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# Wyndham City 2017-2018 State of the Environment Report

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### Acknowledgement

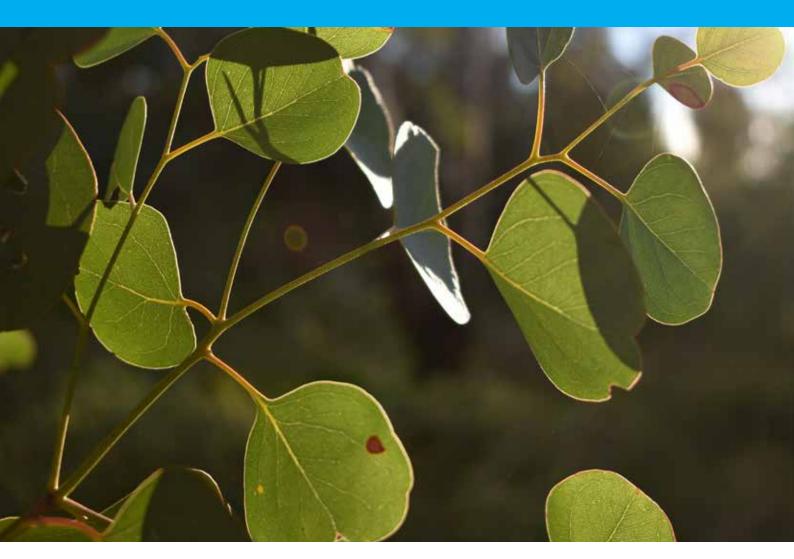
Wyndham City Council recognizes Aboriginal and Torres Strait Islander peoples as the First Custodians of the lands on which Australia was founded. Wyndham City acknowledges the Wathaurong, Woiwurrung and Boonwurrung peoples of the Kulin Nation as the Traditional Custodians of the lands on which Wyndham is being built.

For tens of thousands of years, the Werribee River has been a significant meeting place for Aboriginal people to build community, exchange resources, and share responsibility for its lands.

Wyndham City pays respect for the wisdom and diversity of past and present Elders. We share commitment to nurturing future generations of Elders in Aboriginal and Torres Strait Islander communities.



### Wyndham City Overview



This 2017-2018 State of Environment Report for Wyndham City Council provides a snapshot of Wyndham's environment. Further, it promotes Council's environmental achievements and progress towards targets set out in the Wyndham City Environment, Sustainability Strategy 2016-2040 and Wyndham's Integrated Water Cycle Management Plan.

This Report describes recent actions undertaken by Council and the community to protect and enhance the natural environment and improve sustainability in Wyndham.

The City of Wyndham is located on the south-western edge of metropolitan Melbourne. Wyndham covers an area of 542km<sup>2</sup>, features 27.4km of coastline along Port Phillip Bay, and is adjacent to the municipalities of Greater Geelong, Moorabool, Melton, Brimbank and Hobsons Bay. Wyndham is one of Melbourne's designated growth corridors and has one of the fastest growth rates in Victoria. The City of Wyndham population forecast for 2018 is 257,028, and is anticipated to grow to 489,379 by 2041. This increase in population has put strain on the natural environment of Wyndham and requires ongoing investment to keep up with demands for sustainable services like water management, waste and renewables. Wyndham is home to many significant waterways, wetlands, coastal areas and grasslands, such as the Werribee River, Skeleton Creek, the Port Phillip Bay coastline, the Truganina Cemetery remnant grassland, the Point Cook Coastal Park and the Western Treatment Plant Wetlands.

# Wyndham City Environment and Sustainability Strategy 2016-2040 - Our Environment, Our Climate, Our Future

Wyndham City's Environment and Sustainability Strategy is an active document, setting the environmental agenda for our municipality until 2040. It provides short and long term targets as we endeavour to move toward a genuinely sustainable future.

While global issues such as climate change, traffic congestion, population growth and consumption patterns will affect us, we also have the opportunity to provide local responses unique to Wyndham and to be leaders in providing sustainable outcomes.

Wyndham has significant environmental assets that feature rare flora and fauna, expansive grasslands, natural coastline, sites of international migratory importance and unique waterways and wetlands. Many of these assets are under the care of Wyndham City Council.

This State of Environment Report will provide an update on the progress towards the short-term targets and actions and has been broken up into four key themes:

- Sustainable City Progressing towards a sustainable City
- Valuing nature Conserving and improving natural values, rural areas and the urban environment
- Council leadership Guiding Council's functions and governance
- Integrated Water Management- Facilitating collaboration surrounding integrated water projects

The progress made in 2017/18 has been demonstrated with a coloured dot to show the movement towards the short-term targets. Red indicates that no progress has been made from the 2016/17 baseline, yellow shows that a small amount of progress has been made, green indicates that significant progress has been made towards achieving the target and a tick indicates that the target has been achieved.

Strategy implementation has been generally successful over the past twelve months. A summary of progress is highlighted below:

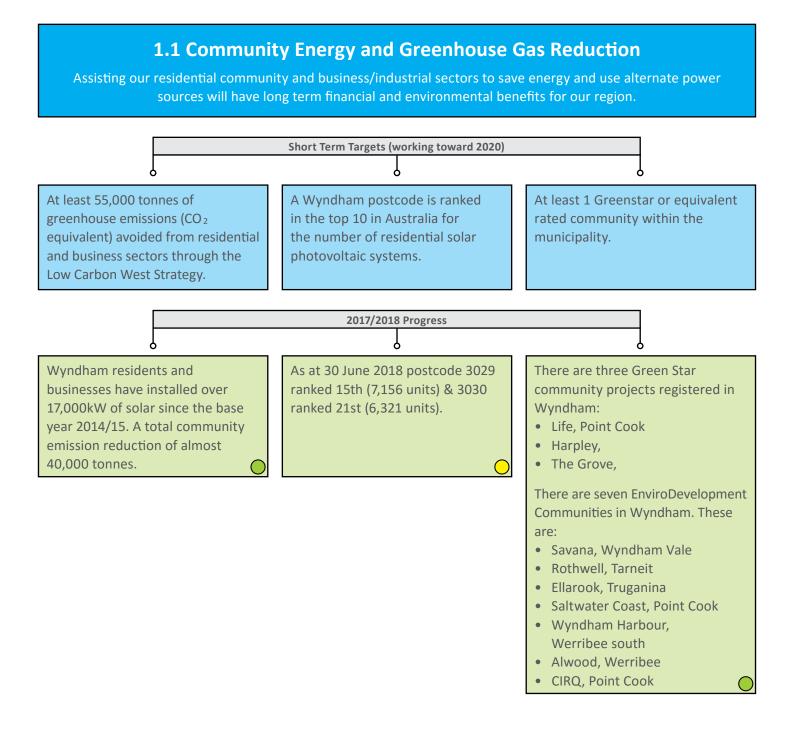
5 work not started () 27 some progress () 25 significant progress () 12 achieved ()





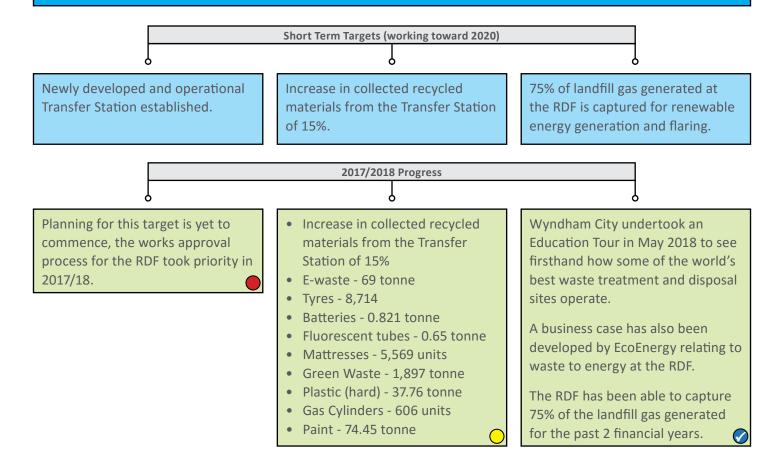
Rapid growth and urban expansion has led to a number of environmental challenges facing the City, including a forecasted rise in greenhouse gas emissions, growing congestion on road networks, increases in waste and gaps in planning for a changing climate.

In order to address these changes a collaborative approach with community, regional groups and government agencies is required. It is anticipated that collaboration will result in a range of broader benefits to Wyndham and the surrounding area.



#### 1.2 Refuse Disposal Facility (RDF)

The Werribee RDF has been declared a waste hub of state-wide significance in Victoria's State-wide Resource Recovery Infrastructure Plan. Advancements in infrastructure and technology can ensure the RDF is a best practice operation leading the way in resource recovery, job creation, renewable energy and greenhouse gas abatement.



#### **1.3 Waste and Recycling Services**

There are many benefits to diverting waste from landfill; including preservation of natural resources, reduced energy and water use and reductions in greenhouse gases. Education campaigns are required to ensure Wyndham's diverse and growing community is well informed on waste avoidance and diversion methods.



#### **1.4 Planning Controls and Growth**

An efficient way to protect Wyndham's environmental values and reduce environmental impact is by implementing effective statutory planning requirements. Strong policy and planning controls relating to environmentally sustainable design (ESD) will significantly reduce the impact of development on the broader environment.

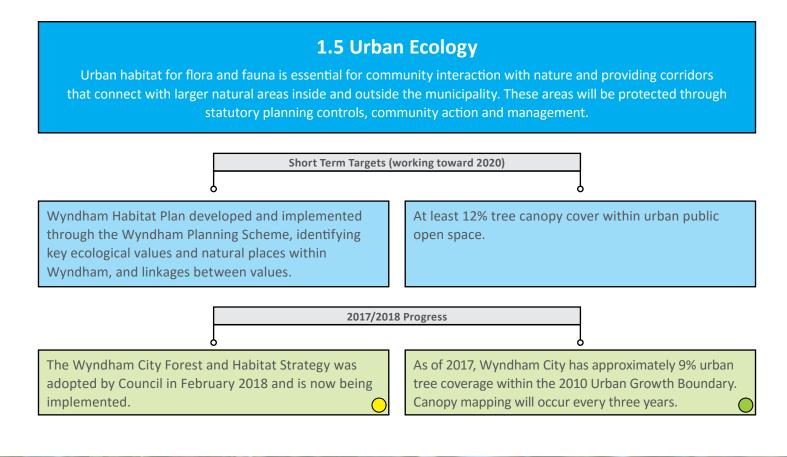
Short Term Targets (working toward 2020)

Review Environmental Significance Overlays (ESOs) to increase the area of protection for significant habitat and incorporate into the Wyndham planning scheme. Wyndham ESD policy is developed and implemented through the Wyndham planning scheme and processes.

#### 2017/2018 Progress

Areas with potential for the application of ESOs or other environmental overlays were identified in the City Forest and Habitat Strategy. Initial scoping works have begun to apply for planning scheme amendments. Wyndham City has been working with selected CASBE (Council Alliance for a Sustainable Built Environment) Councils in the development of an ESD policy including planning triggers. This policy is currently sitting with the Minister for DELWP awaiting advancement.

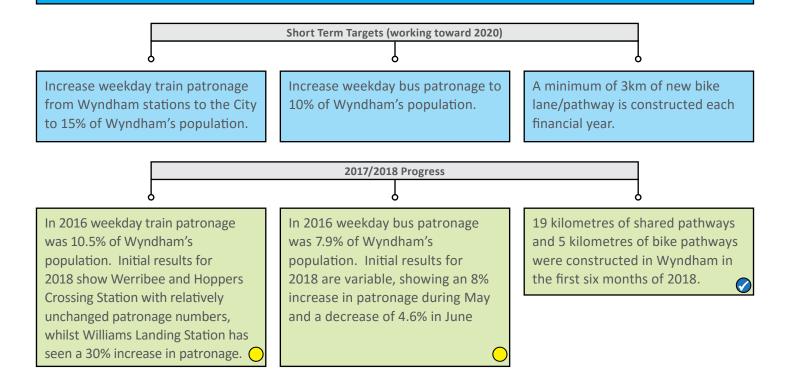
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#### 1.6 Transport

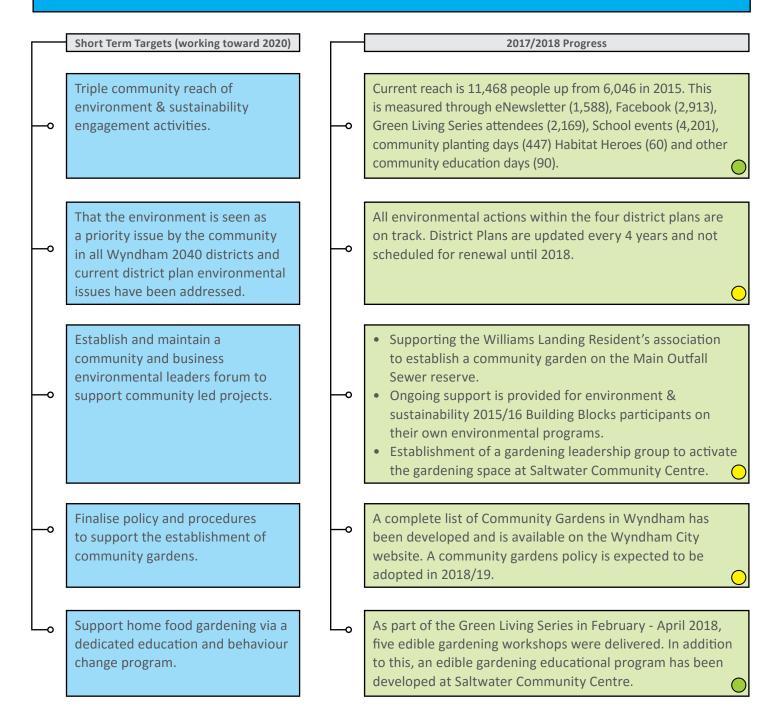
With rapid population growth and development pressures, Wyndham's road network is increasingly congested, driving the need for more sustainable transport options and alternative ways to travel across, in and out of the City.





#### **1.7 Community Engagement**

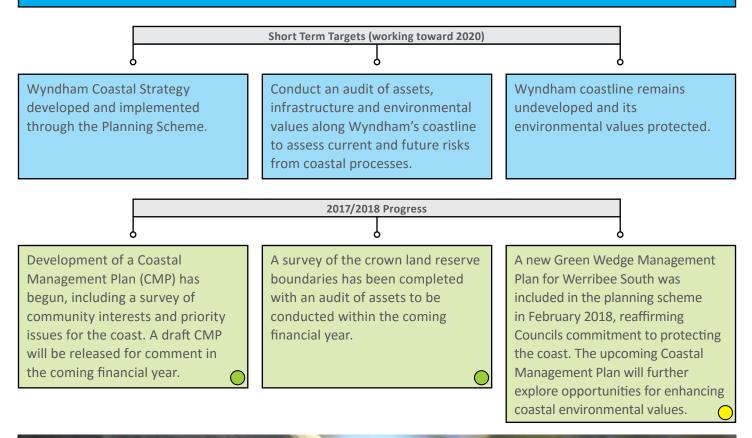
Community engagement leads to more connected neighbourhoods and districts, and a stronger sense of place. There are many benefits for having targeted and planned involvement with the community; such as building capacity and leadership, reaching 'disengaged' individuals and to instil positive behaviour change amongst the community.



Wyndham is home to a number of significant waterways, wetlands, coastal areas and native grasslands, including the Werribee River, Little River, Skeleton Creek, the coastline, Truganina Cemetery remnant grassland, Point Cook Coastal Park and Western Treatment Plant Wetlands. The security of these significant sites cannot be taken for granted as most native vegetation types they support have been cleared elsewhere and are now classified as endangered, vulnerable or depleted.

#### 2.1 Coast

Wyndham's coastline is likely to experience increasing use and visitors over the coming years. Increasing access and climate change will present varied issues, and will need to be well managed and supported to ensure the quality of coastal natural assets is maintained and enjoyed by all.







- Landholders were supplied with over 1,500
- indigenous plants for revegetation on private property1,647ha of contractor weed control and revegetation
- works were undertaken on 15 properties (increase of 407%)
- 830ha of landowner works undertaken on 34 properties.

Wyndham hosted a Weed Control Workshop and Weed Expo during 2017/18.

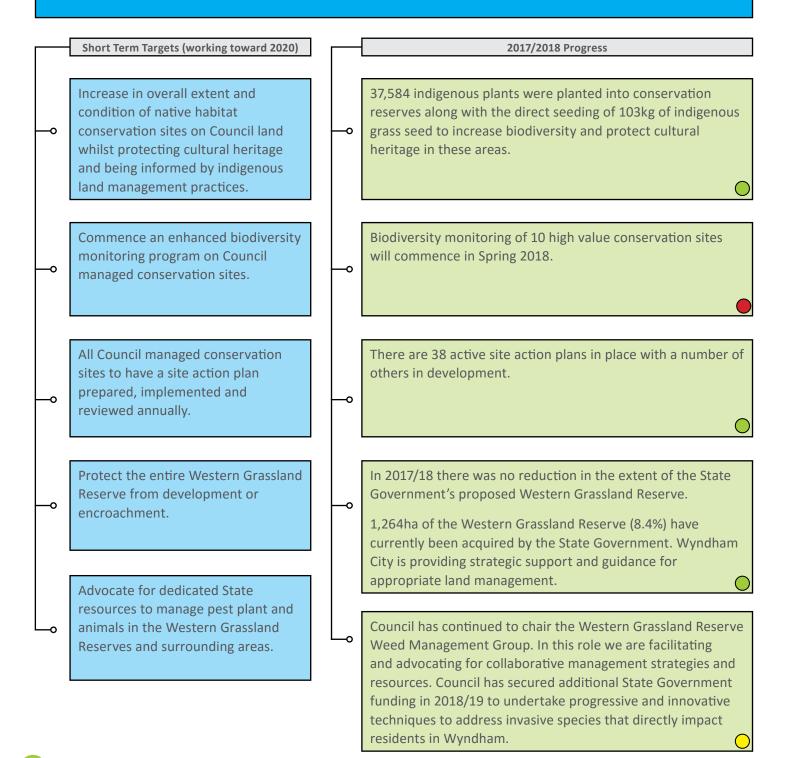
2018 has seen continued engagement and outreach through the Land Protection Grant Scheme. Review of Wyndham's Weed Management Framework driven by community and stakeholder consultation will be available as an educational tool for rural landowners.



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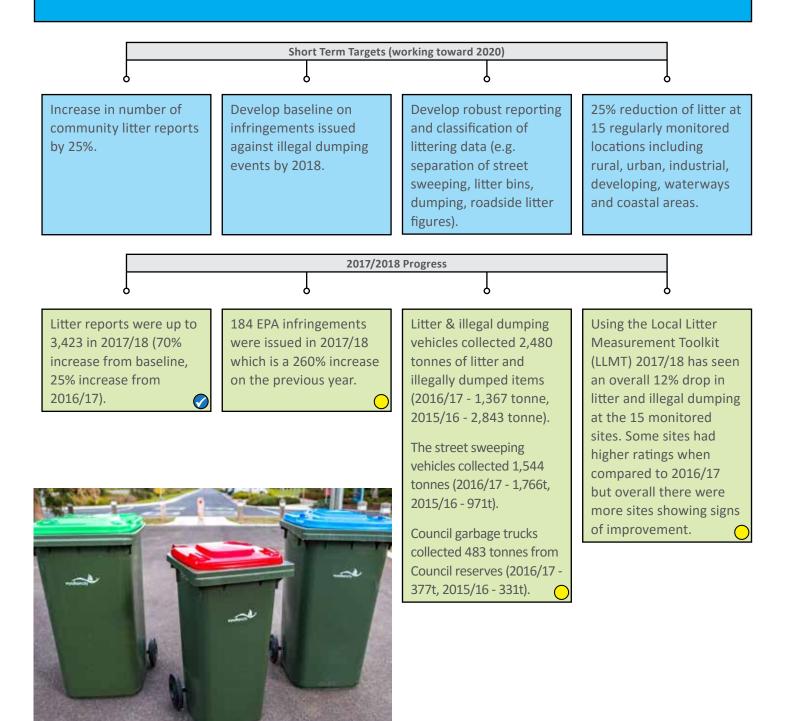
#### **2.3 Biodiversity**

Wyndham's rural land and natural areas need to be maintained, enhanced and protected as destinations of enjoyment and appreciation for the community. Showcasing the unique natural features for Wyndham will instil a sense of pride and contribute to a positive quality of life for our community.



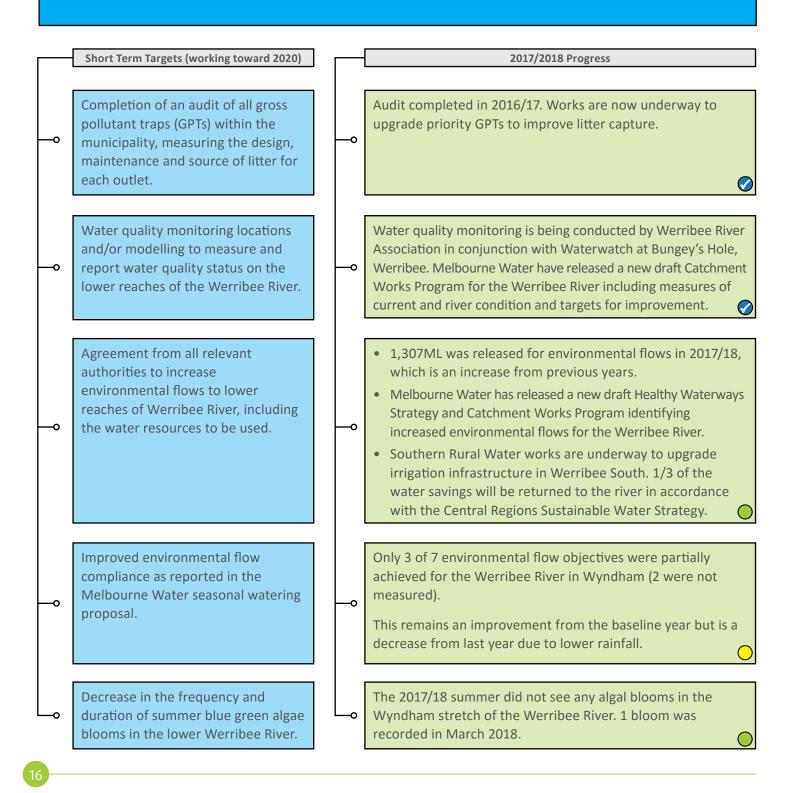
#### 2.4 Litter

Litter is Wyndham's most visible form of pollution; it is imperative that a combined approach of education, infrastructure and enforcement is utilised to tackle this issue.



#### 2.5 Waterways

Wyndham's waterways are some of our community's most valued natural areas, providing habitat for a diversity of native plants and animals, they are highly frequented places of recreation and wildlife appreciation.

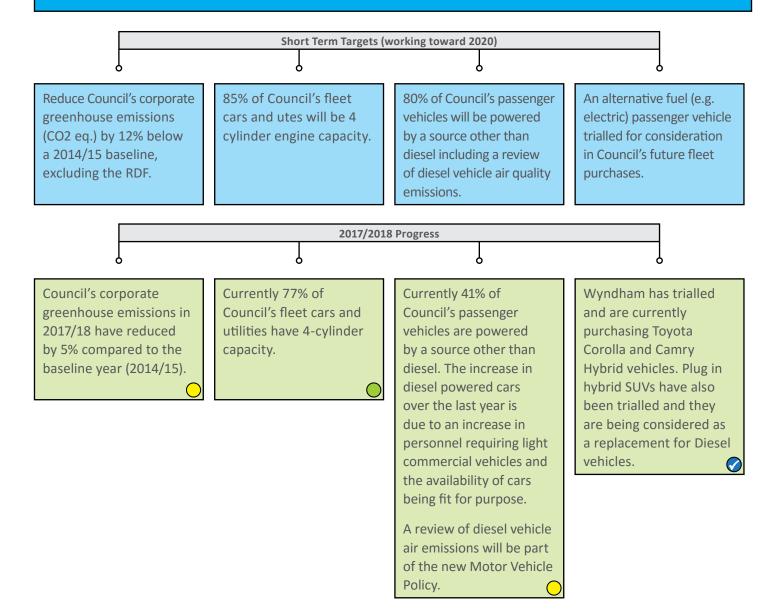


As an organisation which provides multiple and varied services including; buildings, open spaces, facilities and community events, Wyndham is in a position to role model and showcase environmental principles and practice across a broad range of functions. With residents accessing facilities and events on a regular basis, there are many opportunities to inspire and share learnings on enhancing the environmental benefits of building design and operational programs which the community can adopt and use in homes and businesses.

Further, embedding a more sustainable approach to how we operate our facilities will result in a longer life of assets and significant long term cost savings in relation to energy and water use.

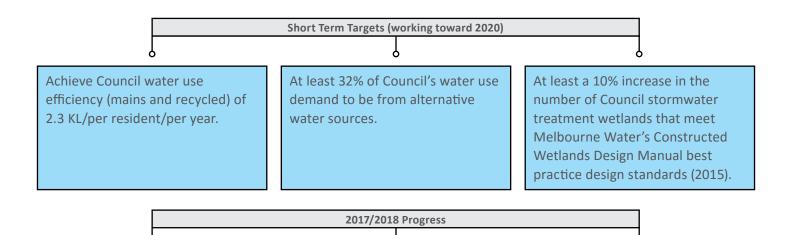
#### **3.1 Greenhouse Gas and Air Pollution Reduction**

Improving energy efficiency of Council's buildings, fleet, facilities and operations will result in long term financial savings and reduce Council's carbon footprint.



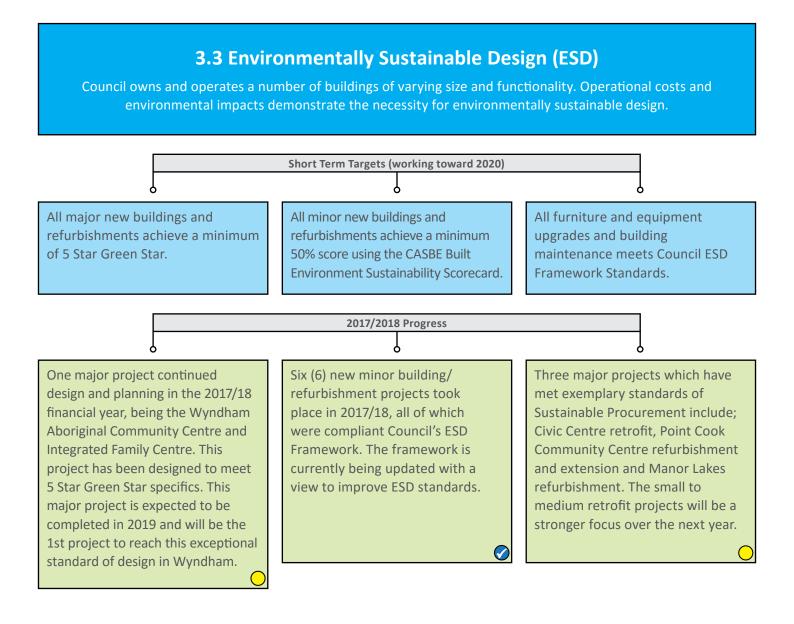
#### 3.2 Integrated Water Management

As a significant user of water and stormwater manager, Council has an important role to play in saving water and supporting healthy waterways.

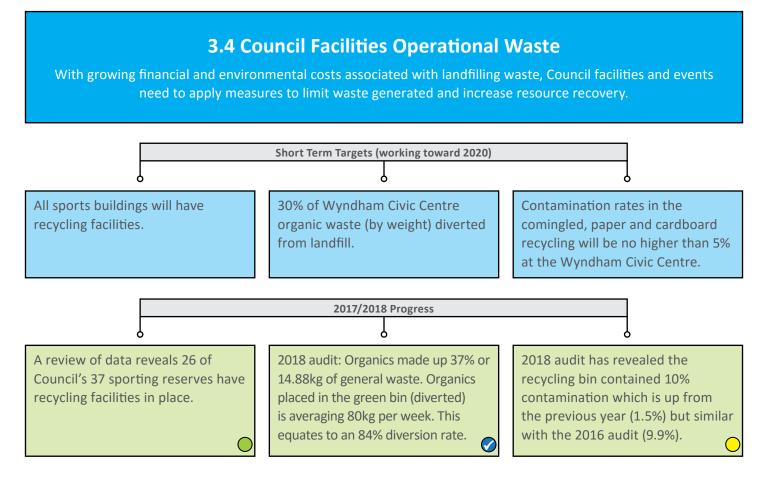


In 2017/18 Council's water use was 2.52kL/per resident which has increased compared to the 2.19 kL/per resident in 2016/17. This is largely due to the increase of Council's water use for sports field irrigation and increase use of Council buildings. Alternative water supplies contributed to 26% of Wyndham City's water demand in 2017/18. Council's overall water usage has increased by approximately 20% compared to 2016/17. This increase is due to a drier Spring in 2017 and the requirement for increased irrigation of active open spaces. An audit of 30 Council wetlands identified 66% had moderate to good water quality treatment designs. Design work is underway to upgrade the remaining 33% of wetlands to current best practice over the next 3 years.











#### **3.5 Climate Change Adaptation**

Uncertainties around climate and extreme weather events ensure we must plan, design and implement facilities, which can withstand increases in temperature, droughts, storms and flood risks. Ensuring our community is responsive to these events will contribute to future prosperity and wellbeing.

Short Term Targets (working toward 2020)

Wyndham will complete all of the actions in the Climate Change Adaptation Strategy.

2017/2018 Progress

In 2017/18 the following Climate Change Adaptation Strategy actions were completed:

- Engagement with new migrants, schools and the general community on climate change.
- Reporting on climate change indicators as part of the regional 'How Well Are We Adapting' project.

#### **3.6 Sustainable Procurement**

Reducing the environmental impact of Council's purchases by selecting environmentally sound goods and services, including locally provided products is important. As a large purchaser of goods and services (capital and operating) Council has the potential to provide a significant positive impact on supply chains.

Short Term Targets (working toward 2020)

5% of all Council procurement to meet sustainable procurement standards.

All tenders above \$500,000 to have an environmental schedule within the tender specifications that is weighted and scored during the selection process.

2017/2018 Progress

4.8% of all Council procurement met sustainable procurement standards.

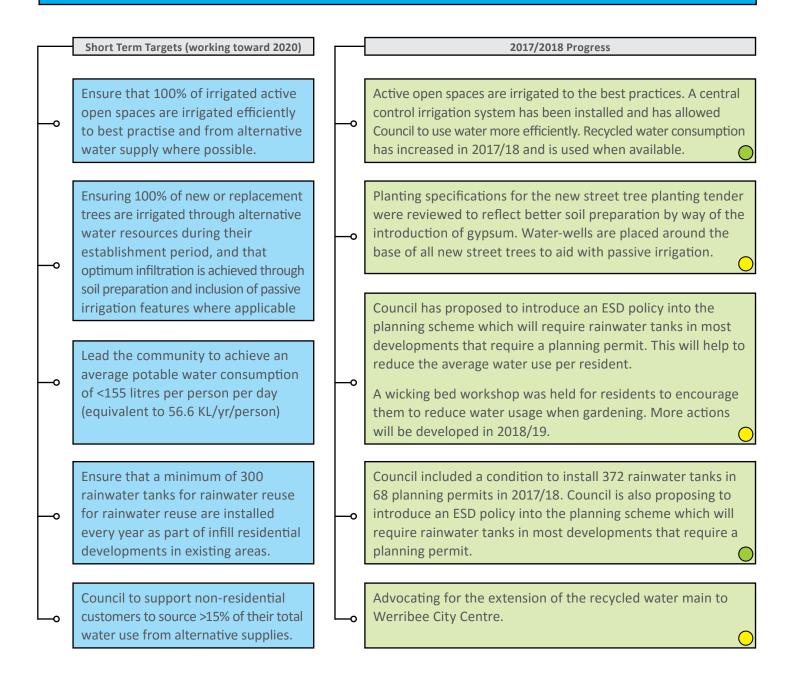
93% of tenders above \$500,000 included the environmental schedule.



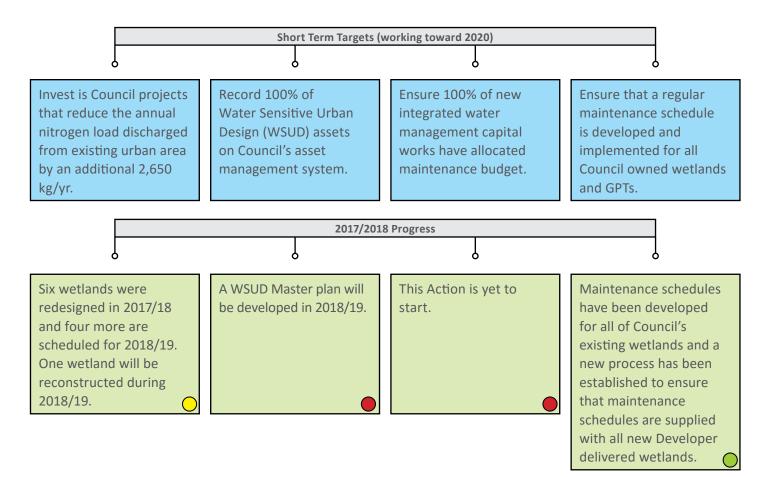
Integrated Water Cycle Management (IWCM) recognises the social, economic and environmental objectives of water in our communities and the shared responsibilities in delivering these objectives.

Traditionally, the urban water streams of potable water, wastewater, groundwater and stormwater have been managed separately to ensure a secure water supply, protection of human health, and asset protection (from floods). However, the ability of these isolated management systems to deliver on their services is increasingly being jeopardised through things such as climate variability, population growth, and growing community concern on the health of their open space areas. IWCM is a response to these threats and vulnerabilities.

#### 4.1 Create a Resilient and Liveable City

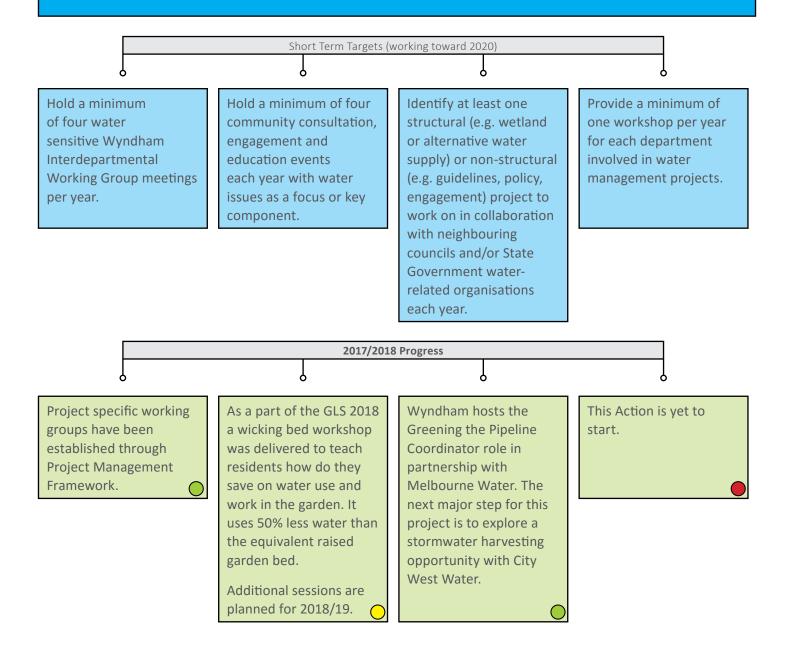


# 4.2 Improve the Health and Amenity of Waterways and Coastal Environments





#### 4.3 Improve Collaboration and Engagement With All Stakeholders



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### With thanks...

To the members of the Wyndham community for providing information for this report. Are you doing any environmental monitoring in Wyndham?

If so, we would like to hear from you!

Please contact Wyndham's Department of Environment and Water on **9742 0777** or **mail@wyndham.vic.gov.au**