	
		Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment	
		Technical reports for HEVAE and WaQI updates peer reviewed and published on DPIE website within 3 months of completion = 100%	0%	On track	The reports are in development and planned for completion 2024.	
W02-01 Groundwater quantity monitoring The provision of a groundwater level, pressure and flow monitoring system; including design, site calibration, data collection, entry, audit, quality assurance, archiving, and information provision; and the maintenance and operation of groundwater monitoring bores.	WNSW	OM15	OM15	OM15 Data	Status	OM15 Comment
		Number of water monitoring sites: Forecast = 4,384 (excludes coal seam gas monitoring sites)	3,997 actively monitored (432 telemetered+ 3565 non-telemetered) Ground Water stations that were reported in 2021-22, checked against the site list in new RRA Schedule.		On track	
		Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment	
		Sites in acceptable condition % of replacement cost of monitoring sites in condition grade 2 or better = 95%			On track	
		% of level or pressure data with a quality code better than 40 = 95%	63% of sites in acceptable condition 90.1% of non-telemetered (manual/logger) sites have data with quality code >40.		On track	Condition assessment of the groundwater monitoring network indicates 37% of bores are currently in need of refurbishment or replacement, and of these, more than 25% have exceeded their effective life. Overall integrity of the network is significantly impacted by these older bores, therefore clearing the large backlog of works will take some time
W02-02	WNSW	OM16	OM16	OM16 Data	Status	OM16 Comment

Groundwater quality monitoring The provision of a groundwater quality monitoring program; including design, sample collection, laboratory testing and analysis, test result quality assurance to accepted standards, and test result encoding to make it available for data management and reporting. Relevant OM numbers: - OM16 - OM17			Number of sites visited per year to collect water quality samples: Forecast = 153 (excludes coal seam gas monitoring sites) 99 Ground Water stations with quality data that were reported on WQDB in 2022-23 water year, checked against the site list in the new RRA Schedule. RRA Schedule has an agreed target of 153 active sites.	On track	Some sites not accessible due to wet weather conditions and other work priorities, especially in areas affected by flooding or water quality concerns	
	WNSW	OM17	OM17	OM17 Data	Status	OM17 Comment
			Number of samples undertaken per year: Forecast = 340 (excludes coal seam gas monitoring sites)	186 Ground Water samples were reported for the 2022-23 water year. The new RRA schedule forecast is 340 samples per year.	On track	Some sites not accessible due to wet weather conditions and other work priorities, especially in areas affected by flooding or water quality concerns
			Performance Indicator % compliance against monitoring program requirements = 98%	Performance Indicator Data 67.4% of scheduled site visited. 54.7% of forecasted number of samples undertaken.	On track	Some sites not accessible due to wet weather conditions and other work priorities, especially in areas affected by flooding or water quality concerns

W02-03 Groundwater data management and reporting The data management and reporting of groundwater quantity and quality information; including compilation, secure storage, management and publishing of data to customers, stakeholders and the general public.	WNSW	OM18	OM18	OM18 Data	Status	OM18 Comment
			Number of sites subject to data management: Forecast = 4,384 (excludes coal seam gas monitoring sites)	3,997 Ground Water water sites had data collected during the 2022/23 period.	On track	Some sites not accessible due to wet weather conditions and other work priorities, especially in areas affected by flooding or water quality concerns
			Performance Indicator % of sites where data is available daily = 90%	91.5% of sites had data available daily	Met	91.5% of sites had data available daily Comms performance stat is 97.4% success rate, using successful comms vs failed comms cycles.

W04-01 Surface water modelling The development, upgrade and application of surface water resource management models, for use in water planning and to assess performance in terms of statutory requirements, interstate agreements, regional water supply optimisation and third party impacts on NSW stakeholders. Relevant OM numbers: - OM19 - OM20	DPE Water	OM19	OM19	OM19 Data	Status	OM19 Comment
			Number of documented model performance reviews during the year: Output = 5 per year	5	Met	In 2023 MDBA, in collaboration with the DPE Water, completed 5 surface water model reviews as part of WRP submission. We also had 2 independent Namoi model reviews. We had two independent groundwater model reviews in 2023. We are working on getting the detailed modelling guidelines written and published, which is taking longer than hoped, due to limited resources and complexity. The higher level guidelines are published. This and model specific reports, will support more model reviews against the guideline in 2024.
			Performance Indicator % models reviewed and reported against accuracy and reliability criteria set out in modelling guidelines = 100%	100%	Met	In 2023 MDBA, in collaboration with the DPE Water, completed 5 surface water model reviews as part of WRP submission. We also had 2 independent Namoi model reviews. We had two independent groundwater model reviews in 2023. Guidelines to be finalised, noting the higher level guidelines are published.
	DPE Water	OM20	OM20	OM20 Data	Status	OM20 Comment
		Number of models updated with an additional year of climate and hydrologic data: Output = 15 per year	15	Met	We have been keeping the models up to date with annual data extensions inland. Coast models are also up-to-date.	

W04-02 Groundwater modelling The development and upgrade and use of groundwater resource water sharing and management applications, and for resource impact and balance Comments. Relevant OM numbers: - OM21 - OM22	DPE Water	OM21	OM21	OM21 Data	Status	OM21 Comment
			Number of documented model performance reviews during the year: Output = 4 per year	2	Not met	Insufficient resources to perform reviews, which requires the preparation of specific model documentation, and the scheduling of reviews, including with external reviewers. In 2023, MDBA completed 5 surface water model reviews as part of WRP submission. We also had an independent Namoi model review. We had two independent groundwater model reviews in 2023. Recruitment currently underway including for a Manager of Groundwater Modelling. Our new Senior Project Officer will schedule and support the delivery of groundwater water model reviews in 2024.
			Performance Indicator % models meeting accuracy and reliability criteria stipulated by the Australian Groundwater Modelling Guidelines = 100%	50%	Not met	Two independent groundwater model reviews completed in 2023. Only one model (the department-bull model) met the accuracy and reliability criteria. Recruitment currently underway including for a Manager of Groundwater Modelling.
	DPE Water	OM22	OM22	OM22 Data	Status	OM22 Comment
		Number of models updated with an additional year of climate and hydrologic data: Output = 2 per year	2	Met	Upper Namoi and Lower Murray alluvium completed.	

W04-03 Water resource accounting The development and update of water resource accounts and information on NSW water sources, for use by external stakeholders, and for internal water planning, management and evaluation processes. Relevant OM numbers: - OM23 - OM24	DPE Water	OM23	OM23	OM23 Data	Status	OM23 Comment
			Publication of detailed General Purpose Water Allocation Reports (GPWARs): Output = 9 (covering 11 sources) per year	9	Met	Water accounting statements were developed using the new Water Accounting Module.
			Performance Indicator GPWARs published within 12 months of the end of the water year = 100%	100%	Met	A water account for the 2022-23 water year was produced under the Australian Water Accounting Standard 1 for all inland regulated water sources of the NSW Murray Darling Basin (9 reports, 11 water sources).
	DPE Water	OM24	OM24	OM24 Data	Status	OM24 Comment
		Reports to meet state and federal compliance reporting obligations.	n/a	Met	Resource accounting reports were produced to service 2022-23 reporting obligations. Custom water resource reporting was produced to meet required obligations under Water Act 2007 S71, Basin Plan Schedule 12 and, NSW state of the environment, and Water Act 2007 BOM category 5. Work has progressed to identify solutions for improved efficiency and processes for producing components of these reporting obligations.	

W05-01 Systems operation and water availability management The preparation and implementation of the procedures and systems required to deliver the provisions of water management plans; and operational oversight to ensure plan compliance, the available water determinations and the Comment of compliance with long term extraction limits. Relevant OM numbers: - OM25 - OM26 - OM27 - OM28 - OM29	DPE Water	OM25	OM25 A theme-based WSP implementation program established and published.	OM25 Data n/a	Status On track	OM25 Comment Output measure is on track. Theme outlines established for 12 themes covering all areas of WSP implementation. Commenced annual review process to update theme outlines. Developing implementation program manual, which describes the components of the program and outlines work instructions to operate the program year to year. Continuing to develop the evaluation components of the program to enable reporting on theme implementation and program performance.
	DPE Water	OM26	OM26 Annual implementation effectiveness reviews completed for each theme and communicated to key stakeholders (water agencies, Murray-Darling Basin Authority (MDBA), NRC, industry and public) through annual reports and DPIE Water website update.	OM26 Data n/a	Status Met	OM26 Comment Output measure is on track. Delivered 2022 to 2023 annual report of theme implementation effectiveness to key internal stakeholders. The annual progress report is now on track for publishing on the DPE Water website. On track to deliver 2023 to 2024 report in 2024 and communicate to additional stakeholders. Undertaking foundational work to deliver first program performance annual report with planned delivery late 2024.
	DPE Water	OM27	OM27 Manage Long Term Average Annual Extraction Limit (LTAEL) in priority WSPs where it is exceeded Report back: Number of times that there is non-compliance with the long-term average annual extraction limit, as defined in each WSP. i.e. 1, X Water Sharing Plan Output = 0 per year	OM27 Data LTAEL was non-compliant for 2 water sources - non-compliance in the Namoi regulated river and non-compliance in the Greater Metropolitan Region unregulated river.	Status Met	OM27 Comment Growth-in-use action taken for the Namoi - reduced available water determination for supplementary licence holders Non-compliant for Southern Sydney EMU - major utility access licence in the Greater Metro - no action is required to reduce water take, rather a review is to be undertaken by the Minister.
			Performance Indicator 100% compliance with LTAEL assessed annually for priority water sharing plans in accordance with rules set out in respective WSPs, and AWDs reflect an appropriate reduction in allocations where LTAEL is exceeded. Report back: WSP non-compliance addressed through the required management action, as defined in each WSP i.e. 100%, AWDs reduced to be compliant with the extraction limit.	Performance Indicator Data LTAEL was non-compliant for 2 water sources - non-compliance in the Namoi regulated river and non-compliance in the Greater Metropolitan Region unregulated river. AWD reduced for the Namoi, review required for Greater Metro.	Status Met	Performance Indicator Comment Growth-in-use action taken for the Namoi - reduced available water determination for supplementary licence holders Non-compliant for Southern Sydney EMU - major utility access licence in the Greater Metro - no action is required to reduce water take, rather a review is to be undertaken by the Minister.
	DPE Water	OM28	OM28 Snowy licence review implemented by 2022.	OM28 Data n/a	Status At risk	OM28 Comment 3 actions from the Licence Review are continuing to be progressed. 3 relate to environmental flow investigations (See OM33 and 34), the remainder relate to water release investigations. Issues were analysed to fully understand the extent and impact of the issue. A long list of options were put forward and prioritised for investigation by the interjurisdictional Technical Working Group (TWG). Baseline integrated modellign has been developed which has provided useful insight into how the scheme operates and responds to different climate conditions. The modellign is being used to test a shortlist of potential options. The TWG will use the analysis and modelling results to determine jurisdiction positions on potential licence changes. DPE Water will then determine a decision package and forward workplan. A public webinar is planned for this calendar year prior to development of a public report and public exhibition of proposed licence changes.
	DPE Water	OM29	OM29 AWDs and allocation statements released for each WSP	OM29 Data n/a	Status Met	OM29 Comment Completed for 2023/24 water year. AWD for all WSP areas issued on 1 July 2023.
			Performance Indicator AWDs published on website within 1 week of being made = 100%	Performance Indicator Data 100%	Status Met	Performance Indicator Comment AWDs were issued for all water sources on 1 July 2023. Those where full allocation could not be provided will continue to be assessed and increment as more water becomes available for allocation. Where allocations are not full, regular resource assessment continues with the results published within one week of their determination (AWD).
W05-02 Blue-green algae management The provision of an algal risk management system; including oversight, coordination and training, the issue of algal alerts and the development of algal risk management plans	WNSW	OM30	OM30 Algal risk management plans for each region are implemented.	OM30 Data The state-wide guidelines were not updated as the NHMRC Guidelines for Managing Risks in Recreational Waters have not been updated. Regional guidelines were updated in April 2023. These have yet to be submitted to the regional RACC committees.	Status Met	OM18 Comment
			Performance Indicator % reports meeting weekly timeframe to regional algal coordinating committees and state algal coordinator of alert levels based on algal data = 100%	Performance Indicator Data 100% of red alert updates and reports have been sent through to the relevant stakeholder groups. Reporting frequency has reduced in some regions through the cooler months due to lower sampling frequency. All actions were completed in accordance with algal risk management plans. Of these 100% were completed within set timeframes from results received.	Status Met	Performance Indicator Comment Algal hotline requirement is under review with intention due to advances technology set for disconnection 2023.
			% actions implemented in accordance with algal risk management plan and guidelines = 100%		Status Met	Performance Indicator Comment 100% of red alert sent to stakeholders through media statement and/or stakeholder reports.
W05-03	DPE	OM31	OM31	OM31 Data	Status	OM31 Comment

<p>Environmental water management</p> <p>The development and collaborative governance of environmental flow strategies and Comments; and the use of environmental water to achieve environmental outcomes.</p> <p>Relevant OM numbers include:</p> <ul style="list-style-type: none"> - OM31 - OM32 - OM33 - OM34 	water		Prerequisite policy measures – adaptive process in place to recognise return flows from environmental water.	n/a	On track	<p>The process in place to develop return flow accounting arrangements includes the annual evaluation and review process (as described in the previous FFA report) and the Prerequisite Policy Measures working group to review existing arrangements and prioritise new arrangements, as well as informal technical working groups to develop and refine arrangements (described in the FFA report for 2022-23).</p> <p>In addition the process above, work is underway to develop a process for post-event comparisons of actual vs debited losses, that will facilitate further improvement to return flow accounting arrangements.</p>		
			Performance Indicator 1	Agreement – a)Water managers, Water NSW and SCBEWC agree the process for recognising return flows.	n/a	On track	Agreement has been achieved for all loss accounting arrangements to date. Further improvements will occur as PPMs are evaluated.	
				Performance Indicator 2	Annual report on PPMs implementation published on DPIE website.	n/a	Met	The annual review report for 2022-23 Was published in Oct 2023. DPE W aimed to publish the report in June, however, it was delayed awaiting reporting data from WaterNSW.
		DPE Water	OM32	OM32	Northern Basin – Interim Unregulated Flow Management Plan for the North-west implemented as demonstrated by Review report published and Procedures Manual for the Interim Unregulated Flow Management Plan for the North-west adopted by Water NSW and in place.	n/a	At risk	<p>We remain behind on developing the procedures manual for the plan due to a new requirement in the Border Rivers water sharing plan requiring an independent panel to review and changes to the plan targets.</p> <p>The panel has been established and are currently reviewing the targets and will publish their findings in a report due in early 2024.</p> <p>Following the report, modelling work will be required to operationalise the plan and inform the detail in the procedures manual.</p>
		DPE Water	OM33	OM33	Snowy Licence – Evaluate using the Mowamba River to provide environmental water to the Snowy River.	n/a	On track	<p>Feasibility assessment completed by Alluvium consulting, which recommended implementation in 3 phases with the first being allowing overtopping of the weir. Further detailed analysis is being completed by Alluvium to determine an approach that would minimise impacts on the energy production and hence compensation costs. TWG have provided ongoing advice to continue investigations, given the potential social and environmental benefits from this option, although this was not supported by Snowy Hydro. Design of water releases and accounting frameworks are continuing to be progressed by Alluvium.</p>
DPE Water	OM34	OM34	Snowy licence – Investigate more flexible delivery to achieve better environmental outcomes and deliver an average annual flow consistent with the intent of SWI/OID.	n/a	On track	<p>Regarding Flexible Delivery: Feasibility assessment completed by Alluvium consulting, which recommended implementation in 3 phases with the first being implementing 4 flow events each year that are synchronised with natural flows in the Thredbo River. TWG will be asked to provide advice on implementing a trial for the 2024 water year. Further design and analysis is being undertaken to progress the trial potentially through an operational agreement and minor licence amendment. Phase 2 and 4 investigations cannot be completed within the licence review timeframe. Instead, a workplan will be developed for ongoing work requirements.</p> <p>Regarding delivering average annual flows: DPE Water has documented support from all jurisdictions that SRIF delivery should not be limited to a maximum of 212GL. However, given there is a drafting error in the SWI/OID, Snowy Hydro may be able to pursue compensation if required to deliver more than 212GL. DPE Water has drafted a letter from Minister Jackson to Minister Pilbersek on this matter. The Snowy Water Government Officials Committee has agreed to write to the heads of the relevant departments requesting they inform the Commonwealth Ministers who own Snowy Hydro of the issue.</p>		

<p>W05-04</p> <p>Water plan performance Comment and evaluation. The Comment, audit and evaluation of the water management plans' appropriateness, efficiency and effectiveness in achieving economic, social and environmental objectives.</p> <p>Relevant OM numbers include:</p> <ul style="list-style-type: none"> - OM35 - OM36 	DPE Water	OM35	OM35	WSP risk Comments prepared: Output = 25	21	On track	Environmental risk assessments have been scheduled according to WSP remake process timeline. Targets for delivery have been met and are ongoing.	
				Performance Indicator	WSPs with risk Comments available prior to remake date = 100%	100%	On track	All WSP environmental risk assessments have met the timetable required for remake process.
		DPE Water	OM36	OM36	WSPs included in the scope of monitoring programs: Output = Monitoring data for all inland (Basin) WSPs, at least 6 coastal WSPs (approximately 50% of coastal WSP remakes during the period)	6	On track	<p>Monitoring of WSP performance is conducted under the Water Science Environmental Outcomes Monitoring and Research Program. Monitoring strategy is aligned to the Prioritisation tool and WSP remake timelines.</p> <p>Further information to support outcome measure: Draft surface water environmental & water quality outcomes method was finalised with approval scheduled for 2023/2024. Monitoring outcomes data reporting is due to commence late 2023 for 14 of 14 surface water plans ending in 2026. Continued scoping for hydrologic outcomes methods for integration with existing outcomes methods.</p> <p>The draft social & economic outcomes method was finalised with approval scheduled for 2023 to 2024. Draft monitoring outcomes data was delivered for 9 of 17 surface and groundwater plans in July 2023 with the remaining 8 of 17 plans scheduled for delivery by March 2024. Progress is on track.</p> <p>Draft process (implementation) evaluation method to be finalised 2023/2024.</p> <p>Completed progress reporting on water management plan audit and review (Water Management Act 2000 sections 43, 43A and S44) recommendations bi-annually and completed update reports for the Natural Resource Commission.</p>
		Performance Indicator				On track	Performance Indicator Comment	

		WSPs with monitoring outcomes available prior to evaluation and remake date = 100%	100% Available monitoring outcomes data was compiled and supplied for 6 of 6 (100%) WSPs with replacement process commencing during 2022 to 23.	On track	Monitoring data collected under the Environmental Outcomes Monitoring and Research Program is being used in the evaluation of the WSP efficiency. Information is available at https://www.dpie.nsw.gov.au/water/science-data-and-modelling/surface-water/environmental-outcomes-monitoring-and-research-program . Draft surface water environmental & water quality outcomes method was finalised with approval scheduled for 2023 to 2024. Monitoring outcomes data reporting is due to commence late 2023 for 14 of 14 surface water plans ending in 2026. Continued scoping for hydrologic outcomes methods for integration with existing outcomes methods.
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W06-01 Water plan development (coastal) The development, review, amendment, and extension or replacement of water management plans, and the consultation activities associated with developing these plans for the coastal water sources. Relevant OM numbers include: - OM37 - OM38 - OM39 - OM40 - OM41 - OM42	DPE Water	OM37	OM37	OM37 Data	Status	OM37 Comment
			NRC review report submitted for plans due to expire within the 2021 IPART period to Minister and Minister endorses Department recommendation for coastal WSPs to be replaced or extended. Output = 7 Anticipated coastal WSPs approved for replacement or extension: Bega, Murrumbidgee, Richmond, Towamba, Tweed, GMR Unreg, GMR GW	7	Met	This requirement was previously met in 2021/22 reporting period
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment
	Review report submitted on time = 100%	100%	Met	This requirement was previously met in 2021/22 reporting period		
	DPE Water	OM38	OM38	OM38 Data	Status	OM38 Comment
			WSP rules are reviewed and updates proposed where required as part of plan replacement. Output = 13 Anticipated WSPs that have work progressed to review and update rules where required to inform draft plan for public exhibition: CC, Coffs, Hunter, LNC, Bega, Murrumbidgee, Richmond, Towamba, Tweed, GMR Unreg, GMR GW, 2 additional plans brought forward from those due to expire in 2026.	13	Met	This requirements was previously met for 5 plans in the previously reporting period (CC, Coffs, LNC, Hunter, Towamba) This requirement was met for 6 further plans in this reporting period (Bega/Murrumbidgee, GMR Unreg, GMR GW, Tweed, Richmond) This requirement not met for the 2 additional plans proposed to be brought forward (Macleay/Clarence). This work was not able to be resourced to date.
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment
	WSP rules reviewed and updates proposed in line with expected timing = 100%	100%	Met	This requirements was previously met for 5 plans in the previously reporting period (CC, Coffs, LNC, Hunter, Towamba) This requirement was met for 6 further plans in this reporting period (Bega/Murrumbidgee, GMR Unreg, GMR GW, Tweed, Richmond) This requirement not met for the 2 additional plans proposed to be brought forward (Macleay/Clarence). This work was not able to be resourced to date.		
	DPE Water	OM39	OM39	OM39 Data	Status	OM39 Comment
			Public exhibition of draft replacement coastal WSPs is completed. Output = 11 Anticipated coastal WSPs that have public exhibition completed: CC, Coffs, Hunter, LNC, Bega, Murrumbidgee, Richmond, Towamba, Tweed, GMR Unreg, GMR GW.	11	Met	This requirements was previously met for 5 plans in the previously reporting period (CC, Coffs, LNC, Hunter, Towamba) This requirement was met for 6 further plans in this reporting period (Bega/Murrumbidgee, GMR Unreg, GMR GW, Tweed, Richmond)
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment
	Public exhibition completed in line with expected timing = 100%	100%	Met	This requirements was previously met for 5 plans in the previously reporting period (CC, Coffs, LNC, Hunter, Towamba) This requirement was met for 6 further plans in this reporting period (Bega/Murrumbidgee, GMR Unreg, GMR GW, Tweed, Richmond)		
	DPE Water	OM40	OM40	OM40 Data	Status	OM40 Comment
			Replacement coastal WSP submitted for approval to commence. Output = 11 Anticipated 11 coastal WSPs submitted to the Minister for approval to commence: CC, Coffs, Hunter, LNC, Bega, Murrumbidgee, Richmond, Towamba, Tweed, GMR Unreg, GMR GW.	11	Met	This requirement was previously met for 4 plans in the previously reporting period (CC, Coffs, LNC, Hunter) This requirement was met for 7 further plans in this reporting period (Towamba, Bega/Murrumbidgee, GMR Unreg, GMR GW, Tweed, Richmond)
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment
	Replacement WSPs submitted for approval in line with expected timing = 100%	100%	Met	This requirement was previously met for 4 plans in the previously reporting period (CC, Coffs, LNC, Hunter) This requirement was met for 7 further plans in this reporting period (Towamba, Bega/Murrumbidgee, GMR Unreg, GMR GW, Tweed, Richmond)		
	DPE Water	OM41	OM41	OM41 Data	Status	OM41 Comment
			Commencement of coastal WSPs: Output = 11 Anticipated coastal WSPs approved by the Minister to commence and have been submitted to the NSW legislation website for upload: CC, Coffs, Hunter, LNC, Bega, Murrumbidgee, Richmond, Towamba, Tweed, GMR Unreg, GMR GW.	11	Met	This requirement was previously met for 4 plans in the previously reporting period (CC, Coffs, LNC, Hunter) This requirement was met for 7 further plans in this reporting period (Towamba, Bega/Murrumbidgee, GMR Unreg, GMR GW, Tweed, Richmond)
Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment			

			Commencement of WSPs occur in line with expected timing = 100%	100%	Met	This requirement was previously met for 4 plans in the previously reporting period (CC, Coffs, LNC, Hunter) This requirement was met for 7 further plans in this reporting period (Towamba, Bega/Murrah, GMR Unreg, GMR GW, Tweed, Richmond)
	DPE Water	OM42	OM42 Amendment to coastal WSPs commenced as required.	OM42 Data 10	Status Met	OM42 Comment 10 coastal WSP amendments were completed in 2022/23 period. Further coastal amendments are in development and will be finalised in the 2023/24 period.

W06-02 Water plan development (inland) The development, review, amendment, and extension of replacement of water management plans; the development of additional planning instruments to comply with the Commonwealth Water Act; and the consultation activities associated with developing these plans for the inland water sources. Relevant OM numbers include: - OM43 - OM44 - OM45 - OM46 - OM47 - OM48 - OM49 - OM50	DPE Water	OM43	OM43 NRC review report submitted for plans due to expire within the 2021 IPART period to Minister and Minister endorses Department recommendation for inland WSPs to be replaced or extended. Output = 13 Anticipated inland WSPs approved for replacement or extension: Castlereagh, IS, LMD, Murray, NW NSW, NSW BR, BD, Belubula, Gwydir, Lachlan, Macq Bogan, Murrumbidgee, Namoi/Peel.	OM43 Data 13	Status Met	OM43 Comment BD WSP review was completed in 2019. Six plan reviews were completed in 2021/22 period. Six plan reviews were completed in 2022/23 period.
			Performance Indicator	Performance indicator Data	Status	Performance Indicator Comment
			Review report submitted on time = 100%	100%	Met	BD WSP review was completed in 2019. Six plan reviews were completed in 2021/22 period. Six plan reviews were completed in 2022/23 period.
	DPE Water	OM44	OM44 WSP rules are reviewed and updates proposed where required as part of plan replacement. Associated updates to WRPs are also identified. Output = 13 Anticipated inland WSPs (and associated WRPs) to have work progressed to review and update rules where required to inform draft replacement plan for public exhibition: Castlereagh, IS, LMD, Murray, NW NSW, NSW BR, BD, Belubula, Gwydir, Lachlan, Macq Bogan, Murrumbidgee, Namoi/Peel.	OM44 Data 1	Status At risk	OM44 Comment Work was initially commenced on BD as plan replacement. This was changed in Q2 of 21/22 period to split to initial amendment followed by replacement work for later date. This was due to related work informing the replacement being delayed. Work on plans for replacement by 2024 has commenced while work on plans for replacement by 2025 is yet to commence. This has been due to ongoing WRP work using available resources. Note that WRP is still being undertaken as of June 2023. Work on 2024 replacement plans in regard to this output measure is anticipated to be completed in 2023. Work on 2025 replacement plans in regard to this output measure is anticipated to be completed in 2023/2024.
			Performance Indicator	Performance indicator Data	Status	Performance Indicator Comment
			WSP rules reviewed and updates proposed in line with expected timing = 100%	7%	At risk	Work was initially commenced on BD as plan replacement. This was changed in Q2 of 21/22 period to split to initial amendment followed by replacement work for later date. This was due to related work informing the replacement being delayed. Work on plans for replacement by 2024 has commenced while work on plans for replacement by 2025 is yet to commence. This has been due to ongoing WRP work using available resources. Note that WRP is still being undertaken as of June 2023. Work on 2024 replacement plans in regard to this output measure is anticipated to be completed in 2023. Work on 2025 replacement plans in regard to this output measure is anticipated to be completed in 2023/2024.
	DPE Water	OM45	OM45 Public exhibition of draft replacement inland WSPs (and any associated WRP updates) is completed Output = 13 Anticipated inland replacement WSPs (and associated WRPs) to have public exhibition completed (Castlereagh, IS, LMD, Murray, NW NSW, NSW BR, BD, Belubula, Gwydir, Lachlan, Macq Bogan, Murrumbidgee, Namoi/Peel)	OM45 Data 1	Status At risk	OM45 Comment NW NSW replacement plan commenced public exhibition on 30/6/23. Not completed as prior tasks not progressed or completed. Work on 2024 replacement plans in regard to this output measure is anticipated to be completed in 2023. Work on 2025 replacement plans in regard to this output measure is anticipated to be completed in 2024.
			Performance Indicator	Performance indicator Data	Status	Performance Indicator Comment
			Public exhibition completed in line with expected timing = 100%	7%	At risk	NW NSW replacement plan commenced public exhibition on 30/6/23. Not completed as prior tasks not progressed or completed. Work on 2024 replacement plans in regard to this output measure is anticipated to be completed in 2023. Work on 2025 replacement plans in regard to this output measure is anticipated to be completed in 2024.
	DPE Water	OM46	OM46 Replacement inland WSP submitted for approval to commence and amended WRP submitted for accreditation to Commonwealth. Output = 13 Anticipated up to 13 inland WSPs to be submitted to the Minister for approval to commence: Castlereagh, IS, LMD, Murray, NW NSW, NSW BR, BD, Belubula, Gwydir, Lachlan, Macq Bogan, Murrumbidgee, Namoi/Peel. Relevant WRPs are submitted to the MDBA for accreditation Comment of amendments.	OM46 Data 0	Status At risk	OM46 Comment Not completed as prior tasks not progressed or completed. Work on 2024 replacement plans in regard to this output measure is anticipated to be completed in 2024. Work on 2025 replacement plans in regard to this output measure is anticipated to be completed in 2025.
			Performance Indicator	Performance indicator Data	Status	Performance Indicator Comment
			Replacement WSPs submitted for approval in line with expected timing = 100%	0%	At risk	Not completed as prior tasks not progressed or completed. Work on 2024 replacement plans in regard to this output measure is anticipated to be completed in 2024. Work on 2025 replacement plans in regard to this output measure is anticipated to be completed in 2025.

	DPE Water	OM47	OM47	OM47 Data	Status	OM47 Comment
			Replacement inland WSP has commenced. Output = 13 Anticipated inland WSPs to be approved by the Minister to commence and have been submitted to the NSW legislation website for upload: Castlereagh, IS, LMD, Murray, NW NSW, NSW BR, BD, Belubula, Gwydir, Lachlan, Macq Bogan, Murrumbidgee, Namoi/Peel. Relevant WSPs are accredited by the Commonwealth Minister for Water.	0	At risk	Not completed as prior tasks not progressed or completed. Work on 2024 replacement plans in regard to this output measure is anticipated to be completed in 2024. Work on 2025 replacement plans in regard to this output measure is anticipated to be completed in 2025.
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment
			Replacement WSPs are commenced in line with expected timing = 100%	0%	At risk	Not completed as prior tasks not progressed or completed. Work on 2024 replacement plans in regard to this output measure is anticipated to be completed in 2024. Work on 2025 replacement plans in regard to this output measure is anticipated to be completed in 2025.
	DPE Water	OM48	OM48	OM48 Data	Status	OM48 Comment
		Amendment to inland WSPs/WSPs commenced as required (separate to those undertaken as part of plan replacement processes during the IPART period)	17	Met	17 inland WSP amendments were completed in 2022/23 period. Further inland amendments are in development and will be finalised in the 2023/24 period.	
DPE Water	OM49	OM49	OM49 Data	Status	OM49 Comment	
		Water Resource Plans accredited in line with Basin Plan 2012 (Basin Plan) and Commonwealth Water Act requirements. Output = 20	5	At risk	5 GW WSPs accredited in the 2022/23 period. 7 GW WSPs submitted for accreditation assessment 2 SW WSPs submitted for accreditation assessment 7 SW WSPs withdrawn for accreditation assessment in May 2023.	
		Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment	
		WSPs accredited in line with expected timing = 100%	25%	At risk	5 GW WSPs accredited in the 2022/23 period. 7 GW WSPs submitted for accreditation assessment 2 SW WSPs submitted for accreditation assessment 7 SW WSPs withdrawn for accreditation assessment in May 2023.	
DPE Water	OM50	OM50	OM50 Data	Status	OM50 Comment	
		NSW WSPs commenced prior to accreditation of NSW WSPs Output = 9 Anticipated regulated river inland WSPs replaced/amended ahead of associated WSP accreditation: Belubula, Peel, Namoi, Gwydir, Macquarie, Castlereagh, Murray, Murrumbidgee, MLD, Lachlan.	4	On track	While all initial amendments to meet WSP accreditation requirements were undertaken (aside from the Namoi), further amendments have subsequently been identified and actioned which are above the output measure originally identified. As at 30 June 2023 5 amendments remained outstanding for final approvals including LMD Unreg, Belubula Reg, Lachlan Reg, Namoi Reg, Namoi Unreg.	

W06-03 Floodplain management plan development The development, review, amendment and extension or replacement of Floodplain Management Plans in collaboration with OEH. Relevant OM numbers include: - OM51 - OM52 - OM53 - OM54 - OM55 - OM56	DPE Water	OM51	OM51	OM51 Data	Status	OM51 Comment
			S43 review report submitted for southern FMPs due to expire within the 2021 IPART period to Minister and Minister endorses Department recommendation for FMPs to be replaced or extended with 3/4 WMA200 compliant FMPs Output = 10	10	Met	This requirement was previously met in 2021/22 reporting period.
	DPE Water	OM52	OM52	OM52 Data	Status	OM52 Comment
		S43 review reports submitted in line with statutory 5-year timeframe for 3 northern FMPs. Output = 3	2	Met	This requirement was previously met in 2021/22 reporting period. As per previous commentary review for Upper Namoi now due in updated timeframe post Act amendments.	
DPE ...	OM53	OM53	OM53 Data	Status	OM53 Comment	

Water			<p>FMP rules are reviewed and updates proposed where required as part of plan replacement/amendment Output = 10</p> <p>Work with staff under W06-02 for associated updates to WRPs to be identified. This is anticipated to include technical investigations of floodway network, flood behaviour and environmental, cultural, socioeconomic and existing floodplain assets.</p> <p>Anticipated up to 7 FMPs (and associated WRPs) to have work progressed to review and update rules where required to inform draft replacement plan/plan amendments for public exhibition (10 historic southern valley FMPs anticipated to be replaced by 3/4 FMPs. Gwydir, Barwon Darling and Upper Namoi anticipated to require amendment).</p>	<p>Gwydir Valley FMP rules reviewed and amendments proposed 2021/22</p> <p>Two FMPs reviewed and no amendments proposed 2021/22</p> <p>Six FMPs reviewed and amendments proposed 2023/24</p> <p>10 FMPs reviewed and replacement proposed 2022/23</p>	<p>On track</p>	<p>Work has commenced to replace the 10 southern valley FMPs with 4 valley-wide plans under the WMA. This includes the development of large-scale flood models and mapping of floodplain assets. Consultation on draft plan elements is expected to start in January 2024.</p> <p>Work has commenced on the amendment of six FMPs in the northern Murray-Darling Basin and are anticipated commence in 2023/24</p> <p>WRP references not relevant to this measure.</p>
	DPE Water	OM54	<p>OM54</p> <p>Public exhibition of draft replacement FMPs and amended FMPs (and any associated WRP updates) is completed Output = 7</p> <p>Anticipated that up to 4 FMP replacements/amendments (and associated WRPs) have public exhibition completed (10 historic southern valley FMPs anticipated to be replaced by 3/4 FMPs. Gwydir, Barwon Darling and Upper Namoi anticipated to require amendment)</p>	<p>OM54 Data</p> <p>Gwydir Valley FMP public exhibition of proposed amendments completed Nov 2022.</p> <p>Public consultation on proposed amendments for six FMPs anticipated to be completed in 2023/24</p> <p>Public exhibition of four replacement FMP anticipated to be completed by 2024/25</p>	<p>On track</p>	<p>OM54 Comment</p> <p>Amendments to the Gwydir Valley FMP were made in January 2023 (including public exhibition Sept-Nov 2022).</p> <p>Barwon-Darling Valley FMP review recommendations to be used to inform plan replacement rather than amendment as not considered a priority.</p> <p>Upper Namoi Valley FMP amendments not required as has been review pushed to next period due to legislative change.</p> <p>Work has commenced on the amendment of six FMPs in the northern Murray-Darling Basin and are anticipated commence in 2023/24</p> <p>Work has commenced to replace the 10 southern valley FMPs with 4 valley-wide plans under the WMA. This includes the development of large-scale flood models and mapping of floodplain assets. First round of consultation on draft plan elements is expected to start in January 2024.</p>
	DPE Water	OM55	<p>OM55</p> <p>Replacement FMP/amended FMPs submitted for approval to commence Output = 4 (Note amended WRP submitted for accreditation to Commonwealth under W06-02)</p>	<p>OM55 Data</p> <p>Amended Gwydir FMP submitted for approval December 2022</p> <p>Six amended FMPs anticipated to be submitted for approval in 2023/24</p> <p>Two replacement FMPs anticipated to be submitted for approval in 2024/25</p>	<p>On track</p>	<p>OM55 Comment</p> <p>Amendments to the Gwydir Valley FMP were made in January 2023 (including public exhibition Sept-Nov 2022).</p> <p>Barwon-Darling Valley FMP review recommendations to be used to inform plan replacement rather than amendment as not considered a priority.</p> <p>Upper Namoi Valley FMP amendments not required as has been review pushed to next period due to legislative change.</p> <p>Work has commenced on the amendment of six FMPs in the northern Murray-Darling Basin.</p> <p>Work has commenced to replace the 10 southern valley FMPs with 4 valley-wide plans under the WMA. This includes the development of large-scale flood models and mapping of floodplain assets. Anticipated to be submitted for approval by June 2025.</p>
	DPE Water	OM56	<p>OM56</p> <p>Replacement/amended FMP is commenced Output = 7 (Note amended WRP is accredited under W06-02)</p> <p>Anticipated that up to 4 FMP replacements and 3 FMP amendments WSPs are approved by the Minister to commence and have been submitted to the NSW legislation website for upload (Note relevant WRPs are accredited by the Commonwealth Minister for Water under W06-02)</p>	<p>OM56 Data</p> <p>Gwydir FMP amended 2023</p> <p>Amendment of 6 FMPs anticipated to commence in 2023/24</p>	<p>On track</p>	<p>OM56 Comment</p> <p>Amendments to the Gwydir Valley FMP were approved and published on the NSW legislation website in January 2023.</p> <p>Barwon-Darling Valley FMP review recommendations to be used to inform plan replacement rather than amendment as not considered a priority.</p> <p>Upper Namoi Valley FMP amendments not required as has been review pushed to next period due to legislative change.</p> <p>Work has commenced on the amendment of six FMPs in the northern Murray-Darling Basin.</p> <p>Work has commenced to replace the 10 southern valley FMPs with 4 valley-wide plans under the WMA. This includes the development of large-scale flood models and mapping of floodplain assets. Anticipated to commence in 2025.</p>

<p>W06-05</p> <p>Regional planning and management strategies</p> <p>The development, evaluation and review of regional water strategies, metropolitan water plans and other planning instruments, including the associated stakeholder engagement.</p> <p>Relevant OM numbers include:</p> <ul style="list-style-type: none"> - OM57 - OM58 - OM59 - OM60 - OM61 	DPE Water	OM57	<p>OM57</p> <p>Regional water strategies completed and in place Output = 11</p>	<p>OM57 Data</p> <p>8</p>	<p>On track</p>	<p>OM57 Comment</p> <p>For the period ending 30 October 2023:</p> <ul style="list-style-type: none"> -Eight (8) strategies are complete and in place including Gwydir, Border Rivers, South Coast and North Coast (Nov 2022) Western (Dec 2022), Namoi (June 2023) Far North Coast (July 2023) and Macquarie (October 2023) RW Ss. - The final Far North Coast RWS will be released in early July 2023. - The third draft Lachlan RWS was on public exhibition until 12 November 2023. -Two (2) strategies (NSW Murray and Murrumbidgee RWSs) remain in development with draft strategies published. <p>-Development of the Fish River Wywandby Sub-Regional Strategy has commenced – expected delivery mid-2025.</p>
	DPE Water	OM58	<p>OM58</p> <p>Regional water strategies implementation plans developed Output = 11</p>	<p>OM58 Data</p> <p>8</p>	<p>On track</p>	<p>OM58 Comment</p> <p>The first tranche of regional water strategies was published in November-December 2022. The eight finalised strategies each have a published implementation plan. We remain on track to publish the remaining plans for those strategies to next be published.</p>
			<p>Performance Indicator</p> <p>Action Plan published within 3 months of each Regional Water Strategy being finalised = 100%</p> <p>Implementation plans reported against annually = 100%</p>	<p>Performance Indicator Data</p> <p>100%</p>	<p>On track</p>	<p>Performance Indicator Comment</p> <p>100% of action plans published within 3 months of each Regional Water Strategy being finalised - finalised implementation plans were published concurrently alongside the relevant strategy.</p> <p>We remain on track to publish the remaining plans for those strategies to next be published.</p> <p>Annual reporting against implementation plans has not been complete. This output measure has shifted since its development as the result of a decision take an integrated approach to reporting across the strategies program. We are finalising integrated reporting across the strategy program to provide the greatest accessibility and value for money for customers. It is expected that the first integrated report will be complete by end-2023.</p>
	DPE Water	OM59	<p>OM59</p>	<p>OM59 Data</p>	<p>Status</p>	<p>OM59 Comment</p>

	Water		Regional water strategies updated on a rolling annual cycle and associated Action Plan updated. Output equates to review on 4-year cycle and onethird within 2021 period. Output = 4	0	At risk	The strategies program is underpinned by leading science and extensive community consultation. Through the development of the strategies, the frequency of review has been reassessed to provide the best value for money for WAMC customers. A review cycle of four years has been considered too soon for many strategies to adequately implement or reassess changes required to republish strategies.
	DPE Water	OM60	OM60 Forward program for implementation and MER and public reporting published by June 2021	OM60 Data n/a	Status Not met	OM60 Comment The first tranche of regional water strategies was published in November-December 2022. We are finalising integrated reporting across the strategy program to provide the greatest accessibility and value for money for customers.
	DPE Water	OM61	OM61 Completion of Greater Sydney Water Strategy in 2021, including: a water efficiency and conservation framework a performance and monitoring framework.	OM61 Data n/a	Status On track	OM61 Comment Greater Sydney Water Strategy completed in 2022/23 (published August 2022) to manage water resources in Sydney, the Blue Mountains and the Illawarra. Completion of the Greater Sydney Drought Response Plan was completed in 2022. Most actions under the Greater Sydney Water Strategy will be implemented by 2025. A joint DPE and Sydney Water 5-year Water Conservation Plan was completed in June 2023, including water efficiency, recycled water and leakage programs A Monitoring, Evaluation, Reporting and Improvement framework for the Greater Sydney Water Strategy is in place. The first annual MER review is estimated for completion by December 2023 and will cover the 2022/23 period.

W06-06 Development of water planning and regulatory framework The development of the operational and regulatory requirements and rules for water access. Relevant OM numbers include: - OM62 - OM63 - OM64	DPE Water	OM62	OM62 Provide a register of regulatory and policy instruments progressed during the year. Output = 5	OM62 Data 7	Status Met	OM62 Comment Exceeded output measure for FY22-23
	DPE Water	OM63	OM63 Policies and regulations supporting the water planning and regulatory framework are developed and reviewed using a risk-based approach.	OM63 Data Risk-based decision making used	Status On track	OM63 Comment Have implemented a more efficient approach to that advised at the last review but still uses a risk-based approach for prioritising all work.
			Performance Indicator A risk-based framework is used 100% of the time for informing the priorities for development of water policy and regulatory instruments.	Performance Indicator Data Risk-based decision making used 100% of the time	Status On track	Performance Indicator Comment Have implemented a more efficient approach to that advised at the last review but still uses a risk-based approach for prioritising all work.
	DPE Water	OM64	OM64 Timely public access to key policies and regulatory instruments.	OM64 Data Ongoing	Status On track	OM64 Comment Information is published on the Department's website within days of regulatory changes coming into effect.
			Performance Indicator Key policies and regulatory instruments are published on the Department's website within 4 weeks of their approval = 90%	Performance Indicator Data 96% - Exceeded	Status On track	Performance Indicator Comment For 1 policy there was a delay to publication due to the need to comply with government caretaker conventions prior to the election

W06-07 Cross border and national commitments The development of interstate water sharing arrangements and the implementation of operational programs to meet national and interstate commitments. Relevant OM numbers include: - OM65 - OM66	DPE Water	OM65	OM65 DPE Water publishes on its website an annual statement on interjurisdictional participation and performance against interstate agreements.	OM65 Data Murray-Darling Ministerial Council: Participation: 100% (Meetings held/attended: 2/2) Basin Officials Committee: Participation: 100% (Meetings held/attended: 7/7; Workshops held/attended: 5/5) Basin Officials Committee Principals: Participation: 100% (Meetings held/attended: 5/5) Basin Officials Committee Alternates: Participation: 100% (Meetings held/attended: 5/5; Workshops held/attended: 6/6) Environmental Watering Committee: Participation: 100% (Meetings held/attended: 3/3) River Murray Operations Committee: Participation: 100% (Meetings held/attended: 8/8) Joint Venture Budget and Performance Committee: Participation: 100% (Meetings held/attended: 7/7; Workshops held/attended: 1/1) Sustainable Diversion Limit Adjustment Mechanism Implementation Committee: 0 meetings/workshops held. Northern Basin Project Committee: Participation: 100% (Meetings held/attended: 4/4; Workshops held/attended: 1/1) Capacity Policy Working Group: Participation: 100% (Meetings held/attended: 4/4) National Water Reform Committee: Participation: 100% (Meetings held/attended: 4/4) National Water Initiative Working Group: Participation: 100% (Meetings held/attended: 4/4) Dumaresq-Barwon Border Rivers Commission: Participation: 100% (Meetings held/attended: 4/4) Great Artesian Basin Senior Officials Committee: 0 meetings/workshops held.	OM65 Data	Status On track	OM65 Comment NSW will publish an annual statement demonstrating its interjurisdictional participation and performance against interstate agreements for each year of the determination period. NSW actively and fully participates in the relevant interstate processes to manage water according to the key interstate agreements. This includes full participation in inter-jurisdictional committees to progress interstate water management, water sharing arrangements and water reform initiatives. Key committees/groups include, but are not limited to: -Murray-Darling Ministerial Council -Basin Officials Committee -Basin Officials Committee Principals -Basin Officials Committee Alternates -Environmental Watering Committee -River Murray Operations Committee -Joint Venture Budget and Performance Committee -Sustainable Diversion Limit Adjustment Mechanism Implementation Committee -Northern Basin Project Committee -Capacity Policy Working Group -National Water Reform Committee -National Water Initiative Working Group -Dumaresq-Barwon Border Rivers Commission -Great Artesian Basin Senior Officials Committee
	DPE Water	OM66	OM66 Additional IPART performance indicator annual statement published.	OM66 Data n/a - no performance indicators have been set by IPART for W06-07	Status Met	OM66 Comment No performance indicators have been set by IPART for W06-07, however, NSW will publish an annual statement demonstrating its interjurisdictional participation and performance against interstate agreements each year (as per OM65).	

W07-01 Water management works The undertaking of water management works to reduce the impacts arising from water use or remediate water courses. Relevant OM numbers include: - OM67 - OM68	DPE Water	OM67	OM67 Length of river remediated Output = 12km	OM67 Data 2.75km	Status At risk	OM67 Comment Delayed development of Annual Works Plan due to inability to undertake bank erosion monitoring as a result of the floods (Q1-Q2). Past years assessment used to inform delivery for 23FY; however, resulted in reduced program of works. Site works commenced late Q3 once sites became accessible and flood waters receded.
			Performance Indicator High priority areas of erosion identified and remediated = 90%	Performance Indicator Data 77%	Status At risk	Performance Indicator Comment Delayed development of Annual Works Plan due to inability to undertake bank erosion monitoring as a result of the floods (Q1-Q2). Past years assessment used to inform delivery for 23FY; however, resulted in reduced program of works. Site works commenced late Q3 once sites became accessible and flood waters receded. Anecdotal evidence suggests that the impact of floods have caused a significant increase in bank erosion within this river reach which will affect achievement of this target.

			Channel capacity at Tumut = >=9,200 ML/day	7,402 ML/day	At risk	Recent high rainfall and floods have affected Snowy Hydro operations means the channel capacity performance target has not yet been met. Notwithstanding the fact the target has not yet been met, channel capacity has increased since FY22 where average flows were 6,461ML/day (23% increase). Of note: 6 of the 12 months reported monthly flow rates >8,000ML/day (on average) which is largely correlated to the flooding event.
	DPE Water	OM68	OM68 Rolling 3-year average of salt diverted from the Murray River system = >50,000 t/year	OM68 Data 47,999 t/year	Status At risk	OM68 Comment Site inundation due to flooding in Q2 and Q3 resulted in the scheme being shutdown for a number of months resulting in the target not being met. Scheme now partially operational, with majority of flood impacted infrastructure now repaired.
			Performance Indicator Maintain net credit (EC) balance for NSW on the BSM2030 Salinity Register = >20 EC.	Performance Indicator Data 12 accumulated as of 2022/23	Status On track	Performance Indicator Comment Output of 7 in 2022-23 and 5 in 2022-23.

W08-01 Regulation systems management The management, operation, development and maintenance of the register for access licences, approvals, trading and environmental water.	WNSW	N/A	Performance Indicator System availability = 95%	Performance Indicator Data	Status Met	Performance Indicator Comment
			Security and privacy of user data measured through audit = No major non-conformances	The NSW Water Register has a system availability of 99% with minimal downtime due to system upgrades, windows patching and disaster recovery activities.	Met	The performance indicator has been met for 2022-23 and remains on track to be met within the determination period (2021-25)
			No "major non-conformances" have been reported in relation to the security and privacy of user data within the NSW Water Register.		Met	The WaterNSW Privacy Working Group have determined the WNSW Water Register to be Category 1, which is the lowest risk rating, in relation to the management of confidential user data.

W08-02 Consents management and licence conversion The transcribing of water sharing provisions into licence conditions and the conversion of licences to the Water Management Act 2000.	DPE Water & WNSW	OM69	OM69 WSP rules are enforceable because the plan mandatory conditions are reflected on the licence	OM69 Data 100%	Status On track	OM69 Comment 1 plan was remade in 2022-2023 and its conditions are reflected on the relevant licences. All water sharing plans now have conditions that are reflected on licences. As water sharing plans are amended or replaced, the conditions may need amending, however until the conditions are updated, the old conditions stand.
			Performance Indicator Rule changes are reviewed to identify whether condition changes are necessary within 3 months of the event requiring = 100%	Performance Indicator Data 100%	Status Met	Performance Indicator Comment All WSP amendments were reviewed within 3 months of the commencement of the amendment to determine if conditions require changes.
			Necessary changes to conditions are notified to the licence/approval holder within 6 months of the event requiring notification = 100%	0%	Not met	There was only one WSP amendment due for notification 2022-2023. We did not complete the work with 6 months, as it was deemed a lower priority than notification of 2 x Water Regulation amendments which involved notifications across 24 water sharing plan areas. For a remade plan the process of drafting and implementing new conditions takes on average 8 months, as per our PPM. If multiple plans are remade at the same time, which regularly occurs, they need to be prioritised, which means that this target will often not be met. Not meeting the target is acceptable in cases such as the above where regulation amendments that impact on a large cohort of WSPs are required. In addition as most plans are remade on 1 July, if we achieved the work within 6 months, notification would be required to occur around the Christmas break. WaterNSW are unwilling to undertake condition notification events at this time, and it could also place additional strain on the postal system at its busiest time. Internal reporting on this metric for NSW priority reporting is an 8 month timeframe, and we will propose that this be adopted for the next determination period.

W08-03 Compliance management The on-ground and remote monitoring activities (including investigations and taking statutory actions) to ensure compliance with legislation, including licence and approval conditions. Relevant OM numbers: - OM70 - OM71 - OM72 - OM73	NRAR	OM70	OM70 Publish on NRAR website compliance activity by water sharing plan on a quarterly basis including observed levels of compliance and noncompliance. Output = 100% coverage of WSPs per month	OM70 Data 100%	Status Met	OM70 Comment 3 quarters have been updated and published on the NRAR website and data is being gathered for Q4 FY23 with a view to publishing as soon as the data has been checked.
	NRAR	OM71	OM71 Publish annual progress reports Output = 5	OM71 Data 5	Status Met	OM71 Comment All available progress reports have been published.
	NRAR	OM72	OM72 Community benchmarking survey (2 yearly) Output = 2	OM72 Data 2	Status Met	OM72 Comment Four2 Consulting have commenced the first combined 'water sector survey'. It replaces NRAR's community benchmarking survey to measure public confidence. The survey targets the regulated community, stakeholder groups and the public on behalf of all three agencies (NRAR/DPE/WaterNSW). The survey aims to better understand the regulated community and its needs and evaluate any changes in the community attitude towards water regulation and NRAR overtime, including community confidence in enforcement. It provides a baseline to help track high-level community views and confidence on the enforcement of water laws and the regulator since its inception. This information can be used to inform NRAR's strategic direction. Both quantitative and qualitative feedback will be collected via: <ul style="list-style-type: none"> · Voice of Customer survey – approximately 1,200 sample from the NSW Water Register. · Stakeholder sentiment interviews – targeting 60 stakeholders across government agencies and councils, peak bodies, Aboriginal stakeholders, recreational water users. · General public sentiment interviews – approximately 450 sample of non-licensed holders across metro, regional, and rural communities. As of mid-July 2023, the water sector survey is 81% complete. The Voice of Customer and stakeholder surveys are currently in the market and will be completed by end of July. The public sentiment survey has been completed. NRAR will be presented with results in August 2023.
	NRAR	OM73	OM73 Water licence holders audited and/or inspected each year Output = 1,722 per year	OM73 Data 4,431 per year	Status Met	OM73 Comment NRAR has increased its Outreach Program, resulting in more audits completed on the ground.
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment

		Incoming public reports assessed and prioritised within 5 days working days of receipt = 90%	71%	Not met	NRAR underwent a restructure in Q2 which saw much disruption to functions but included a dedicated triage coordinator. The long-term performance has improved including NRAR exceeding the KPI in Q4 but the annual performance is impacted by earlier disrupted quarters.
		High priority cases assigned to an investigator within 15 working days of receipt = 90%	75%	Not met	NRAR underwent a restructuring in Q2 which saw much disruption to functions. Concurrently, NRAR increased the level of upfront assessment to ensure greater efficiency and effectiveness in the following stages within the organisation. The measured metrics have since exceeded the target, but the annual performance is impacted by earlier disrupted quarters.
		Public informants will be contacted (by letter or a telephone call) within 15 working days of lodging an alleged breach with NRAR = 90%	100%	Met	100% of calls to hotline and web submissions are responded to with a reference number at the time of contact.

W09-01 Water consents transactions Transactions undertaken on a fee for service basis, including dealings, Comments, charges to conditions and new applications for water licences and approvals. Relevant OM numbers include: - OM74 - OM75 - OM76	DPE Water & WNSW	OM74	OM74	OM74 Data	Status	OM74 Comment		
			Water access licence applications Forecast = Water NSW Water access licences: 210 per year Water NSW Water access licence dealings: 862 per year NRAR Water access licences: 16 per year.	NRAR Water access licences: 48 in 2022/23 140 Water Access Licences determined in 22/23 630 WAL dealings determined in 22/23 (OM on Track-NSW)	Met	9 SPALS which require groundwater referral and assessment 30 CAOs 9 Zero Share WALs lower volume impacted by wet weather conditions		
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment		
			Water Access Licence – applications determined within 45 days = 80%	54% 96% determined within 40 days (PI Mel-WNSW)	At risk	11 Days for Zero Share WALs 115 Days for SPALS 48 Days for CAOs		
			DPE Water & WNSW	OM75	OM75	OM75 Data	Status	OM75 Comment
			Works and Use Approvals – applications Forecast = Water NSW: 2,097 per year NRAR: 131 per year	131 792 water supply works, use and combined approvals determined in 22/23 (OM on Track-NSW)	Met	On track due to being within 15% of the forecast number of applications. 97 Groundwater applications Unseasonal weather patterns – last half of 2022 was very wet, first half of 2023 was very dry.		
	Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment				
	Works and Use Approvals – applications determined within 65 days = 80%	56% 85% determined within 60 days (PI Mel-WNSW)	At risk	98 Days Average Date includes days spent at internal referral to the groundwater team, which adds significant delays. This output measure/performance indicator is not realistic for applications that need to be referred to the DPE Water Science hydrogeologists. The current timeframe for review by DPE Water Science hydrogeologists is 60 working days.				
	DPE Water & WNSW	OM76	OM76	OM76 Data	Status	OM76 Comment		
	Approval extensions Forecast = Water NSW: 13,079 (2021–22 to 2024–25) NRAR: 269 per year	222 2,442 extensions determined (OM on Track-NSW)	Met	Specifying a forecast/target number for approval extensions is difficult as the number of applications varies each year due to commencement dates of the various water sharing plans. The target number cannot be used as a measure of performance.				
	Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment				
	Approvals extensions – applications determined within 25 days = 80%	89% 98% determined within 20 days (PI Mel-WNSW)	Met	9.5 Days Average				

W10-01 Customer management All customer liaison activities, including responding to calls to licensing and compliance information lines; and producing communication and education materials such as website content and participation in customer forums. Relevant OM numbers: - OM77 - OM78	NRAR, DPE Water & WNSW	OM77	OM77	OM77 Data	Status	OM77 Comment
			Number of customer enquiries received Forecast = NRAR: 6,981 calls per year and 14,259 emails per year	NRAR/DPE Water: 1537 tickets and 1080 calls WNSW: Total WAMC-related Customer Contacts (to WaterNSW) in 2022-23: 16,284 by phone 7,226 via email/fax/webform	Not met	NRAR has transferred the licenses and approvals function to DPE Water, meaning OM77 is now reported by DPE Water instead of NRAR. OM77 is a shared WAMC activity between DPE Water and Water NSW. OM77 was set in 2020, based on 2019 drought year data where a large volume of calls were received. The measure was set as an NRAR measure only and reflected NRAR touch points with external users at the time. NRAR and DPE Water confirm that 1537 tickets and 1080 calls were received in FY22/23. The reason for the low numbers compared with the measure is due to not receiving the expected large volume based on 2019 drought year numbers. WaterNSW made 16,284 calls and send 7,226 emails in FY22/23. WaterNSW calculated these results using the 'licensing'-associated queues and wrap up codes from the phone system, or category code in ServiceNOW (emails). NRAR has enhanced its education and outreach efforts to proactively address stakeholder needs, reducing the necessity for stakeholders to make contact. NRAR still engages with customers frequently through proactive measures but considers this inline with compliance management W08-03. Whilst OM77 was not met based on the measure in place, it was actually met when considering WNSW results and proactive methods that NRAR has undertaken so that customer do not need to call in a reactive manner.
			Performance Indicator	Performance Indicator Data	Status	Performance Indicator Comment

			<p>Emails responded to within 24 hours = 90%</p> <p>100%</p> <p>WNSW: 7,226 electronic requests (emails, fax, webforms) were received. 100% of Customers are provided an automated acknowledgement once their enquiry has been lodged</p>	<p>Met</p>	<p>NRAR has an automated system to respond to any incoming enquires.</p> <p>WNSW: 7,226 electronic requests (emails, fax, webforms) were received that were WAMC-related, an increase of almost 1,000 on last year.</p>	
<p>W10-01</p> <p>Customer management</p> <p>All customer liaison activities; including responding to calls to licensing and compliance information lines; and producing communication and education materials such as website content and participation in customer forums.</p> <p>Relevant OM numbers: - OM77 - OM78</p>	<p>NRAR & WNSW</p>	<p>OM78</p>	<p>OM78</p> <p>Number of complaints received per year (Water NSW) Forecast = 389</p>	<p>OM78 Data</p> <p>In 2022-23, 82 complaints were received relating to WAMC activities.</p>	<p>Status</p> <p>On track</p>	<p>OM78 Comment</p>
			<p>Performance Indicator</p> <p>Complaints resolved within 28 days = 90%</p>	<p>Performance Indicator Data</p> <p>70% of complaints received were resolved within 28 days, excluding ministerial and ombudsman related matters. The higher than usual closure time % was due to complex matters requiring lengthier investigations e.g. flooding which equated to 4 of the 10 complaints that were not closed in 28 days. If we were to remove flooding related complaints, the actual score would be 87%</p>	<p>Status</p> <p>Not Met</p>	<p>Performance Indicator Comment</p> <p>70% of complaints received were resolved within 28 days, excluding ministerial and ombudsman related matters. The higher than usual closure time % was due to complex matters requiring lengthier investigations e.g. flooding which equated to 4 of the 10 complaints that were not closed in 28 days. If we were to remove flooding related complaints, the actual score would be 87%</p>
			<p>Achieve 68% score for 'Skyline' composite measure and publish regularly the results</p>		<p>Status</p> <p>Not Met</p>	
<p>W10-03</p> <p>Billing Management</p> <p>The management of billing requirements and subcontracted billing, revenue collection and debtor management service delivery, and responding to queries on billing activities.</p>	<p>DPIE Water</p>	<p>OM79</p>	<p>OM79</p> <p>Expected number of accounts billed in each year Forecast = 38,915 per year</p>	<p>OM79 Data</p> <p>39,376 accounts were billed in 22/23</p>	<p>Status</p> <p>Met</p>	<p>OM79 Comment</p>
			<p>Performance Indicator</p> <p>% accounts billed in the year = 95%</p>	<p>Performance Indicator Data</p> <p>100% - Target Met</p>	<p>Status</p> <p>Met</p>	<p>Performance Indicator Comment</p>

Performance indicator

Select Assessment
Met
Partially met

Not Yet Met