

THE CITY OF GREATER GEELONG

ENVIRONMENT STRATEGY ACTION PLAN 2024-26



We Acknowledge the Wadawurrung People as the Traditional Owners of the Land, Waterways and Skies. We pay our respects to their Elders, past, present and emerging. We Acknowledge all Aboriginal and Torres Strait Islander people who are part of our Greater Geelong community today.



Barwon River, Moonah Park Barwon Heads

Cover: The Dell Eco Reef



282,809
ESTIMATED
RESIDENT
POPULATION
(2023)



2.24%
POPULATION
GROWTH RATE
(2023)



8.2 MILLION
VISITORS TO
THE REGION
(2022-23)



~22,090
BUSINESSES



1,467
HECTARES OF
PROTECTED
NATURAL HABITAT



11,639
HECTARES
OF WETLANDS



133 KM
OF COASTLINE



24,301*
TONNES (CO₂e)
COUNCIL
EMISSIONS
(2023-24)

* Emissions total inclusive of fleet, natural gas, electricity and landfill emissions.

As an organisation we are striving to lead, educate and support our community in protecting our environment.

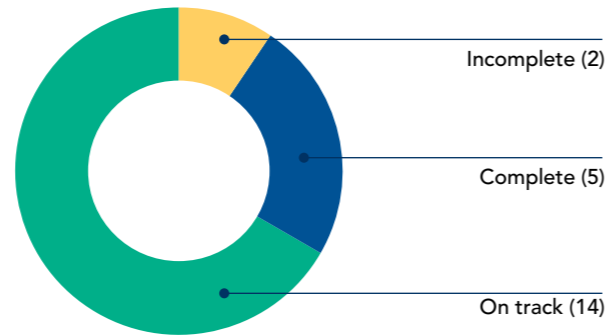
We developed the *Environment Strategy 2020-2030* to define and communicate how the City of Greater Geelong will act to protect and improve our region's environment and reduce our environmental footprint. This strategy guides our planning, decision-making and actions to focus of our efforts to improve the health of our local environment, reduce our environmental footprint and protect the lifestyle we all enjoy.

This *Environment Strategy Action Plan* has been developed to report on our progress since the adoption of the Environment Strategy, and to detail the actions we are focused on delivering in the next 2 years.

We will use our municipal reporting indicators and processes to monitor and report on our success in delivering the actions and outcomes identified in this action plan.

PROGRESS OF EXISTING ACTIONS

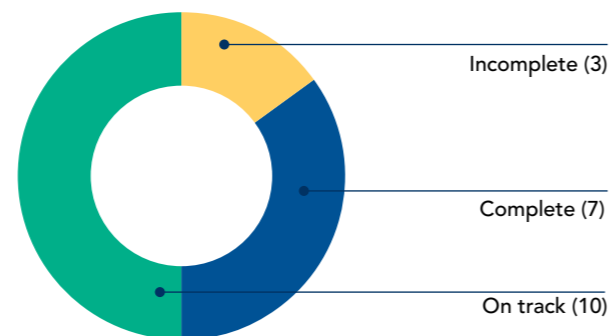
1. Climate Action



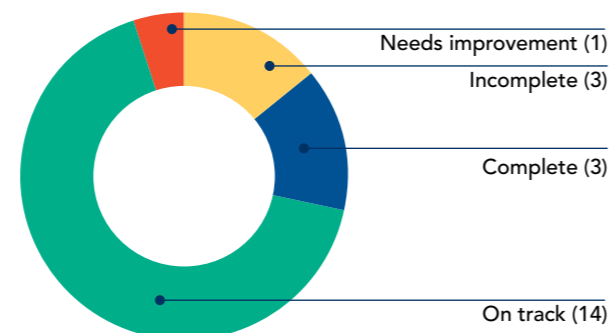
2. Greener Community Spaces



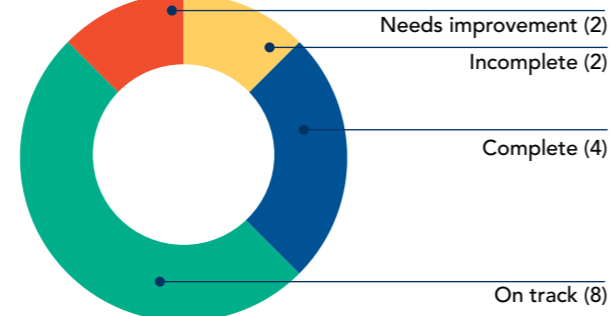
3. Circular Economy



4. Nature and Biodiversity

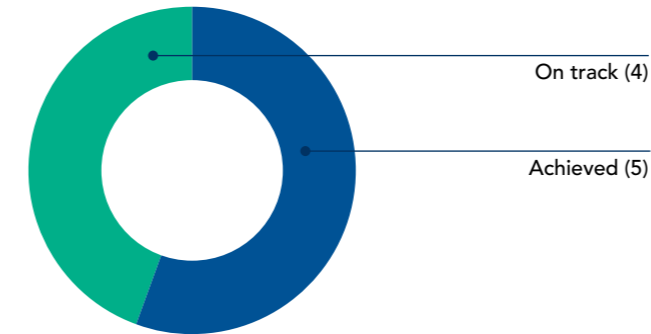


5. Integrated Water Management

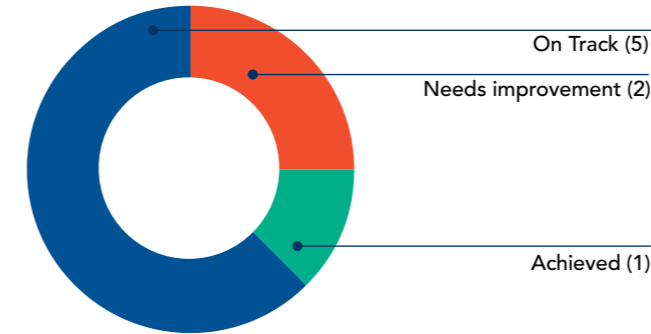


PROGRESS TOWARDS TARGETS

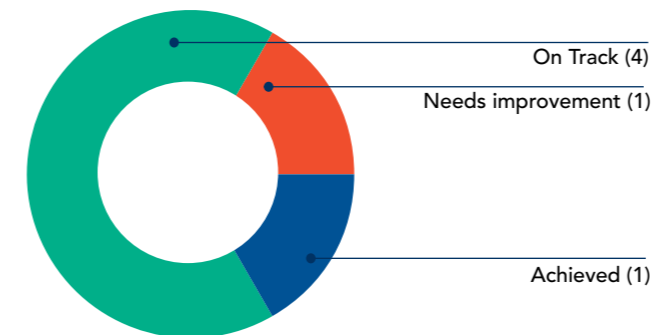
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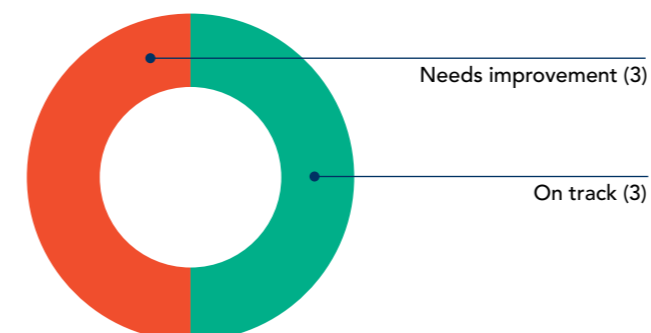
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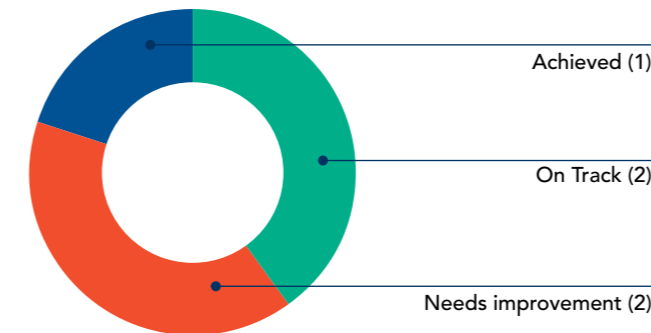
3. Circular Economy



4. Nature and Biodiversity



5. Integrated Water Management



ENVIRONMENT STRATEGY ACTIONS REVIEW 2020-23

Our previous *Environment Strategy Action Plan* included 88 individual actions spread across our five Environment Strategy goals.

Of these actions, 60% (20 of 34 actions) due by 2022-23 were complete and 94% (51 of 54 actions) of our longer-term actions were on-track for completion by the stated delivery dates.

Of the 34 targets established in the *Environment Strategy*, 76% (26 of 34 targets) have either been achieved or are on on-track to be achieved by the stated delivery dates.

We were unable to complete some actions from the previous action plan due to the impacts of the Covid pandemic and resulting changes to our operational environment and priorities. These actions have been revised and included in the new action plan. The delivery of the revised actions will support the achievement of our *Environment Strategy 2020-2030* targets.





Electric vehicle charging station

GOAL ONE

BECOME A ZERO-EMISSION, CLIMATE-READY CITY REGION

GOAL 1 - KEY OUTCOMES AND ACHIEVEMENTS 2020-24

Renewable Electricity Contract

The City was a founding member of the Victorian Energy Collaboration (VECO) which sources renewable electricity for 51 Victorian councils. This renewable electricity supply contract came into full effect from 1 July 2021. VECO is the largest ever emissions reduction project undertaken by local government in Australia and now means our buildings and facilities, including streetlights generate zero emissions.

Drysdale Landfill Gas Recovery

The City works in partnership with LMS Energy to capture methane gas from our Drysdale Landfill for use in the Drysdale Renewable Energy Facility. This facility generates approximately 8,500 MWh of renewable electricity (enough to power approximately 1,500 homes) and abates approximately 50,900 tonnes (tCO₂-eq) of greenhouse gases annually.

LED Lighting Upgrade Program

The City has upgraded 22,000 streetlights to high efficiency LED light fittings. This transition has reduced the annual electricity consumption of our streetlighting network by approximately 60%.

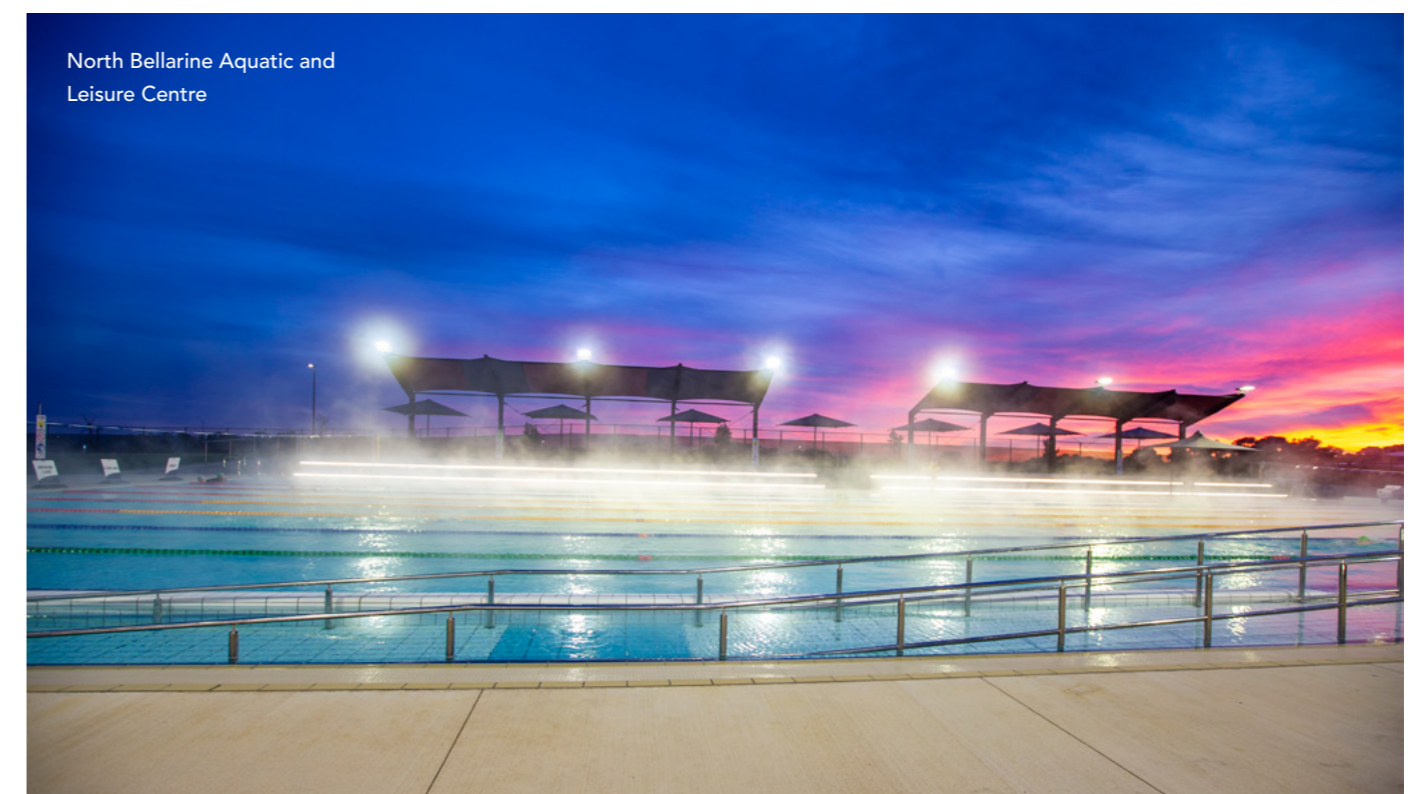
Zero Carbon Buildings Program

The City's Zero Carbon Building Program reduces the ecological and carbon footprint of our community facilities through renewable energy generation and energy efficiency improvements. Our facilities are being constructed or retrofitted with energy efficient lighting upgrades, automated building control systems and upgraded heating and cooling infrastructure to achieve maximum energy efficiencies. The new Northern Aquatic and Community Hub and North Bellarine Aquatic and Leisure Centre facilities were designed and constructed to operate using all-electric infrastructure and are powered by 100% renewable energy.

Our energy usage was down 1,226,444 kWh (cost saving of \$743,147.00) in 2023-24 following the upgrading of public lighting to high-efficiency LED light fittings

Our Corporate Emissions

Our corporate greenhouse gas emissions decreased by over 41 per cent between the 2019-20 and 2023-24 financial years.



North Bellarine Aquatic and Leisure Centre

GOAL 1 - REVISED ACTION PLAN 2024-26

Environment Strategy Principle 1.1: Increase energy efficiency and renewable energy production.

ACTION

Upgrade to energy-efficient lighting, heating and cooling systems in City owned and operated buildings and facilities and develop end-of-life replacement plans where required.

Install rooftop solar energy in City-owned and operated high-electricity-using buildings and facilities.

Continue to switch to solar and LED in street and traffic lighting.

Support business efforts to act on climate change through other forms of finance and grants.

Support business efforts to act on climate change through co-development of City funded audits to develop net zero business plans.

Incorporate Environmentally Sustainable Design (ESD) principles into the Precinct Structure Planning program for the Northern and Western Geelong Growth Areas.

DESIRED OUTCOMES

Increased energy efficiency in City-owned buildings and facilities.

Increased on-site renewable energy generation and use in City-owned buildings and facilities.

Increased number of businesses taking climate action.

Reduced environment and sustainability impacts from new urban development.

Environment Strategy Principle 1.2: Switch to renewable electricity and cleaner fuels.

ACTION

Rationalise the number of vehicles in our corporate fleet.

Increase the proportion of EVs in the light vehicle fleet.

Investigate and explore the City's role in publicly available EV charging infrastructure.

Finalise the transport infrastructure and services strategy for growth areas.

Facilitate partnerships to support our community to reduce emissions.

DESIRED OUTCOMES

Reduced emissions from City-owned and operated fleet.

Improved access to EV charging infrastructure across the municipality.

Increased usage of active and public transport infrastructure and services.

Increased number of people taking climate action.

Environment Strategy Principle 1.3: Reduce non-energy emissions and increase carbon storage.

ACTION

Capture and reuse methane gas emissions from municipal landfills to produce energy.

Incorporate estimated carbon offsets into waste levy and 2025 budget.

Work with Barwon Southwest Climate Alliance and carbon offsetting project to progress trial sites and offset reporting.

Develop a carbon offset purchasing policy to account for residual buildings and facility emissions.

DESIRED OUTCOMES

Reduced emissions from landfill.

Increased availability of accredited carbon offsets within the City of Greater Geelong municipality.

Improved ability to offset residual emissions from City-operations.

Environment Strategy Principle 1.4: Increase awareness and understanding of climate change impacts.

ACTION

Assess coastal climate change risks and impacts via the Port Phillip Bay Western Shoreline Regional and Strategic Partnership (RASP).

Update the Our Climate Actions webpage with up-to-date information on climate change impacts per quarter.

DESIRED OUTCOMES

Improved management of climate-related risks to City operations and services.

Increased awareness of climate change impacts (e.g. on human health, natural environment and built assets) and the need for mitigation and adaptation responses across our business and within the community.

Environment Strategy Principle 1.5: Build climate change adaptation into decision-making.

ACTION

Carry out hydrodynamic modelling for Point Lonsdale and update the existing LSIO2 Planning Scheme overlay.

Develop a Corio Bay Coastal & Marine Management Plan.

Investigate potential for a Bellarine Peninsula and Corio Bay Regional Adaptation Partnership (RASP).

Incorporate Environmentally Sustainable Design (ESD) principles into new urban growth areas, including zero carbon, water efficiency, sustainable transport, urban greening and climate resilience.

Require all new developments, community facilities and education centres to commit to using the relevant best practice environmental performance rating tool in planning and design.

Test at Planning Panel all new subdivisions or development of commercial or mixed-use buildings to commit to using the relevant best practice environmental rating tool in planning and design.

Review the City's Sustainable Building Policy for new and existing City-owned or managed buildings to include all-electric infrastructure and strengthened zero emission requirements.

Develop a climate change risk assessment and disclosure process for significant Council decisions that may be affected by climate risk.

Assess all new City-owned and managed building and facility applications for ESD.

Update the City's enterprise risk reporting to better identify risks and vulnerabilities and allocation of cross council responsibilities, to mitigate climate related impacts to City operations and community.

DESIRED OUTCOMES

Reduced climate-related coastal inundation risk.

Reduced environment and sustainability impacts from new urban development.

Reduced future emissions from City buildings and facilities.

Improved management of climate-related risks to City operations and services.

Reduced emissions from future City-owned and operated buildings and facilities through planning and design.

Environment Strategy Principle 1.6: Increase collaborative climate change responses.

ACTION

Develop working relationships through the Climate Change Partnership Grant that lead to carbon pollution reduction or adaptation to climate change impacts.

Investigate a regional adaptation strategic partnership for the Bellarine Peninsula.

DESIRED OUTCOMES

Improved management of climate-related risks to City operations and services.

OUR ENVIRONMENT STRATEGY CLIMATE CHANGE MITIGATION AND ADAPTION TARGETS FOR 2020-30 ARE:

- Adopt a Climate Change Response Plan by 2021. **(Complete)**
- Amend our Environmentally Sustainable Design Policy to require sustainable design assessments for all multi-unit developments by 2023. **(Complete)**
- All City-managed operations to be carbon neutral by 2025.
- Review planning policies and processes to support UN Sustainable Development Goals and the IPCC 1.5-degree pathway by 2025.
- 100% renewable electricity supply used for all City owned and operated buildings and streetlights by 2025.
- 95 per cent of Drysdale Landfill methane gas emissions recovered and used for energy production by 2025.
- All City-owned light fleet vehicles powered by zero-emission power sources by 2030.
- All new large City-owned buildings built after 2020 to achieve a 5-star 'Green Star' environmental rating.
- All new small City-owned buildings built after 2020 to comply with Built Environment Sustainability Scorecard sustainable design standards.



GOAL TWO

CREATE GREENER COMMUNITY SPACES

GOAL 2 - KEY OUTCOMES AND ACHIEVEMENTS 2020-24

Boronggook Drysdale Library

The 5 star environmentally sustainable design rated Boronggook Drysdale Library, featuring an innovative circular design and green rooftop, was officially opened to the public in May 2023. The first of its kind in the Greater Geelong region, the state-of-the-art library features 4,300 plants, including 18 different native species on its rooftop, providing habitat for birds, bees and butterflies. The living habitat was included in a bid to mitigate urban heat island effects and protect against increasing peak temperatures, provide insect and bird habitat and improve site ecology through drought tolerant and climate adapted plantings.

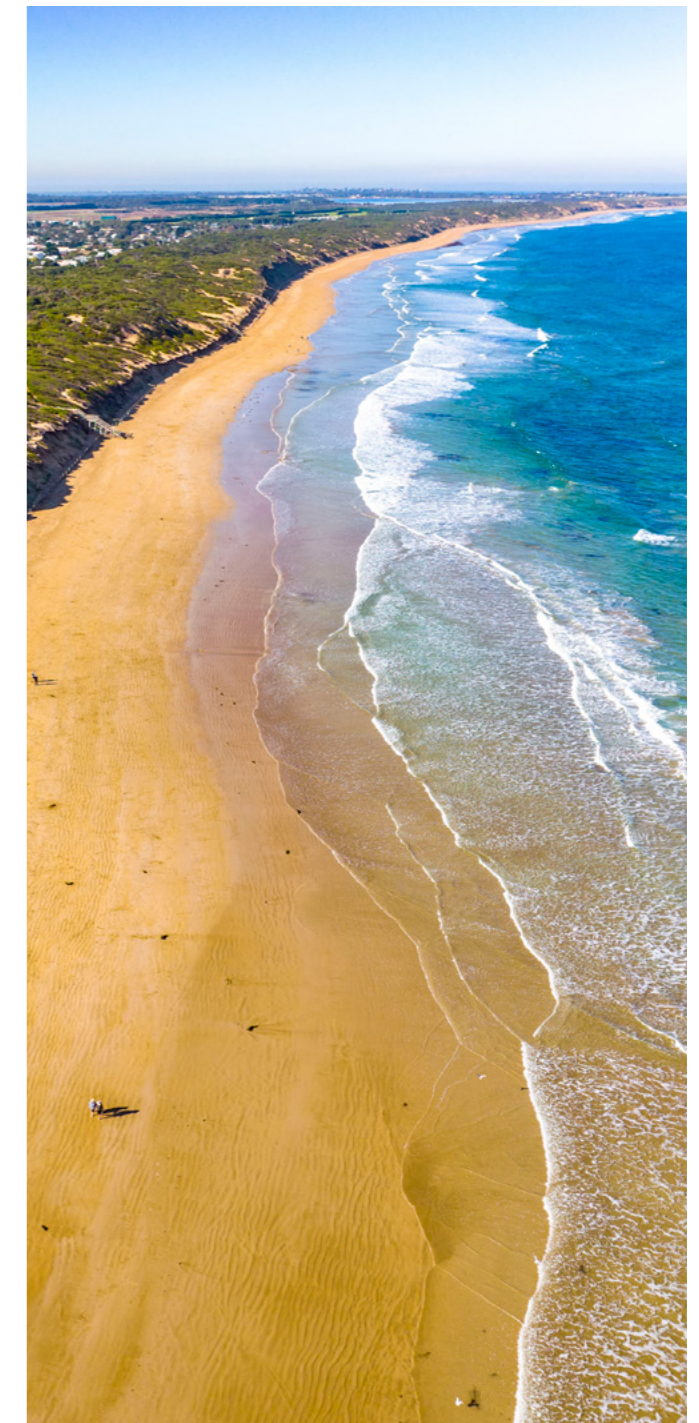
Greenway Projects

As part of our Greenway Project, the City has worked with community groups to plant over 60,000 trees and direct seed 2 hectares of native grasses along the Ted Wilson Trail shared pathway. We have also delivered the Armstrong Creek waterway restoration project which re-established a 3.6-hectare native grassland reserve in a closed rural road easement.

Greening these spaces has created new nature-based recreation opportunities for users of the shared pathway, while also establishing nature corridors that improve the biodiversity in our region.

The Our Coast Project

The Our Coast project is a partnership with community, all levels of government and coastal management agencies to successfully respond to the challenges of climate change. The Geelong and Bellarine Peninsula region is one of four Victorian coastal regions involved in undertaking Local Coastal Hazard Assessments. These assessments expand on previous climate change coastal hazards research the Victorian Government has done, and will assist coastal communities, councils and government to plan and respond future climate change impacts.





Boronggook Drysdale Library

GOAL 2 - REVISED ACTION PLAN 2024-26

Environment Strategy Principle 2.1: Increase amenity of community spaces and reduce urban heat risk.

ACTION

- Identify new opportunities for policy or project development from the discussion paper on understanding and mitigating the health impacts of climate change.
- Embed minimum community space greening and green/blue infrastructure requirements for private sector developments in new Precinct Structure Plans.
- Update the *Open Space Strategy* to establish goals to reduce urban heat in our community reserves.
- Enhance landscape planning permit conditions to achieve community space greening outcomes.
- Review the *Urban Forest Strategy* and integrate any actions from other relevant strategies and plans.
- Maintain existing green infrastructure in the public realm owned or managed by the City.
- Collect data on planting programs that occur in new developments to allow for more comprehensive reporting.
- Update priority areas for planting across the City.
- Protect and restore our tree population.
- Improve standards and/ or policies for new developments and locating utility services to allow for adequate space for street tree root zones.

DESIRED OUTCOMES

- Reduced climate-related risks to human health.
- Increased biodiversity values (i.e. conservation, ecological health and habitat values) on City-owned and operated lands.

Environment Strategy Principle 2.2: Increase adoption of nature-based, green-blue infrastructure solutions.

ACTION

- Create a methodology to track alternative water sources as a percentage of the total water use.

DESIRED OUTCOMES

- Increased use of alternative water sources in fit-for-purpose uses.

Environment Strategy Principle 2.3: Connect people to nature.

ACTION

- Identify and develop projects to increase biolinks and nature in our urban areas.
- Support community involvement in greening the city actions through education and outreach programs.

DESIRED OUTCOMES

- Increased biodiversity in urban areas.
- Increased number of people taking action to protect, enhance and restore biodiversity.
- Increased number of people using active travel pathways to commute to work.

OUR ENVIRONMENT STRATEGY URBAN GREENING TARGETS FOR 2020-30 ARE:

- Complete urban heatwave vulnerability modelling and identify priority urban greening sites by 2023. (Complete)
- Develop and implement a sustainable food policy to support community food production by 2023.
- Improve landscape planning controls to support desired urban greening outcomes by 2024.
- Develop an urban ecology plan by 2025. 🔄
- Develop an integrated water management strategy and waterway management plan by 2025.
- Plant one million new trees in Greater Geelong by 2030. 🔄
- Increase tree canopy cover in urban Greater Geelong to 25 per cent by 2045, with an interim target of 20 percent by 2030.
- Establish and maintain parkland areas within 400 metres of all households.

🔄 * Target progress needs improvement



Garden organics composting facility, Anakie

GOAL THREE

CONTRIBUTE TO A CIRCULAR ECONOMY BY REDUCING WASTE.

GOAL 3 - KEY OUTCOMES AND ACHIEVEMENTS 2020-24

Turning garden and food waste into compost

The City opened our garden organics composting facility in 2018. Each year this facility turns approximately 35,000 tonnes of garden waste, collected through our kerbside collection service, into high quality compost that is used on City reserves and sold as a horticultural product.

Between 2021 and 2023 we also delivered a food waste collection trial where food waste from participating households was collected and turned into compost. This trial collected approximately 3.5 tonnes of food waste every week, material that would have otherwise gone to landfill. The knowledge gained through this trial is informing our planning for the future expansion of food waste collection services across our municipality.

Using recycled materials in road construction

The City is delivering innovative road construction projects using recycled products as construction materials. Our road construction projects are using crushed glass as a replacement for sand, rubber reclaimed from old tyres in asphalt sealing products, recycled plastics in asphalt mixes, and reclaimed asphalt and concrete in place of new materials.

These projects are keeping thousands of tonnes of glass, plastic and other recyclable materials out of landfill, and the use of efficient construction processes is reducing the greenhouse gas emissions of these projects by as much as 30 percent.

In 2023-24, 15.39% of the materials we used in delivering 45.5km of road resurfacing works, 12.9km of footpath replacement works, and 5.6km of kerb replacement works were recycled materials.

GOAL 3 - REVISED ACTION PLAN 2024-26

Environment Strategy Principle 3.1: Avoid creating waste.

ACTION

Audit and employee education campaign to reduce waste.

Ensure Sustainable Design Assessments, Environmental Management Plans and Waste Management Plans for planning applications incorporate waste minimisation requirements.

Implement sustainable procurement practices to prioritise using products produced with sustainable and recycled materials.

DESIRED OUTCOMES

Reduced waste from City operations.

Reduced environment and sustainability impacts from new urban development.

Reduced environmental impact of goods and services through sustainable procurement.



Environment Strategy Principle 3.2: Recover more resources.

ACTION

- Develop the infrastructure to transition to a food organics collection and processing service.
- Incorporate contractual measures in new kerbside waste collection contract to improve service delivery and waste minimisation.
- Introduction of residential kerbside glass and food organics collection services.
- Drive behaviour change in resident recycling through bin inspection program and education campaigns.

DESIRED OUTCOMES

Increased diversion of waste from landfills and recovery of more organic and recyclable resources

Environment Strategy Principle 3.3: Protect the environment from waste impacts.

ACTION

- Enable special drop off service for items that are not recyclable through kerbside bins at the Geelong and Drysdale Resource Recovery Centres.
- Implement environmental monitoring and operational plans for Drysdale Landfill.
- Conduct annual environment audit of Drysdale Landfill and implement recommendations.
- Reduce and offset emissions from landfill.
- Support community clean up and waste diversion events such as Clean Up Australia Day.
- Respond to illegal littering reports and remove dumped rubbish from the environment.

DESIRED OUTCOMES

Increased diversion of waste from landfills and recovery of more organic and recyclable resources.
Sustainable management of waste to landfill operations to minimise environmental impacts.
Improved ability to offset residual emissions from City-operations.
Reduced environmental impact of waste.

OUR ENVIRONMENT STRATEGY WASTE REDUCTION TARGETS FOR 2020–30 ARE:

- Develop a single-use plastics prevention policy for City operations and events by 2020. **(Complete)**
- Use at least 95 per cent of landfill gas generated at the Drysdale Landfill for energy production by 2022. **(Complete)**
- Single-use plastics phased out of City-owned buildings by 2022. **»**
- Reduce waste produced in City-operated office buildings by 20 per cent by 2025.
- Halve the volume of organic materials going to landfill from residential waste bins between 2020 and 2030, with an interim target of 20 per cent reduction by 2025.
- Reduce residential recycling bin contamination rates to less than 10 per cent by 2025.

» * Target progress needs improvement



Sparrovale Wetland Reserve – Ngubitj Yooree

GOAL FOUR

PROTECT, ENHANCE AND RESTORE OUR REGION'S BIODIVERSITY.

GOAL 4 - KEY OUTCOMES AND ACHIEVEMENTS 2020-24

Traditional Land Management Learning

The City and the Wadawurrung Traditional Owners Aboriginal Corporation are working together to build awareness and understanding of traditional land management practices. The 2023 Geelong Nature Festival was a 6-week journey spanning six different landscapes across Wadawurrung Country, attended by over 2,000 people. The event included the "Nature, Our Backyard" art installation that celebrated our regions iconic native plant and animal species which were selected with guidance from the Wadawurrung Traditional Owners Aboriginal Corporation.

The Dell Eco Reef

The City installed the multi award-winning Dell Eco Reef coastal protection reef in 2022. The innovative modular reef units create a healthier ecosystem along our coastlines by reducing coastal erosion and creating new habitat for marine life. The reef is also becoming an attraction for tourists, recreational snorkellers and swimmers.

Sparrovale Wetland Reserve – Ngubitj Yooree

Sparrovale Wetland Reserve – Ngubitj Yooree is a 500-hectare reserve adjacent to the Barwon River and Lake Connewarre. The City purchased this reserve in 2019 to protect the sites important wetlands and to manage stormwater impacts for the Armstrong Creek Urban Growth Area.

We have established an ecological monitoring program for these wetlands to capture and report on ecological changes to the site as it transitions from farmland to a conservation reserve. We will use the findings of this program to guide our planning and management practices for the site to improve conservation outcomes.

GOAL 4 - REVISED ACTION PLAN 2024-26

Environment Strategy Principle 4.1: Collaborate with the Wadawurrung Traditional Owners to connect culture and biodiversity.

ACTION

Conduct collaborative activities with the Wadawurrung Traditional Owners to deliver cultural and caring for country activities. »

DESIRED OUTCOMES

Increased involvement of traditional owners in the management of City-owned and managed land.

» * Action delivery needs improvement

Environment Strategy Principle 4.2: Protect and enhance indigenous biodiversity.

ACTION

- Maintain City-owned and managed conservation areas.
- Implement education and incentive activities to encourage planting on private land.
- Identify priority strategic reserve acquisitions.
- Develop an advocacy process to support priority strategic reserve acquisitions.
- Establish public parkland as per phase 2 (2022-2030) of the Sparrovale Wetland Reserve – Ngubitj Yooree Master Plan.
- Conduct planning scheme environmental assessments to minimise loss of biodiversity.
- Prepare the Strategic Assessment under the Environment Protection and Biodiversity Conservation Act and biodiversity conservation strategy for the Northern and Western Growth Areas.
- Undertake a detailed ecological assessment of the Western Growth Areas
- Conduct pest plant and animal control on existing council reserves to reduce impacts on biodiversity.
- Conduct pest plant and animal control on new council reserves to reduce impacts on biodiversity.

DESIRED OUTCOMES

- Increased biodiversity values (i.e. conservation, ecological health and habitat values) on City-owned and operated land.
- Increased plantings on private land for biodiversity values.
- Increased area of protected and enhanced biodiversity on City-owned and operated land.
- Increased area of biodiversity in protected reserves.
- Reduced environment and sustainability impacts from new urban development.

Environment Strategy Principle 4.3: Restore biodiversity in modified urban landscapes.

ACTION

- Establish new habitat in urban landscapes.

DESIRED OUTCOMES

- Increased area of restored biodiversity values on City-owned and operated land.

Environment Strategy Principle 4.4: Adaptive management approach to biodiversity conservation.

ACTION

- Complete ecological surveys of fish, frogs and birdlife as required for developing the Sparrovale Wetland Reserve – Ngubitj Yooree.
- Undertake mapping of the region's biodiversity assets.

DESIRED OUTCOMES

- Increased understanding of nature.
- Reduced risk of loss of biodiversity from future urban growth.

Environment Strategy Principle 4.5: Build community knowledge, engagement and partnerships.

ACTION

- Conduct the bi-annual Nagoya -Geelong wetland partnership conference.
- Build community knowledge, engagement and partnerships to protect and restore our region's biodiversity.

DESIRED OUTCOMES

- Healthy behaviours and environments are promoted, supported and accessible.
- Increased number of people taking action to protect, enhance and restore biodiversity.

OUR ENVIRONMENT STRATEGY BIODIVERSITY PROTECTION AND RESTORATION TARGETS FOR 2020–30 ARE:

- Review and update our Biodiversity Strategy by 2021. ⏪
- Establish conservation protection for all remnant biodiversity patches larger than 10 hectares by 2025.
- Engage 100,000 people in nature education and conservation activities by 2025.
- Establish an additional 1,000 hectares of protected natural habitat by 2030.
- Prevent any new indigenous species or habitat area extinctions during the term of this strategy. ⏪
- Achieve a net gain of biodiversity within Greater Geelong during the term of this strategy. ⏪

⏪ * Target progress needs improvement



Nature, Our Backyard art installation



GOAL FIVE

ACHIEVE BETTER INTEGRATED WATER MANAGEMENT THROUGH PLANNING AND DESIGN.

GOAL 5 - KEY OUTCOMES AND ACHIEVEMENTS 2020-24

Eastern Park Stormwater Harvesting System

Water run-off from the East Geelong drainage system is captured and stored in the Eastern Park dam. Water flowing into this stormwater harvesting dam is treated to remove pollutants before being used for irrigation in the Botanic Gardens, as well as tree watering around Greater Geelong. This stormwater harvesting system supplies between 50 and 70 per cent of water used for irrigation in the Botanic Gardens, saving up to 15 million litres of drinking water each year.

Gross Pollutant Traps.

The City has installed and operates a network of 52 gross pollutant traps across our drainage and stormwater asset network. These traps remove litter and sediment from stormwater runoff before it enters our waterways to reduce the impacts these pollutants can have on our environment, our marine and terrestrial wildlife, and the health and wellbeing of our community.

GOAL 5 - REVISED ACTION PLAN 2024-26

Environment Strategy Principle 5.1: Support sustainable water use.

ACTION

Demonstrate a reduced operational potable water demand in City facilities.

DESIRED OUTCOMES

Increased use of alternative water in fit-for-purpose uses.



Eastern Park stormwater harvesting dam

Environment Strategy Principle 5.2: Sustainable management of drainage and stormwater asset networks.

ACTION

- Participate in the periodic review and update of the Local Government Infrastructure Design Association’s Infrastructure Design Manual.
- Participate in the periodic update of City of Greater Geelong’s Standard Drawings and Design Notes.
- Complete all flood risk reduction actions outlined in the City of Greater Geelong’s *Stormwater Services Strategy*.
- Assess and prioritise stormwater reuse opportunities using the stormwater services strategy flood studies data.
- Periodically review the performance of existing stormwater treatment and reuse infrastructure. »
- Develop a tool that specifies the City of Greater Geelong’s preferred stormwater treatment and reuse design options with respect to location (i.e. land use and waterway catchment, etc.).
- Update and adopt the *Geelong IWM Plan* and implement priority actions. »
- Continuing participation in the Barwon Integrated Water Management Forum.
- Support the DEECA stormwater offsets project and deliver a stormwater treatment offset scheme pilot.

DESIRED OUTCOMES

- Reduced environment and sustainability impacts from new urban development.
- Reduced urban flood risk.
- Increased use of alternative water in fit-for-purpose uses.
- Reduced impacts on waterways from urban stormwater.
- Improved ability to apply IWM in the design of new urban infrastructure.

» * Action delivery needs improvement.

OUR ENVIRONMENT STRATEGY INTEGRATED WATER MANAGEMENT TARGETS FOR 2020–30 ARE:

- Develop a waterway management plan by 2025. »
- Develop an integrated water management plan for the North Western Geelong Growth Area by 2025.
- Develop an integrated water management plan for Geelong by 2025. »
- Identify catchment management units that don’t comply with best-practice standards for water quality, and establish priority infrastructure improvement projects, by 2026.
- Implement the *Stormwater Services Strategy 2020–30*.

» * Target progress needs improvement

CITY OF GREATER GEELONG

Wadawurrung Country
PO Box 104
Geelong VIC 3220
P: 5272 5272
E: contactus@geelongcity.vic.gov.au
www.geelongaustralia.com.au

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