

MV2040 Action Plan

Green

‘Wunwarren’

This means ‘green’ in Woi-wurrung language.

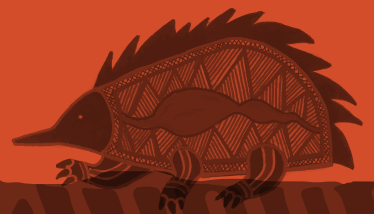




ACKNOWLEDGEMENT OF COUNTRY



Moonee Valley City Council respectfully acknowledges the Traditional Custodians of the land on which Moonee Valley is located – the Wurundjeri Woi-wurrung People of the Kulin Nation; and we pay our respects to their Spirits, Ancestors, Elders and Community Members past and present. Council also extends this respect to other Aboriginal and Torres Strait Islander Peoples who call Moonee Valley home.



Statement of Commitment

Statement of Commitment to the Wurundjeri Woi-wurrung People and to all Aboriginal and Torres Strait Islander Peoples.

Wanganyinu ngarr-gu Wurundjeri Woi-wurrung Gulinj ngargunin twarn biik wenerop Moonee Valley dharri, wanganyinu gahgook Nanggit baambuth ba yalingbu.

We acknowledge the Wurundjeri Woi-wurrung People as the Traditional Custodians of the Country on which Moonee Valley is located, we pay our respects to Elders past and present.

This Statement of Commitment was updated in 2017 and reaffirms the partnership between Moonee Valley City Council and Wurundjeri Woi-wurrung Council and renews our commitment to the Wurundjeri Woi-wurrung People and to all Aboriginal and Torres Strait Islander Peoples.

RESPECT GAHGOOK

Moonee Valley City Council respects:

- the Wurundjeri Woi-wurrung People as the first Australians on this land
- the unique status of Aboriginal Peoples as the original custodians of traditional lands and waters
- the special and distinctive spiritual and material relationship that Aboriginal Peoples have with the land, water, trees, rocks, hills and valley creeks, rivers and flood plains of the Moonee Valley area
- the value of the diversity and strength of Aboriginal and Torres Strait Islander Peoples and cultures to the heritage of all Australians.

RECOGNITION NGARNGAITH

Moonee Valley City Council recognises:

- Aboriginal and Torres Strait Islander Peoples as having a distinct culture, history and legacy with vibrancy, diversity and richness that all Australians can share in
- the unique spirit and contribution of Aboriginal and Torres Strait Islander Peoples, and the richness of traditional Indigenous languages
- the historical and environmental importance of the significant and sacred sites, and special places within the city
- the past injustices inflicted on Aboriginal and Torres Strait Islander communities by this and previous generations of non-Aboriginal Australians, and expresses our profound regret that these injustices occurred. In particular, Council is sorry for the forced removal of Aboriginal and Torres Strait Islander children from their families, confiscation of their traditional lands, the implementation of policies designed to extinguish Aboriginal and Torres Strait Islander practices, language and culture and for the pain these actions have caused and continue to cause the Aboriginal and Torres Strait Islander communities.

RELATIONSHIPS DJERRI

Moonee Valley City Council will advocate for:

- respect towards and recognition of the contribution of Aboriginal and Torres Strait Islander Peoples to Australian society, past and present
- the rights of Aboriginal and Torres Strait Islander Peoples
- increased opportunities and self-determination for Aboriginal and Torres Strait Islander Peoples
- the sustainability of Aboriginal and Torres Strait Islander organisations and programs.

MV2040 Action Plan

– Green

Together with our community we are working to reduce greenhouse gas emissions, divert waste from landfill, protect and recycle our valuable drinking water supplies, enhance our urban environment and ecology, and keep our city green and cool.

Managing our city's impact on the environment and adapting to climate change is a crucial part of making our city healthy.

In October 2019, Council declared and acknowledged the climate emergency. The climate emergency declaration is designed to accelerate sustained and meaningful action by all levels of government, and for people globally to engage with the challenge of avoiding catastrophic climate change and restoring a safe climate.

This action plan outlines how we will deliver against targets set for Council's operations. It also explains how we will influence and collaborate with others to contribute towards the achievement of targets for our community, and respond to the climate emergency.

The delivery of this action plan is subject to being feasible. This includes, but is not limited to, cost effectiveness, Council budget and priorities, access to external funding and other constraints to delivery of action items.

COVID-19 PANDEMIC RECOVERY

COVID-19 has far reaching consequences across the globe and Moonee Valley is no exception. Its effects are felt on our city's social, cultural, economic and recreational fabric, as well as on Council's finances and model of service delivery. It is likely the impacts will continue to register for the next few years and this means we need to be adaptive and responsive in achieving our MV2040 outcomes.

MV2040 Action Plans now identify initiatives to assist with the city's recovery. Council has identified a range of items in the MV2040 Action Plan – Green, that forms part of our recovery priorities in the coming year. These items have been identified as recognising that the recovery will involve social, economic and environmental approaches to support the community. Core principles for effective community recovery management are accountability, flexibility, adaptability and responsiveness to the changing needs of our community. Council will review the items annually in line with these principles to note the progress made, align action items with budget and emerging priorities and capacity, and reflect significant changes and shifts in service provision models.

Reading this plan

The delivery section includes notes to explain some actions.

Actions marked with the Recovery item symbol mean these actions are to help our community respond, adapt and recover from the pandemic.

The Implementation Initiative symbol shows actions which are Implementation Initiatives in MV2040.

Actions listed as 'ongoing' will be delivered each year of the action plan until 2040.

ADDRESSING MV2040 STRATEGIC DIRECTIONS

The action plan addresses four MV2040 strategic directions:



A city that is low carbon

Across the globe there is a pressing need to reduce carbon emissions to avoid the worst impacts of climate change.

We all have a part to play to achieve deep cuts to emissions. This requires a shared effort across residents, businesses, Council and other levels of government.

To play our part, we have a target to achieve zero net carbon emissions from Council operations by 2020, by a combination of reducing corporate carbon emissions and the purchase of carbon offsets.

Along with our MV2040 target that we achieve zero net emissions for our community by 2040, we also have interim community emissions reduction targets of:

- 44 per cent below 2017 levels by 2025;
- 67 – 70 per cent below 2017 levels by 2030.



A city that is green and water-sensitive

The urban forest, including all the trees and vegetation in our city is critically important to both mental and physical health as these cool, green environments encourage people to recreate and socialise outdoors. As the climate changes and we experience hotter, drier and more extreme weather conditions, our community will be more impacted by heat stress and flood risk. A healthy urban forest is one of the most effective ways to mitigate urban heat island and improve health outcomes in the community.

Water is critical to creating much needed green, cool, and climate-adapted spaces in our city. In 2040, our city supports healthy natural environments, waterways and green spaces, while providing sustainable water supplies to meet our needs. Along with our MV2040 target, by 2040, we plan to:

- reduce Council's outdoor potable water use by 55 per cent (based on 127 ML per year in 2014/15)
- reduce Council's indoor potable water use by 10 per cent (baseline of 39 ML per year in 2014/15)

- reduce annual load of total nitrogen discharged to waterways by 600kg per year (baseline 2019/20)
- reduce gross pollutants discharged to waterways by 150 tonnes per year
- reduce the total volume of stormwater discharged to waterways by 80 ML per year.



A city that rethinks waste

Australian households produce over 13 million tonnes of waste per year and in Moonee Valley we lead typical Australian, high consumption lifestyles. We cannot sustain this level of consumption and associated waste generation. We need to rethink our use of resources and consider the legacy we leave future generations. Over the coming decades this will require a major shift to see ourselves as stewards of our natural resources, rather than primarily consumers and producers of waste.

We need to consider the whole of life cycle of products and value durable, long-lasting materials. By first avoiding waste and increasing reuse, recycling and other forms of resource recovery, we can dramatically cut waste disposed to landfill.

Council acknowledges that the achievement of our aspirational target depends on developments in the waste industry that are outside Council's control, such as improved resource recovery technologies and changes in the regulatory environment.



A city that is cool and climate-adapted

As the climate changes, we expect to see more extreme weather, such as storms and floods, and generally hotter, drier conditions. This will place additional pressure on the community, impact Council assets and disrupt services. It will however, also present new opportunities, such as acting as a driver to create a cooler, more climate resilient city with a lower carbon footprint.

Climate change adaptation is about being better prepared and equipped to cope with the impacts of climate change. Adaptation planning involves improving the ability of Council's services, our natural and built assets, and our community to be resilient to the impacts of climate change.

MV2040 Context

The MV2040 Strategy is Council's long-term plan for improving the health, vibrancy and resilience of our city over the next two decades. It has been prepared to shape the type of city and neighbourhoods we want to live in.

The world is changing rapidly and, to enable us to keep pace, the ideas and concepts presented in MV2040 are designed to be bold, inspirational and transformational.

MV2040 and the Council Plan form an integrated approach to planning, delivery, monitoring and reporting. The Council Plan supports the vision and overarching strategic framework of MV2040 by outlining what Council will do in the four year term to achieve a healthy city.

VISION STATEMENT

MOONEE VALLEY - A HEALTHY CITY

In 2040 Moonee Valley is a great place to live, work and visit, strengthened by a network of 20-minute neighbourhoods. Our neighbourhoods allow all people, at all stages of life, to live locally, accessing most of their needs close to their home.

Our neighbourhoods are beautiful, sustainable and hold strong community connections which enable citizens and the environment to be healthy and resilient.

BUILDING BLOCKS FOR A HEALTHY CITY

We all deserve to live in a city where we are not just surviving, we are thriving. These are the building blocks of our healthy city:

- A **fair** city that values diversity, where everyone feels safe, is included, is healthy and has access to services and housing.
- A **thriving** city with access to jobs, lifelong learning, vibrant and dynamic activity centres.
- A **connected** city of accessible, active and sustainable transport choices.
- A **green** city that is ecologically healthy and environmentally responsible.
- A **beautiful** city that celebrates its identity, heritage and open spaces.



FOCUS ON NEIGHBOURHOODS

Council is moving to a neighbourhood planning approach for our planning and service delivery. This approach will help us create a more inclusive, vibrant and healthy city.

Plan Melbourne 2017-2050 focuses on improving Melbourne's health and liveability through the creation of 20-minute neighbourhoods. They must:

- be safe, accessible and well connected for pedestrians and cyclists
- offer high-quality public realm and open space
- provide services and destinations that support living locally
- facilitate access to quality public transport that connects people to jobs and higher-order services
- deliver housing/population at densities that make local services and transport viable
- facilitate thriving local economies.

Based on State Government directions, our city has been mapped into 13 20-minute neighbourhoods. These neighbourhoods are defined by the ability to reach day to day needs and services such as shops, open spaces, schools, community facilities, public transport and some jobs within a 20-minute walk.

Each of our 13 neighbourhoods has a distinctive character and identity, with individual challenges and opportunities for improving liveability. We know that a one size fits all solution does not work, and the benefit of neighbourhood planning is that we can identify local priorities and tailor responses to improve the health and vibrancy of all parts of our city. It means prioritising health and wellbeing outcomes through our planning, and delivering services and infrastructure necessary to foster community pride and connection.



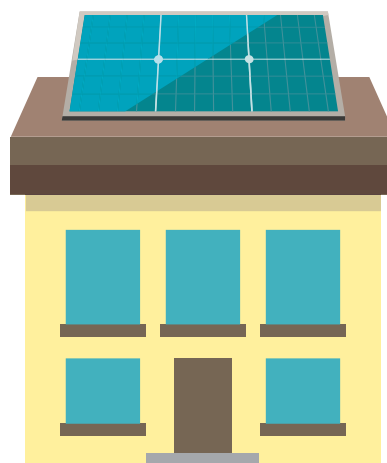


STRATEGIC DIRECTION 13: A city that is low carbon



TARGET: We achieve zero net emissions for our community and reduce emissions from Council operations by 95 per cent by 2040

OBJECTIVES	ACTIONS
13.1 Support renewable energy	<p>13.1.1 Install solar systems on Council and community buildings</p> <p>13.1.2 Support the community to invest in solar systems and emerging renewable technologies</p>
13.2 Create a low carbon city and economy	<p>13.2.1 Ensure new private and public buildings meet a high sustainability standard and upgrade existing buildings</p> <p>13.2.2 Encourage businesses focused on green technology, services and sustainable business models</p> <p>13.2.3 Continue to upgrade street lighting to efficient, smarter technologies</p>
13.3 Facilitate low emissions transport	<p>13.3.1 Improve infrastructure to encourage walking and cycling and access to public transport</p> <p>13.3.2 Improve access and connections to public transport</p> <p>13.3.3 Facilitate the uptake of electric and other efficient vehicles</p> <p>13.3.4 Plan for emerging transport trends and technologies, such as autonomous vehicles</p>
13.4 Engage the community in low carbon living	<p>13.4.1 Deliver residential solar, home retrofit and behaviour change programs</p> <p>13.4.2 Support early years' services and schools to operate sustainably and provide sustainability education to our children and young people</p> <p>13.4.3 Support community hubs for sustainable living and engage local champions</p>



STRATEGIC DIRECTION 14: A city that is green and water-sensitive



TARGET: We achieve 30 per cent canopy cover by 2040 through enhancing our urban forest

OBJECTIVES	ACTIONS
14.1 Enhance our urban forest	<p>14.1.1 Invest in additional plantings and overcome impediments to increasing canopy cover and vegetation diversity in streetscapes, parks and reserves</p> <p>14.1.2 Protect vegetation on private land and require additional plantings</p> <p>14.1.3 Plant a diversity of trees to ensure climate, pest and disease resilience and prioritise plantings to areas of need</p>
14.2 Create diverse and connected landscapes	<p>14.2.1 Establish interconnected networks of biodiverse green spaces, waterway corridors, streetscapes and private gardens</p> <p>14.2.2 Work with partners to enhance linear parkland along waterways, improving connectivity for walking, cycling and habitat corridors achieving contiguous connections where possible</p>
14.3 Enhance our ecological values	<p>14.3.1 Manage our significant conservation sites and protect remnant vegetation</p> <p>14.3.2 Plant native, resilient vegetation to enhance biodiversity and create habitat</p> <p>14.3.3 Where relevant and appropriate, adopt traditional Aboriginal land management practices in partnership with the Wurundjeri People as the Traditional Custodians</p>
14.4 Capture and reuse water to create cool spaces, reduce run-off to waterways and mitigate flood risk and enhance environmental values	<p>14.4.1 Harvest, treat, and reuse water for sports field and park irrigation</p> <p>14.4.2 Invest in passive irrigation using stormwater run-off for our street trees and landscapes</p> <p>14.4.3 Naturalise some stormwater drains and increase surface permeability to retain more water in our landscapes</p> <p>14.4.4 Adopt smart water storage technologies to slow run-off and mitigate flood risk</p>
14.5 Support our community to connect with nature	<p>14.5.1 Skill residents, early years services and schools to grow their own food and create climate resilient biodiverse gardens</p> <p>14.5.2 Engage our community to connect with nature, the water cycle and the part they play in contributing to healthy waterways, open spaces and ecosystems</p> <p>14.5.3 Create spaces for food growing and sharing in public spaces</p>

STRATEGIC DIRECTION 15: A city that rethinks waste



TARGET: We divert 90 per cent of household waste and waste from Council operations from landfill by 2040

OBJECTIVES	ACTIONS
15.1 Engage residents, businesses, early years' services and schools around waste avoidance, reuse and recycling	<p>15.1.1 Partner with and enable the community to develop creative solutions to avoid waste</p> <p>15.1.2 Work with others to create community spaces for sharing, reuse and repair (such as skill sharing and tool and equipment libraries)</p> <p>15.1.3 Deliver waste and litter behaviour change projects</p>
15.2 Advocate for and invest in infrastructure and improved waste management systems	<p>15.2.1 Trial innovative solutions to waste problems and adopt emerging smart technologies as they become viable</p> <p>15.2.2 Put leading practice infrastructure and systems in place to dramatically reduce the amount of organic waste and recyclables sent to landfill, such as enabling recycling away from home, accessible recycling hubs, organic waste recycling services for every household and litter infrastructure</p> <p>15.2.3 Work at a regional scale to develop new infrastructure for waste recovery, such as recycling, biological and mechanical treatment and energy recovery</p> <p>15.2.4 Advocate and educate producers to take responsibility for their products over the whole life cycle</p> <p>15.2.5 Proactively improve our waste contracts and systems to increase recovery rates as options become viable, such as recycling soft plastics, polystyrene and other wastes currently disposed to landfill</p>
15.3 Ensure waste management planning manages the impacts of growth from new developments	<p>15.3.1 Develop innovative waste management approaches and technologies to reduce waste from higher-density developments</p> <p>15.3.2 Strengthen waste management planning requirements for new developments to reduce waste generation, divert more waste from landfill and minimise amenity impacts</p>

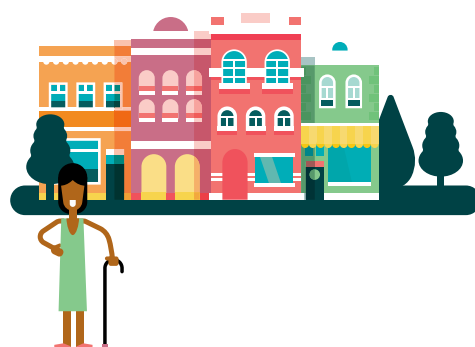


STRATEGIC DIRECTION 16: A city that is cool and climate-adapted



TARGET: Moonee Valley is a city that achieves climate resilience through supporting the community and planning a built environment that adapts to a changing climate

OBJECTIVES	ACTIONS
16.1 Plan and build a climate resilient city	<p>16.1.1 Embed planning for climate resilience into our urban planning processes, including requirements to mitigate urban heat, retain moisture and increase vegetation</p> <p>16.1.2 Monitor, plan for and respond to climate-related impacts on Council's assets, infrastructure and services, including energy insecurity, flood, wind and storm risk and heat stress</p> <p>16.1.3 Improve flood risk information, and manage development in flood prone areas through overlays and other planning measures</p> <p>16.1.4 Continually improve design standards for buildings, drainage, roads and landscape infrastructure to accommodate climate-related risks</p> <p>16.1.5 Improve decision-making tools and build capacity for climate adaptation based on up-to-date climate data and future climate scenarios</p>
16.2 Create climate adapted green spaces	<p>16.2.1 Mitigate urban heat by increasing vegetation, including green roofs and walls</p> <p>16.2.2 Create water sensitive, climate adapted landscapes through water harvesting and reuse, flood retention, drought resilient open spaces and passively irrigated streetscapes</p>
16.3 Foster community resilience to climate impacts	<p>16.3.1 Partner with community groups and other government bodies to support vulnerable residents and businesses to prepare for adverse weather, heatwaves, flood risk, transport and utility disruptions and emergencies</p> <p>16.3.2 Improve understanding of climate change impacts in the community and build the capacity of people to respond</p>



Delivering MV2040 - Green

The following table sets out the actions Council will undertake to deliver the Green aspects of MV2040.

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
STRATEGIC DIRECTION 13: A city that is low carbon					
1	Procure 100 per cent renewable electricity for Council's operations in the next electricity contract	2020-2021	\$	Supports the delivery of objective 13.1	★
2	Partner with stakeholders to facilitate community-led local renewable energy projects	2022-2025	\$	Supports the delivery of objective 13.1	★
3	Continue to prioritise electric over gas infrastructure in new and existing Council buildings in accordance with internal guidelines	Ongoing	\$	Supports the delivery of objective 13.1	
4	Install solar energy systems on Council community buildings	2022-2025	\$\$\$	13.1.1	★
5	Facilitate programs to assist residents to purchase solar systems and other sustainable home retrofits	Ongoing	\$	13.1.2	★



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
6	Report on heritage barriers to installing solar in Moonee Valley and solutions	2022-2025	\$	13.1.2	
7	Facilitate Environmental Upgrade Agreements for commercial building owners to enable environmental upgrades of buildings, plant and equipment	Ongoing	\$	13.1.2	★
8	Adopt new approaches to reduce community carbon emissions while working in partnership with other parties, such as councils in regional greenhouse alliances	Ongoing	\$	13.1.2	★
9	Implement energy efficient retrofits for Council's buildings and facilities	Ongoing	\$	Supports the delivery of objective 13.2	
10	Update systems to manage Council's utilities consumption data to improve accuracy for reporting and realise cost savings	2020-2021	\$	Supports the delivery of objective 13.2	
11	Achieve carbon neutral certification for Council operations through the National Climate Active Standard	2020-2021	\$	Supports the delivery of objective 13.2	
12	Develop and implement a program to assist businesses improve their energy efficiency	2022-2025	\$	Supports the delivery of objective 13.2	★



KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ★ RECOVERY ITEM

\$ (UP TO \$1M) | \$\$\$ (\$5M-\$10M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
13	Investigate Council divesting out of fossil fuels, and Council's default superannuation fund for employees being an ethical choice	2020-2021	\$	Supports the delivery of objective 13.2	
14	Identify and implement opportunities to maximise environmentally sustainable design (ESD) outcomes from project inception, through to design and construction of new Council buildings and major refurbishments	Ongoing	\$	13.2.1	
15	Achieve best practice in ESD for private developments, from the design stage through to construction and operation, by applying the Environmentally Sustainable Development local policy in the Moonee Valley Planning Scheme	Ongoing	\$	13.2.1	
16	Engage businesses and trader organisations on sustainable business practices and transitioning to a low carbon economy	Ongoing	\$	13.2.2	★
17	Foster opportunities for partnerships and businesses to grow and prosper from the low carbon economy	Ongoing	\$	13.2.2	
18	Attract and encourage new businesses seeking to take up opportunities presented by a low carbon economy	Ongoing	\$	13.2.2	



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
19	Work with VicRoads and other partners, and seek funding to upgrade major roads lighting to LED and other smarter technologies	Ongoing	\$	13.2.3	
20	Update Council's Fleet Policy to transition to low and zero emissions vehicles	2020-2021	\$	13.3.3	
21	Investigate opportunities to support the installation of public place electric vehicle charging stations	2020-2021	\$	13.3.3	
22	Develop a proposal for how local government can support low income households to move off gas	2022-2025	\$	Supports the delivery of objective 13.4	
23	Support the community, including special interest and sporting groups, to reduce carbon emissions through engagement, education, and the promotion of residential retrofit and behaviour change initiatives	Ongoing	\$	13.4.1	★
24	Deliver programs to build the capacity of the community to initiate community-led actions to reduce carbon emissions and achieve other sustainability outcomes	Ongoing	\$	13.4.1	★
25	Assist schools to educate young people around sustainability and embed sustainability into their operations	Ongoing	\$	13.4.2	

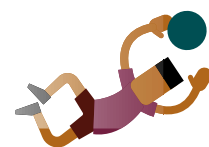


KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ★ RECOVERY ITEM

\$ (UP TO \$1M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
26	Promote educational programs and partners that can assist schools to provide environmental sustainability education	Ongoing	\$	13.4.2	
27	Identify emerging and existing community sustainability groups and individuals and create hubs	2020-2021	\$	13.4.3	
28	Identify and establish locations where sustainable living activities could be accommodated within community facilities	2020-2021	\$	13.4.3	
STRATEGIC DIRECTION 14: A city that is green and water-sensitive					
29	Achieve 30 per cent tree canopy cover through enhancing the urban forest	Ongoing	\$\$\$	Supports the delivery of objective 14.1	★
30	Increase the number of street trees to be planted each year	Ongoing	\$\$	14.1.1	Baseline 2,000 trees per year
31	Increase the number of trees planted annually in Council's open spaces and preference species that contribute to canopy tree, biodiversity and climate resilience	Ongoing	\$\$	14.1.1	★



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
32	Design and implement streetscapes to achieve additional tree canopy in space constrained streets, including retrofitting existing streetscapes where possible	Ongoing	\$	14.1.1	
33	Partner with Jemena and advocate for increased cable bundling and underground power lines, where possible, to minimise the impact of powerlines and maximise opportunities for canopy trees	Ongoing	\$	14.1.1	
34	Develop a Vertical Clearance Plan for the municipality	2022-2025	\$	14.1.1	
35	Work with VicRoads to establish trees along arterial roads	Ongoing	\$	14.1.1	
36	Negotiate with large new developments to have underground powerlines, where appropriate, so that large canopy trees can be established without the need for future line clearance pruning	Ongoing	\$	14.1.1	
37	Establish a process for new developments lacking a street tree that requires developers to pay Council the cost of installing an advanced tree and maintenance costs during the tree establishment period	2020-2021	\$	14.1.1	



KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ☆ RECOVERY ITEM

\$ (UP TO \$1M) | \$\$ (\$1M-\$5M) | \$\$\$ (\$5M-\$10M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
38	Maximise opportunities for additional tree planting during the design phase of renewal and civil works projects with all project stakeholders	Ongoing	\$	14.1.1	
39	Investigate strengthening planning controls to require additional tree canopy for new private developments	2020-2021	\$	14.1.2	
40	Include additional tree canopy planting requirements in the planning permit process for private land	Ongoing	\$	14.1.2	
41	Council to use a 'fit-for-purpose' philosophy and ensure the right tree is planted in the right location by using a selection criteria	Ongoing	\$	14.1.3	
42	Adapt Council's tree palette and planting program over time to allow diversity and resilience	Ongoing	\$	14.1.3	
43	Establish interconnected networks of biodiverse green spaces, waterway corridors, streetscapes and private gardens	Ongoing	\$	14.2.1	★
44	Revitalise Steele Creek to create a healthy, biodiverse waterway and connected open space	2031-2040+	\$\$	14.2.1	★
45	Foster partnerships with Friends Groups, government stakeholders and neighbouring councils to prioritise and implement greening programs that contribute to connected landscapes particularly across land tenure	Ongoing	\$	14.2.1	

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
46	Strengthen habitat connectivity by increasing indigenous vegetation and structural elements and removing barriers to improve the movement of flora and fauna	Ongoing	\$	14.2.1	★
47	Incorporate the principles of habitat connectivity as part of open space master planning	Ongoing	\$	14.2.1	
48	<p>Advocate State Government and other relevant stakeholder organisations for:</p> <ul style="list-style-type: none"> ▪ retention of land, additional tree cover and planting on land owned by State Government agencies to improve habitat connectivity ▪ enhancement of linear parkland along waterways to improve connectivity for walking, cycling and habitat corridors ▪ greater levels of funding for urban greening, including extending links along key corridors such as waterways and active transport routes ▪ stronger planning controls for our catchments to increase waterway health and appropriate sensitive interface between private dwellings and public land 	Ongoing	\$	14.2.2	



KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ★ RECOVERY ITEM

\$ (UP TO \$1M) | \$\$ (\$1M-\$5M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
49	Identify opportunities to enhance existing and potential new walking and cycling routes with additional canopy cover to encourage the community to use active transport	2020-2021	\$	14.2.2	★
50	Work with partners and take a regional approach through participation in government initiatives to extend and link existing urban greening initiatives across Melbourne	Ongoing	\$	14.2.2	
51	Participate in key regional networks and working groups to progress priority projects and water and land management issues for Council	Ongoing	\$	14.2.2	
52	Advocate for stronger planning controls to protect the Maribyrnong River	2022-2025	\$	Supports the delivery of objective 14.3	★
53	Protect remnant vegetation and habitat through the development and implementation of site specific management plans at key conservation reserves	Ongoing	\$	14.3.1	
54	Actively participate in industry partnerships and research programs	Ongoing	\$	14.3.1	
55	Increase biodiversity and ecological health throughout the municipality by increasing the diversity of landscapes, species used in plantings and structural diversity of plantings, and incorporating abiotic elements	Ongoing	\$	14.3.2	



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
56	Plant indigenous, resilient vegetation in open spaces where possible to support habitat and biodiversity	Ongoing	\$	14.3.2	★
57	Actively seek and integrate Wurundjeri Woi-wurrung cultural indigenous knowledge of water and land management into site management plans, projects and master plans	Ongoing	\$	14.3.3	
58	Install rainwater tanks and other water efficient devices in Council buildings to reuse and conserve water	Ongoing	\$	Supports the delivery of objective 14.4	
59	Determine priority sites to reduce litter discharged to waterways and implement site-specific approaches to improve water quality	2020-2021	\$	Supports the delivery of objective 14.4	
60	Deliver the Maribyrnong Park passive open space irrigation through stormwater harvesting and treatment	2031-2040+	\$	14.4.1	★
61	Install the AJ Davis Reserve stormwater harvesting, treatment and irrigation scheme	2031-2040+	\$\$	14.4.1	★
62	Install the Hanson Etzel Reserve stormwater harvesting, treatment and irrigation scheme	2031-2040+	\$	14.4.1	★
63	Deliver the Ascot Chase wetland stormwater harvesting to irrigate Walter Street Reserve and Fairbairn Park	2022-2025	\$\$	14.4.1	★

KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ★ RECOVERY ITEM

\$ (UP TO \$1M) | \$\$ (\$1M-\$5M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
64	Install the Canning Street Reserve and Canning Street Tea Gardens stormwater harvesting, treatment and irrigation scheme	2031-2040+	\$	14.4.1	★
65	Install the Avondale Heights Reserve stormwater harvesting, treatment and irrigation scheme	2031-2040+	\$\$	14.4.1	★
66	Install the Debneys Park stormwater treatment, harvesting and irrigation scheme	2031-2040+	\$	14.4.1	★
67	Install the Overland Reserve stormwater harvesting, treatment, harvesting and irrigation scheme	2026-2030	\$	14.4.1	★
68	Install the Rosehill Reserve wetland stormwater harvesting, treatment and irrigation scheme	2022-2025	\$\$	14.4.1	★
69	Install the Ormond Park Reserve stormwater harvesting, treatment and irrigation scheme	2026-2030	\$\$	14.4.1	★
70	Install the Queens Park raingarden and stormwater treatment	2022-2025	\$\$	14.4.1	★
71	Install the Buckley Park wetland, stormwater harvesting, treatment and irrigation scheme	2026-2030	\$\$	14.4.1	★



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
72	Install the Cross Keys Reserve stormwater harvesting, treatment and irrigation scheme	2031-2040+	\$	14.4.1	★
73	Install the Five Mile Creek biotrention scheme	2031-2040+	\$	14.4.1	★
74	Install the Boeing and Strathnaver Reserves stormwater harvesting, treatment and irrigation scheme	2031-2040+	\$\$	14.4.1	★
75	Install the Lebanon Reserve stormwater harvesting, treatment and irrigation scheme	2031-2040+	\$\$	14.4.1	★
76	Investigate sites in the municipality for stormwater harvesting to reuse water for irrigation and prioritise irrigation sites	Ongoing	\$	14.4.1	
77	Improve the efficiency of sports field and park irrigation	Ongoing	\$	14.4.1	
78	Develop standard designs and install passive irrigation systems and permeable surfaces for street trees, wherever possible	2022-2025	\$	14.4.2	
79	Design and install low-tech passive irrigation infrastructure on wide median and nature strips, where feasible	2022-2025	\$	14.4.2	
80	Investigate improvement options to use stormwater run-off when roads are upgraded	Ongoing	\$	14.4.2	

KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ☆ RECOVERY ITEM

\$ (UP TO \$1M) | \$\$ (\$1M-\$5M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
81	Incorporate WSUD approaches into Council's new or upgraded landscaping, facilities and car parks	Ongoing	\$	14.4.2	
82	Maximise evapotranspiration through retaining water in the landscape and increasing vegetated surfaces	Ongoing	\$	14.4.2	
83	Revitalise Moonee Ponds Creek through naturalisation, flood mitigation and stormwater harvesting and reuse	2022-2025	\$\$	14.4.3	★
84	Remove asphalt and concrete around street tree bases when renewing assets and replace with pervious surfaces to encourage healthy root growth	Ongoing	\$	14.4.3	
85	Increase permeability and incorporate WSUD elements into streetscape and road upgrades wherever feasible	Ongoing	\$	14.4.3	
86	Investigate green infrastructure alternatives to grey infrastructure problems including stormwater detention and acquisition of land subject to flooding, to avoid detrimental effects to waterways	Ongoing	\$	14.4.3	
87	Maximise flood storage with smart water storage technologies as part of Council's stormwater harvesting schemes	Ongoing	\$	14.4.4	



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
88	Educate, support and partner with community groups to enable the community to create biodiverse, productive and climate adapted gardens	Ongoing	\$	14.5.1	★
89	Empower and support the community to deliver environmental programs and care for local nature	Ongoing	\$	14.5.1	★
90	Deliver community engagement, educational events and communication activities around using water sensitively, connecting with nature and waterways, climate resilience and the benefits of the urban forest	Ongoing	\$	14.5.2	★
91	Engage and inform residents about Council's conservation assets in high profile locations	Ongoing	\$	14.5.2	
92	Partner with Friends Groups and community members to improve the health of our waterways and riparian environments, through advocacy and engagement	Ongoing	\$	14.5.2	★
93	Implement landscape design initiatives to enhance the community's understanding, enjoyment and value of natural environments including grasslands	Ongoing	\$	14.5.2	
94	Allow space for planting of productive trees and plants on Council land, where appropriate	2022-2025	\$	14.5.3	

KEY

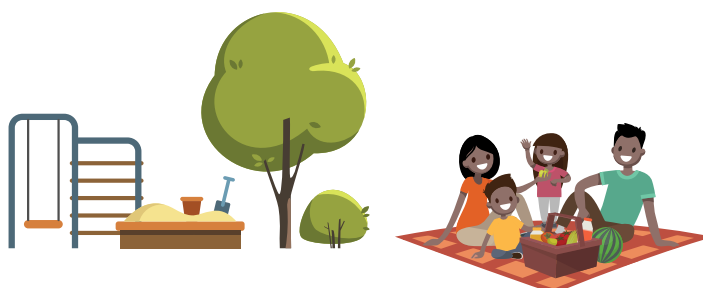
★ MV2040 IMPLEMENTATION INITIATIVE | ★ RECOVERY ITEM

\$ (UP TO \$1M) | \$\$ (\$1M-\$5M)



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
STRATEGIC DIRECTION 15: A city that rethinks waste					
95	Divert all food waste from landfill	2026-2030	\$\$	Supports the delivery of objective 15.1	★
96	Divert 90 per cent of all waste from landfill	2040	\$\$\$\$	Supports the delivery of objective 15.1	★
97	Support the community with initiatives to value resources, avoid and reduce waste, and increase resource efficiency	Ongoing	\$	15.1.1	
98	Develop new partnerships to establish repair and reuse hubs and identify funding opportunities	2020-2021	\$	15.1.2	
99	Develop and deliver communication and education activities to engage Council staff and the community to avoid waste and increase resource recovery	Ongoing	\$	15.1.3	★
100	Partner with other levels of government and leverage regional and state-wide waste management communication and educational initiatives	Ongoing	\$	15.1.3	★
101	Implement targeted litter reduction initiatives	2022-2025	\$	15.1.3	
102	Provide a comprehensive waste and recycling education program for Council's kerbside collection service	Ongoing	\$	15.1.3	★

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
103	Assess Council operations waste streams to determine recycling rates and levels of contamination, and implement initiatives to improve recycling performance and minimise waste to landfill	2020-2021	\$	Supports the delivery of objective 15.2	
104	Advocate to the State Government to ban single-use plastic food containers, straws and cutlery used by take-away stores and educate local businesses about sustainable packaging alternatives	2020-2021	\$	Supports the delivery of objective 15.2	
105	Use alternative technologies to recover resources	2026-2030	\$\$	15.2.1	★
106	Trial weekly kerbside organics collection and fortnightly waste collection with a selected group of households	2022-2025	\$	15.2.1	Timing dependent on ability of external organic waste processors
107	Identify litter hotspots and strategic locations for additional gross pollutant traps or other devices	2022-2025	\$	15.2.1	
108	Trial public place recycling bins in key locations	2022-2025	\$	15.2.1	
109	Investigate providing recycling hubs in high profile locations for items that are not accepted or cannot be placed in kerbside recycling bins	2022-2025	\$	15.2.2	



KEY	
★	MV2040 IMPLEMENTATION INITIATIVE
☆	RECOVERY ITEM
\$ (UP TO \$1M)	\$\$ (\$1M-\$5M) \$\$\$ (\$5M-\$10M) \$\$\$\$ (\$10M-\$20M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
110	Investigate options for businesses to adopt food waste recycling	2022-2025	\$	15.2.2	
111	Apply Council's <i>Sustainable Events Guidelines</i> to all events held on Council land	2020-2021	\$	15.2.2	
112	Conduct kerbside bin inspections to determine contamination levels to inform appropriate community education	2022-2025	\$	15.2.2	
113	Promote Council's food and organic waste recycling service to increase uptake of this service	Ongoing	\$	15.2.2	Dependent on ability of external organic waste processors
114	Engage in regional partnerships and forums to identify and develop emerging waste recovery options and the provision of waste services at an appropriate scale	Ongoing	\$	15.2.3	
115	Review Council's Procurement Policy to include consideration of: <ul style="list-style-type: none"> ▪ whole of lifecycle impacts and costs ▪ requiring suppliers to demonstrate waste avoidance and efficient use of resources ▪ a level of recyclable content and reuse capability of materials to assist in the creation of domestic markets ▪ investigate excluding future contracts, tenders or business dealings any companies involved in developing coal mines 	2020-2021	\$	15.2.4	



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
116	Advocate State Government and support initiatives to encourage the circular economy where waste avoidance and enhanced resource recovery is prioritised	Ongoing	\$	15.2.4	
117	Undertake bi-annual kerbside bin audits using State Government best practice guidelines to track recycling rates and levels of contamination to inform appropriate community education	Ongoing	\$	15.2.5	
118	Promote existing recycling options for soft plastics and polystyrene and explore other viable kerbside material recycling options	Ongoing	\$	15.2.5	
119	Investigate organic waste recycling options that meet the needs of residents in apartments or with limited outdoor space	Ongoing	\$	15.3.1	
120	Investigate innovative waste management services for multi-unit and mixed use development to be incorporated into waste management plans	2020-2021	\$	15.3.1	
121	Reduce the impacts of residential and commercial waste, through requirements in Waste Management Plans for new developments along with education and compliance activity	Ongoing	\$	15.3.2	

KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ☆ RECOVERY ITEM

\$ (UP TO \$1M)



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
STRATEGIC DIRECTION 16: A city that is cool and climate-adapted					
122	Undertake mapping and analysis of urban heat island effects and determine appropriate mitigation options	2020-2021	\$	Supports the delivery of objective 16.1	
123	Encourage community members to improve tree canopy cover and educate them about urban heat island effect mapping	2020-2021	\$	Supports the delivery of objective 16.1	★
124	Develop an internal Council program to respond to climate emergency	2020-2021	\$	Supports the delivery of objective 16.1	
125	Advocate State Government around priority integrated water management and climate resilience matters	2020-2021	\$	16.1.1	



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
126	Require Neighbourhood Plans to: <ul style="list-style-type: none"> ▪ specify building heights, setbacks and street height clearance, where appropriate that provide space for canopy trees and avoid excess shading and negative wind impacts ▪ consider how to best provide for equivalent urban cooling where space is constrained (such as through green walls or facades) ▪ encourage additional canopy tree establishment for new private developments ▪ consider appropriate planning controls to avoid detrimental impact to waterways ▪ incorporate integrated water management, WSUD elements and include relevant design guidelines for climate resilience 	Ongoing	\$	16.1.1 16.2.2	
127	Consider integrated water management into Council's drainage design to help reduce flood impacts and reduce the need for expensive drainage capacity upgrades	Ongoing	\$	16.1.2	



KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ★ RECOVERY ITEM

\$ (UP TO \$1M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
128	Develop a municipal-wide flood mitigation plan to identify potential locations for stormwater detention in Council managed land	2020-2021	\$	16.1.2	
129	Prioritise climate-resilient materials when purchasing new, or refurbishing Council assets	Ongoing	\$\$	16.1.2	
130	Develop an internal process to ensure an integrated water management approach, which considers the whole project life cycle, is taken to projects that have traditionally been flood and drainage projects.	Ongoing	\$	16.1.2	
131	Incorporate climate ready considerations for public realm, green infrastructure and urban design projects to aid the creation of more thermally comfortable and attractive urban spaces	Ongoing	\$	16.1.2	
132	Review and update climate-related risks in Council's <i>Enterprise Risk Register</i>	Ongoing	\$	16.1.2	
133	Identify priority locations for irrigated public open spaces to provide urban cooling and promote these locations to the community	2020-2021	\$	16.1.2	



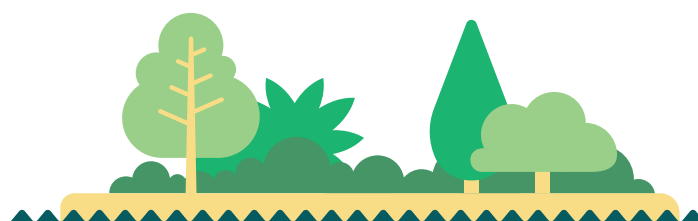
#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
134	Undertake municipal flood modelling and mapping of Council's drainage assets to inform capital works programming and potential flood overlays	2020-2021	\$	16.1.3	
135	Refresh Council's Flood Management Plan in partnership with Melbourne Water and Victoria State Emergency Services	2020-2021	\$	16.1.3	
136	Incorporate the impacts of rainfall in a changing climate when planning future drainage upgrade works	Ongoing	\$	16.1.4	
137	Incorporate future climate impacts in Council's asset management plans	Ongoing	\$	16.1.4	
138	Apply Council's <i>Sustainable Buildings and Facilities Guideline</i> to all new work to Council buildings	Ongoing	\$	16.1.4	
139	Consult relevant authorities, standards and other expert advice to ensure Council buildings are designed and constructed to address climate-related risks	Ongoing	\$	16.1.4	
140	Adopt appropriate technologies to map, analyse, monitor and predict changes in tree canopy and climate data to assist with future decision making and planning	Ongoing	\$	16.1.5	

KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ★ RECOVERY ITEM

\$ (UP TO \$1M) | \$\$ (\$1M-\$5M)

#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
141	Assess Council's climate change adaptation performance using relevant external and industry monitoring, evaluation and reporting frameworks and tools	2020-2021	\$	16.1.5	
142	Advocate to the State Government for a state-wide policy that encourages more green roofs on high density developments	2020-2021	\$	Supports the delivery of 16.2	
143	Demonstrate and promote green infrastructure the community can adopt that provides an urban cooling effect, including green walls and roofs	2022-2025	\$	16.2.1	
144	Encourage the community to invest in increasing vegetation in private spaces	2022-2025	\$	16.2.1	
145	Deliver the Aberfeldie Park wetland	2026-2030	\$\$	16.2.2	★
146	Construct stormwater treatment, harvesting and reuse projects in line with Council's capital works program	Ongoing	\$\$	16.2.2	
147	Inform our local community of climate and environmental advocacy through Council communications channels	Ongoing	\$	Supports the delivery of objective 16.3	



#	ITEM	TIME PERIOD	\$	MV2040 ACTION	NOTES
148	Partner with relevant external stakeholders to create knowledge, capacity and information about the impacts of climate change in the community, actions that reduce or eliminate these impacts, and methods to adapt	Ongoing	\$	16.3.1	★
149	Engage with the community to improve understanding of climate change impacts	Ongoing	\$	16.3.1	★
150	Provide tailored support to vulnerable members of the community to prepare for climate change impacts and build response capacity	Ongoing	\$	16.3.1	★
151	Educate developers on meeting the requirements for canopy trees or equivalent specified in Clause 55.07-4 (Apartment Developments) of the Moonee Valley Planning Scheme	Ongoing	\$	16.3.2	
152	Promote awareness of climate risks, including health impacts, and the need for preparation, response and recovery	Ongoing	\$	16.3.2	
153	Build climate resilience within the community by partnering with local organisations	Ongoing	\$	16.3.2	
154	Communicate with the community about climate adaptation	Ongoing	\$	16.3.2	★

KEY

★ MV2040 IMPLEMENTATION INITIATIVE | ★ RECOVERY ITEM

\$ (UP TO \$1M) | \$\$ (\$1M-\$5M)

Moonee Valley Language Line

العربية	Arabic	9280 0738	Ελληνικά	Greek	9280 0741	Español	Spanish	9280 0744
廣東話	Cantonese	9280 0739	Italiano	Italian	9280 0742	Türkçe	Turkish	9280 0745
Hrvatski	Croatian	9280 0740	Somali	Somali	9280 0743	Viêt-ngu	Vietnamese	9280 0746

All other languages 9280 0747

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