

Elster Creek Catchment Action Plan

October 2017 – *In Confidence*



Core Principles – Memorandum of Understanding

Outlined in the Memorandum of Understanding is a commitment by Councils within the Elster Creek catchment and Melbourne Water on the governing principles of the group. This extract has been included within this document to provide alignment between the MOU and how the Working Group will work to deliver the Action Plan.

Core Principles

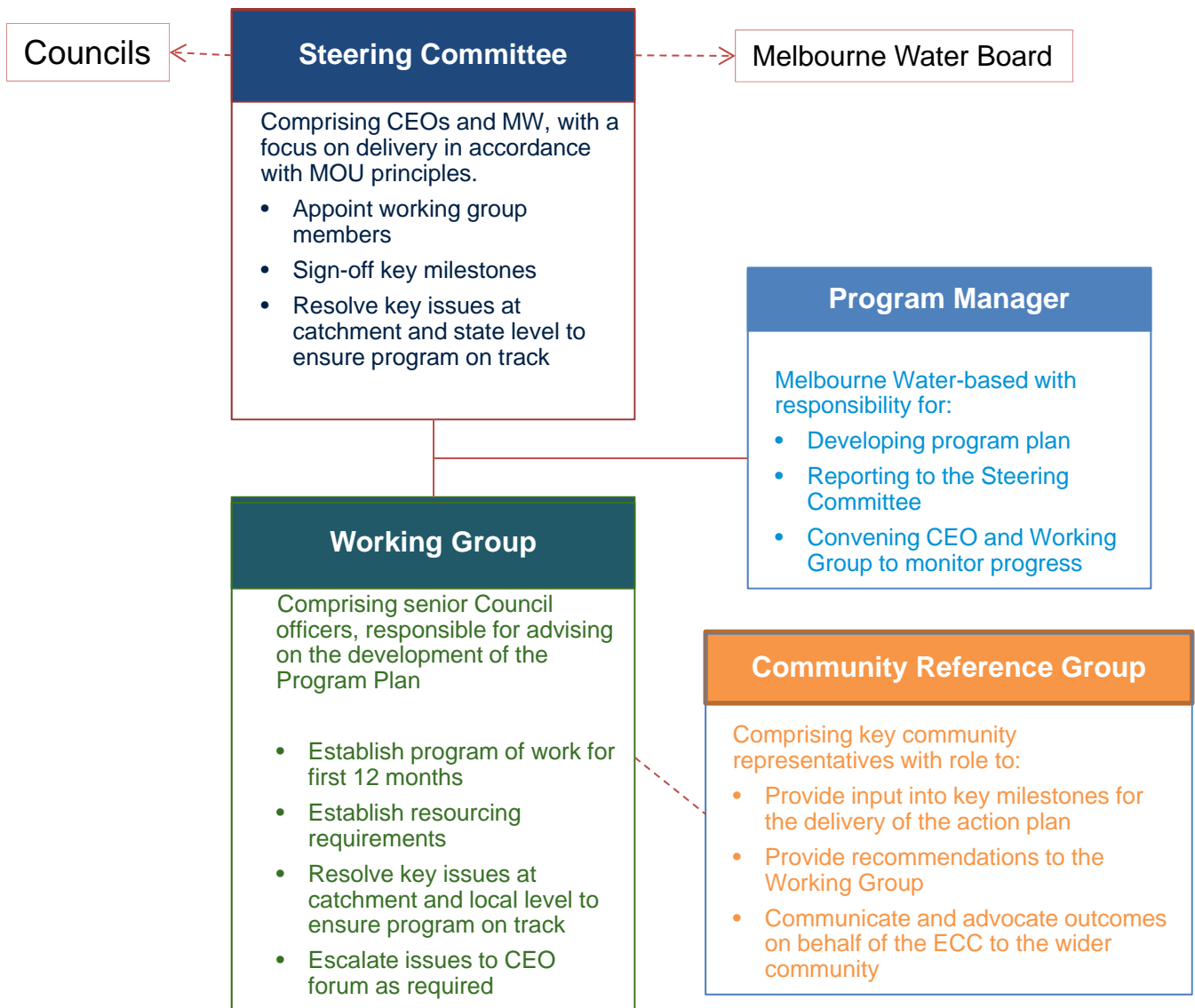
Councils and Melbourne Water are committed to cooperating across municipalities and with water utilities and State departments for the purpose of exploring a whole-of-catchment approach. Engagement with community members is paramount in developing a common understanding of effective ways to address the problem.

Specifically, the parties will:

- 1. Be transparent in all interactions and share information with the intent of establishing a shared understanding of the factors influencing the problem.*
- 2. Embed a common community engagement language and process that is constructive and meaningful for community members.*
- 3. Be considerate of each organisation's respective circumstances, including but not limited to, community interests, commercial imperatives and strategic contexts.*
- 4. Collaborate to identify evidence-based and innovative solutions with a best-for-regional catchment community benefit.*
- 5. Ensure opportunities to build community resilience are explored and actively pursued.*

This Action Plan is a high level document, with overall deliverables for each action. Each action will be scoped in detail by the Working Group.

Governance Structure



Action Plan – 2018

Theme: *One catchment, one plan*

Understanding and responding to flood risk at a catchment scale, further developing community resilience to flooding

	Deliverable	Resourcing	Timeline	Lead Agency	Outcome
Catchment view of flood risk	1. A Elster Creek catchment wide flood map and flood risk map that includes: <ul style="list-style-type: none"> • 1% ARI flood extent and a range of other more frequent flood extents • Floor level data for all flood affected properties • Heat map of flood risk 		January 2018	Melbourne Water	<i>Understanding of catchment wide flood risks</i>
Catchment view of infrastructure projects	2. A single asset investment view across the catchment: <ul style="list-style-type: none"> - Sharing existing and future planning of IWM and drainage investment projects - Identification of opportunities to influence projects based on the inclusion of flood risk reduction - Collate previous investment across the catchment 		May 2018	Bayside City Council	<i>Opportunities to share resources or prioritise projects based on need within the catchment</i>
Review all options to reduce flood risk	3. A review of the 2011 GHD Flood Mitigation Study to: <ol style="list-style-type: none"> a) Identify whether any of the mitigation options previously identified might be beneficial for mitigating higher AEP floods (ie: 10%, 20%) b) Consider whether there are other opportunities, not previously identified that might be appropriate for mitigating higher AEP floods 		March 2018	Melbourne Water	<i>Options reviewed which may result in localised mitigation works for more frequent flood events</i>
	4. Investigate modelling and mitigation options recommended by the CRC.		April 2018	Melbourne Water	<i>Work in collaboration with relevant research groups</i>

Action Plan – 2018

Theme: *One catchment, one plan*

Understanding and responding to flood risk at a catchment scale, further developing community resilience to flooding

	Deliverable	Resourcing	Timeline	Lead Agency	Outcome
Preparedness for flood events	5. Elster Creek Catchment flood management plan developed which builds community understanding of flood risk, preparedness and response across the catchment by working with our partners (SES and Council)		April 2018	Melbourne Water	<i>Uplift of community resilience in the catchment to be better prepared for flood events</i>
	6. Pilot program developed which provides for a tailored approach to flood awareness, education and response (with potential higher levels of service) based on sub catchment flood risk profiles		July 2018	Melbourne Water	<i>Responding to our communities needs for higher levels of service – building resilience and enabling preparedness and recovery uplift</i>
Post-flood actions	7. Work with EMV and VicSES for improved coordination and response, including scenario planning		June 2018	Melbourne Water	<i>Meeting community expectations for flood response</i>
	8. Communication to the community at appropriate times				

Action Plan – 2018

Theme: *Strategic planning*

Develop a consistent approach to land use planning across the Elster Creek Catchment which minimises the impacts of urban runoff. Opportunities are sought to further minimise flood risk across the catchment through innovation, research and collaborative partnerships.

Action	Deliverable	Resourcing	Timeline	Lead Agency	Outcome
<i>Planning for the catchment</i>	9. Complete a collective review (scan) of the Catchment's planning schemes to inform future 'catchment level' planning policy, focussing on the reduction in flood risk and adaptability provisions.		February 2018	City of Glen Eira	<i>Consistent Planning provisions across municipalities that minimise urban runoff and flood risk are implemented for the Elster Creek Catchment</i>
	10. Define future planning policy opportunities from a catchment wide perspective (IWM, Rainwater Tanks, Impervious %, Incentives and Offset Program) leveraging available research programs and partnership opportunities		May 2018	City of Glen Eira	
	11. Review outcomes of the Distributed Storages and Melbourne Urbanisation Mapping Projects to ascertain opportunities for further scenario development in the Elster Creek Catchment		March 2018	Melbourne Water	
<i>Collaborating with our partners</i>	12. Develop a plan to engage with stakeholders, the community and councils when commencing modelling and mapping projects (which lead to planning scheme amendments)		April 2017	Melbourne Water	
<i>Innovation</i>	13. Develop a plan to share existing or planned technology advancements across the catchment and progress these tools for early community benefits: <ul style="list-style-type: none"> - Flood warning app - Smart gauges 		May 2018	Melbourne Water	

Action Plan – 2018

Theme: Informed communities

Build community and agency awareness and a shared understanding of flooding in the Elster Creek Catchment

Action	Deliverable	Resourcing	Timeline	Lead Agency	Outcome
We communicate with our communities about flooding across the Elster Creek Catchment	14a. Communications approach and plan developed		January 2018	Lead Agency Port Phillip City Council	<i>Consistent and clearly understood communications about Elster Creek Catchment flooding</i>
	14b. Development of 'a community' lexicon in relation to flooding. Conversations and communications about flood risk are clearly articulated and shared across the Elster Creek Catchment. Simplifying flood terminology and concepts.				
Building our understanding, validating what we know	15. Develop a mechanism for impacted communities to update flood impacts during and post flood events using the latest NextGen technologies (ie: livestreaming, photos, drone information)		April 2018	Melbourne Water	<i>Enabling understanding of catchment wide flood impacts affecting the community</i>
Our engagement is focused	16. Map key stakeholders groups across the Elster Creek Catchment to understand influencers and advocacy opportunities		January 2018	Port Phillip City Council	<i>Information will form a baseline for future activities</i>
	17. Create a Community Reference Group to provide community feedback to the Working Group		February 2018	Port Phillip City Council	<i>Community is actively engaged</i>
Building our understanding	18. Develop a specific education program for Councillors, MP's Senior Council Executives and Stakeholder Advocacy Groups to: <ul style="list-style-type: none"> • Build understanding of the characteristics of the Elster Creek Catchment in relation to flooding • Understand mitigation options (i.e. 2011 GDH Flood Mitigation Study) 		March 2018	Port Phillip City Council	<i>Agencies and advocacy groups understand flood risk across the Elster Creek Catchment</i>