

Performance against WAMC Output Measures Repo				2021-22 Reporting		
Activity	Agency	Output Measure number	Measures and Indicators	Output measure data - Progress for 2021-22  Performance indicator data - Performance for the year 2021-22		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 2021-22 - Is there any additional information explaining the result?
<b>W01-01</b> <b>Surface water quantity monitoring</b> 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	<b>OM1</b> Number of water monitoring sites: Forecast = 437	417 surface water sites had data collected during the 2021/22 period.	On track	<b>OM1 Comment</b>
			<b>Performance indicator</b> Sites in acceptable condition % of replacement cost of monitoring sites in condition grade 2 or better = 5%  % of level data with a quality code better than 40 = 95%	<b>Performance indicator</b> Available dataset reports acceptable condition of 94.6% for the 85 sites reported.  84.0% of level data collected had a quality code better than 40.	Substantially met	<b>Performance indicator Comment</b> This is a new performance measure introduced in 2022, full dataset not available and additional data collection is in progress for the remaining network.
<b>W01-02</b> <b>Surface water data management and reporting</b> 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	<b>OM2</b> Number of sites subject to data management: Forecast = 437	417 surface water sites had data collected during the 2021/22 period.	On track	<b>OM2 Comment</b>
			<b>Performance indicator</b> % of sites where data is available within 3 hours = 90%	90.1% of sites had data available within 3 hrs of collection.	Met	<b>Performance indicator Comment</b>
<b>W01-03</b> <b>Surface water quality monitoring</b> 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	<b>OM3</b> Number of sites visited per year to collect water quality samples: Forecast = 125	125 sites of the SWAMP program that were visited in the 2021-22 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.	Met	<b>OM3 Comment</b>
			<b>W01-03</b> <b>OM4</b>	<b>OM4</b> Number of tests undertaken per year: Forecast = 26,750	31,052 tests number as per the measured analytes and stations listed in the Table 3.5 of the 3.3.5 section of the Water Monitoring Program and the new RRA schedule.	Met
			<b>Performance Indicator</b> % compliance against monitoring program requirements = 98%	99.2%	Met	<b>Performance Indicator Comment</b> Some sites not accessible due to wet weather access and COVID travel restrictions.
<b>W01-05</b> <b>Surface water ecological condition monitoring</b> 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	DPIE Water	OM6	<b>OM6</b> Update of River Styles database undertaken to support water sharing plan (WSP) development. Measure by number of plans: - Output = 50%	River Styles updates have been completed for most of NSW. Updates of remaining areas (current focus is on Macleay, Macquarie, Castlereigh, Gwydir and Lachlan) have been delayed by competing priority projects and SSD assessments.  40% complete.	On track	<b>OM6 Comment</b> The output measure is on track to be completed in 22/23 financial year. It was not completed in 21/22 due to conflicting priority with coastal Water Sharing Plan replacements and an increased SSD Assessment workload for geomorphologists.
			<b>Performance Indicator</b> Update of River Styles completed in time for WSP evaluation = 100%	River Styles NSW mapping layer is currently being prepared for publication for December 2022. Hence the update will be completed in time for commencement of WSP Evaluation environmental reports in 2023.  90%	Substantially met	<b>Performance Indicator Comment</b> Completion of River Styles components in time for projected Evaluation report timeframes is expected to be achieved. As of June 2022 90% complete but as evaluation reports delayed to 2023 then performance target will be met.
<b>W01-05</b>	DPIE	OM7	<b>OM7</b>			<b>OM7 Comment</b>

OM7	Water		Update of RCI undertaken to support WSP development. Measure by number of plans: Output = 50%	River Condition Index will be 100% complete December 2022 and hence available to support WSP development.  As of November 2022 the River Condition Index is 85% complete with on track project completion expected December 30 2022.	On track	The output measure is on track to be completed in 22/23 financial year. It was not completed in 21/22 due to conflicting priority with coastal Water Sharing Plan replacements.	
		<b>Performance Indicator</b>	Update of RCI completed in time for WSP evaluation = 100%	The RCI will be complete for commencement of WSP Evaluation environmental reports in 2023. 100% expected by December 2022.	Substantially met	<b>Performance Indicator Comment</b> River Condition Index is being completed as a single state-wide batch with completion on track and due December 2022.	
W01-05	DPIE Water	OM8	OM8	Update of WaQI undertaken to support WSP development. Measure by number of plans: Output = 50%	Water Quality Index has been updated for all WSP areas in NSW. Measure is available for WSP replacement process.	OM Met	The output measure is on track to be completed in 22/23 financial year. It was not completed in 21/22 due to conflicting priority with coastal Water Sharing Plan replacements.
			<b>Performance Indicator</b>	Update of WaQI completed in time for WSP evaluation = 100%	Water Quality Index is available in time for WSP evaluation environmental reports.	PI Met	<b>Performance Indicator Comment</b> State wide Water Quality Index will be published on DPE website as a component of the River Condition Index December 2022.
W01-05	DPIE Water	OM9	OM9	Coverage of river and groundwater HEVAE extended to coastal WSP areas	River HEVAE is 80% complete with Clarence, Nambucca and Macleay areas remaining. Groundwater dependent ecosystem HEVAE is complete.  80% achieved.	On track	Priority completion of river HEVAE is aligned with priority WSP revision timetable.
			<b>Performance Indicator</b>	River and groundwater HEVAE extended to cover coastal WSP areas in time for plan evaluation = 100%	River and Groundwater dependent ecosystem HEVAE will be available in time for WSP evaluation environmental reports.  90% currently achieved.	Substantially met	<b>Performance Indicator Comment</b> River HEVAE is available on DPE website. Groundwater dependent ecosystem HEVAE is published to SEED. Note timeline changes for WSP priority revision has delayed completion of Macleay.
W01-05	DPIE Water	OM10	OM10	Coverage of river and groundwater HEVAE extended to coastal WSP areas	NB identical to OM9	Select Assessment	Delete
			<b>Performance Indicator</b>	River and groundwater HEVAE extended to cover coastal WSP areas in time for plan evaluation = 100%		Select Assessment	Delete
W01-05	DPIE Water	OM11	OM11	WaQI extended to coastal WSP areas	The WaQI has been extended to and completed for all coastal WSP areas.  100% complete.	OM Met	<b>OM11 Comment</b> The output measures have been completed.
			<b>Performance Indicator</b>	WaQI extended to cover coastal WSP areas in time for plan evaluation = 100%	The WaQI is complete and ready for compilation of WSP Evaluation environmental reports.  100% complete.	PI Met	<b>Performance Indicator Comment</b> The performance indicator has been achieved.
W01-05	DPIE Water	OM12	OM12	WaQI incorporated into the RCI	The WaQI has been incorporated into the River Condition Index as 1 of 6 components.	OM Met	<b>OM12 Comment</b> Note OM8 comment
W01-05	DPIE Water	OM13	OM13	River Styles, WaQI, RCI and HEVAE available on DPIE website	River Styles and HEVAE are currently available on the DPE website. GDE HEVAE is available on SEED. River Condition Index and WaQI will be available on DPE website January 2023. In addition WaQI is available currently as technical report and WQ annual reports.	OM Met	<b>OM13 Comment</b> Completion of output measures will be achieved in 22/23 year.
W01-05	DPIE Water	OM14	OM14	Technical reports for HEVAE and WaQI peer reviewed and published on DPIE website	HEVAE Technical report (2018) is published on the DPE website. The WaQI method is currently being externally peer reviewed and will be published December 2022.  Expected to be achieved December 2022.	On track	<b>OM14 Comment</b> On track for completion within the determination period.
			<b>Performance Indicator</b>	Technical reports for HEVAE and WaQI updates peer reviewed and published on DPIE website within 3 months of completion = 100%	Expected to be achieved December 2022.	Substantially met	<b>Performance Indicator Comment</b> WaQI has been developed in line with the River Condition Index and is currently (Nov 2022) undergoing external peer review.
W02-01	DPIE Water	OM15	OM15	Number of water monitoring sites: Forecast = 4,384 (excludes coal seam gas monitoring sites)	3,800 actively monitored (433 telemetered+ 3367 non-telemetered) Ground Water stations that were reported in 2021-22, checked against the site list in new RRA Schedule.	On track	<b>OM15 Comment</b>
			<b>Performance Indicator</b>				<b>Performance Indicator Comment</b>

provision and the maintenance and operation of groundwater monitoring bores.			Sites in acceptable condition % of replacement cost of monitoring sites in condition grade 2 or better = 95%  % of level or pressure data with a quality code better than 40 = 95%	93.6% of data with a quality code better than 40 for 3367 non-telemetered bores' data. 66.8% of data with a quality code better than 40 for 433 telemetered bores' data.	Substantially met	Some sites not accessible due to wet weather access and COVID travel restrictions.
<b>W02-02</b> <b>Groundwater quality monitoring</b> 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	DPIE Water	OM16	OM16 Number of sites visited per year to collect water quality samples: Forecast = 163 (excludes coal seam gas monitoring sites)	146 Gound Water stations with quality data that were reported on WQDB in 2021-22 water year, checked against the site list in the new RRA Schedule. RRA Schedule has an agreed target of 153 active sites.	On track	OM16 Comment
<b>W02-02</b> <b>OM17</b>	DPIE Water	OM17	OM17 Number of samples undertaken per year: Forecast = 360 (excludes coal seam gas monitoring sites)  <b>Performance Indicator</b> % compliance against monitoring program requirements = 98%	305 Gound Water samples were reported for the 2021-22 water year. The new RRA schedule only includes 340 active sites.  95.4% of scheduled site visited. 89.7% of forecasted number of samples undertaken.	On track  Substantially met	OM17 Comment  Performance Indicator Comment Some sites not accessible due to wet weather access and COVID travel restrictions.
<b>W02-03</b> <b>Groundwater data management and reporting</b> 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.	DPIE Water	OM18	OM18 Number of sites subject to data management: Forecast = 4,384 (excludes coal seam gas monitoring sites)  <b>Performance Indicator</b> % of sites where data is available daily = 90%	4,538 Gound Water water sites had data collected during the 2021/22 period.  90.1% of sites had data available within 3 hrs of collection.	OM Met  PI Met	OM18 Comment  Performance Indicator Comment
<b>W04-01</b> <b>Surface water modelling</b> 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	DPIE Water	OM19	OM19 Number of documented model performance reviews during the year: Output = 5 per year  <b>Performance Indicator</b> % models reviewed and reported against accuracy and reliability criteria set out in modelling guidelines = 100%	no model performance reviews have been conducted. No reliability criteria are specified in modelling guidelines.  no model performance reviews have been conducted. No reliability criteria are specified in modelling guidelines.	On track  PI Not Met	OM19 Comment Guidelines are being developed.  Performance Indicator Comment
<b>W04-01</b> <b>OM20</b>	DPIE Water	OM20	OM20 Number of models updated with an additional year of climate and hydrologic data: Output = 15 per year	met to date.	OM Met	OM20 Comment The annual compliance checking for SDL, CAP and LTAEL requires an additional year of climate and hydrological data to be added to each model. This work is nearing completion now and will be finished before EOFY.
<b>W04-02</b> <b>Groundwater modelling</b> 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	DPIE Water	OM21	OM21 Number of documented model performance reviews during the year: Output = 4 per year  <b>Performance Indicator</b> % models meeting accuracy and reliability criteria stipulated by the Australian Groundwater Modelling Guidelines = 100%	Review of Peel Model. Review of Lower Murray Model. Review of Upper Namoi Model. Review of Lower Gwydir Model. Review of Lower Namoi Model.  Model performance reviews 90% complete. The accuracy and reliability criteria being the SRMS statistic is met on 4 out of 5 models.	OM Met  Substantially met	OM21 Comment Target has been exceeded as more models were reviewed due to some destined for later years being brought forward.  Performance Indicator Comment Models are currently being worked on to improve the accuracy and reliability criteria for specific areas in certain models.
<b>W04-02</b> <b>OM22</b>	DPIE Water	OM22	OM22 Number of models updated with an additional year of climate and hydrologic data: Output = 2 per year	Upper Namoi Model updated. Lower Murray Model updated. Lower Namoi Model updated.	OM Met	OM22 Comment On track.
<b>W04-03</b>	DPIE Water	OM23	OM23			OM23 Comment

<b>Water resource accounting</b> 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	water		Publication of detailed General Purpose Water Allocation Reports (GPWARs): Output = 9 (covering 11 sources) per year	A water account for the 2020-21 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)	On track	On track.
			<b>Performance Indicator</b> GPWARs published within 12 months of the end of the water year = 100%	Fully met - 100%	PI Met	<b>Performance Indicator Comment</b> All reports were published prior to June 30 2022.
<b>W04-03</b> <b>OM24</b>	DPIE Water	OM24	<b>OM24</b> Reports to meet state and federal compliance reporting obligations.	Resource accounting reports were produced to service 21-22 reporting obligations		<b>OM24 Comment</b> 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
					OM Met	
<b>W05-01</b> <b>Systems operation and water availability management</b> 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 Commitment of compliance with long term extraction limits.  Relevant OM numbers: - OM25 - OM26 - OM27 - OM28 - OM29	DPIE Water	OM25	<b>OM25</b> A theme-based WSP implementation program established and published.	The department has drafted 12 Theme Outlines as part of the WSP Implementation program. Each Outline describes the tasks, responsibilities, processes, inter theme relationships, governance, gaps and annual workplans for the water sharing plan implementation theme. The 12 themes correspond to one or more water sharing activities: - Determining water availability and sharing rights - Issuing and managing licenses, work approvals and trade - Real time resource and extraction management - Adaptive water resource management  The department has developed and implemented a Water Management Hub. The Hub is an internal data management system to help store and provide access to key water sharing plan implementation information for more efficient and accurate work practices, including data on WSP and FMP amendments and audits and reviews	On track	<b>OM25 Comment</b> Output measure is on track. Performance indicator targets have been met for 2021-22.
					OM Met	
<b>W05-01</b> <b>OM26</b>	DPIE Water	OM26	<b>OM26</b> 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.	The department published an initial effectiveness review of water sharing plan implementation on the DPIE Water website. The review included an assessment of status along with actions the department is taking to improve implementation of water sharing rules.  A new method for assessing effectiveness of implementation through the the WSP Implementation program is in progress. Insights collected from these reviews will inform Annual effectiveness reporting (OM26).	OM Met	<b>OM26 Comment</b> Output measure is on track. Performance indicator targets have been met for 2021-22.
					OM Met	
<b>W05-01</b> <b>OM27</b>	DPIE Water	OM27	<b>OM27</b> 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	LTAEL compliance assessments were undertaken for the first time in 2022 for priority water sharing plans. Non-compliance was detected in the Border Rivers and Gwydir and growth-in-use-action was undertaken	On track	<b>OM27 Comment</b> Output measure is on track.
			<b>Performance Indicator</b> 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.	LTAEL assessments done for all regulated water sharing plans except NSW Murray (as the model is owned by the MDBA) and the Lower Darling - the latter 2 will be reported on for the first time in 2022/23. LTAEL assessment was also completed for the Barwon-Darling unregulated water sharing plan.  There was a non-compliance assessment against the LTAEL for both the Border Rivers and Gwydir water sharing plans due to floodplain harvesting licences not coming into effect before 1 July 2022. Growth in use action was taken to reduce allocations to bring compliance to be within LTAEL. Available Water Determinations were restored to 100% in mid-August 2022 once floodplain harvesting licensing came into effect.	PI Met	<b>Performance Indicator Comment</b> Performance indicator targets have been met for 2021-22
<b>W05-01</b> <b>OM28</b>	DPIE Water	OM28	<b>OM28</b> Snowy licence review implemented by 2022.	10 of 23 actions from the Review were implemented in 2020. The remaining 13 actions are being progressed. The timeframe has been extended to 2023 to incorporate integrated modelling being developed through the NSW Regional Water Strategies.	On track	<b>OM28 Comment</b>
<b>W05-01</b> <b>OM29</b>	DPIE Water	OM29	<b>OM29</b> AWDs and allocation statements released for each WSP	AWDs have been announced on time in 2022/23 for all NSW water sources. Regulated river water sources without full allocations have been regularly assessed in 2022/23 and where appropriate allocations progressively increased in accordance with respective water sharing plans.	On track	<b>OM29 Comment</b>
			<b>Performance Indicator</b> AWDs published on website within 1 week of being made = 100%	Resource assessments and announcements were successfully made for all NSW water sources in 2021/22. A total of 92 water allocation statements were publicly provided in 2021/22 to inform water users of their water allocation and their water availability position and outlook.	PI Met	<b>Performance Indicator Comment</b>
<b>W05-02</b> <b>Blue-green algae management</b> 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	DPIE Water	OM18	<b>OM18</b> Algal risk management plans for each region are implemented.	A review of the individual regional guidelines was completed in 2021-22 with updates specific to each region. The state-wide guidelines were not updated as the NHMRC Guidelines for Managing Risks in Recreational Waters have not been updated.	On track	<b>OM18 Comment</b>
			<b>Performance Indicator</b>			<b>Performance Indicator Comment</b>

			% reports meeting weekly timeframe to regional algal coordinating committees and state algal coordinator of alert levels based on algal data = 100% % actions implemented in accordance with algal risk management plan and guidelines = 100%	100% of weekly alert updates have been sent through to the relevant stakeholder groups. Reporting frequency has reduced in some regions through the cooler months. All actions were completed in accordance with algal risk management plans. Of these 98.6% were completed within set timeframes from results received.	PI Met	
<b>W05-03</b> Environmental water management The development and collaborative governance of environmental flow strategies and Comments, and the use of environmental water to achieve environmental outcomes.  Relevant OM numbers include: - OM31 - OM32 - OM33 - OM34	DPIE Water	OM31	OM31 Prerequisite policy measures – adaptive process in place to recognise return flows from environmental water.  Return flow accounting approaches have been developed for the Murrumbidgee, Weral Forest, the Great Darling Anabranch and the Lower Darling River. These are all custom-built methods and are being continuously improved.  Return flow recognition methods are developed in collaboration with the Allocations team, WNSW and EWHs. Prior to implementation the methods are discussed and agreed with the PPMs working group, SCBEWC, EHG, WNSW, the MDBA, and the CEWO.  Annual review reports for Prerequisite Policy Measures are published on the Environmental Water Hub. Reports from 2019-20 and 2020-21 are available. The 2021-22 review report is currently being drafted. The link is <a href="https://www.industry.nsw.gov.au/water/environmental-water-hub/working-on/prerequisite-policy-measures">https://www.industry.nsw.gov.au/water/environmental-water-hub/working-on/prerequisite-policy-measures</a>	The department conducts an annual review of how PPMs have been implemented. This includes consideration of how return flows are accounted. The procedures manual is also updated according to advancements, improvements and recommendations from the annual review. Other recommendations become part of the PPMs workplan for implementation.  Return flow accounting approaches have been developed for the Weral Forest, the Lower Darling River and the Great Darling Anabranch. These are all custom-built methods and are being continuously improved.  Return flow recognition methods are developed in collaboration with the Allocations team, WNSW and EWHs. Prior to implementation the methods are discussed and agreed with the PPMs working group, SCBEWC, EHG, WNSW, the MDBA, and the CEWO.  Annual review reports for Prerequisite Policy Measures are published on the Environmental Water Hub. Reports from 2019-20 and 2020-21 are available. The 2021-22 review report is currently being drafted. The link is <a href="https://www.industry.nsw.gov.au/water/environmental-water-hub/working-on/prerequisite-policy-measures">https://www.industry.nsw.gov.au/water/environmental-water-hub/working-on/prerequisite-policy-measures</a>	On track	OM31 Comment Output measure is on track. Performance indicator targets have been met for 2021-22.
			<b>Performance Indicator 1</b> Agreement – eWater managers, Water NSW and SCBEWC agree the process for recognising return flows.	Return flow accounting approaches developed for the Weral Forest, the Lower Darling River and the Great Darling Anabranch. Two PPMs working group meetings were held. The 2020-21 Annual Review Report was completed and published.	Partially met	<b>Performance Indicator 1 Comment</b> Two PPMs working group meetings and several meetings held to discuss options for return flow accounting. Environmental water managers, WNSW and DPE-Water agreement on the process was always achieved.
			<b>Performance Indicator 2</b> Annual report on PPMs implementation published on DPIE website.		Partially met	<b>Performance Indicator 2 Comment</b> The two annual review reports are here: <a href="https://www.industry.nsw.gov.au/water/environmental-water-hub/working-on/prerequisite-policy-measures">https://www.industry.nsw.gov.au/water/environmental-water-hub/working-on/prerequisite-policy-measures</a> .
<b>W05-03</b> OM32	DPIE 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.	Review report complete and published in the department's website.  The review of the targets and public consultation on this has been occurring via the Western Regional Water strategy. This step is nearly finalised.	On track	OM32 Comment We are behind on developing the procedures manual and adoption by WaterNSW, this is because of the additional modelling undertaken as part of the Western Regional Water Strategy to assess the proposed changes to the targets in the interim North West Flow Plan in the review report, and thence stakeholder consultation on these. We are currently developing a project delivery plan for this step.
<b>W05-03</b> OM33	DPIE Water	OM33	OM33 Snowy Licence – Evaluate using the Mowamba River to provide environmental water to the Snowy River.	DPE-EHG leading investigation, which is ongoing. Ecological and social assessment undertaken. Next step is feasibility assessment.	On track	OM33 Comment Target on track
<b>W05-03</b> OM34	DPIE 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.	DPE-EHG leading investigation, which is ongoing. Ecological and social assessment undertaken. Next step is feasibility assessment.	On track	OM34 Comment
<b>W05-04</b> 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.  Relevant OM numbers include: - OM35 - OM36	DPIE Water	OM35	OM35 WSP risk Comments prepared: Output = 25  Performance Indicator WSPs with risk Comments available prior to remake date = 100%	Thirteen environmental Risk Assessment reports related to the Coastal WSP revision schedule were provided to Water Planning in 2021/22. This was the total required as per WSP revision schedule. The WSP areas were: Tweed, Richmond, Coffs Harbour, Lower North Coast, Hunter, Central Coast, Towamba, Bega, Greater Metro volumes 1 to 5.  100% of the WSP revisions had environmental Risk Assessment comments available during the revision process. Note some of the WSP revisions were delayed due to impacts of flooding on local communities (eg Richmond WSP).	OM Met  PI Met	OM35 Comment Target environmental risk assessment reports was met for 2021/22 year.  <b>Performance Indicator Comment</b> The performance indicator target for environmental comments was met.
<b>W05-04</b>	DPIE .....	OM36	OM36			OM36 Comment

OM36	water	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)	Monitoring of environmental indicators in 8 inland WSP areas and all coastal WSP areas occurred in 2021/22.  There has been continued development of the NSW Water Sharing Plan Evaluation Framework and Evaluation Program. Progress to date includes: - draft Social, economic and environmental outcomes method, development and review - Applied draft outcomes method to two pilot water sharing plan areas, Macquarie Cudgegong Regulated and Clarence Unregulated and Alluvial - Draft process (implementation) method - development. - Commenced scoping for water sharing plan achievement (hydrologic outcomes) method.  Completed progress reporting on over 500 water management plan audit and review (S43, S43A and S44) recommendations bi-annually and completed update reports for the Natural Resource Commission.	On track	The environmental monitoring plan was not fully implemented in 2021/22 due to widespread flooding and hence access and safety issues arising.
		Performance Indicator WSPs with monitoring outcomes available prior to evaluation and remake date = 100%	Available MER data was compiled for coastal WSP remakes in 2021/22. Environmental Evaluation Reports will commence in 2023.  Draft Social and economic outcomes method, development  Applied draft social and economic outcomes method to two pilot water sharing plan areas, Macquarie Cudgegong Regulated and Clarence Unregulated and Alluvial  Used the newly developed WSP Prioritisation tool to rank 59 water sharing plans according to resource type. The rankings were endorsed and are being used to direct plan performance evaluation and monitoring efforts and resources  Completed progress reporting on over 500 water management plan audit and review (S43, S43A and S44) recommendations bi-annually and completed update reports for the Natural Resource Commission.	Substantially met	Performance Indicator Comment Field work for environmental MER activities was severely limited by wide spread flooding November 2021 to March 2022 in both coastal and inland areas.  There is no performance indicator available for social and economic plan performance work for WSP. The work completed in the 2021-22 reporting period was delivered according to the agreed workplan.

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	DPIE Water	OM37	OM37	Completion of 7 coastal water sharing review reports and approval of extension to replace plans was completed in 2020/21.  No coastal plans applicable for 2021/22  NRC is bringing forward a number of plan reviews due for 2026 to earlier years to stagger work commitments. This currently includes up to 5 plans for 2024/2025 (Macleay, Clarence, Hunter Regulated, NCCS, NCFPR).	OM Met	OM37 Comment NRC has proposed bringing forward a number of plan reviews ahead of 2026 to stagger workload - this include 5 further coastal WSP for the IPART reporting period. This is not reflected in current wording of measure. (so put for IPART period would be 12 instead of 7)
		Performance Indicator Review report submitted on time = 100%	N/A	PI Met	Performance Indicator Comment NRC has had delays in proposed delivery dates but has met the overall timeframe of final review reports ahead of plan expiry.	
W06-01 OM38	DPIE Water	OM38	OM38	Completed for CC, Coffs, LNC, Hunter, Towamba = 5 Majority completed for Bega/Murrah, GMR Unreg, GMR GW = 4 Partially completed for Tweed and Richmond = 2  No progress on additional 2 plans to date (this would now be 5 additional plans).	On track	OM38 Comment Completed for CC, Coffs, LNC, Hunter unregulated in previous period 2020/21. Completed for Towamba and majority completed for Bega/Murrah, GMR Unreg and GMR GW in 2021/22 period. Was not fully completed due to delays in risk assessment and modelling inputs to plans. Delays in progression of Tweed and Richmond due to planning resources diverted to other priority work. Previously proposed 2 additional plans in 2021/22 period - this was not able to be resourced but in overall 2021/2025 period now looking at 5 plans (Macleay, Clarence, Hunter Reg, NCFPR, NCCS) being progressed (part of bringing forward plans for replacement ahead of expiry in 2026). Current text for measure does not include revised additional plan numbers (so output for IPART period would be 16 instead of 13).  Delay in finalisation of GW WSPs impacted resourcing across planning team in 2021/22 period.  Proposed change to measure wording Subject to decision made on recommendations under OM37, WSP rules are reviewed and updates proposed as part of plan replacements.
		Performance Indicator WSP rules reviewed and updates proposed in line with expected timing = 100%	Partially completed = 38%	Partially met	Performance Indicator Comment As outlined above. 38% is 5/13 completed in line with PI.	
W06-01	DPIE	OM39	OM39			OM39 Comment

OM39	Water		Public exhibition of draft replacement coastal WSPs is completed: Output = 11 Anticipated coastal WSPs that have public exhibition completed: CC, Coffs, Hunter, LNC, Bega, Murrah, Richmond, Towamba, Tweed, GMR Unreg, GMR GW.	Complete for CC, Coffs, LNC, Hunter, Towamba = 5 Partially complete for Bega/Murrah, GMR Unreg, GMR GW = 4 Not commenced for Richmond, Tweed = 2	On track	Completed for CC (20/21 period), Coffs, LNC, Hunter unregulated and Towamba in 2021/22 period. Delays for latter due to plan drafting finalisation as well as issues arising re coastal harvestable rights impacts on LTAAELs and marine park considerations for in river dams. Partial completion of public exhibition in the 21/22 period for Bega/Murrah, GMR Unreg and GMR GW and not commenced for Richmond and Tweed was due to delays impacting rule review and updates as outlined above as well as flooding impacts on communities. Flood impacts resulted in further drafting changes as some access rules in the Richmond and Greater Metropolitan Region areas were not progressed as part of the plan replacement. Two coastal plan replacements (Macleay/Clarence) proposed to proceed to public exhibition in the IPART period given NRC review reports being brought forward. Current text for measure does not include revised additional numbers (so output for IPART period would be 13 instead of 11)  Proposed change to measure wording Subject to review and updates being proposed under OM38, public exhibition of draft replacement coastal WSPs is completed.	
		Performance Indicator	Public exhibition completed in line with expected timing = 100%	Partially complete = 45%	Select Assessment	Performance Indicator Comment As outlined above, 45% is 5/11 completed in line with PI	
W06-01 OM40	DPIE Water	OM40	OM40	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, Murrah, Richmond, Towamba, Tweed, GMR Unreg, GMR GW.	Complete for CC, Coffs, LNC, Hunter = 4 Not commenced for Towamba, Bega/Murrah, GMR Unreg, GMR GW, Richmond, Tweed = 7	On track	OM40 Comment Completed for CC, Coffs, LNC, Hunter. CC delivery was delayed due to lack of progression through Ministerial approvals in proposed timeframes. Coffs delivery was delayed due to specific plan issue resolution. While LNC and Hunter pub exh was delayed within the 2021/22 period it was delivered in anticipated overall timeframes. (delayed pub exh commencement to early 2022 and resolution of policy issues). Not commenced for remaining plans due to delays from above tasks. Pub exh periods for Greater Metropolitan Region and Richmond/Tweed plans were extended due to flooding impacts in these areas. Additional plans identified would not likely reach this milestone within IPART reporting period so no change of output numbers proposed.  Proposed change to measure wording Subject to public exhibition being completed under OM39, replacement coastal WSPs submitted for approval to commence.
			Performance Indicator	Replacement WSPs submitted for approval in line with expected timing = 100%	Partially complete = 36%	Partially met	Performance Indicator Comment As outlined above, 36% is 4/11 completed in line with PI.
W06-01 OM41	DPIE Water	OM41	OM41	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, Murrah, Richmond, Towamba, Tweed, GMR Unreg, GMR GW.	Complete for CC, Coffs, LNC, Hunter = 4 Not complete for Towamba, Bega/Murrah, GMR Unreg, GMR GW, Richmond, Tweed = 7	On track	OM41 Comment Completed for CC, Coffs, LNC, Hunter unregulated. Not commenced for remaining plans due to delays from above tasks. Additional plans identified would not likely reach this milestone within IPART reporting period so no change change of output numbers proposed.  Proposed change to measure wording Subject to submission of replacement WSPs for Ministerial approval under OM40, replacement plan is commenced.
			Performance Indicator	Commencement of WSPs occur in line with expected timing = 100%	Partially complete = 36%	Partially met	Performance Indicator Comment As outlined above, 36% is 4/11 completed in line with PI.
W06-01 OM42	DPIE Water	OM42	OM42	Amendment to coastal WSPs commenced as required.	Completed NCCS for 1 July 2022.	On track	OM42 Comment A number of plan amendments have been identified/required in the IPART period eg Hunter tidal pool, GMR Unreg and GW and Richmond rules. This has been as result of public exhibition outcomes and or flood impacts. Amendments for other coastal plans are also being progressed relevant to NCCS boundary changes as well as Macleay in relation to hydro electric development.
W06-02 Water plan development (inland) The development, review, amendment, and extension or 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.	DPIE 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.	Completion of 7 review reports for Castlereagh, IS, LMD, Murray, NW NSW, NSW BR and BD (previously completed) in 21/22. NRC progressing work on review reports for Belubula, Gwydir, Lachlan Macq, Murrumbidgee, Namoi for 22/23. NRC is bringing forward a number of plan reviews due for 2026 to earlier years to stagger work commitments. This currently includes 6 regulated river plans (Murrumbidgee, Namoi, MLD, Macq, Lachlan, Gwydir).	On track	OM43 Comment NRC has proposed bringing forward a number of plan reviews ahead of 2026 to stagger workload - this include 6 further inland regulated WSPs for the IPART reporting period. This is not reflected in current wording of measure (so output for IPART period would be 19 instead of 13)  Peel review was also completed in 2020/21 gap period.
			Performance Indicator	Review report submitted on time = 100%	Partially complete = 53%	Substantially met	Performance Indicator Comment NRC has had delays in proposed delivery dates but has met the overall timeframe of final review reports ahead of plan expiry.  36% is 7/13 completed in line with PI (noting it was 100% due for 21/22 period).
W06-02	DPIE	OM44	OM44				OM44 Comment

W06-02	Water	OM44	<p>WSP rules are reviewed and updates proposed where required as part of plan replacement. Associated updates to WRPs are also identified.</p> <p>Output = 13</p> <p>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.</p>	Partially complete for BD (this was initially being progressed as replacement before it was split to amendment/replacement and amendment progressed initially) = 1	On track	<p>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.</p> <p>Work on all other plan replacements was not progressed as anticipated in the 21/22 period due to ongoing WRP work using available resources.</p> <p>Work on 6 regulated river plans for rule review is now also anticipated within this IPART reporting period (so output for IPART period would be 19 instead of 13)</p> <p>Proposed change to measure wording Subject to decision made on recommendation under OM43. WSP rules are reviewed and updated where required as part of plan replacement. Associated updates to WRPs are also identified.</p>
			<p><b>Performance Indicator</b></p> <p>WSP rules reviewed and updates proposed in line with expected timing = 100%</p>	Partially complete = 0.7%	Partially met	<p><b>Performance Indicator Comment</b></p> <p>1/13 = 0.7%</p>
W06-02	Water	OM45	<p>Public exhibition of draft replacement inland WSPs (and any associated WRP updates) is completed Output = 13</p> <p>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)</p>	Not commenced	Select	<p><b>OM45 Comment</b></p> <p>As above. Public exhibition of 6 regulated river plans is now also anticipated in this IPART reporting period (so output would be 19 not 13)</p> <p>Proposed change to measure wording Subject to review and updates being prepared under OM44, public exhibition of draft replacement inland WSPs (and associated WRP updates) is completed.</p>
			<p><b>Performance Indicator</b></p> <p>Public exhibition completed in line with expected timing = 100%</p>	Not complete= 0%	PI Not Met	<p><b>Performance Indicator Comment</b></p> <p>No public exhibition completed in 21/22 period for plan replacements.</p>
W06-02	Water	OM46	<p>Replacement inland WSP submitted for approval to commence and amended WRP submitted for accreditation to Commonwealth: Output = 13</p> <p>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.</p>	Not commenced	On track	<p><b>OM46 Comment</b></p> <p>As above. Submission of 3 of the 6 regulated river plans is now also anticipated in the IPART reporting period (so output would be 16 not 13).</p> <p>Proposed change to measure wording Subject to public exhibition being completed under OM45, replacement inland WSPs (and associated amendment to WRPs) submitted to Minister for approval.</p>
			<p><b>Performance Indicator</b></p> <p>Replacement WSPs submitted for approval in line with expected timing = 100%</p>	Not complete = 0%	PI Not Met	<p><b>Performance Indicator Comment</b></p> <p>Not completed as prior tasks not progressed.</p>
W06-02	Water	OM47	<p>Replacement inland WSP has commenced. Output = 13</p> <p>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 WRPs are accredited by the Commonwealth Minister for Water.</p>	Not commenced	On track	<p><b>OM47 Comment</b></p> <p>As above. Note none of the additional regulated river plans are anticipated to commence in the IPART period so no change to output number.</p> <p>Proposed change to measure wording Subject to submission of replacement inland WSPs (and amendments to WRPs) for Ministerial approval under OM46, replacement plans are commenced and amended WRPs submitted to MDBA for accreditation assessment.</p>
			<p><b>Performance Indicator</b></p> <p>Replacement WSPs are commenced in line with expected timing = 100%</p>	Not complete = 0%	PI Not Met	<p><b>Performance Indicator Comment</b></p> <p>Not completed as prior tasks not progressed</p>
W06-02	DPIE	OM48	OM48			OM48 Comment



OM48	Water		Amendment to inland WSPs/WRPs commenced as required (separate to those undertaken as part of plan replacement processes during the IPART period)	Work progressed during 21/22 on amendments relating to BD *2, BR Reg, Gwydir Reg, Gwydir Unreg, Macquarie Reg, Macquarie Unreg *2, Darling Alluvial  Amendments were completed for MDB FR *2, Murray Alluvial, NCCS during 21/22.  Work is also now progressing on a number of other amendment packages including Lachlan Reg, Lachlan Unreg, Belubula Reg, MLD Reg, Murrumbidgee Reg, Gwydir Alluvial, Namoi Alluvial, NCCS (2), Macq Reg (2)	On track	Work was progressed and completed on a number of plan amendments driven by a variety of things including general WSP changes, WRP related changes, FPH licencing etc.  Some amendment packages were not progressed due to ongoing discussions relating to SW PEW in SW WRPs (southern valley and Namoi plans) or delays in FPH modelling (Namoi).  A number of plan amendments are still being progressed.
W06-02 OM49	DPIE Water	OM49	Water Resource Plans accredited in line with Basin Plan 2012 (Basin Plan) and Commonwealth Water Act requirements. Output = 20	Five NSW WRPs were resubmitted in the 21/22 period. All remaining NSW WRPs were submitted by November 2022. A fantastic two NSW WRP have been accredited to date (NSW BR Alluvial, MDB FR) in Sept 2022 and Nov 2022.	On track	OM49 Comment  Significant delays were experienced in the resubmission of NSW WRPs related to changes in Minister in late 2021, as well as ongoing debate at a Ministerial level regarding the content of SW PEW. This resulted in significant additional work for SW WRPs, and has still not been resolved to allow for formal resubmission of these plans to the MDBA. Significant work has been required to address MDBA notice of grounds and informal advice on the plans.
W06-02 OM50	DPIE Water	OM50	Performance Indicator WRPs accredited in line with expected timing = 100%	Not met =0%	Partially met	Performance Indicator Comment  No plans were accredited in the 21/22 period. The timeframe for informal/formal resubmission of the WRPs was extended with informal submission sought by 31 Sept and formal resubmission by 31 Dec 22.
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	DPIE Water	OM51	NSW WSPs commenced prior to accreditation of NSW WRPs Output = 9  Anticipated regulated river inland WSPs replaced/amended ahead of associated WRP accreditation: Belubula, Peel, Namoi, Gwydir, Macquarie, Castlereagh, Murray, Murrumbidgee, MLD, Lachlan.	See commentary in amendments under OM48.  Peel Replacement was completed in 2021/21 period = 1  A number of WRPs include WSPs which have amendments being made. Some of these were: 1. completed in the 21/22 period (MDB FR, Murray Alluvial), 2. progressed during this period (BD, Gwydir Reg, Gwydir Unreg, Macquarie Reg, Macquarie Unreg, Darling Alluvial) 3. delayed but now being progressed (Lachlan Reg, Lachlan Unreg, Belubula Reg, MLD Reg, Murrumbidgee Reg, Macq Unreg).  Some amendments will be progressed but depending on timing may not be made ahead of WRP accreditation and may form a later amendment to the WRP.	On track	OM50 Comment  Progress of some amendments has been impacted by (1) inclusion of FHP amendments which were subject to lengthy concurrence discussions (2) pending outcome of SW PEW discussions for SW WRPs which impacted progression (3) subject to Ministerial delays in consideration and approvals.
W06-03	DPIE	OM54	OM54			OM54 Comment
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	DPIE Water	OM51	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	Review report was completed and submitted to the Ministers for information for the 10 Southern FMPs.	OM Met	OM51 Comment  Review report was complete for June 2021 for the 10 Southern FMPs (so output =10 has been met) Work now being progressed to replace these plans with 4 whole of valley based plans. Work on replacement was delayed while funding was secured for this work.  Suggested change for measures and performance indicators: S43 review reports completed to inform replacement or amendment of Southern FMPs. Output 10: Billabong Creek, Edward and Wakool Rivers, Wakool River, Edward and Niemur Rivers, Edward and Wakool Rivers, Lachlan River (3), Murrumbidgee River, Tuppall and Bullatate Creeks
W06-03 OM52	DPIE Water	OM52	S43 review reports submitted in line with statutory 5-year timeframe for 3 northern FMPs. Output = 3	Review reports completed for Gwydir and Barwon Darling FMPs in required timeframes.  Further review report previous required in this reporting period now due at later date due to SLR Act amendments for S43 review period commencing from Jan 2023.  Partially met - 66%	On track	OM52 Comment  Review reports completed for Gwydir (June 2021) and Barwon Darling (June 2022).  Review timing has now been amended from 'at year five' to 'within the last five years prior to plan expiry'. The Upper Namoi is now outside this current IPART reporting period. (so output for the IPART period will now be 2 not 3 as initially stated)  Suggested change for measures and Performance Indicators: S43 review reports completed to inform replacement or amendment of Northern FMPs Output = 3 (Gwydir, BD, Upper Namoi) **
W06-03 OM53	DPIE Water	OM53	FMP rules are reviewed and updates proposed where required as part of plan replacement/amendment Output = 10  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.  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).	Work commenced on Gwydir FMP amendments during 21/22.	On track	OM53 Comment  Amendments progressed for Gwydir FMP in line with S43 review outcomes. No amendments proposed to Barwon Darling FMP arising from S43 review. Review of Upper Namoi now deferred as per commentary above.  Work on replacement southern plans now commenced however this was delayed due to confirmation of funding/staff resourcing. (so output for IPART period will now likely be 2 rather than 10 (Gwydir amendment and 1 southern FMP)  Suggested change to measure and performance indicators: Subject to decision made on recommendation under OMS2. FMPs are reviewed and updates proposed where required as part of plan replacement/amendment. This informs public exhibition under OMS4. Output = 7 (Lachlan, Murray, Murrumbidgee, Billabong Creek, Gwydir, Barwon-Darling and Upper Namoi) 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.  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><b>OM54</b></p>	<p>water</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 WRP) 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>Not commenced in 21/22 period.</p>	<p><b>Targets not yet met</b></p>	<p>No amendments proposed to Barwon Darling FMP arising from S43 review. Review of Upper Namoi deferred as per commentary above Public exhibition of Gwydir FMP amendments progressed in 22/23 period.</p> <p>Work on replacement southern plans delayed as per commentary above (so output for IPART period will now likely be 2 rather than 7 (Gwydir amendment and 1 southern FMP)</p> <p>Suggested change to measure and performance indicator: Subject to review and updates being proposed under OM53, public exhibition of draft replacement/amended FMPs is completed. Output = 7 (Lachlan, Murray, Murrumbidgee, Billabong CReek, Gwydir, BD, Upper Namoi) Anticipated that up to 4 FMP replacements/amendments (and associated WRP) 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><b>W06-03</b> <b>OM55</b></p>	<p>DPIE Water</p>	<p>OM55</p>	<p>OM55 Replacement FMP/amended FMPs submitted for approval to commence Output = 4 (Note amended WRP submitted for accreditation to Commonwealth under W06-02)</p>	<p>Not commenced in 21/22 period.</p>	<p><b>On track</b></p>	<p><b>OM55 Comment</b> Dependent on progress in OM54 (so output for IPART period will now likely be 2 rather than 4 (Gwydir amendment and 1 southern FMP)</p> <p>Suggested change to measure and indicator: Subject to public exhibition being completed under OM54, replacement FMP/amended FMPs submitted for approval to commence Output = 4 (Gwydir, BD, Upper Namoi 1 southern) (Note amended WRP submitted for accreditation to Commonwealth under W06-02)</p>
<p><b>W06-03</b> <b>OM56</b></p>	<p>DPIE Water</p>	<p>OM56</p>	<p>OM56 Replacement/amended FMP is commenced Output = 7 (Note amended WRP is accredited under W06-02) 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 WRP are accredited by the Commonwealth Minister for Water under W06-02)</p>	<p>Not commenced in 21/22 period.</p>	<p><b>On track</b></p>	<p><b>OM56 Comment</b> Dependent on progress in OM55 (so output for IPART period will now likely be 2 rather than 7 (Gwydir amendment and 1 southern FMP)</p> <p>Suggested change to measure and indicator: Subject to submission of FMPs for Ministerial approval under OM55, replacement/amended FMP is commenced Output = 7 (Note amended WRP is accredited under W06-02) 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 WRP are accredited by the Commonwealth Minister for Water under W06-02)</p>
<p><b>W06-05</b> <b>Regional planning and management strategies</b> The development, evaluation and review of regional water strategies, metropolitan water plans and other planning instruments, including the associated stakeholder engagement.  Relevant OM numbers include: - OM57 - OM58 - OM59 - OM60 - OM61</p>	<p>DPIE Water</p>	<p>OM57</p>	<p>OM57 Regional water strategies completed and in place Output = 10</p>	<p>0 regional water strategies were completed at the end of 2021/22 for the determination period</p>	<p><b>On track</b></p>	<p><b>OM57 Comment</b> Note that the target (output) is 11 RWSs, not 10.</p>
<p><b>W06-05</b> <b>OM58</b></p>	<p>DPIE Water</p>	<p>OM58</p>	<p>OM58 Regional Water Strategy Action Plans developed Output = 10</p> <p><b>Performance Indicator</b> Action Plan published within 3 months of each Regional Water Strategy being finalised = 100% Action Plan reported against annually = 100%</p>	<p>0 implementation plans were completed at the end of 2021/22 for the determination period</p> <p>0 implementation plans were completed in 2021/22</p>	<p><b>On track</b></p> <p><b>Substantially met</b></p>	<p><b>OM58 Comment</b> Note that the target (output) is 11 implementation plans, not 10. Note that the measure is 'implementation plan', not 'action plan'.</p> <p><b>Performance Indicator Comment</b> Note that implementation plans will be published concurrently with regional water strategies.</p>
<p><b>W06-05</b> <b>OM59</b></p>	<p>DPIE Water</p>	<p>OM59</p>	<p>OM59 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</p>	<p>0 regional water strategies and 0 implementation plans were updated at the end of 2021/22 for the determination period.</p>	<p><b>On track</b></p>	<p><b>OM59 Comment</b> 0</p>
<p><b>W06-05</b> <b>OM60</b></p>	<p>DPIE Water</p>	<p>OM60</p>	<p>OM60 Forward program for implementation and MER and public reporting published by June 2021</p>	<p>0 forward programs were published at the end of 2021/22 for the determination period</p>	<p><b>On track</b></p>	<p><b>OM60 Comment</b> 0</p>
<p><b>W06-05</b> <b>OM61</b></p>	<p>DPIE Water</p>	<p>OM61</p>	<p>OM61 Completion of Greater Sydney Water Strategy in 2021, including a water efficiency and conservation framework a performance and monitoring framework.</p>	<p>GSWS complete, Water Efficiency and Conservation Framework complete, monitoring and evaluation framework underdevelopment</p>	<p><b>On track</b></p>	<p><b>OM61 Comment</b> The Greater Sydney Water Strategy (GSWS) was released 29 August 2022. Actions to implement the strategy are underway. A draft Monitoring and Evaluation (MER) framework has been developed and the first MER report will be prepared late 2023. The Water Efficiency Framework was published in October 2022 is available on the department's website <a href="https://water.dppe.nsw.gov.au/plans-and-programs/water-efficiency/framework">https://water.dppe.nsw.gov.au/plans-and-programs/water-efficiency/framework</a>. A joint Sydney Water – DPE Water Conservation Plan to 2030 (WCP) is being developed in line with the NSW Water Efficiency Framework. The plan will outline key tactical and strategic initiatives required to deliver the long-term water efficiency goals aligned with the GSWS.</p>

<b>W06-06</b> <b>Development of water planning and regulatory framework</b> The development of the operational and regulatory requirements and rules for water access.  Relevant OM numbers include: - OM62 - OM63 - OM64	DPIE Water	OM62	<b>OM62</b>  Provide a register of regulatory and policy instruments progressed during the year. Output = 5	See "Register of regulatory and policy instruments progressed during the 2021/22 fiscal year (W06-06)" located here:  <a href="https://environmentnsw.gov.sharepoint.com/:x/s/MST_WATER_WaterPolicy-PolicyManagementTeam-Water/ETN70H4PKRJE-lLHOiqF8BrekypDhLkKbMStOjZATe=6icI7">https://environmentnsw.gov.sharepoint.com/:x/s/MST_WATER_WaterPolicy-PolicyManagementTeam-Water/ETN70H4PKRJE-lLHOiqF8BrekypDhLkKbMStOjZATe=6icI7</a>	<b>On track</b>	<b>OM62 Comment</b>  Yes. Note that the "effort" levels specified in the register related to FTEs expended on that work from the DPE Water Policy team only; it does not incorporate effort spent on those projects by staff in other work branches or agencies - e.g. members of project working groups, hydrological advice provided by Water Science, etc. Note also there are some questions for the Economics Team alongside some projects in relation to whether that work is considered WAMC or non-WAMC work.
<b>W06-06</b>  <b>OM63</b>	DPIE Water	OM63	<b>OM63</b>  Policies and regulations supporting the water planning and regulatory framework are developed and reviewed using a risk-based approach.	All policies and regulations made, amended and reviewed were developed taking account of the relative risks.	<b>OM Met</b>	<b>OM63 Comment</b>  Yes
			<b>Performance Indicator</b>  A risk-based framework is used 100% of the time for informing the priorities for development of water policy and regulatory instruments.	Fully met - 100%	<b>PI Met</b>	<b>Performance Indicator Comment</b>  N/A
<b>W06-06</b>	DPIE Water	OM64	<b>OM64</b>  Timely public access to key policies and regulatory instruments.	Changes to relevant policy and regulations were published immediately upon commencement - either on the NSW Legislation website, DPE Water's website and/or partner agency websites (NRAR, WaterNSW).	<b>OM Met</b>	<b>OM64 Comment</b>  Yes
<b>OM64</b>			<b>Performance Indicator</b>  Key policies and regulatory instruments are published on the Department's website within 4 weeks of their approval = 90%	Fully met - 100%	<b>PI Met</b>	<b>Performance Indicator Comment</b>  N/A
<b>W06-07</b> <b>Cross border and national commitments</b> 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	DPIE Water	OM65	<b>OM65</b>  DPIE Water publishes on its website an annual statement on interjurisdictional participation and performance against interstate agreements.	NSW will publish an annual statement demonstrating its interjurisdictional participation and performance against interstate agreements before 31 January of each year. 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 include: <ul style="list-style-type: none"> <li>•Murray-Darling Ministerial Council</li> <li>•Basin Officials Committee</li> <li>•Basin Officials Committee Principals</li> <li>•Basin Officials Committee Alternates</li> <li>•Environmental Watering Committee</li> <li>•River Murray Operations Committee</li> <li>•Joint Venture Budget and Performance Committee</li> <li>•Sustainable Diversion Limit Adjustment Mechanism Implementation Committee</li> <li>•Northern Basin Project Committee</li> <li>•Capacity Policy Working Group</li> <li>•National Water Reform Committee</li> <li>•Border Rivers Commission</li> <li>•Great Artesian Basin Senior Officials Committee</li> </ul>	<b>OM Met</b>	<b>OM65 Comment</b>  The output measure is on track to be met within the determination period • n/a - no performance indicators have been set by IPART • additional information is below: •Murray-Darling Ministerial Council: Participation: 100%; Meetings held/attended: 0/0 •Basin Officials Committee: Participation: 100%; Meetings held/attended: 7/7 •Basin Officials Committee Principals: Participation: 100%; Meetings held/attended: 3/3 •Basin Officials Committee Alternates: Participation: 100%; Meetings held/attended: 6/6. Workshops held/attended: 8/8 •Environmental Watering Committee: Participation: 100%; Meetings held/attended: 5/5 •River Murray Operations Committee: Participation: 100%; Meetings held/attended: 5/5 •Joint Venture Budget and Performance Committee: Participation: 100%; Meetings held/attended: 7/7. Workshops held/attended: 4/4 •Sustainable Diversion Limit Adjustment Mechanism Implementation Committee: Participation: 100%; Meetings held/attended: 6/6. Workshops held/attended: 11/11 •Northern Basin Project Committee: Participation: 100%; Meetings held/attended: 4/4 •Capacity Policy Working Group: Participation: 100%; Meetings held/attended: 14. Workshops held/attended: 2/2 •National Water Reform Committee: Participation: 100%; Meetings held/attended: 3/3 •Border Rivers Commission: Participation: 100%; Meetings held/attended: 4/4 •Great Artesian Basin Senior Officials Committee: Participation: 100%; Meetings held/attended: 1/1
<b>W06-07</b>  <b>OM66</b>	DPIE Water	OM66	<b>OM66</b>  Additional IPART performance indicator annual statement published.	No performance indicators have been set for W06-07, however, NSW will publish an annual statement demonstrating its interjurisdictional participation and performance against interstate agreements before 31 January of each year.	<b>OM Met</b>	<b>OM66 Comment</b>  No performance indicators have been set for W06-07, however, NSW will publish an annual statement demonstrating its interjurisdictional participation and performance against interstate agreements before 31 January of each year.
<b>W07-01</b> <b>Water management works</b> The undertaking of water management works to reduce the impacts arising from water use or remediate water courses.  Relevant OM numbers include: - OM67 - OM68	DPIE Water	OM67	<b>OM67</b>  Length of river remediated Output = 12km  <b>Performance Indicator</b>  High priority areas of erosion identified and remediated = 90% Channel capacity at Tumut = >=9,200 ML/day	2021-22 total length of river remediated = 3.22km as per 2021-22 Annual Tumut River Works report Due to high river levels and flooding Q1 23FY, there has been limited on-ground works (1.09km) completed for this financial year. In total, 4.31km of bank has been remediated for the 2021-25 determination period.  7,819ML/day (average July to Oct 2022) measured at Tumut (#410006 - TUMUT RIVER AT TUMUT - WaterNSW data). Priority areas still yet to be identified for 23FY works due to limited site access and inability to undertake bank condition assessments because of high river levels and floods.	<b>On track</b>  <b>Substantially met</b>	<b>OM67 Comment</b>  Ongoing works for 2022-23 has been delayed to prolonged high river levels and recent flooding events restricting site access. It is likely that once waters recede there will be an increase in bank remediation works and maintenance of existing sites required. Target is still on track to be met within the determination period.  <b>Performance Indicator Comment</b>  Recent high rainfall and floods have affected Snowy Hydro operations resulting in the channel capacity performance target not being yet met. This has increased since 2021-22 (where average flows were 6,461ML/day). 75% of priority sites were actioned in 2021-22; however, high rainfall events and adverse weather conditions impacted delivery of on-ground works. Flooding and high river levels continue to impact accessibility of sites and delivery of on-ground works in 2022-23. Target is still on track to be met within the determination period.
<b>W07-01</b>  <b>OM68</b>	DPIE Water	OM68	<b>OM68</b>  Rolling 3-year average of salt diverted from the Murray River system = >50,000 t/year  <b>Performance Indicator</b>	Rolling 3-year average as per 2021-22 Buronga SIS Annual Report = 50,192 tonnes of salt diverted from the Murray River System	<b>OM Met</b>	<b>OM68 Comment</b>  Target has been met for this year; however, upcoming planned maintenance and critical works may affect future targets being met. The works will be staged for the remainder of the determination period to minimise impacts to target.  <b>Performance Indicator Comment</b>

			Maintain net credit (EC) balance for NSW on the BSM2030 Salinity Register = >20 EC	28.5 EC credits as per 2022 BSM2030 salinity register	PI Met	Target has been met for this year. Upcoming salinity register reviews may change the balance of Salinity Register; however, it is not expected to fall below 20EC credits
<b>W08-01</b> <b>Consents management and licence conversion</b> 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	DPE	NA	<b>Performance Indicator</b> System availability = 95% 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.  No "major non-conformances" reported in relation to the security and privacy of user data within the NSW Water Register.	PI Met	<b>Performance Indicator Comment</b>
<b>W08-02</b> <b>Blue-green algae management</b> The transcribing of water sharing provisions into licence conditions and the conversion of licences to the Water Management Act 2000.	DPIE Water	OM69	<b>OM69</b> WSP rules are enforceable because the plan mandatory conditions are reflected on the licence	Met - once mandatory conditions loaded WaterNSW issues updated SOA's	OM Met	<b>OM69 Comment</b>
			<b>Performance Indicator</b> Rule changes are reviewed to identify whether condition changes are necessary within 3 months of the event requiring = 100%	Met - as WaterNSW issues updated SOA's	Select Assessment	<b>Performance Indicator Comment</b>
<b>W08-03</b> <b>Compliance management</b> 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	<b>OM70</b> Publish on NRAR website compliance activity by water sharing plan on a quarterly basis including observed levels of compliance and non-compliance. Output = 100% coverage of WSPs per month	Quarterly reports from July 2019 are published on the NRAR website can be filtered by Region, LGA and WSP. <a href="https://www.nrnr.nsw.gov.au/progress-and-outcomes/qrt-reports">https://www.nrnr.nsw.gov.au/progress-and-outcomes/qrt-reports</a>	OM Met	<b>OM70 Comment</b> MET TARGET
<b>W08-03</b> <b>OM71</b>	NRAR	OM71	<b>OM71</b> Publish annual progress reports Output = 5	Annual progress reports published and available on the NRAR website - 2018-19, 2019-20, 2020-21. Progress report for 2021-22 has been completed and presented to the NRAR Board and will be available on the website in the next 4 weeks.	OM Met	<b>OM71 Comment</b> MET TARGET
<b>W08-03</b> <b>OM72</b>	NRAR	OM72	<b>OM72</b> Community benchmarking survey (2 yearly) Output = 2	N/A	On track	<b>OM72 Comment</b> The next benchmarking survey will be conducted in 2023 with results being available to report this time next year.
<b>W08-03</b> <b>OM73</b>	NRAR	OM73	<b>OM73</b> Water licence holders audited and/or inspected each year Output = 1,722 per year	11.7% of licence holders were audited or inspected during 2021-22 3957 audits of 33832 licenses	On track	<b>OM73 Comment</b> On track to meet or exceed the number of licence holders audited each year with Regulatory Initiatives and Outreach programs conducting audits and inspections.
			<b>Performance Indicator</b> Incoming public reports assessed and prioritised within 5 days working days of receipt = 90%  High priority cases assigned to an investigator within 15 working days of receipt = 90%  Public informants will be contacted (by letter or a telephone call) within 15 working days of lodging an alleged breach with NRAR = 90%	67% of public reports were assessed and prioritised within 5 working days.  74% of high priority cases were triaged and assigned to an investigator within 15 working days.  100% of public informants are contacted at the time of lodgement of their alleged breach with NRAR. They are provided with a reference number	Partially met	<b>Performance Indicator Comment</b> NOT MET - The percentage of public reports assessed and prioritised within 5 days was down from 96% in FY21. This was impacted by issues with web automation form implemented in October 2021 and not working correctly until March 2022.  NOT MET - The percentage of high priority cases assigned to an investigator within 15 days was impacted by rescues assigned to Metering work throughout the year.  MET TARGET
<b>W09-01</b> <b>Water consents transactions</b> Transactions undertaken on a fee for service basis; including dealings, Comments, changes to conditions and new applications for water licences and approvals.  Relevant OM numbers include: - OM74 - OM75 - OM76	DPIE Water	OM74	<b>OM74</b> 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:	DPE - Number of applications processed by DPE Water Operations L&A: 49  WNSW Water access licences received = 172 WNSW WAL dealings received = 848	On track	<b>OM74 Comment</b> DPE Groundwater have processed 30 Water NSW Water access licence dealings referrals in the FY21/22 period with an average process time of 119 calendar days (86 business days). Within the 2021 (Oct) to 2025 determination period DPE Groundwater have processed and completed 32 Water NSW Water access licence dealings with an average process time of 105 calendar days (76 business days)  NRAR function moved to DPE in 2022.
			<b>Performance Indicator</b> Water Access Licence – applications determined within 45 days = 80%	DPE - WAL applications determined within 45 days = 49%  WNSW = 94%	Partially met	<b>Performance Indicator Comment</b>

W09-01 OM75	DPIE Water	OM75	OM75	Works and Use Approvals – applications Forecast = Water NSW: 2,097 per year NRAR: 131 per year	DPE - Number of applications processed by DPE Water Operations L&A: 151  WNSW works and use approvals received (includes works,use and combined) = 2,090 noting that 23% (477) of applications received were to make works inactive to take advantage of a metering exemption	On track	DPE Groundwater have processed 30 Water NSW Water access licence dealings referrals in the FY21/22 period with an average process time of 119 calendar days (86 business days). Within the 2021 (Oct) to 2025 determination period DPE Groundwater have processed and completed 32 Water NSW Water access licence dealings with an average process time of 105 calendar days (76 business days)  NRAR function moved to DPE in 2022.
			Performance Indicator	Works and Use Approvals – applications determined within 65 days = 80%	DPE - WSWA applications determined within 65 days = 43%  WNSW = 86%	Partially met	DPE Groundwater have processed 243 Works and Use Approval referrals in the FY21/22 period with an average process time of 92 calendar days (69 business days). Within the 2021 (Oct) to 2025 determination period DPE Groundwater have processed and completed 236 Works and Use Approval referrals with an average process time of 81 calendar days (58 business days)
W09-01 OM76	DPIE Water	OM76	OM76	Approval extensions Forecast = Water NSW: 13,079 (2021–22 to 2024–25) NRAR: 269 per year	DPE - Number of applications processed by DPE Water Operations L&A: 132  WNSW in 2021-2022 received 1,170 applications to extend an approval. Higher volumes expected in next 3 financial years	On track	DPE Groundwater do not process approval extension assessments.
			Performance Indicator	Approvals extensions – applications determined within 25 days = 80%	DPE - WSWA extensions determined within 25 days = 85%  WNSW = 94%	Partially met	
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	DPIE Water	OM77	OM77	Number of customer enquiries received Forecast = NRAR: 6,981 calls per year and 14,259 emails per year	NRAR - 4238 customer enquiries in FY21-22  WNSW Total WAMC-related Customer Contacts (to WaterNSW) in 2021-22: 16,471 by phone and 6,296 via email/fax/webform. This is calculated using the licensing wrap up code from the phone system.	On track	NRAR NOT MET (forecast only) This is reduced from 6473 in FY20 and 4721 in FY21. The licencing and approvals function moved from NRAR in April 2022 which resulted in reduced public enquires for NRAR.
			Performance Indicator	Emails responded to within 24 hours = 90%	NRAR - 100% of enquiries are responded to in 24 hours with email advising reference number  WNSW 6,296 electronic requests (emails, fax, webforms) were received that were WAMC-related, an increase of over 2,000 on last year. 100% of Customers are provided an automated acknowledgement once their enquiry has been lodged, the subsequent time to resolve these enquiries is 4 days on average to close the enquiry.	Met	NRAR - Met
W10-01 OM78	DPIE Water	OM78	OM78	Number of complaints received per year (Water NSW) Forecast = 389	In 2021-22, 75 complaints were received relating to WAMC activities.	On track	
			Performance Indicator	Complaints resolved within 28 days = 90%  Achieve 68% score for 'Skyline' composite measure and publish regularly the results	92% of complaints received were resolved within 28 days, excluding ministerial and ombudsman related matters.  21/22 target not achieved. NB Skyline is a long term target, not an annual KPI	Substantially met	

<b>W10-03</b> <b>Billing Management</b> The management of billing requirements and subcontracted billing, revenue collection and debtor management service delivery, and responding to queries on billing activities.	<b>DPIE</b> Water	<b>OM79</b>	<b>OM79</b> Expected number of accounts billed in each year Forecast = 38,915 per year	38,974 accounts were billed in 2021-22.	<b>On track</b>	<b>OM79 Comment</b>
			<b>Performance Indicator</b> % accounts billed in the year = 95%	100% - 38,974 accounts were billed in 21/22	<b>Met</b>	<b>Performance Indicator Comment</b>

**Performance indicator**

Select Assessment  
 Met  
 Partially met  
 Not Met