




Key	
	Monitor/Behind Schedule
	Ongoing *
	In Progress
	Completed
	Off Track or Deferred
	Not Due to Start






\* Actions that will be implemented multiple times over the life of the strategy with no end date

### IWMS Actions (2022-2026)

Action	Description	Completed	Benefit	Status
<b>Project identification and planning</b>				
1	<p>Undertake high level feasibility assessment of stormwater harvesting and large scale WSUD. Consider projects that:</p> <ul style="list-style-type: none"> <li>• Provide additional water security for Council</li> <li>• Improve the quality of headwaters</li> <li>• Enable greening in areas experiencing high urban heat island effect</li> <li>• Enable future daylighting of waterways</li> </ul>	Completed	To identify potential, high priority opportunities to improve water management and associated environmental and community outcomes, to enable further project development.	
2	<p>Undertake an Integrated Water Management Plan to guide place-based investment. This will consider the extent of meaningful outcomes and the most appropriate locations for IWM implementation. This action will be informed by sourcing and analysing additional relevant data, e.g.:</p> <ul style="list-style-type: none"> <li>• Engagement of traditional owners to understand cultural values associate with water and local waterways.</li> <li>• Place-based alignment with other projects and strategies.</li> <li>• Ecological and social values of specific waterway tributaries and reaches.</li> <li>• Directly connected imperviousness (DCI).</li> <li>• Nuisance flooding hotspots.</li> <li>• Lessons from implementation to date.</li> </ul> <p>This action will inform the 5-10 year Implementation Plan for this strategy.</p>	In Progress	To document and prioritise WSUD/IWM opportunities and water management (incl supporting urban forest/greening) needs, aligning with relevant Council strategy actions and implementation plans.	
3	<p>Establish process to identify and, as appropriate, incorporate WSUD in capital projects, i.e. passively irrigated street trees, raingardens in kerb outstands, swales in new car parks.</p>	In Progress	To ensure WSUD opportunities continue to be identified, considered and as appropriate, implemented alongside suitable capital works projects.	



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4	Develop 10-year delivery plan for WSUD capital works to meet IWM targets. Consider funding mechanisms for projects including Development Contributions Plans (DCPs), grants, funding agreements, developer offsets, and partnerships (agencies and/or private sector).	In Progress	To formalise planned capital works, with associated budgeting and scheduling, to address key water management issues and optimise community and environmental benefits.	
5	Investigate options to leverage off the IWM planning requirements for major projects (e.g. North East Link and Suburban Rail Loop) to better align with Council's IWM Strategy.	Ongoing	To ensure major projects appropriately contribute to – and maximise the opportunity for – beneficial IWM outcomes.	
<b>Construction of IWM projects</b>				
6	Construct new WSUD assets, seeking external funding where possible. This includes works from the 10-year WSUD capital works program and opportunistic projects.	Ongoing	To construct new WSUD assets in accordance with the approved capital works program and to maximise opportunities that support IWMS targets.	
<b>Management and maintenance of IWM assets</b>				
7	Undertake assessment of required WSUD maintenance tasks and costs, to inform future operational budgets.	Completed	To enable lifecycle budgeting, maintenance scheduling and enhanced asset condition (amenity and functionality).	
8	Undertake asset audit of current Council WSUD assets to assess functionality and to recommend improvements for future asset designs. Verify baseline treatment performance assumptions.	Completed	To understand the existing asset base, its condition, treatment performance, necessary maintenance and rectification works, and future design improvements.	

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9	Undertake a Water Efficiency Audit of existing Council buildings/facilities, including assessing performance of rainwater tanks and identifying opportunities to improve water efficiency and IWM outcomes.	In Progress	To reduce water consumption and optimise water management in existing buildings/facilities.	
10	Include WSUD assets in appropriate Asset Management Plans outlining lifecycle management requirements and renewal costs.	Monitor/Behind Schedule	To ensure appropriate budgets are in place for WSUD asset lifecycle management including renewal.	






#### Community programs

11	<p>Develop, plan and deliver community engagement programs, in line with the Whitehorse Engagement Policy, around IWM themes:</p> <ul style="list-style-type: none"> <li>• Water security</li> <li>• Waterways and catchments</li> <li>• Impacts on waterway health</li> <li>• Preparedness for extreme weather</li> <li>• The role of water in supporting urban ecology</li> </ul> <p>Align with Yarra Valley Water and Melbourne Water programs.</p>	Completed	To help improve community literacy in water management issues, to improve public behaviour and contribution towards relevant strategy objectives.	
12	Investigate programs/opportunities with local businesses to deliver catchment-based IWM projects.	Ongoing	To identify and promote opportunities for improved water management in private businesses.	
13	<p>Identify sources of pollution and work with stakeholders to address. This should include:</p> <ul style="list-style-type: none"> <li>• Investigating targeted litter management programs and assets, e.g. GPTs and additional litter traps</li> </ul> <p>Working with partners to identify and address areas where unintended wastewater discharges to stormwater/ waterways occurs.</p>	Ongoing	To identify priority pollution issues and determine optimal solutions.	

#### IWM outcomes through planning controls






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14	<p>Prepare guidelines and case studies to support planning applicants to meet WSUD requirements. These should consider:</p> <ul style="list-style-type: none"> <li>Promoting the benefits to developers and demonstrating cost neutrality.</li> <li>Developing case studies that include successful examples of WSUD in planning applications.</li> </ul>	Monitor/Behind Schedule	To support inclusion of effective WSUD in private development and reduce burden on applicants and Council staff.	
15	Integrate the internal referral processes for current planning requirements for management of stormwater quality and stormwater quantity.	Monitor/Behind Schedule	To improve the effectiveness and efficiency of Council's assessment of stormwater quality and quantity management in planning applications.	
16	Develop a policy on proprietary products outlining if and when they can be used to address planning requirements.	Monitor/Behind Schedule	To ensure planning applications that address stormwater management requirements through use of proprietary products are effective and cost-efficient to maintain and meet intended treatment performance.	
17	Develop a business case for resourcing to enforce stormwater management requirements in new developments.	Off Track/Deferred	To ensure WSUD is constructed in new developments in accordance with approved plans, to achieve the intended treatment performance.	
18	Investigate a WSUD developer offset scheme to address compliance shortfalls and implement if feasible. This will include developer engagement and an offset framework.	In Progress	To investigate alternative options for meeting stormwater management requirements in new development, where on-site stormwater management is unachievable.	






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<b>Traditional Owner engagement</b>				
19	Work with Wurundjeri Woi-wurrung Cultural Heritage Aboriginal Corporation and local indigenous groups to identify opportunities for genuine engagement and outcomes related to water and waterways.	Ongoing	To promote engagement with Traditional Owners in relation to water management, to support improved cultural, community and environmental outcomes.	
<b>Improved processes to embed IWM</b>				
20	Develop a comprehensive IWM dataset to support future IWM planning and decision making. This should build on the data used to inform this Strategy and should inform its future review.	Monitor/Behind Schedule	To provide an effective, up-to-date tool for planning future IWM works and strategies.	
21	Embed project management and asset management processes to ensure all new WSUD assets consider lessons from past projects and future maintenance requirements (e.g. incorporate in relevant Council guidelines/standards as appropriate).	Monitor/Behind Schedule	To ensure continuous improvement by incorporating lessons from WSUD delivery into future projects.	
22	Ensure all new Council buildings and building retrofits address Council's water efficiency standards within internal ESD Policy.	Completed	To directly improve water management, reduce water consumption, ensure compliance with Council policy and demonstrate best practice to our community.	
23	Embed IWM considerations in Council structure plans and master plans. These should recognise where community connection with water and waterways can be made through an urban design response.	In Progress	To ensure structure plans and master plans appropriately incorporate – and maximise the opportunity for – beneficial IWM outcomes.	



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24	Embed IWM considerations in Council's flood and drainage management projects. This should involve: <ul style="list-style-type: none"> <li>Drainage Policy and Drainage Asset Management Plan including IWM actions as part of network renewal.</li> <li>Identifying localised overland flow paths to inform work program to mitigate nuisance flooding.</li> <li>Collaborating with Melbourne Water on flood modelling and IWM.</li> </ul>	Monitor/Behind Schedule	To ensure projects focussed on flood mitigation/management appropriately consider and incorporate broader IWM objectives and outcomes.	
<b>Strengthening partnerships</b>				
25	Implement an internal IWM Working Group to monitor and progress the implementation of this strategy.	Monitor/Behind Schedule	To provide an appropriate and effective cross-Council forum for communicating and resolving IWM/WSUD issues and realising opportunities and solutions.	
26	Continue to participate in regional collaborations including the IWM Catchment Forums and CASBE.	Ongoing	To support relevant collaborations and regional action on water-related issues.	
<b>Capacity building</b>				
27	Ensure all staff responsible for IWM receive ongoing training and support, as appropriate	Ongoing	To ensure staff have the skills, knowledge and capacity to effectively conduct their responsibilities.	
<b>Advocacy</b>				
28	Advocate for Building Regulations to include WSUD requirements for single dwellings	Monitor/Behind Schedule	To support more consistent WSUD requirements across development types, to reduce environmental harm.	

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29	Advocate for strong IWM controls in the Planning Scheme.	In Progress	To support more effective and consistent WSUD requirements that adequately protect waterways, reduce water consumption and support improved environmental and community outcomes.	
30	Review 5-year IWM Strategy Implementation Plan (2022-2026) and develop subsequent 5-year Implementation Plan (2027-2031), as per IWM Strategy MERI.	Not Due to Start	To ensure the IWM Strategy remains relevant, focussed and up to date, and to ensure appropriate governance, reporting and improvement.	
<b>Total 30</b>				