

Act and Adapt 2018–22 Actions, Indicators and Targets Review

March 2023



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Act and Adapt 2018-22 Actions, Indicators and Targets Review

Where are we at?

The Act and Adapt, Sustainable Environment Strategy 2018-28, was adopted on 20 June 2018. In order to keep this 10-year strategy current and responding to the needs of Council and our community it has undergone a review.

A lot has changed in the world since we first released Act and Adapt.

In 2019, the City of Port Phillip declared a climate emergency – joining hundreds of other local councils all over Melbourne, Australia and around the world. That year was Australia’s hottest and driest on record, and we experienced the largest wildfire ever recorded beginning in spring and burning down the east coast through the summer. Australia’s extreme weather didn’t stop there, and has since flipped from dry to wet, with three years of flooding rains affecting all parts of the country.

At the beginning of 2020 the COVID-19 pandemic drastically changed our lives. The changes sparked by the pandemic have been long-lasting and far-reaching. Increased demand for green spaces, decreased use of public transport, the complex transformation of the economy and differences in how we work and shop, all need to be reflected in policy and strategy developed by council.

Reviewing the strategy provided an understanding of how much we have achieved in the first 5 years of delivery; a brief summary is provided in Table 1.

Table 1. Target Overview

Section	Targets met	Targets not met	Unable to measure	Need more information
A Greener, Cooler, More Liveable City	2	-	-	-
A City with Lower Carbon Emission	2	2	-	-

Section	Targets met	Targets not met	Unable to measure	Need more information
A City that is Adapting and Resilient to Climate Change	N/A			
A Water Sensitive City	3	2	-	-
A Sustained Reduction in Waste	1	1	1	2

Seeing how far we have come and acknowledging the changes that have occurred since 2018, allows us to revise our actions, indicators, and targets. The result being an updated Act and Adapt where actions that have been completed have been removed, others may have changed focus from investigation to delivery, while there are also a range of new actions.

Targets and indicators were also reviewed and, in some instances, adjusted. Any changes to actions, targets and indicators have been highlighted in this review document.



Process to Review Actions, Indicators and Targets

Over the past year, we have reviewed Act and Adapt. We analysed each action – where we have made progress and where we haven't. We held workshops and undertook surveys with staff and with community partners. We have also reviewed changes inside and outside the municipality that have affected the goals we set.

We also looked at what has changed in the political, economic, social, technological, legal and environmental context to ensure we develop a contemporary and relevant strategy that considers the challenges we currently face. Lastly, we benchmarked Act and Adapt against sustainability focused strategies produced by other councils.

We used all of this information to inform changes to targets, actions and indicators. As a result of this review, we are tightening our focus to areas where City of Port Phillip can directly take action, while ensuring we measure our performance clearly. We aim to delineate between the actions within our control and those where progress within our City is influenced by external factors, such as policy at other levels of government. To this end, we have refined some actions and simplified the way we measure our progress, under either Council indicators or community indicators.

Benchmarking

A Benchmarking assessment was conducted to determine how our strategy is performing in relation to our industry peers. By comparing key business processes, practices, and strategies with our contemporaries we can gain an understanding of whether our performance in a particular area is in line with current industry practices and standards. In this case we are able to determine what the appetite for climate action is at organisations similar to our own and make judgments on any gaps within the Act and Adapt strategy.

PESTLE analysis

Consultants were engaged to conduct a political, economic, social, technical, legal, and environmental (PESTLE) assessment. This allows us to understand the contextual changes that have occurred since the inception of Act and Adapt in 2018, and the material impact that these changes could have on the implementation of the Strategy.

The PESTLE analysis identified changes including:

- Greater State and Federal leadership focus (Climate Change Act 2022 - emissions reduction target of 43% from 2005 levels by 2030 and net zero emissions by 2050).
- Gas substitution road map adopted by the State.
- New planning reforms with changes to the National Construction Code and Council's
- Elevating Targets planning scheme amendment.
- Greater awareness in the community of climate change impacts.
- Insurance policy increases for those most at risk of impacts of climate change.
- Cost of living pressures have increased.

- Lifestyle changes, largely influenced by COVID pandemic.
- Community battery and electric vehicle accessibility.

Comment was also provided on the actions and associated indicators and targets within Act and Adapt; on whether they should be maintained or updated to reflect the findings of the PESTLE assessment. Additionally, potential new actions for an updated Strategy were suggested by the consultancy who undertook the review.

Workshops and Surveys

- Internal engagement was through workshops to the leadership teams of each Division, a group of subject matter experts and an all-staff survey.
- The leadership teams and officers from various departments across Council were involved in progress and idea generation workshops. The engagement aimed to determine Council employee engagement with the strategy, identify successes to date, challenges and opportunities to address, and action ideas for the future.
- External stakeholders and community members were involved in focus groups.

Following the internal and external engagement and reviews, new and updated actions, indicators, and targets were proposed based on all the gathered data. Consideration was then given to what Council has the ability to control, and what is measurable, achievable, and relevant.

Broader community engagement will be undertaken following the completion of the draft Act and Adapt 2023-2028. Additional changes to the actions, indicators and targets may result from this community engagement that are not reflected in this document.

Initiatives

During this review process an assessment of progress on actions within Act and Adapt was undertaken. In the Draft Act and Adapt 2023-2028 actions have been renamed initiatives and amended to reflect a revised scope or change in strategic direction (30), removed due to completion of inclusion in another action (15) retained as is (4) and there are also new initiatives to be completed during the remaining life of the Strategy (10).

Details of the proposed changes to any initiatives are presented in the table below. Note that changes to initiatives will not be confirmed until documents have been finalised.

Table 2. Changes to Initiatives

Previous Action	Progress	New/amended wording	Summary of change
A water sensitive city			
Develop a Water Sensitive City Plan to drive an integrated approach to water management.	100% Complete	-	Removed
Reduce water use by renewing irrigation infrastructure and improving controls and management while maintaining highly valued green spaces.	50% Embedded 50% Need future direction	Investigate existing, new and emerging technologies and approaches to help Council use water more efficiently, including efficient and effective irrigation.	Revised scope
Investigate mechanisms to require onsite stormwater detention in new developments, and technology to monitor tank levels and empty prior to storm events.	100% Embedded	Define onsite stormwater detention requirements based on the work undertaken in 2021/22. This work should include clear technical guidance and assessment criteria for development applications.	Revised scope
Investigate and implement high value opportunities for stormwater	100% Embedded	Continue to investigate stormwater harvesting opportunities with a positive benefit-cost	Revised scope

Previous Action	Progress	New/amended wording	Summary of change
harvesting to provide alternatives to potable water use for key Council open spaces.		analysis and implement where opportunities are feasible	
-		Support the Victorian Government's Target 150 Campaign through our existing community engagement and communication programs.	New
Support plans for recycled water processing at Fisherman's Bend, with water being used by residents and for irrigation of Council reserves.	100% Embedded	Work with others to establish and document the governance structure of smart rainwater tanks. Continue developing blue-green infrastructure and flood-resilient solutions for precincts with internal and external stakeholders	Revised scope
Support plans for recycled water processing at Fisherman's Bend, with water being used by residents and for irrigation of Council reserves.	100% Embedded	South East Water has proposed a recycled water plant in Fishermans Bend. Council, will investigate, and deliver, where feasible, the infrastructure required to irrigate using recycled water.	Revised scope
Implement the Elster Creek Action Plan	100% In progress	-	Removed due to embedding
Develop and implement a Stormwater Asset Management Plan and invest in drainage improvements.	100% In progress	Develop a long-term strategic asset plan to manage stormwater infrastructure, including new or proposed assets, and renew and maintain existing assets.	Revised scope
Plan and deliver Water Sensitive Urban Design projects to reduce the amount of	100% In progress	Continue delivering and maintaining water-sensitive urban design projects designed to capture pollutants before	Revised scope

Previous Action	Progress	New/amended wording	Summary of change
pollution entering Port Phillip Bay.		running into waterways and the bay. Audit and inspections of WSUD assets to ensure they function as intended.	
Complete a study of permeability potential for Council land and introduce place-based permeability targets Embed these standards into our maintenance and construction programs.	100% Complete	Develop methods and tools to quantify permeability easily. Use mapping and analysis to understand potential future changes in permeability across the municipality. Implementing permeability initiatives such as de-paving, increasing green space and building green infrastructure.	Revised scope
Update Council policy and engage with the community to achieve greater permeability on private property.	100% Not yet delivered	-	Removed - Incorporated into Urban Forest Strategy Process
A greener, cooler, more liveable city			
Implement the Greening Port Phillip Strategy and Street Tree Planting Program, including ongoing investment in species diversification, park trees, streetscape improvements and a stronger focus on enhancing biodiversity by planting indigenous and climate tolerant species.	75% Embedded 25% Not yet delivered	Develop and deliver a new Urban Forest Strategy to include additional actions identified in the public space strategy and other core strategies.	Revised scope to align with strategy development

Previous Action	Progress	New/amended wording	Summary of change
Implement the Foreshore and Hinterland Vegetation Management Plan.	50% Embedded 50% Not yet delivered	Develop and implement guidelines and plans supporting the implementation of the Urban Forest Strategy, including a new Foreshore and Hinterland Vegetation Management Plan, a street tree planting program, and a land acquisition policy to increase public space within the municipality.	Revised scope to align with strategy development
Develop a Biodiversity Study and Action Plan.	100% complete	Incorporate biodiversity study findings into the Urban Forest Strategy and implement initiatives to support biodiversity in the municipality.	Revised scope
Maintain heat mapping and solar analysis data. Use data, along with Socio-Economic Index for Areas and flood data to guide project and service delivery Communicate information to the community through a web-based platform.	67% Complete 33% In progress	Use Victorian Government heat mapping data and demographic information to inform project and service delivery, including the design of public spaces, asset management, community and staff safety, and drinking water fountains around the municipality.	Revised scope
Deliver technical guidance and implement regulatory interventions to protect vegetation and increase canopy cover on private property, including green roofs, walls and facades.	50% Not yet delivered 50% Need future direction	Deliver technical guidance and implement regulatory interventions to protect vegetation and increase canopy cover on private property, including green roofs, walls and facades.	No change

Previous Action	Progress	New/amended wording	Summary of change
Encourage and enforce sustainable, climate resilient buildings through the planning process by applying environmentally sustainable design planning policy guidelines and by providing clear, accessible information to the community.	25% Embedded 25% In progress 25% Not yet delivered 25% Need future direction	-	Removed
A city with lower greenhouse gas emissions			
Deliver behaviour change and education programs through the Sustainable City Community Action Plan (SCCAP) and support environmental education programs in schools.	67% Embedded 33% Complete	-	Included in another action
Review Council services to identify opportunities to reduce carbon emissions and implement changes.	100% In progress	<ul style="list-style-type: none"> Introduce a system and process to collect, store and use sustainability data to ensure informed decision making. Review Council services to understand supply chain emissions (including measuring our scope 3 emissions). Identify opportunities to reduce supply chain emissions and incorporate changes. 	Revised scope
Reduce energy use in Council buildings by investing in renewable energy,	20% Embedded 18% In progress	<ul style="list-style-type: none"> Undertake an environmental performance audit and reduce energy use in 	Revised scope

Previous Action	Progress	New/amended wording	Summary of change
energy efficiency in Council buildings and changing our behaviour.	58% Not yet delivered 4% Not to be delivered	<p>key Council buildings by investing in renewable energy and energy efficient initiatives and changing our behaviour in a targeted way.</p> <ul style="list-style-type: none"> • Progressively electrify existing Council buildings where feasible. • New assets are to be built with no gas connections (with minimal exceptions where needed for commercial cooking). • Introduce minimum sustainability performance standards for key asset classes, such as drains, footpaths, buildings and open space. • Measure and make efforts to reduce embodied carbon in our buildings and assets. 	
Increase the sustainability of South Melbourne Market by installing renewable energy.	100% Complete	Implement the South Melbourne Market Sustainability Strategy, focusing on reducing waste, transitioning towards zero-carbon operations and reducing water use and impact on waterways.	Revised scope
Embed sustainability into Council's procurement and investment policies and practices,	25% Embedded 50% In progress	-	Included in another action

Previous Action	Progress	New/amended wording	Summary of change
including minimum sustainability performance requirements for suppliers.	25% Need future direction		
Introduce green lease provisions targeting tenant energy consumption, cleaning and waste management into new and renewed leases of Council buildings.	17% In progress 50% Not yet delivered 33% Need future direction	Enhance green lease provisions and tenant engagement to drive and report on emissions reduction and improved waste management. Focus on large commercial leaseholders.	Revised scope
Transition the Council fleet to zero emissions, prioritising electric vehicles and charging stations, traditional and electric bikes, car share and low emissions vehicles.	50% Embedded 50% In progress	Undertake a review of the fleet with specialist advice to identify cost effective options to accelerate emissions reductions which could include electrification, transition away from diesel, and extending the life of existing vehicles. Transition to a zero emissions fleet by 2033 subject to appropriate alternatives for heavy fleet becoming available.	Revised scope
Where viable, progressively convert Council buildings to fully electric power through maintenance and renewal programs.	100% In progress	-	Included in another action
Deliver an energy efficient street	100% Embedded	Continue to deliver existing commitment to an energy efficient street	No change

Previous Action	Progress	New/amended wording	Summary of change
lighting upgrade (category V lights).		<p>lighting upgrade of 1500 lights for major roads.</p> <p>Develop a business case to identify and prioritise additional street lighting upgrade opportunities.</p> <p>Reduce greenhouse emissions by replacing old streetlights with more efficient LEDs (Light Emitting Diodes) as identified in the business case.</p>	
-	-	Develop a carbon offset policy to guide Council's purchase of offsets to achieve carbon neutrality, including exploring regional opportunities for carbon offsets.	New
Contribute to the EcoCentre redevelopment (subject to external funding). Continue to invest in EcoCentre programs that support an environmentally aware community.	100% complete	<p>Lead the Port Phillip EcoCentre redevelopment and invest in EcoCentre programs that support an environmentally aware community.</p> <p>Promote the redeveloped EcoCentre as a hub for community-led action, empowering youth, schools, residents and visitors to address climate change impacts by connecting with the local environment.</p>	Revised scope
-	-	<p>Expand delivery of sustainability programs for community benefit.</p> <p>Understand community needs and barriers to renewable energy uptake and deliver a program to</p>	New

Previous Action	Progress	New/amended wording	Summary of change
		<p>support community renewable energy uptake.</p> <p>Target communications and resources to help key audiences reduce their carbon emissions and prepare and adapt to the impacts of climate change.</p> <p>Provide support to the community to enhance transition away from the use of fossil fuels such as gas.</p>	
-	-	Support top commercial and industrial greenhouse gas emitters in their emission reduction initiatives and small-to-medium sized businesses to reduce their emissions with access to programs, rebates and incentives.	New
Work with partners to drive the uptake of Environmental Upgrade Agreements for commercial and (legislation pending) residential buildings (SCCAP).	100% In progress	Work with partners to drive the uptake of Environmental Upgrade Agreements for commercial and residential buildings (legislation pending).	No change
Deliver a program that supports households, particularly those on a low income, to invest in sustainability retrofits, solar panels and pay back their investment through an alternative financing	<p>25% Complete</p> <p>17% Not yet delivered</p> <p>41% Need future direction</p> <p>17% Not to be delivered</p>	<p>Seek partnerships to drive sustainable solutions for apartment buildings, including supporting Owners Corporations to undertake sustainability retrofits and giving residents access to renewable electricity and energy-sharing platforms.</p> <p>Provide support to the community to enhance</p>	Revised scope

Previous Action	Progress	New/amended wording	Summary of change
arrangement (SCCAP).		<p>transition to move away from the use of fossil fuels such as gas.</p> <p>Advocate to the Victorian and Australian Governments for funding and support mechanisms that support residents on low income and rental households to invest in solar and sustainability retrofits through alternative financing arrangements.</p>	
Work with the community to determine the viability of a collective purchase of offsite renewable energy for a consortium of apartment buildings (SCCAP).	<p>17% Complete</p> <p>33% In progress</p> <p>33% Need future direction</p> <p>17% Not yet delivered</p>	-	Included in another action
Seek a partnership to test and increase uptake of solar retrofit and energy sharing platforms for apartment buildings (SCCAP).	<p>50% Need future direction</p> <p>50% Not yet delivered</p>	-	Included in another action
Advocate to developers for buildings designed to achieve low energy properties and precincts above Victorian planning policy regulations Advocate to the Fisherman's Bend Taskforce and Victorian Government for planning policy regulation to support	<p>75% Complete</p> <p>25% Not yet delivered</p>	<p>Encourage and enforce sustainable, climate-resilient buildings by applying ESD planning policy guidelines and providing clear, accessible information to the community.</p> <p>Advocate to developers to achieve climate positive buildings, properties and precincts, which are fossil fuel free, highly efficient, powered by renewables</p>	Revised scope

Previous Action	Progress	New/amended wording	Summary of change
their commitment to an accredited Greenstar Community in Fisherman's Bend.		<p>and built with lower upfront emissions.</p> <p>Update our Sustainable Design Strategy to highlight the minimum standards for new buildings and tenants in rented buildings.</p> <p>Advocate to the Fishermans Bend Taskforce and Victorian Government for planning policy regulation to support their commitment to a certified Green Star community in Fishermans Bend.</p>	
-	-	Work with partners to identify feasible locations for neighbourhood batteries and engage and empower local communities to benefit from alternate energy storage.	New
-	-	Build and maintain a library sustainability hub which provides community with books, interactive displays, lending of sustainability and gardening tools and devices and a seed library.	
Support the community to increase the sustainability of their homes during the planning and design phases.	100% Embedded	-	Removed

Previous Action	Progress	New/amended wording	Summary of change
Support the uptake of electric vehicles, including installation of public charging stations and investigation of planning controls to require charging infrastructure in new developments.	50% In progress 50% Need future direction	Support the uptake of electric vehicles through facilitating installation of public charging stations, private charging infrastructure and removing barriers to charging infrastructure in new developments and existing buildings.	Revised scope
-	-	Implement initiatives in Move, Connect, Live: Integrated Transport Strategy 2018-28 to support sustainable transport, including walking, cycling, public transport, car-share and new alternative forms of transportation.	New

A city that is adapting and resilient to climate change

Create a revised Climate Adaptation and Greenhouse Plan in order to identify which tools will help the community increase their resilience to climate change, including managing the impact of heat and extreme weather.	100% complete	<ul style="list-style-type: none"> Assess opportunities to support community resilience to climate change impacts. Establish partnerships to improve opportunities for community resilience and adaptation. Community resilience plans 	Revised scope
-	-	Develop a cool spaces strategy with community health and emergency services providers that will identify and create safe locations for the community to access during times of extreme heat.	New

Previous Action	Progress	New/amended wording	Summary of change
-	-	Undertake a targeted campaign based on up-to-date flood modelling to ensure residents know of existing and future flood risks and understand the implications for insurance and measures to reduce impacts.	New
-	-	Build on current work to develop and collate data to understand climate impacts on the community Support the community to build and implement community led plans which include actions to respond to flooding, heatwaves and other climate impacts.	New
Develop concept design of blue-green infrastructure that protects against flooding and sea level rise, and enhances the natural environment.	100% In progress.	Leverage investment and designate Fisherman's Bend as an innovation precinct for Council to design, deliver, monitor, and scale-up successful localised adaptation measures.	Revised scope
Examine the effectiveness of establishing a Port Phillip Energy Foundation or partnering with an existing foundation to undertake advocacy, research, advisory and community engagement initiatives.	100% Complete.	-	Removed
Conduct vulnerability assessments and financial risk modelling of	6% Complete. 22% In progress.	Assess climate change risks to Council	Revised scope

Previous Action	Progress	New/amended wording	Summary of change
Council's assets and develop minimum environmental performance standards and design guidelines for Council buildings Embed these standards into our maintenance and construction programs.	72% Not yet delivered.	operations, assets, finances and services.	
Assess recommendations from the state-led Coastal Hazard Vulnerability Assessment and develop an implementation strategy and action plan to help protect the City of Port Philip against sea level rise and inundation.	25% Complete 50% In progress 25% Not yet delivered	Assess recommendations from the Victorian Government's Coastal Hazard Vulnerability Assessment. Develop a Coastal Adaptation Plan to build the municipality's resilience against sea level rise and inundation.	No change
-	-	Continue maintenance of drainage assets to ensure they operate effectively.	New
Develop concept design of blue-green infrastructure that protects against flooding and sea level rise, and enhances the natural environment.	100% Complete	Explore partnerships to deliver infrastructure and design approaches to protect against flooding and sea level rise.	Revised scope
Investigate alternative funding models for environmental initiatives to deliver priority projects.	50% Complete 50% Need future direction	-	Removed

Previous Action	Progress	New/amended wording	Summary of change
-	-	Update our Flood Preparedness Emergency Management Plan to improve our emergency response.	New
A sustained reduction in waste			
Implement a new Waste Management Strategy that will deliver: <ul style="list-style-type: none"> • a City that reduces waste • a City that maximises reuse and recycling • a City with clean streets, public spaces and foreshore areas • a City that uses new technology to process waste better and reduce environmental impacts. 	50% In progress 25% Needs future direction 25% Not to be delivered	Implement the new Don't Waste It! Waste Management Strategy, with five priority areas: food organics and garden organics, separated glass recycling, mixed recycling, garbage, and public place waste.	Revised scope to reflect strategic direction
We will set guidelines for developers to make sure it's possible for people who live in apartments to recycle. Guidelines for apartments and implement education programs to maximise reuse and recycling.	100% Embedded	-	Removed

Previous Action	Progress	New/amended wording	Summary of change
We will partner and explore the feasibility of a sustainability hub to better address our future waste and recycling need, including: <ul style="list-style-type: none"> • supplying recycled water to public spaces • access to Advanced Waste Treatment • providing Community access to better waste drop-off facilities • a new shared depot and service facility • community education, training spaces and sporting facilities. 	100% Embedded	-	Removed
We will educate and support residents, businesses and Council staff to have good recycling habits, recycling more and ensuring recycled waste is not contaminated.	50% Complete 50% Not yet delivered	Explore opportunities to support business waste management needs and reduce waste to landfill through existing sustainability education and awareness programs.	Revised scope to reflect strategic direction
We will trial community composting and other communal food recycling opportunities for commercial premises	50% Complete 50% Need future direction	-	Removed
We will make sure Council's waste contracts maximise recycling.	50% Embedded 50% In progress	Introduce systems and behavior change programs to increase the diversion of waste generated in	Revised scope to reflect strategic direction

Previous Action	Progress	New/amended wording	Summary of change
		Council's buildings from landfill.	
We will make sure Council purchasing practices prioritise the use of recycled and recyclable products.	50% Embedded 50% Need future direction	Seek opportunities to integrate new waste to resource streams into Council's infrastructure projects.	Revised scope to reflect strategic direction
We will promote a reduction of single use plastics (e.g. plastic bags and coffee cups)	50% Not yet delivered 50% Need future direction	Support community initiatives for local food growing and sharing, resource efficiency, and reuse through existing sustainability education and awareness programs.	Revised scope to reflect strategic direction

Changes to Indicators and Targets

The review process identified a number of changes to targets and indicators. These proposed changes are detailed in Table 3.

Table 3. Changes to Indicators and Targets

A water sensitive city				
Council Indicators				
Indicator	Baseline 2016/17	Previous Target (2028)	New Target (2028)	Reason for change
Council's mains water use for irrigation	169 ML/y	NA	97 ML/y 43% reduction	This change to indicator and target allows us to focus on reducing our reliance on mains water. Irrigation is the highest portion of potable water usage and is easiest asset class to transfer to alternative sources.

Council's potable water use	238 ML/y	203 ML/y	No Target	Change to indicator only. Indicator measured to support achievement of mains water use for irrigation target
Total Nitrogen (TN)	15,009 kg/y	15% reduction	12,669 kg/y 16% reduction	The modelling has been updated. The new target number reflects the new modelling.
Total Suspended Solids (TSS)	717,035 kg/y	27% reduction	590,125 kg/y 18% reduction	The modelling has been updated. The new target number reflects the new modelling.
Total Phosphorus (TP)	1,880 kg/y	20% reduction	1,599 kg/y 15% reduction	The modelling has been updated. The new target number reflects the new modelling.
Community Indicator				
Indicator	Baseline 2016/17	Previous Target (2028)	Advocacy Position 2028	Reason for change
Potable water use	178 L/p/day	155 L/p/day	150 L/p/day	150L/p/d is in line with the new State Government community water use target.
A greener, cooler, more liveable city				
Council Indicators				
Indicator	Baseline 2016/17	Previous Target (2028)	New Target (2028)	Reason for change
Street canopy cover	19%	10% increase on baseline (20.9%)	10% increase on baseline (20.9%)	Targets have been retained from 2017.
Community Indicator				
Indicator	Baseline 2016/17	Previous Target (2028)	New Target (2028)	Reason for change

Percentage of private land canopy cover	11%	10% increase on baseline (12.1%)	10% increase on baseline (12.1%)	Targets have been retained from 2017.
A city with lower greenhouse gas emissions				
Council Indicators				
Indicator	Baseline 2016/17	Previous Target (2028)	New Target (2028)	Reason for change
Gross Greenhouse gas emissions from council operations	10,954 tCO ₂ -e	520 tCO ₂ -e	37% reduction (6,918 tCO ₂ -e)	Methodology to set previous target was incorrect.
Net Greenhouse gas emissions from council operations	6,464 tCO ₂ -e	Zero net	Zero net	Target has been maintained.
Percentage council electricity use from renewable sources	293kWH	100%	100%	Target has been maintained.
Energy consumption in council buildings and streetlights	8,900 MWh	7,300 MWh	No Target	Changed to indicator only. Indicator measured to support achievement of gross GHG emissions target).
Community Indicators				
Indicator	Baseline 2016/17	Previous Target (2028)	Advocacy Position	Reason for change
Greenhouse gas emissions in the municipality	1,700,000 tCO ₂ -e	Zero net by 2050	Zero net by 2045 (75-80% reduction by 2035) *Aligned with state government target, awaiting legislation.	2045 – aligns with State Government target.

Electricity use from renewable sources in the municipality	5,100kWH	29,000 kW	No Target	Changed to indicator only.
Percentage of households with solar power	Baseline 2021/22 11%	No Target	No Target	Indicator only.
Number and % private vehicles which are electric	Baseline 2021/22 0.14% (20,095 cars)	No Target	No Target	Indicator only.

A city that is adapting and resilient to climate change				
Council Indicators				
Indicator	Baseline 2021/22	Previous Target (2028)	New Target (2028)	Reason for change
% of asset management plans that include details of identified climate risks and measurable actions to increase climate resilience of the asset class.	35%	No Target	100% of Asset Management Plans	New target
By 2028, Council has fit for purpose risk management, reporting and decision-making framework in place to manage climate-related risk to service delivery, assets, and finances	No framework	No Target	100% complete	New target.
Community Indicators				
Indicator	Baseline 2016/17	Previous Target (2028)	Advocacy Position	Reason for change
Percentage of community members who have sufficient information to make informed decisions about how to protect themselves and respond in the	To be established	No Target	No Target	No advocacy position to be set as this is a lag indicator which will be measured to inform community support and programs.

event of extreme weather (heatwaves, storms, flooding)				
A sustained reduction in waste				
Council Indicators				
Indicator	Baseline 2016/17	Previous Target (2028)	New Target (2028)	Reason for change
Reduction in the garbage stream for council buildings	38%	85%	33-50% increase in waste diversion rate (50.1-56.4% diversion rate)	Target was reliant on advanced waste processing technologies being introduced by State Government. This did not happen.
Community Indicators				
Indicator	Baseline 2016/17	Previous Target (2028)	Advocacy Position 2025	Reason for change
Percentage of kerbside waste diverted from landfill	31%	85%	54-56%	Target was reliant on advanced waste processing technologies being introduced by State Government. This did not happen.