

# Corporate Climate Action Plan Progress Report

2023 - 2028



City of  
**Melville**

DRIVING TOWARDS  
**ZERO EMISSIONS**

Annual progress  
report 2023/2024



City of  
**Melville**



## Acknowledgement of Country

We acknowledge the Bibbulmun people as the Traditional Owners of the land on which our City stands today and pay our respects to the Whadjuk people and Elders both past and present.

## Nyungar Statement

City of Melville nagolik Bibbulmen  
Nyungar ally-maga milgebar gardukung  
naga boordjar-il narnga allidja yugow yeye  
wer ali kaanya Whadjack Nyungar wer  
netingar quadja wer burdik.

*Marie Taylor, Whaduck Balardong  
Nyungar Birdiyia*

## Acknowledgement of the Climate Emergency

The City of Melville acknowledges the climate emergency and is committed to achieving carbon neutrality as an organisation by 2030 and net zero across our City by 2050 to combat climate change.







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## INTRODUCTION

**The City of Melville (The City) is committed to finding practical ways to mitigate and adapt to climate change as an organisation. The Corporate Climate Action Plan 2023 - 2028 (the Corporate CAP) outlines the 110 actions across 10 themes the City will undertake to tackle climate change, build resilience and minimise the vulnerability of our organisation. It is our roadmap to transitioning to carbon neutral by 2030.**

The Corporate CAP presents priority actions to:

- Improve the City's resilience to the impacts of climate change.
- Build internal capability and maturity across the organisation's operations and planning.
- Minimise the City's exposure to the procurement of carbon offsets that are required to meet its carbon neutral target at 2030.

This is the first annual progress report since the Corporate CAP was adopted by Council on 18 July 2023 and since Council declared a climate emergency on 21 June 2021. The annual progress report keeps the Council and the community informed about the City's progress on the Plan. It provides a summary of the progress made on each action. This provides an opportunity for Elected Members and other stakeholders to monitor progress and hold the City to account on its commitments.





# Our role in climate action

**As a local government we play a key role in achieving our community's aspirations and our vision of a vibrant, sustainable, inclusive Melville.**

The purpose of the Corporate CAP is to establish corporate mitigation and adaptation actions for the City. Through the implementation of these actions, the City can contribute to reducing greenhouse gas emissions associated with our services and operations whilst seeking to avoid the future impacts of climate change beyond what is already projected.

Although we are ideally placed to understand and respond to the changing needs of our community, we understand that some areas are outside our direct control or expertise and we need to work with and have the commitment and actions of others, such as state and federal governments, business, community organisations and residents.

## Different roles we play



### **Regulator**

We have a statutory obligation to regulate a specific area of activity.



### **Funder**

We provide funding to others to provide services and facilities.



### **Monitor**

We gather information and check progress over time.



### **Partner**

We work collaboratively with others to deliver services and facilities.



### **Facilitator**

We bring together and encourage others to achieve goals.



### **Provider**

We are responsible for service and facility delivery.



### **Advocate**

We promote the interests of our community to other decision-making organisations, such as state and federal governments.

The Corporate CAP is complemented by the Community Climate Action Plan 2024 - 2030, which presents priority actions for the City to implement by 2030 to both reduce emissions and adapt to a changing climate at the community level.



# CORPORATE CLIMATE ACTION PLAN

## 2023 – 2024 updates

**The Corporate CAP's approach to achieving our carbon neutral by 2030 target is based on a science- based methodology that prioritises emission reductions in the areas that will have the most significant impact.**

Since the plan's adoption in July 2023, it has undergone refinements to enhance its effectiveness:

- We have devised objectives for each of the ten themes to refine their intent and align with the Community CAP themes and measures of success for each action to provide clear direction for the scope.
- We have revised the timeframe category for each action from short (1-2 years) and medium (3-5 years) term to the financial years the action will be worked on instead.
- Based on these changes, the development of action implementation schedules for each individual action has not been progressed as actions sit within existing operational and capital works budgets and workplans and the long term financial model.
- Business cases are developed for those actions that are not currently captured within the long term financial model. Appendix A details the measures of success and timeframe updates for each theme and action, while the objectives are highlighted in the body of this report along with key project updates.
- We have added dates to the Corporate CAP's title (2023 – 2028) to clarify the timeframe the plan and actions cover.
- We are developing an internal climate action tracking system to enable staff across the organisation to provide regular progress updates on actions, streamlining the process and supporting the Climate Action Governance Advisory Group oversight of the plan. When complete, this will be available to staff and elected members to view, with a community version also in development.





# Key projects

Since adoption of the Corporate CAP, the City has been embedding climate action into our planning and activities. The 110 actions in the Corporate CAP are being addressed by the relevant service areas within the City, with the support of the Sustainability & Climate Action team. Key achievements are highlighted below with detailed reporting against each action in Appendix A, summarising key activities, challenges and achievements during the year.

## Understanding the progress update status

- Not started:**  
Work has not started on this action and it will progress in accordance with the timeframe allocated.
- Planning:**  
A work plan is in development for how this action will be implemented.
- Implementation:**  
Work is progressing and expected to be completed on schedule.
- Complete:**  
Work is complete or has reached practical completion and the deliverable is in use.
- Deferred:**  
Work has encountered significant challenges and is unlikely to be completed on schedule.
- Retired:**  
Action retired due to change in circumstances means it is no longer relevant to pursue.



Not started	10	9%
Planning	18	16%
Implementation	67	61%
Completed	14	13%
Deferred	0	0%
Retired	1	1%



## Advocacy

**Proactively advocate for policies and strategies that enhance climate resilience, biodiversity protection, and sustainable asset management.**

- Meetings with the Minister for Energy, the Environment and Climate Change and engagement with local members and Ministers.
- Engagement with WALGA climate advocacy sessions and the Local Emergency Management Committee on climate response activities.

## Built Environment

**Renew and enhance city infrastructure and buildings to incorporate sustainability, energy efficiency, and climate adaptation features where practicable.**

- Refurbishment works for the LeisureFit Booragoon Pool Redevelopment began in November 2023, with the centre being transformed into a modern, contemporary, and accessible new swimming facility.
- The Murdoch Shared Path project was completed in November 2023, which connects Leach Highway to South Street in Murdoch. The shared path makes it safer and easier for pedestrians and cyclists to access Murdoch Activity Centre and Murdoch Health Precinct, as well as nearby schools.
- We completed The Strand road improvement project in Applecross, which formalised parking and improved water sensitive urban drainage incorporating permeable paving along with landscape upgrades.
- Road pavement stabilisation was completed at Preston Point Road in Bicton and Davy Street in Booragoon, which reduces our greenhouse gas emission by the way of lower transport requirements and reuse of the existing pavement materials.
- To reduce our cost for the use of the mains water supply, we use Evershed sump surface water harvesting for reuse in road construction, tree watering, road sweeping and drain cleaning, which included an innovative storage system bag which holds 140,000 litres.





## Education & Awareness

### **Cultivate a climate-conscious organisational culture through comprehensive training, partnerships, and communication strategies.**

- Sustainability implications section in Council reports revised and guidelines updated for effectiveness.
- Details on the City's mandatory 20% weighting for sustainability included in supplier workshop held at the City open for all suppliers to attend and ongoing material shared to suppliers when completing tenders.
- Launch of the Sustainability Action Hub on the intranet for frequent communication and education with staff.
- Staff in the Sustainability and Climate Action and City Buildings and Projects teams completed Green Star foundations training.
- Our Waste Wise Melville program has helped staff reduce plastic waste in the workplace by providing staff with reusable cutlery and conducting two sets of bin audits of key offices to identify plastic waste to target.
- Staff got to meet some local wildlife and learn how to take action in our job and homes to support wildlife in urban environments.

## Emissions Reduction

### **Significantly decrease the City's ongoing carbon footprint by implementing innovative technologies and sustainable practices across all operational areas.**

- We celebrated the eleventh solar PV system to be installed on a City building, helping to reduce carbon emissions and electricity costs.
- The percentage weighting for local, disability, aboriginal and sustainable businesses has been consolidated and increased to 20% for procurement tenders which is assessed by the newly set up Social Procurement Committee.

- We updated our annual carbon budgets as part of our carbon accounting process, identifying specific actions for service areas to reduce their carbon emissions in a staged and financially sound manner. Direct scope 1 and 2 emissions are predicted to fall by about 900 tCO<sub>2</sub>e in 2024/2025.
- We scored an A- on the 2023 climate report card from CDP, a not-for-profit charity that runs the global environmental disclosure system. Improving on our D score from 2022, the A- score means that we have demonstrated environmental leadership and best practice in strategy and action.
- We celebrated the reopening of the Melville Main Hall following a major renovation and refurbishment project, 56 years after the civic building first opened. Chairs from the renovation were recycled through Green Chair to be given a second life.
- Diverted 65.8% of waste from landfill across all streams (including residential and commercial, bulk verge collections and public drop off days).
- Completed the 3-Bin FOGO rollout to all single dwellings, with multi-unit dwelling rollout almost complete and introduced a pre-booked bulk verge and green waste collection service at the start of 2024 which has resulted in financial savings and increased resource recovery rates.
- Re-endorsed as Waterwise Gold Council by the Water Corporate and we're operating in accordance with water allocations and continue to investigate and implement water efficiency measures for parks and reserves.
- Green energy purchased for 21 contestable sites for a 3-year period ending in March 2025.
- Undertook overnight audit of City buildings to identify energy and emissions savings for implementation.





## Finance

**Develop and maintain robust financial mechanisms that support, incentivise, and accelerate climate action initiatives within City operations.**

- We're maintaining a preference for green/ethical investments in the City's investment portfolio, balanced with return on investment.
- We're investigating how we can integrate our carbon accounting processes with our financial systems to improve efficiencies.
- Received two grants to support the fleet transition to electric vehicles and awaiting details of a third grant under review for building efficiency upgrades.

## First Nations

**Integrate First Nations' cultural practices and engagement to safeguard culturally significant sites from climate impacts.**

- Successful graduation of the First Nations Ranger trainee and new candidate applications are in development.
- Key landscaping projects that included First Nations engagement included Goolagatup Heathcote (Lowerlands), Dyoondalup Point Walter Bike Track, Esplanade Public Open Space and Melville Beach Road.

## Habitat Protection

**Enhance and protect biodiversity and ecosystem resilience through proactive management and implementation of nature-based solutions.**

- We completed our study at Frederick Baldwin Lake to monitor water quality and ecosystem health in partnership with Murdoch University. The findings will inform how we manage our wetlands across the City.
- Ongoing partnership with Murdoch University for a Conservation Action Plan for Black Cockatoos, with monitoring and data collection to identify suitable locations to plant flora for future roosting and food sources for these birds.
- Continued to implement our National Areas Asset Management Plan and Foreshore Restoration Strategy to ensure best practice management of the City's natural areas.
- Planted **2,000** trees per year through expansion and succession programs, more than **23,000** seedlings and **8,045** of mature stock in our natural areas and more than **6,000** trees in our natural areas, streetscapes and parks. We use our local FOGO compost in our programs.



## Policies & Planning

**Embed climate change considerations into all City policies, plans, and decision-making processes, ensuring a comprehensive approach to climate resilience.**

- Our updated Council Plan for the Future 2024 – 2028 was developed during 2023/2024 and adopted in July 2024. It retains Clean & Green as a key focus area and each key outcome area is set against a sustainable framework: Social, Environment, Economic and Governance.
- Climate leadership is now part of the Employee Value Proposition and is included in job interview question templates. Our refreshed onboarding and in-boarding strategy includes a focus on sustainability & climate action for new and existing staff.
- We revised our Strategic & Operational Risk Registers and Business Continuity Plan to ensure climate risks are adequately considered.
- The Local Planning Scheme 6 review continues with sustainability a key theme and we are developing an environmentally sustainable design policy and a significant tree on private land policy.

## Transport

**Transition to a low-emission transportation system for City operations, prioritising active transport, infrastructure and efficient fleet management.**

- We took another step towards our carbon neutral target with the introduction of four electric vehicles (EVs) to our carpool fleet. The BYD Dolphin and Atto 3 model EVs use renewable energy from on-site solar generation at the Civic Centre and Operations Centre, producing zero operational emissions and allowing the City to reduce CO<sub>2</sub>-e emissions by 8.1 tonnes annually<sup>1</sup>.
- We support our staff with hybrid working arrangements and have completed our second staff travel survey to monitor how this affects our carbon emissions.

<sup>1</sup> The installation of charging infrastructure was supported by grant funding via the WA Department of Mines, Industry Regulation and Safety's Charge up Workplace Grant Program, and the ARENA Future Fuels program in collaboration with the State Government and WA Local Government Association. The purchase of Electric Vehicles received funding from the Australian Renewable Energy Agency (ARENA) as part of the ARENA's Driving the Nation Program.







## Community Focus

**Engage and empower the community in climate action, fostering a collective approach to emissions reduction and sustainable living practices. To be replaced with the Community Climate Action Plan when endorsed.**

- We continued our development of our Community Climate Action Plan to mitigate and adapt to climate change as a community. Our Climate Action Reference Group concluded in May 2024 after meeting 12 times since 2022 and providing input into the Community Climate Action Plan.
- We hosted our first Eco Action Expo, which included a wide variety of stallholders, activities, things to buy and lots to learn and more than **300** people attending.
- Our sustainability and waste education programs, including school holiday and youth programs hosted **179** events with more than **5,800** attendees. More than **1,600** attendees attended our toddler programs.
- Climate change questions were included in the 2023 community survey which found that **79%** residents positively rated our efforts to adopt and promote sustainable practices to address climate change, **86%** residents positively rated our conservation and environmental management, and **87%** residents positively rated our efforts to maintain and enhance the river and foreshore.
- To support the community's aspirations of shared space when walking and riding, our Walk and Ride Plan was finalised and endorsed by Council in May 2024. The Plan provides a holistic approach for active transport and recognises that people walking, riding and wheeling often share the same infrastructure, and yet can compete for the same space in some locations.
- We supported **31** Friends Groups and **23** schools with more than **10,800** volunteer hours contributed and gave away **8,500** free native plants to residents and local schools in our annual native plant giveaway.
- Collected a total of **40,333** tonnes of residential waste and recycling, comprising of **20,433** tonnes of food organics, garden organics (FOGO), **11,393** tonnes of general waste and **8,497** tonnes of recycling. Collected **1,130** tonnes of commercial waste and **320** tonnes of commercial recycling. Collected **2,577** tonnes of bulk verge waste including **77** tonnes of white goods, **43** tonnes of steel, **86** tonnes of mattresses, **10** tonnes of E-waste and **1,300** tonnes of garden organics.
- Supported the Garage Sale Trail, which had **2,468** participants, handed out **54** compost rebates, **23** worm cafe subsidies, **24** cloth nappy rebates and **68** reusable menstrual product rebates, and collected **17** tonnes of E-waste through our E-waste drop off days.



# Looking ahead

## Key projects we will be working on in 2024/25 to implement the Corporate Climate Action Plan.

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Several renewable energy upgrade projects at Piney Lakes Environmental Education Centre, Point Walter and the Civic Centre and entering into a new energy contract for the City.

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Green Building Council of Australia (Green Star) assessment of key City buildings.

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Staff and elected members climate action training program.

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Finalisation and implementation of the Community Climate Action Plan.

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Supporting our community to mitigate and adapt to climate change through education, grants and collaboration.

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Potential rebranding and reimagining of the Piney Lakes Environmental Educational Centre.

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Installation of new carbon accounting software and the build out of our scope 3 inventory.

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Roll out of our climate action tracker application.

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Working on our Fleet transition plan and installation of additional public facing electric vehicles charges and the procurement of additional Electric Vehicles.

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Introduction of FOGO collection for commercial premises.

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Enhancing the efficiencies of our commercial and domestic waste collections through digitisation of collection data and route optimisation.

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Update of the Urban Forest Strategy and Natural Areas Asset Management Plan.

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Continue to implement foreshore projects from the City's Foreshore Restoration Strategy and the Attadale Alfred Cove Foreshore Masterplan.

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Reconstruction of the Leeming Recreation facility car park preserving existing trees and developing rain gardens along with permeable paving to enhance the drainage system.

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Civil design for the Ogilvie Road Streetscape Upgrade project including utilising on-site stormwater infiltration through modular cells and recycled road base to lower embodied emissions.

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Research and consider the use of heat reflective road surfacing treatments on residential roads.

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Building Management Systems and Environmental Management Systems upgrades.

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Investigate future water harvesting sites for reuse in road construction, tree watering, road sweeping and drain cleaning activities.

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Undertaking large scale drainage modelling in-house with newly acquired drainage software.

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# Emissions update

The City’s annual scope 1 and 2 emissions are continually being tracked to provide an indication of our progress towards our carbon neutral target. Our scope 1 emissions are those which occur directly at the source of use and are from assets owned and controlled by the City. Examples of scope 1 emissions are petrol and diesel used by the City’s fleet and gas burned in hot water systems or gas boilers for pool heating. Our scope 2 emissions are those from grid-supplied electricity purchased and used in City operations.

Previous years emissions have been adjusted as the carbon emissions accounting methodology becomes more refined. Further refinements may occur in future years as both the emission inventory becomes more solidified and the capturing of consumption

data becomes more reliable.

The City has seen a significant reduction from financial year 2021-22 to 2022-23 in part due to the installation of solar PV systems at three facilities, but mostly due to the increase in the renewable energy portion of the electricity grid leading to a reduced emissions factor applied to our grid electricity use. This financial year the City’s total scope 1 and 2 emissions were 5,724 tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e), an increase of 172 tCO<sub>2</sub>e from last year (Figure 1). This increase is mostly due to the grid emissions factor increasing in 2023-24 (due to a smaller proportion of renewables on the grid). The City’s emissions are only 0.7% of the current total community emissions of approximately 844,142 tCO<sub>2</sub>e.

Scope 1 and Scope 2 Emissions (tCO<sub>2</sub>e)

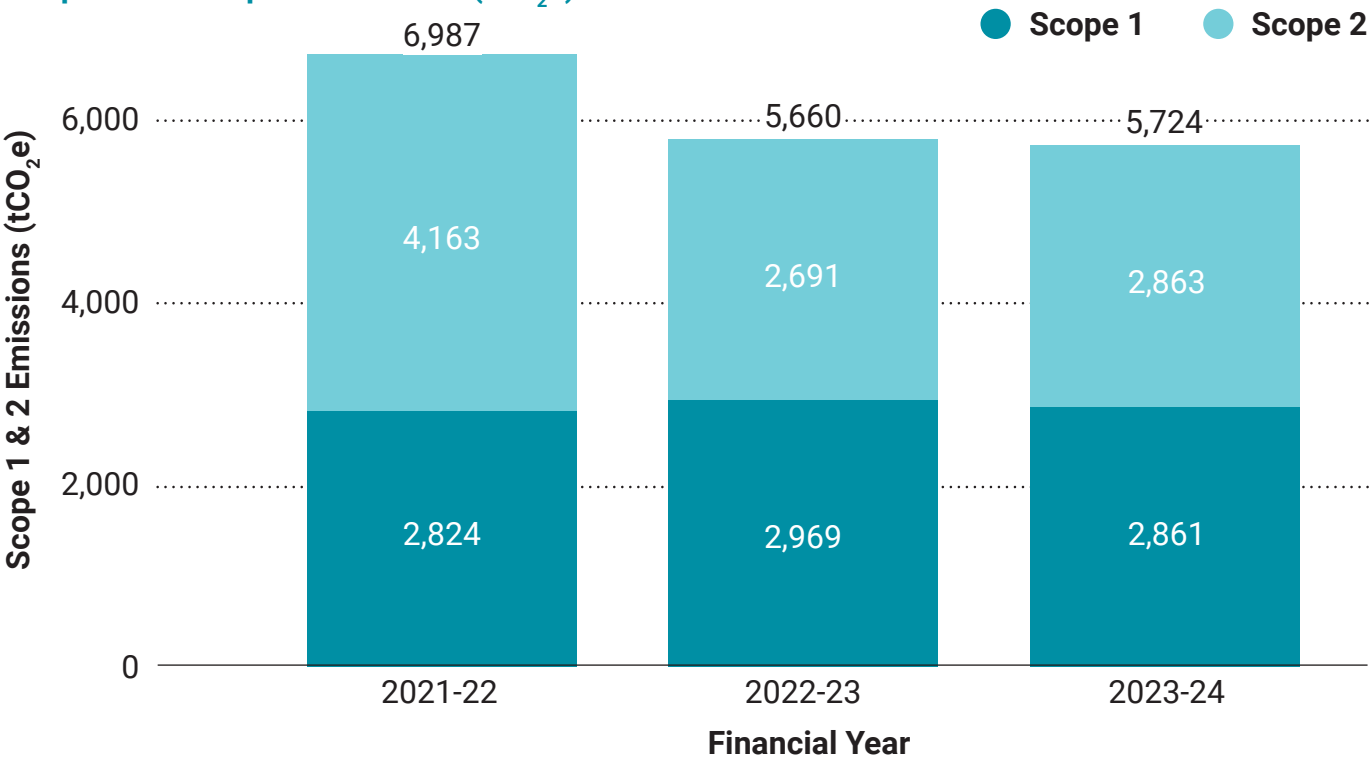


Figure 1: The City’s scope 1 and 2 emissions showing progress over the last three financial years.

Although there was no overall emission reduction this financial year, it is clear from the actions progress updates in Appendix A that the foundation for increased carbon reduction in the coming years is being laid.

Each of our service areas are working to reduce the emissions they are responsible for due to their daily business operations. This financial year’s scope 1 and 2 emissions for each service area are shown in Figure 2.



## Service Area Scope 1 and 2 Emissions (tCO<sub>2</sub>e)

● Scope 1 ● Scope 2

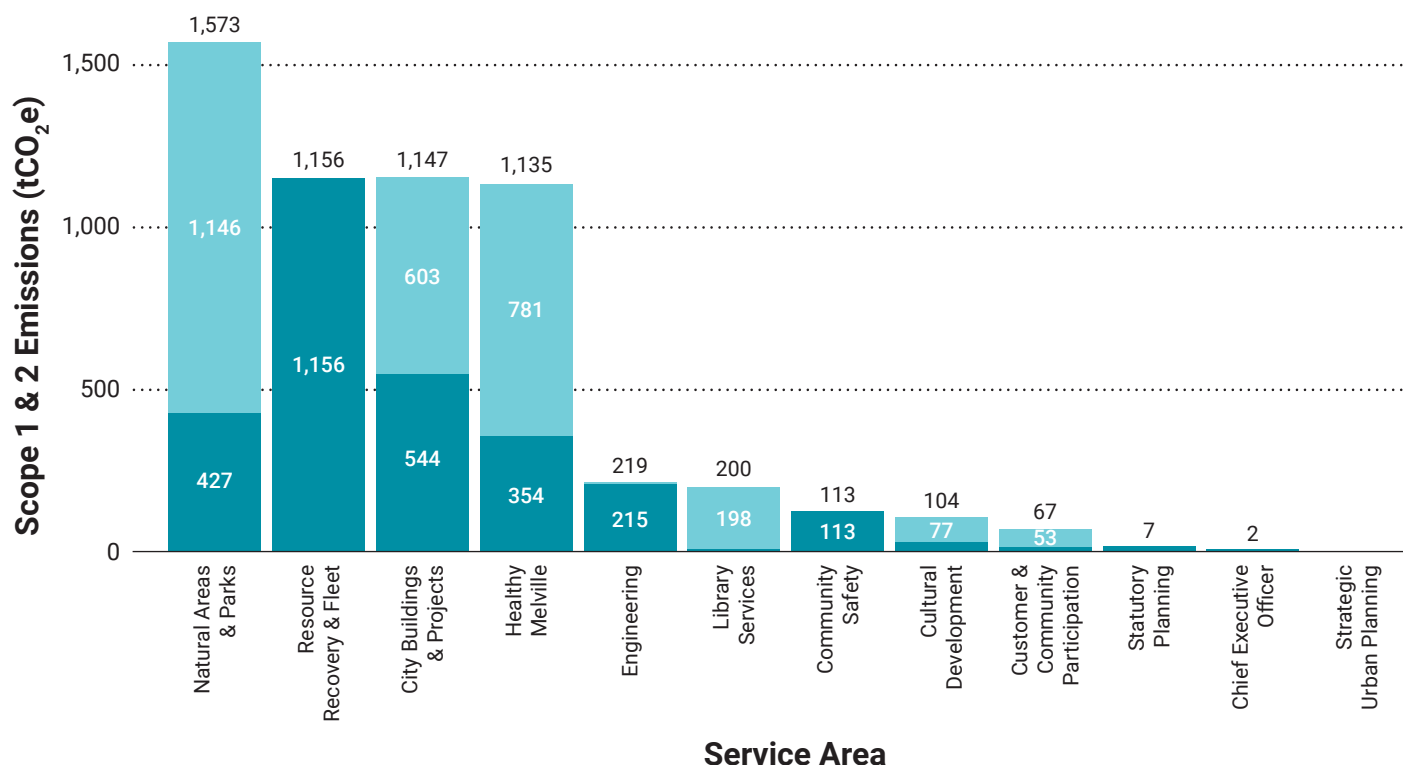


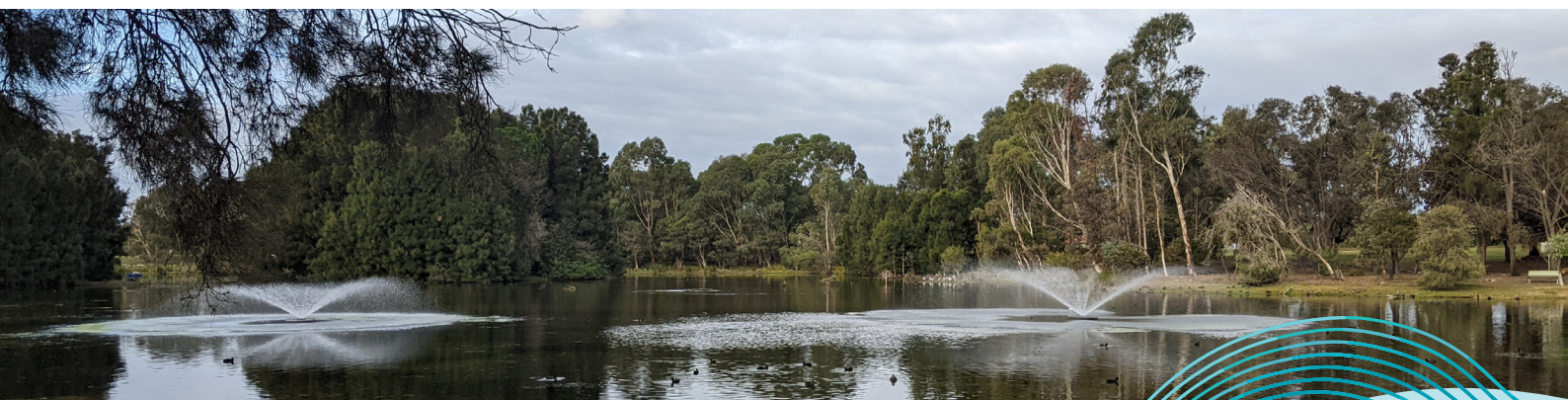
Figure 2: Scope 1 and 2 emissions broken down by service area financial year 2023/2024.

The highest electricity use by service area is Natural Areas and Parks, a result of watering and floodlighting of parks and ovals. The Resource Recovery and Fleet service area are the highest users of fuel due to our fleet of waste trucks.

Figure 3 tracks the sum of scope 1 and 2 emissions for each service area over the last three financial years. Over the last two financial years, there has been a large reduction in the Healthy Melville emissions due to refurbishment of the pools in the aquatic centre leading to reduced gas use from water heating. However, these emissions are

expected to rise again once the pools come back on-line at the end of 2024.

The increase in City Buildings emissions is mainly from this service area taking on the gas usage at Shirley Strickland Changerooms between the last two financial years after the facility was refurbished. The increase in Natural Areas and Parks is mainly from the increased electricity use at the Pt Walter Golf Course – likely due to increased watering required over this year's unusually long hot dry summer. Our water use is within our allocation and we have retained our Waterwise gold status in 2023/2024.





## Service Area Scope 1 and 2 Emissions Over Last Three Financial Years (tCO<sub>2</sub>e)

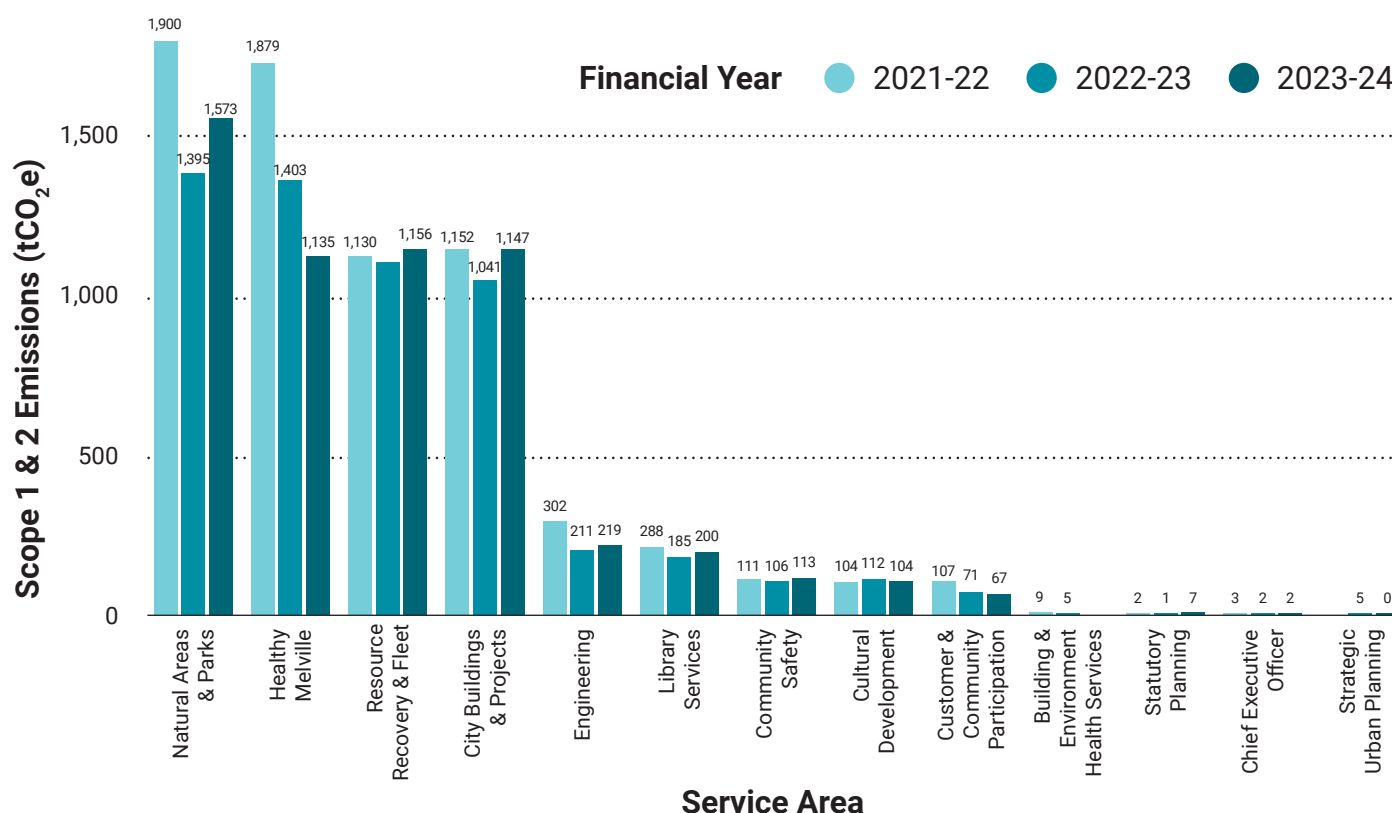


Figure 3: Total scope 1 and 2 emissions for each service area over the last three financial years.

Table 1 shows the City's energy usage in terms of the gigajoules (GJ) of gas used, the megawatt hours (MWh) of electricity used, and the kilolitres (kL) of fuel burned over each of the last three financial years. Electricity use has increased by 2% from last year likely due to the long hot dry summer we have just experienced (increased air conditioning and watering). Fuel use has increased by 3% which is due to increased services supplied to our

increasing population, including multi-unit properties, additional driver training programs and a new truck to support the pre-booked verge collection service. (When population is taken into account, fuel use per capita is 6.6, 6.5, and 6.5 L in 2021-22, 2022-23, and 2023-24, respectively). Gas use is down 18% mainly due to the pools shutdown as mentioned previously.

### Energy Use Summary

Financial year	Electricity (MWh)	Fuel (kL)	Gas (GJ)
2021-2022	6,122	709	17,830
2022-2023	5,276	698	21,235
2023-2024	5,401	721	17,933

Table 1: Breakdown of energy usage across the organisation over the last three financial years.



# Finance update

A summary of the costs associated with the implementation of the Corporate Climate Action Plan during 2023 – 2024 is shown in table 2 below.

Table 2: costs associated with the implementation of the Corporate Climate Action Plan during 2023/2024.

Description	2023/2024 spend
Sustainability & Climate Action Salaries	\$594,406
Electric Vehicles	\$36,192
Corporate Emissions Monitoring & Management	\$0
Micro Grid Project	\$26,795
Sustainability Initiatives	\$121,125
Piney Lakes Education Programs	\$51,057
<b>Total</b>	<b>\$829,574</b>

## Notes

- *These costs are not inclusive of capital enhancements and capital renewal projects that enhance the City's resilience to climate change or mitigate against the speed of climate change.*
- *Salaries and programs associated with the Sustainability and Environmental Education team and Piney Lakes Education Facility costs are only captured from January of 2024 when they were transitioned from the Natural Areas and Parks Service Area into the Sustainability and Climate Action Service Area.*
- *The costs above do not reflect the \$105,000 in grant funding provided by the Charge Up WA and Australian Renewable Energy Agency that funded both EV charging stations and electric vehicles.*
- *Additional grant applications have been lodged in this financial year through the Community Energy Upgrade Fund which the City expects to hear about by September of 2024.*

The Sustainability and Climate Action Team are currently developing a report within Power Bi that will calculate the operational savings to the City associated with self-generated power, battery energy storage systems, the conversion of fleet vehicles to electric as well as a raft of other energy efficiency projects. We expect that this will be available from the second annual report onwards.

Based on scope 1 and scope 2 emission data the City's financial exposure to carbon offsets at a price of \$35 a tonne would be \$200,340 for 2023/2024 Financial Year if carbon neutrality was sought. The Sustainability and Climate Action team are currently looking to procure a platform that will allow calculation of its scope 3 indirect emissions and develop a carbon offset strategy that will inform the City's Executive and Elected Members on the full carbon emission inventory, reduction success and offset exposure in the coming year.

## APPENDIX A

Progress updates for the 110 actions in the Corporate CAP are summarised in the following tables, for work during the July 2023 – June 2024 period. The measures of success and updated timeframe for each action are also noted. Actions are grouped in their themes, with the objectives for each in the body of the report.

### Understanding the progress update status

- **Not started:**

Work has not started on this action and it will progress in accordance with the timeframe allocated.

- **Planning:**

A work plan is in development for how this action will be implemented.

- **Implementation:**

Work is progressing and expected to be completed on schedule.

- **Complete:**

Work is complete or has reached practical completion and the deliverable is in use.

- **Deferred:**

Work has encountered significant challenges and is unlikely to be completed on schedule.

- **Retired:**

Action retired due to change in circumstances means it is no longer relevant to pursue.





## Advocacy

Table 1: Advocacy actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
State Government Advocacy - biodiversity	Advocate to National and State level governments to protect and enhance the biodiversity of our environment and natural assets.	Write to and meet with National and State Government representatives at least once annually to advocate for this action.	Implementation	Meetings scheduled with the Minister for Energy, the Environment and Climate Change. Letters sent to Local members and Minister.	Ongoing
State Government Advocacy - Climate Adaptation Strategy	Engage with the WA State Government on their Climate Adaptation Strategy.	Write to and meet with National and State Government representatives at least once annually to advocate for this action.	Implementation	City staff attended WALGA session on climate statement. Meetings scheduled with the Minister for Energy, the Environment and Climate Change. Letters sent to Local members and Minister.	Ongoing
Advocacy - Emergency Services Climate Response	Working with emergency response agencies to improve the understanding of how climate change will impact emergency preparation, response, and recovery activities.	Write to and meet with National and State Government representatives at least once annually to advocate for this action.	Implementation	The Sustainability and Climate Action Team have presented to the Local Emergency Management Committee (LEMC) on the City's VRO Assessment and had it discussed. Scoping a climate adaptation stress test project for FY 25/26 that will involve Emergency response Agencies and their respective modelling.	Ongoing

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
State Government Advocacy - Strategic Asset Management for Climate Change	Advocate to State and National Governments for improved tools and responses in strategic asset management to address the impacts of climate change.	Write to and meet with National and State Government representatives at least once annually to advocate for this action.	Implementation	Meetings scheduled with the Minister for Energy, the Environment and Climate Change. Letters sent to Local members and Minister.	Ongoing
State Government Advocacy - Climate Emergency	Advocate to the State Government to declare a climate emergency and act in accordance with climate science projections for RCP 8.5.	Write to and meet with National and State Government representatives at least once annually to advocate for this action.	Not started	No action this year.	Ongoing

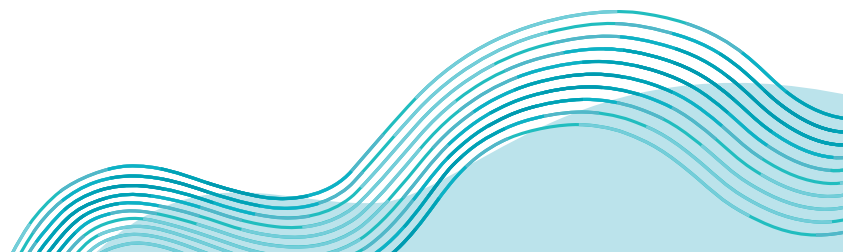


## Built environment

Table 2: Built environment actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Water Sensitive Urban Design principles	Implement Water Sensitive Urban Design principles in City projects.	Integration of WSUD principles in relevant new City projects to achieve reductions in potable water consumption.	Implementation	Key projects implementing WSUD principles this year include the Strand (water gardens and permeable paving) and Murdoch Drive Shared Path (water gardens). The Evershed Stormwater reuse project enabled surface water harvesting for reuse in road construction, tree watering, road sweeping and drain cleaning, including an innovative storage system bag which holds 140,000 litres.	Ongoing
LeisureFit Upgrades	Upgrades to Leisure Fit centres to improve energy and water efficiencies.	Achieve reductions in energy and water consumption associated carbon emissions from pre-construction levels (FY 22/23 for LF Booragoon).	Implementation	<p>LeisureFit Booragoon work underway and includes:</p> <ul style="list-style-type: none"> <li>• Gas hot water will be removed and replaced with electric (All domestic hot water system now electric)</li> <li>• Hydro pool sources hot water from electric system instead of gas</li> <li>• Updated BMS to have better control and oversight of the HVAC system</li> <li>• Replaced the pool control panel to have better control and oversight</li> <li>• All lighting to pool halls and associated public changerooms has been replaced with LED</li> <li>• Working on a Master Plan for the upgrade remaining parts of the Centre including the replacement of the gas boiler</li> <li>• Water efficient fittings and automatic turn off</li> </ul> <p>No current program of works at LeisureFit Melville.</p>	Ongoing

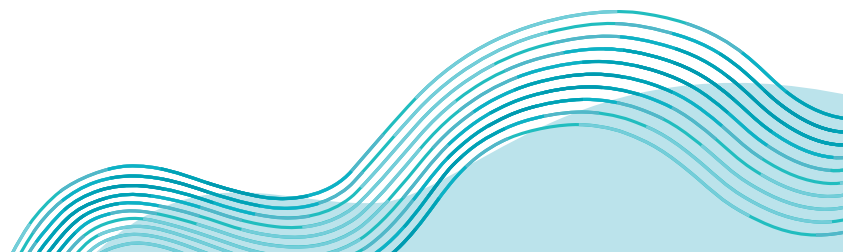
Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Low Emission Material Procurement	Trialling procurement of low-emissions materials in City projects.	Maintain the ongoing use of low-emission materials in City projects by establishing a standard for the procurement and use of low emission materials in City projects.	Implementation	The percentage weighting for local, disability, aboriginal and sustainable businesses has been consolidated and increased to 20% for procurement evaluation which is assessed by the newly set up Social Procurement Committee. Successful engineering projects using low-emissions material include Davy St and Preston Pt Rd using recycled asphalt in road rehabilitation with in-situ stabilisation and Farrington Rd includes 10% recycled asphalt with crumb rubber from tires in surfacing.	Ongoing
Track emissions from trenchless technology for drainage pipe rehab	Drainage pipe rehabilitation by trenchless technology.	Drains continue to be upgraded on an ongoing basis using the trenchless technology method and emissions savings are validated and reported on.	Implementation	Ongoing program of works. Reduction in emissions associated with the technology not investigated at this stage.	Ongoing
Road Surface Enrichment Program	Road surface enrichment program – cost effective and lower emissions pavement treatment that extends the life of road surfaces and therefore saving on embodied emissions.	A reduction in road maintenance costs and a decrease in embodied emissions through the extended lifespan of treated road surfaces.	Implementation	Ongoing investigation into a suitable asphalt rejuvenation product that reduces island heat effect for use in engineering works.	Ongoing





Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Ecologically Sustainable Development Principles	Increase awareness and implementation of Ecologically Sustainable Development design principles and energy efficiency criteria for new and refurbished City facilities.	Develop catalogue of key fittings and fixtures for improved ecological sustainability (e.g. water efficiency).	Implementation	All new projects and refurbishments of City assets comply with ESD principles in Section J of the NCC. Future project to create a catalogue of new fittings and fixtures to ensure enhanced ESD considerations to improve water and energy efficiency.	Ongoing
Gully Infill program	Implementation of gully infill program to increase storage capacity of the drainage network and thereby reduce flooding incidences in line with Water Sensitive Urban Design principles.	Complete yearly gully infill program.	Implementation	Ongoing gully infill program.	Ongoing
Green Building Council Performance Audit	Perform an audit across the building portfolio using the Green Building Council Australia Performance framework to identify potential emission reductions and resilience against extreme weather. Implement outcomes of audits following review of cost/emissions benefit.	Complete GBCA rating submission for 4 CoM buildings and implement improvements based on financial and carbon emission reductions.	Planning	The City has engaged Full Circle Design Services Pty Ltd to audit four main facilities: LeisureFit Booragoon, LeisureFit Melville and AH Bracks, Civic Centre Offices and Library and Shirley Strickland. The results will be used to identify improvements in other City buildings.	2023-2024 2024-2025

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Infrastructure Audit	Undertake an infrastructure audit to enhance climate resilience.	Complete a comprehensive identification of infrastructure enhancements that significantly improve the infrastructure's resilience to climate change for City facilities located in areas of greater risk of climate change impact.	Planning	Updated the Stormwater Strategy with flooding from future climate scenarios considered. Business as usual works with DBCA when installing new paths to avoid or stay away from the foreshore due to risk of inundation. Future work to investigate scope for infrastructure audit, building on the climate vulnerability, risk and opportunity assessment information from 2023.	2024-2025 2025-2026
Sustainable buildings and material checklist	Compile a sustainable buildings and material checklist for all new projects and maintenance projects on City buildings.	Create a checklist of questions that prompt users to consider various sustainable building processes and materials at the project planning stage.	Not started	No action this year.	2024-2025
Update Asset Management Plans	Update City asset management plans to include climate change considerations and to help manage insured risks.	Asset Management Plans updated.	Not started	No action this year. Climate risks are considered as part of existing plans however an overarching update will occur once the infrastructure audit is completed.	2025-2026 2026-2027





## Education and Awareness

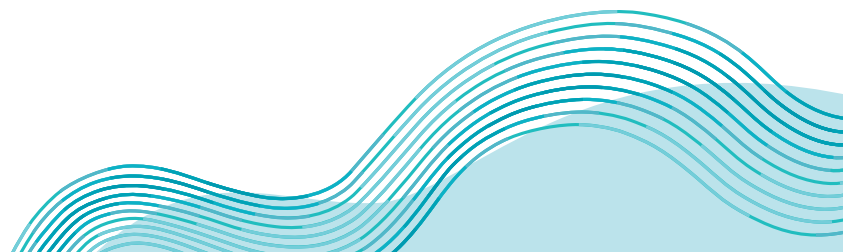
Table 3: Education and Awareness actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Water Sensitive Urban Design principles	Implement Water Sensitive Urban Design principles in City projects.	Integration of WSUD principles in relevant new City projects to achieve reductions in potable water consumption.	Implementation	Key projects implementing WSUD principles this year include the Strand (water gardens and permeable paving) and Murdoch Drive Shared Path (water gardens). The Evershed Stormwater reuse project enabled surface water harvesting for reuse in road construction, tree watering, road sweeping and drain cleaning, including an innovative storage system bag which holds 140,000 litres.	Ongoing
LeisureFit Upgrades	Upgrades to Leisure Fit centres to improve energy and water efficiencies.	Achieve reductions in energy and water consumption associated carbon emissions from pre-construction levels (FY 22/23 for LF Booragoon).	Implementation	<p>LeisureFit Booragoon work underway and includes:</p> <ul style="list-style-type: none"> <li>• Gas hot water will be removed and replaced with electric (All domestic hot water system now electric)</li> <li>• Hydro pool sources hot water from electric system instead of gas</li> <li>• Updated BMS to have better control and oversight of the HVAC system</li> <li>• Replaced the pool control panel to have better control and oversight</li> <li>• All lighting to pool halls and associated public changerooms has been replaced with LED.</li> <li>• Working on a Master Plan for the upgrade remaining parts of the Centre including the replacement of the gas boiler.</li> <li>• Water efficient fittings and automatic turn off</li> </ul> <p>No current program of works at LeisureFit Melville.</p>	Ongoing

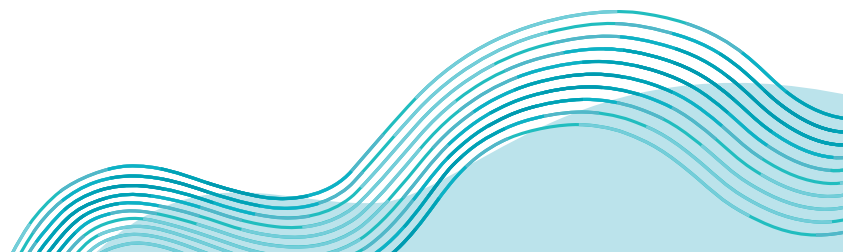
Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Low Emission Material Procurement	Trialling procurement of low-emissions materials in City projects.	Maintain the ongoing use of low-emission materials in City projects by establishing a standard for the procurement and use of low emission materials in City projects.	Implementation	The percentage weighting for local, disability, aboriginal and sustainable businesses has been consolidated and increased to 20% for procurement evaluation which is assessed by the newly set up Social Procurement Committee. Successful engineering projects using low-emissions material include Davy St and Preston Pt Rd using recycled asphalt in road rehabilitation with in-situ stabilisation and Farrington Rd includes 10% recycled asphalt with crumb rubber from tires in surfacing.	Ongoing
Council Reports Update	Inclusion of sustainability implications section in all Council reports.	Incorporate section into Council report documentation.	Completed	Sustainability implications section and guidelines developed and implemented in October 2023.	2023-2024
Climate Action Governance Advisory Group	Internal Climate Action Climate Action Governance Advisory Group continues oversight on carbon neutral related actions.	Meet with Executive on quarterly basis annually to report on emission reduction and status of actions in the Corporate and Community Climate Action Plan.	Planning	Regular updates on progress of the Community and Corporate Climate Action Plans provided to executive and elected members in 2023/2024. Terms of reference have been redrafted for this advisory group. The reformed group is expected to meet for the first time in October 2024.	Ongoing
Staff Training - active transport	Educate and support staff to transition to active transport modes including supporting Ride to Work day, providing e-bikes at City facilities for staff use and providing Smart Riders for public transport use.	Increase staff utilisation of fleet electric bicycles and public transport Smart Riders during the workday via education and communication activities.	Implementation	Continued promotion of e-bikes and smart riders for staff to use via internal communication channels.	Ongoing



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Switch Your Thinking and Cities Power Partnership Stakeholders	Switch Your Thinking and Cities Power Partnership membership with other Local Governments locally and around Australia.	Continue our partnership with external organisations to facilitate knowledge sharing and partnerships.	Implementation	City offices engaged in regular knowledge sharing and capacity building workshops with Switch Your Thinking, Cities Power Partnership, Climate Emergency Australia and via WALGA groups. City officers presented on the Carbon Accounting progress that the City has made to other Councils.	Ongoing
Murdoch University partnership	Continue Murdoch University partnership to undertake innovative projects and share lessons.	Enter into new HOA and MOU with Murdoch University in FY24/25.	Implementation	The value of the works being undertaken by Murdoch University is under assessment with the Heads of Agreement currently being reviewed for execution in the new financial year.	Ongoing
Internal Education, Engagement & Communication	Develop an internal climate action engagement, education and communication plan that may include additional training for staff and Elected Members.	Development of education, engagement and communications plan.	Implementation	Internal engagement and education plan under development with a focus on change management principles. Investigation of multiple staff and elected members training options to be completed in 2024. Staff in the Sustainability and Climate Action and City Buildings and Projects teams completed Green Star foundations training. Continued staff engagement via multiple communication channels as per communications plan included launch of Sustainability Action Hub on staff intranet, climate corner in monthly newsletter and ad hoc posts on teams, intranet and staff whiteboards to promote events and education.	Ongoing



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Staff training - Climate Action	Enhance staff awareness of carbon considerations in decision making, project design and procurement for the City's services and operations and gradually strengthen this criterion.	Increased communication of climate action via staff communication channels.	Planning	Regular staff communications and education via Sustainability Action Hub, monthly newsletter and ad hoc posts on teams and intranet as updates made.	Ongoing
Supplier Procurement Training	Investigate including sustainable procurement awareness into Council's training or education program for suppliers.	Incorporate details into supplier training material.	Completed	Details on the City's mandatory 20% weighting for sustainability included in supplier workshop held at the City open for all suppliers to attend and ongoing material shared to suppliers when completing tenders.	2023-2024
Climate Action Plan tracking and reporting	Providing Council and the community with annual updates on the progress in implementing the Corporate Climate Action Plan and achieving emissions reduction targets.	Develop a climate action tracking system and associated communication material to report regularly on the CAP progress.	Implementation	We are developing an internal climate action tracking system to enable staff across the organisation to provide regular progress updates on actions, streamlining the process and supporting the Climate Action Governance Advisory Group oversight of the plan. When complete, this will be available to staff and elected members to view, with a community version also in development. Reported.	Ongoing





Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Staff Training - Extreme events	Train and communicate with employees on how to respond to heatwaves, floods, air quality issues and other climate events at work to stay healthy and safe.	Develop operational policy for staff and communication plan.	Implementation	Existing communication to staff when extreme events are declared highlights actions to take to remain staff. Creation of Heat Stress Policy underway.	2024-2025
Building Operational Training	Provide fact sheets and training to staff and stakeholders who use City buildings and facilities, promoting efficient management to reduce energy, water and waste emissions.	Training material and collateral deployed to staff and stakeholders.	Planning	Internal audits and carbon budgets completed for City buildings to identify opportunities for improvements. Training material to be developed in 2024/25.	2023-2024 2024-2025
PLEEC transformation	Transform Piney Lakes Education Centre into a Climate Innovation and Environmental Hub, fostering collaboration and dialogue among national and state authorities, Local Governments, businesses, the community, and civil society to advance climate change initiatives.	Update Piney Lakes Environmental Education Centre.	Planning	Consolidation of City's educational resources and review of Sustainability and Environmental Education Program delivery to best support community needs occurred in 2024. Ongoing work to update Piney Lakes Environmental Education Centre underway.	2023-2024 2024-2025 2025-2026 2026-2027 2027-2028

## Emissions Reduction

Table 4: Emissions Reduction actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Smart LED Street Light	Progressing the Smart LED Street light program to support the transition towards energy-efficient lighting.	Upgrade streetlights we have control over to LED.	Implementation	Previous Smart LED Streetlight program completed as a trial. Investigating further roll out in conjunction with Western Power program.	Ongoing
LED Lighting retrofits with Western Power	LED lighting retrofits on streetlights project with Western Power.	Work with Western Power on their LED Streetlight program.	Implementation	Advocacy to the Smart LED streetlights with Western Power consortium undertaken.	Ongoing
Solar PV on City Buildings	Installation of solar PV on council facilities with plans to install more across other facilities such as sporting clubs, community halls etc.	<ol style="list-style-type: none"> <li>1. Complete existing solar PV roll out program.</li> <li>2. Complete future roll out program of works development.</li> </ol>	Implementation	Completed installation of 560kW of solar PV on 11 Council facilities in 2023/2024. The City is investigating the facilities that will best benefit from future solar PV and batteries installation based on cost and carbon emissions savings in the future.	Ongoing
Energy efficient appliance installation	An ongoing program to purchase and install more energy efficient appliances including HVAC systems on the City's facilities.	Establish a program of works to replace aged HVAC systems with more energy efficient systems.	Implementation	An ongoing program has commenced to purchase and install more energy efficient HVAC systems on the City's facilities. A program to purchase more energy efficient other appliances is in progress.	Ongoing



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
ICT sustainable equipment purchase	Follow the hierarchy of waste for Information and Communications equipment: Reduce equipment needed, reuse equipment where possible, recycle at end-of-life.	Sustainability and carbon neutral measures are followed for the purchasing of information and communications equipment.	Implementation	All purchasing & disposal decisions are made with sustainability in mind or more formally in procurement documentation. Actively working to minimise our physical hardware footprint through transitioning to software as a Service and Platform as a Service offerings and utilising public cloud environments. Donation of functional equipment to community groups.	Ongoing
Identify scope 3 & community emissions reduction opportunities	Influencing the reduction of scope 3 and community emissions throughout the City's value chain through educational initiatives, engagement efforts and the implementation of sustainable procurement policies.	Introduction of mandatory 20% sustainability weighting on all procurement across the City. Post development of a scope 3 emission inventory, implement a 5% reduction in baseline boundary emissions per annum (Not inclusive of new capital projects).	Planning	The percentage weighting for local, disability, aboriginal and sustainable businesses has been consolidated and increased to 20% for procurement evaluation which is assessed by the newly set up Social Procurement Committee. The City is currently undertaking a process to procure a carbon accounting platform that will allow for the reporting of direct emissions and the capture and calculation of scope 3 indirect emissions in FY 24/25.	Ongoing
Sustainability procurement checklist	Review the percentage weighting for the carbon footprint of suppliers of goods and/or services in the procurement process.	Review and select a robust percentage weighting for sustainability in the procurement process.	Completed	The percentage weighting for local, disability, aboriginal and sustainable businesses has been consolidated and increased to 20% for procurement evaluation which is assessed by the newly set up Social Procurement Committee.	Ongoing



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Solar parking meters	Convert City parking meters to solar power.	All suitable parking meters in the City are operated using solar power.	Completed	All suitable parking meters are solar powered.	2023-2024
Smart LED floodlights	Smart LED floodlight replacement.	All available floodlighting in the City has been replaced with LEDs and is operated using a smart control system.	Implementation	Webber Reserve, Winnacott Reserve, Beasley Reserve, Bill Ellson Reserve floodlights have been upgraded recently.	Ongoing
Circular Economy Approach - City Operations	Implement a circular economy approach for all streams of waste in City operations, including FOGO roll out and meeting the targets set in the Strategic Waste Plan 2021-2025.	High resource recovery rate -70% by 2025 and 80% waste diversion by 2030 as per State waste strategy.	Implementation	Diverted 65.8% of waste from landfill across all streams (including residential and commercial, bulk verge collections and public drop off days). Continued roll of 3 bin system across City buildings.	Ongoing
Reduce emissions from resource recovery trucks	Ongoing upgrade of resource recovery and waste trucks in line with the procurement policy to purchase the best environmental and sustainability standard of vehicle on changeover.	Resource recovery and waste trucks are purchased in line with the City's Procurement Policy to purchase the best environmental and sustainability standard of vehicle on changeover.	Implementation	Resource recovery and waste trucks are purchased in line with the City's Procurement Policy to purchase the best environmental and sustainability standard of vehicle on changeover. All new trucks are EURO 6 and the fleet transition plan reviews industry standards.	Ongoing

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Track City's Scope 1, 2 & 3 emissions	Conducting annual measurements of CO <sub>2</sub> emissions and track progress towards emissions reduction targets for scope 1, 2 and where feasible, scope 3 to align with the City's goal of Carbon Neutrality by 2030.	Complete inventory of scope 1 & 2 is undertaken and reported on annually. Scope 3 inventory within the chosen organisational boundaries is undertaken and reported on.	Implementation	Scopes 1 & 2 excluding refrigerants have been calculated for financial years 2021/2022 and 2022/2023. This data for 2023/2024 is currently being cleansed. Invoice data is being categorised into relevant scope 3 categories and this will lead to organisational boundaries for scope 3 being identified.	Ongoing
Dynamic monitoring of City buildings & infrastructure	Continuously collecting baseline data and monitoring emissions in existing and future City buildings and infrastructure to enable effective performance management.	Provide a means for facility managers to dynamically monitor and manage building performance - e.g. using BMS, hardware /submeters + dashboard, others.	Implementation	Grant funding from the Community Energy Upgrade Fund has been sought for Building Management System (BMS) upgrades to the Civic Centre and Operations Centre.	Ongoing
Waterwise Re-endorsement	Continue involvement in the Water Corporation's Waterwise Council program, conducting regular water audits and adopting innovative approaches to water management-current Gold status.	Retain Gold Waterwise Council endorsement.	Implementation	Re-endorsed by Water Corporation as a Waterwise Gold Council in October 2023.	Ongoing



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Zero Emissions Renewable Energy Microgrid	Partnership with Murdoch University on a Smart Grid Paralleled Mode Micro-grid project involving installation of smart metering technology for our major facilities.	<ol style="list-style-type: none"> <li>1. All deliverables associated with existing Murdoch University projects are issued to the City</li> <li>2. The Memorandum of Understanding / Head Collaboration Agreement is reviewed and renewed in-line with the City's best interests.</li> </ol>	Implementation	The Smart Grid Paralleled Mode Micro-grid project has concluded and the Zero Emissions Renewable Energy Microgrid project is due to conclude end-July 2024. The City is currently reviewing its relationship/agreements with Murdoch University for an ongoing partnership.	2023-2024 2024-2025
Green power 3-year 100% WALGA	From 1st July 2022, the City is part of the 3-year WALGA Sustainable Energy Project where 100% green power for all of the City's 20 contestable sites (sites which use more than 50MWh p.a.).	Purchase of Green Power across 21 contestable sites.	Completed	Green energy purchased for 21 contestable sites for a 3 year period ending in March 2025.	2023-2024 2024-2025
Smart Irrigation/ Dynamic control for irrigation	Continue to assess and improve irrigation practices to enhance water and energy efficiencies.	Achieve sustainable use of annual groundwater abstraction and energy consumption with improved irrigation practices and technology while maintaining POS.	Implementation	Delivery of 23/24 Capital works program included: Seasonal pump audit to ensure efficiency, Whole of park irrigation infill and cubicle update.	Ongoing

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Electrifying small plants equipment	Assess and improve efficiency practices for tools powered by fossil fuels, while planning for their future transition to renewable power as suitable technology becomes available.	<ol style="list-style-type: none"> <li>1. Establishing a transition program/ schedule for all small plant used by the City.</li> <li>2. Implement the transition of all small plant to low emission / electric alternatives.</li> </ol>	Planning	Engaged a consultant who is currently establishing a ten year fleet asset replacement program which includes small plant to support the City's carbon neutral by 2030 target.	2023-2024 2024-2025
Maximise Renewable Energy Generation	Maximise the City's renewable electricity generation, explore a renewable energy microgrid, optimise energy use through demand management and the existing dashboard.	Implement trial enhanced BMS/EMS systems at Civic, Ops and LFM in FY24/25. See a reduction in consumption across City Buildings of at least 5% per annum through to 2030. Not inclusive of new builds.	Implementation	The City has made a grant application to the Community Energy Upgrade Fund to procure the projects detailed in the measure for success. It is expected that the City will find out if it has been successful in September 2024.	2023-2024 2024-2025
Sustainable Events Policy	Implement a Sustainable Events Operational Policy for Council events.	Development of Sustainable Events Operational Policy for Council events.	Implementation	A review of the existing low waste sustainable event checklist has been completed with updates suggested. Other Council policies assessed and policy drafted for review by relevant service areas.	2023-2024 2024-2025
Reduce emissions through the pre-booked verge collection system	Implement the pre-booked verge collection system to reduce emissions from waste collection.	Pre-Booked verge collection system is implemented.	Completed	Pre-booked verge collection system implemented in 2023. Emissions from waste collection are reduced, as have the bulk and garden organics tonnages, and the mattresses and whitegoods. E-waste and scrap steel recovery has increased, but once the collection has been established for a year, we will have more conclusive data to compare.	2023-2024 2024-2025

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Green Energy Options	Investigate green energy purchasing options once current WALGA agreement expires.	A cost assessment of green energy purchasing has been completed and compared with the cost of investing into direct emissions reduction through instalment of renewables. A decision is made by the City as to purchasing future green energy or use the funds to purchase more solar PV.	Implementation	A cost assessment of green energy purchasing has been completed and compared with the cost of investing into direct emissions reduction through instalment of renewables. Post the completion of the WALGA green energy procurement assessment in early 2025 the City will determine the best value for money outcome, taking into consideration the 2030 carbon neutral target.	2023-2024 2024-2025
Carbon budget for service areas using MAC curves	Set an annual carbon budget for service areas based on the marginal cost of abatement for actions.	Ongoing quarterly workshops are held with service areas. Carbon budgets are produced within 4 weeks of the workshops and sent to service areas. Reporting on the budgets are given to elected members through the EMES.	Implementation	Workshops with service areas to compile their carbon budget for financial year 2023/2024 were held and budgets produced. Ongoing quarterly workshops will be held with Service Areas. Out of hours audits of facilities have been completed and results fed into the upcoming carbon budgets. Workshops are currently underway and new budgets will be produced for the Q1 FY24/25 process around mid-late August.	Ongoing
Sustainable procurement weightage	Provide greater consideration given to suppliers using recycled, environmentally friendly, locally or First Nations produced materials or food.	Inclusion of weighted criteria in relevant procurement processes.	Completed	The percentage weighting for local, disability, aboriginal and sustainable businesses has been consolidated and increased to 20% for procurement evaluation which is assessed by the newly set up Social Procurement Committee.	2023-2024



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Staff training - Waste Wise Melville	Establish Waste wise Melville staff audit and training program.	Education program for staff and baseline plastic waste data collected for City office locations.	Completed	Plastic Oceans Australia program ran from July 2023 - August 2024, including audits, staff survey, educational material and procedure updates. Ongoing staff education activities planned.	2023-2024 2024-2025
Local offsets	Investigate local offsets in the City's supply chain such as renewable energy generation, storage and bio-sequestration on City land.	The development of an offset strategy which considers local offsets such as renewable energy generation, storage and bio-sequestration.	Planning	The scope for procurement of a consultant is in development.	2024-2025 2025-2026 2026-2027
Grid-interactive Buildings	Integrate smart technologies (demand management technology) to create grid-interactive efficient buildings.	<ol style="list-style-type: none"> <li>1. Establish a feasible precedence for demand management technology on City facilities to enhance their energy efficiency measurable with lower electricity consumption/bills.</li> <li>2. Create capacity demand management plans with facility managers/team leaders to enhance BAU building operation.</li> </ol>	Planning	Undertaking a feasibility study of a subset of City facilities with existing smart technologies to identify and implement opportunities for improvement.	2023-2024 2024-2025 2025-2026 2026-2027
Third-party verification of City's carbon account	Investigate third party verification of the City's greenhouse gas emission statements in line with ISO 14064-3:2019.	Options, methodology and costs associated with 3rd party verification of the City's GHG emissions have been compiled in a report.	Planning	Feedback on verification has been obtained from several suppliers of Climate Active certification. Compilation of this data is in progress.	2023-2024 2024-2025 2025-2026 2026-2027

## Financing

Table 5: Financing actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Green Ethical Investment	Maintain a preference for green/ethical investments in the City's investment portfolio, balanced with return on investment.	Adherence to the Investment Policy.	Implementation	Ongoing adherence to the Investment Policy where at least 20% of investments are via ethical portfolios. Ongoing discussions with banking institutions to align with their ethical investment products.	Ongoing
Sustainability Revolving Fund Implementation	Implementation of the Sustainability Revolving Fund - using the Organisational Environmental Sustainability Reserve.	Establish fund.	Completed	Fund established.	Pre-June 2023
Sustainability Revolving Fund review	Review and update the City's sustainability revolving fund to allow savings from sustainability initiatives to fund future initiatives.	Conduct review of the fund's use.	Not started	No action this year.	2024-2025

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Sustainable City events	Investigate the establishment of a sustainability grants fund for City-run events to procure sustainable items like reusable cups and water fountains.	Investigate establishing a sustainable grants fund for City run events or activities to access.	Not started	No action this year.	2024-2025
Grants for City Work	Explore and increase awareness of grant opportunities for supporting climate change mitigation and adaptation projects undertaken by the City.	Increase successful grants awarded to the City to support climate action work.	Implementation	Received two grants to support the fleet transition to electric vehicles and awaiting details of a third grant under review for building upgrades.	Ongoing
Carbon emissions integrated into Financial Services system	Explore the integration of carbon emission data into the Financial Services system for systematic and transparent carbon accounting.	An assessment is made as to the suitability and practicality of carbon emissions across scopes 1, 2, and 3 residing within the FinanceOne system or if an alternative approach is required.	Implementation	A trial of the City's 20 major suppliers reporting their emissions on their invoices was undertaken at the end of 2023. Procurement process underway for carbon accounting software to assist with integration into Financial Services systems.	2023-2024 2024-2025
Project Sustainability Costs	Investigate allocating a percentage of project costs for sustainability initiatives in all business cases.	Investigation complete.	Not started	No action this year.	2024-2025



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Climate Positive Costing	Identify additional costs associated with transitioning to climate positivity rather than climate neutral by 2030.	Retire action.	Retired	Action has not been started as this element has been removed from the Policy.	2023-2024
Climate Related Financial Disclosures	Investigate the reporting of climate-related financial information following the Taskforce on Climate-Related Financial Disclosures framework.	A method for the City to report on climate-related risks and opportunities is identified and used for Climate Related Financial Disclosure.	Planning	Staff attending education sessions to stay abreast of developments in this space.	2023-2024 2024-2025 2025-2026 2026-2027

## First Nations

Table 6: First Nations actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
First Nations Programs	Continue to foster collaboration with First Nations groups to engage their expertise and understandings in enhancing land and natural asset management practices, including but not limited to initiatives like the First Nations Rangers Program.	Continue to engage with First Nations knowledge holders on key projects Maintain First Nations trainee placement.	Implementation	First Nations trainee staff in NAP team. Key projects engaged with First Nations groups include: Goolagatup Heathcote (Lowerlands) Dyoondalup Point Walter Bike Track Esplanade Public Open Space Melville Beach Road.	Ongoing
Safeguard culturally significant City sites against climate change impacts	Identify avenues to safeguard culturally significant sites located on City managed land that are vulnerable to the impacts of climate change.	Align with Heritage Act and consult with First Nations stakeholders as required.	Implementation	Management of identified culturally significant sites delivered through ongoing annual program guided by Natural Area Reserve Management Plans.	Ongoing
First Nations Land Management Practices	Investigate integrating First Nations land management practices into existing land management strategies to reduce vulnerability to bushfires and protect native species.	Complete investigation of integration.	Not started	No action this year.	2025-2026 2026-2027

## Habitat Protection

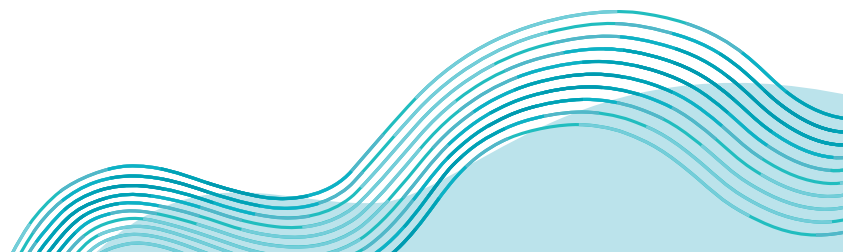
Table 7: Habitat Protection actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Urban Forest Strategy Implementation	Enhance canopy cover, habitat, and ecological connectivity on public and private land through the implementation of the updated Urban Forest Strategy.	Review of Strategy endorsed by Council.	Implementation	Urban Forest Strategy Review complete and proceeding to Council for endorsement in October 2024. Planted 2,000 trees per year through expansion and succession programs, more than 23,000 seedlings and 8,045 of mature stock in our natural areas and more than 6,000 trees in our natural areas, streetscapes and parks.	Pre-June 2023 2023-2024 2024-2025
Landscape Renewal Planning	Continue to develop planting and landscape renewal plans for urban greening, parks, gardens and public domains that factor in changing rainfall, flooding, storm and drought patterns and consider species adaptability to climate change.	Renewal planting and plans consider climate adaptive approaches.	Implementation	Ongoing in Capital Works and other projects including: Dyoondalup Bike Path, Ogilvy Streetscape, Bob Gordon, Infill program.	Ongoing



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Resilient Ecosystems - management	Continue flora and fauna monitoring, implement weed and pest management and employ best practices for maintaining resilience and ecosystem function in natural areas.	Five yearly management plan reviews (with field surveys) to assess KPI performance and ecosystem change over time.	Implementation	Ongoing annual program guided by Natural Area Reserve Management Plans. Ongoing partnership with Murdoch University for Conservation Action Plan for Black Cockatoos, with monitoring and data collection to identify suitable locations for plant flora for future roosting and food sources for these birds.	Ongoing
Frederick Baldwin Lake Monitoring	Environmental monitoring at Frederick Baldwin Lake case study.	Understand the manmade lake's ecology and routinely monitoring water quality parameters across seasons to enable proactive and reactive management actions to mitigate the impacts of any algal blooms and botulism outbreaks.	Completed	Project completed and findings integrated into ongoing management of the lake and other ecosystems in the City.	Pre-June 2023 2023-2024
Resilient Ecosystems - wetlands	Continue to implement wetland and conservation area monitoring, restoration and adaptive management practices in key selected areas to enhance resilience and ecosystem function.	Five yearly management plan reviews (with field surveys) to assess KPI performance and ecosystem change over time.	Implementation	Ongoing annual program guided by Natural Area Reserve Management Plans. Extra street sweeping conducted this year to reduce waste and nutrient runoff into Booragoon, Blue Gum and Piney Lakes wetlands.	Ongoing

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Increase Habitat for native Pollinators	Continue to enhance the habitat of indigenous plant pollinators to increase invertebrate diversity and densities on City land.	Fauna survey data shows increase.	Implementation	Fauna surveys for natural areas updated on a rotating 5 yearly basis.	Ongoing
Explore Nature Based Solutions to Climate Change	Explore nature-based solutions as protective measures against climate change and disasters, particularly in areas of flooding and riverine erosion and implement the City's foreshore management plan.	Five yearly management plan reviews (with field surveys) to assess KPI performance and ecosystem/foreshore change over time.	Implementation	Ongoing through the Stormwater strategy and Foreshore strategy. Key project in 23/24 included Melville Beach Road - Brush walling and path closure and foreshore work at Blackwall Reach and Waylen Bay. Foreshore Restoration Strategy renewal has commenced; with new additions to the strategy to a community survey on the foreshore, First Nations inclusion and tree health surveys.	Ongoing
Climate Change Projections in Environmental Management Plans	Incorporate climate change projections in the review of environmental management plans and policies.	Climate change included in all Natural Area Management Plans when they are reviewed.	Implementation	Ongoing annual program guided by Natural Area Reserve Management Plans, updated management plans for Wireless Hill, Booragoon and Blue Gum.	Ongoing



Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Carbon sequestration opportunities	Explore options for carbon sequestration projects with local land, coastal/ foreshore and wetland sites with local Registered Aboriginal Parties, private landowners, community groups and other Councils/ agencies.	Investigation into sequestration potential completed.	Implementation	Sequestration projects by other organisations have been investigated and compiled into a report to inform City's options.	2023-2024 2024-2025
Investigate Dry Parks	Investigate developing a pathway to transition to dry parks where suitable including an extensive community engagement process.	Complete investigation into implementation.	Planning	Investigative work undertaken, awaiting prioritisation and budget feedback from Council.	2023-2024 2024-2025 2025-2026 2026-2027



## Policies and Planning

Table 8: Policies and Planning actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Emergency Services Climate Response	Collaborate with emergency response agencies to enhance understanding of the impact of climate change on emergency preparation, response and recovery efforts.	Executive support for the creation of an emergency risk plan.	Not started	Presentation to LEMC in June 2024 on climate risks.	2025-2026
Corporate Strategic Planning includes sustainability	Integration of sustainability into the City's strategic documents and plans.	Inclusion of and reporting against a sustainable framework in the City's highest level strategic and legislative document - Council Plan. This incorporates the Strategic Community Plan and Corporate Business Plan.	Completed	The City's Council Plan for the Future 2024-2028 was developed in 2023/2024 and adopted in July 2024 with each key outcome area set against a sustainable framework: Social - Healthy, Safe and Inclusive; Environment Natural - Clean and Green; Environment Built - Sustainable and Connected Development; Economic - Vibrant and Prosperous; Governance - Good Governance and Leadership; Climate Action Policy updated in 2024.	2023-2024
Local Planning Scheme review	Review of Local Planning Scheme and Strategy includes sustainability as a key theme.	Future draft scheme is approved by Council and Minister, with suitable provisions responding to sustainability outcomes.	Implementation	Local Planning Scheme 6 review continuing. Sustainability is a key theme.	Pre-June 2023 2023-2024 2024-2025 2025-2026 2026-2027

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Business Case Sustainability Value test	Inclusion of the quadruple bottom line and sustainable value test in all business case applications.	Inclusion of the quadruple bottom line and sustainable value test in all business case applications.	Planning	Numerous workshops have been held with Service Areas across the City to amend the Business Case template, specifically the sustainability value test component.	2023-2024 2024-2025
Climate Change Science & VRO update	Remain up to date with climate change science impacts for the region and conduct the Climate Vulnerability, Risk and Opportunity assessment every 3-5 years.	Remain up to date with climate change science impacts for the region and conduct the Climate Vulnerability, Risk and Opportunity assessment every 3-5 years.	Implementation	City staff attended the Climate Emergency Australia conference virtually. City staff shared the Climate Vulnerability, Risk and Opportunities report findings with the Local Emergency Management Committee. Continual involvement in the Climate Emergency Australia, WALGA and Switch Your Thinking network sharing activities.	Ongoing
Attraction and Retention of staff	Attract and retain staff to work at the City based on Sustainability & Climate Action leadership.	Attract: Via staff surveys have sustainability in the top 5 reasons for new starters at the City. Review job advertisement information to update sustainability & climate action information. Retain: Develop a method to measure retention of staff related to sustainability & climate action.	Implementation	Climate leadership is now part of the Employee Value Proposition and is included in job interview question templates. Onboarding and in-boarding strategy developed which includes focus on sustainability & climate action for new and existing staff completing the program. Where relevant, job adverts contain information on carbon neutral target and program.	2023-2024 2024-2025

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Climate Change Policies - Risk	Include climate change related risks into relevant risk registers. Revise the Business Continuity Plan, to ensure uninterrupted service provision during extreme events.	1. Ensure climate change-related risks are incorporated into relevant risk registers 2. Update the Business Continuity Plan to effectively address operational and service continuity during extreme events.	Completed	Climate risks included in Strategic & Operational Risk Registers. Impacts of extreme weather considered in the Business Continuity Plan.	2023-2024
Climate Risk Maps	Develop visual maps outlining climate-related hazards and risks to aid staff in planning and communicating activities.	Creation of risk maps for use by staff.	Completed	Risk maps developed and available for staff use in intramaps. These will be reviewed regularly as part of business-as-usual processes.	2023-2024
Sustainability KPIs	Incorporate Sustainability & Climate Action components into job descriptions, operational policies and investigate relevant Key Performance Indicators.	Develop template of goals in PEF program - 10 ideas. Job Description templates reviewed & recommendation made to include sustainability aspect.	Planning	Performance Excellence Framework program for staff developed which includes sustainability as a key component. Individual staff goals in development which may include sustainability related goals. Review of job descriptions and operational policies underway.	2023-2024 2024-2025 2025-2026 2026-2027

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Local Planning Frameworks	Review and update the local planning frameworks to effectively integrate resilience planning mechanisms, low carbon requirements and life-cycle analysis, taking into account the impacts of climate change.	Greater diversity in housing types being built. Normalising of sustainable development initiatives. Review and update of planning policies completed.	Implementation	Preliminary investigation work undertaken on ESD policy, to be presented to Council in early 2025. Significant trees on private land policy preparation and community engagement parameters confirmed. Clauses in State Planning Policy serve to protect and require further planting of trees on private and public land, objective pursued through local planning framework. Local Planning Policy 1.3 Waste and Recyclables Collection for Multiple Dwellings, Mixed Use Developments and Non-Residential Developments was approved by Council in April 2024.	2023-2024 2024-2025 2025-2026 2026-2027
City Staff Working Hours	Review City staff working hours and schedules in response to increased risks posed by climate change, including heat stress.	Create an operational policy for staff working hours during extreme events.	Planning	Heat Stress Policy creation underway to consider these elements.	2024-2025 2025-2026 2026-2027
Bushfire Risk Management Plan	Review the local government Bushfire Risk Management Plan, taking future climate change impacts into account.	Reduction in assessed bushfire risk through completion of annual grant applications through DFES and associated activities.	Implementation	Reporting actions via DFES' Bushfire Risk Management System. Annual program through DFES fuel management grant to complete fuel reduction activities, including Blackwall Reach Firebreak.	2025-2026 2026-2027



## Transport

Table 9: Transport actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Reduce emissions through hybrid working arrangements	Continue to support hybrid work modes to minimise private vehicle travel for employees and elected members.	Develop a plan to provide clarity and targets for WFH agreements as part of the Ways of Working project. Complete a survey of mobile laptop participants on their WFH practices.	Implementation	Ways of Working project begun to guide organisational approach to staff work practices. Formalised work from home agreements in place, monitoring uptake of these. Staff travel survey completed in May 2023 and June 2024 included work from home questions. During 2024, staff at Civic Centre periodically relocating work location due to HVAC replacement project is impacting work from home practices. Elected Members able to remotely attend Council meetings in accordance with the Local Governance Amendment Regulations since 2020.	2023-2024 2024-2025
Transitioning Fleet to EV	Continue the transition of the City's light fleet vehicles to fully electric.	Increase the percentage of the City's light fleet vehicles that are fully electric or low emission vehicles while maintaining operational requirements.	Implementation	Four out of 14 car pool fleet vehicles have been replaced with fully electric vehicles. A total of 3 dual AC chargers have been installed for Fleet use and was co-funded through the WA Charge Up Grant Program. Four (4) additional dual AC and 2 dual DC chargers are pending installation in 2024, which will receive funding from WALGA, ARENA and the WA State Government.	2023-2024 2024-2025 2025-2026 2026-2027 2027-2028
Analyse Fleet GPS Data to improve efficiency	Analyse GPS data from fleet to enhance fleet performance and efficiency.	Complete an analysis of GPS data to determine fleet utilisation as inputs to the fleet asset replacement program.	Implementation	Analysis of GPS data to determine utilisation was undertaken by the Finance Team using 2022 data. Engaged a consultant who is currently establishing a ten year fleet asset replacement program taking into account past report on fleet utilisation.	2023-2024 2024-2025 2025-2026 2026-2027

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Staff Travel Survey	Conduct an annual staff travel survey to monitor changes in commuting practices.	Conduct an annual staff travel survey.	Implementation	Staff travel survey completed in May 2023 and June 2024. The responses are informing our end-of-trip facilities, parking management and fleet transition plan.	2023-2024 2024-2025 2025-2026 2026-2027
Active Transport for staff	Encouraging active transport options for staff to use during the workday by providing fleet bicycles, e-bikes, and public transport Smart Riders. EA3 cross over - SAME ACTION.	Increase staff utilisation of fleet electric bicycles and public transport Smart Riders during the workday.	Implementation	Continued promotion of e-bikes and smart riders for staff to use. 2 electric bicycles and 2 SmartRiders available for staff use during the workday at the Civic Centre.	Ongoing
Electric vehicle fleet and infrastructure	Utilise the cross-sector fleet and operations working group to develop a plan for transitioning the light fleet to electric vehicles and identify suitable locations for EV charging infrastructure on City-owned sites. Update Fleet Asset Management Plan to include electric vehicles, a step up from low emissions vehicle consideration.	<ol style="list-style-type: none"> <li>1. Establish and implement the fleet and small plant asset replacement plan to transition towards low-emission alternatives, including supporting infrastructure such as chargers.</li> <li>2. Update the fleet and small plant procurement policy to promote the uptake of low emission fleet vehicles.</li> </ol>	Implementation	Engaged Uniqco to analyse fleet utilisation data, market research, and stakeholder consultation to provide a 10 year Fleet Asset Management Plan including a Net Zero Transition Plan for all fleet and small plant assets.	2023-2024 2024-2025 2025-2026 2026-2027

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Active Transport Infrastructure	Assess active transport routes and infrastructure at City buildings to facilitate staff usage for commuting, including end-of-trip facilities and parking options.	Provide accessible and convenient active transport routes and end-of-trip facilities at City buildings to facilitate active transport commuting staff.	Planning	Local active transport routes shown on the Long Term Cycle Network map. Assessment underway for upgrading end-of-trip facilities at Civic Centre after HVAC project is completed.	2023-2024 2024-2025 2025-2026
Alternate Fuels for heavy fleet	Explore alternate fuels for waste trucks and other heavy vehicles, with a focus on zero emission fuels once commercially viable technologies become available.	Identify and trial low or zero emission fuel technologies for heavy fleet vehicles as they become commercially viable, with a clear plan for implementation.	Not started	Action not progressed as technology not yet commercially viable.	2026-2027 2027-2028

## Community Focus

Table 10: Community Focus actions progress update

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Residential FOGO	Introduction of a separate FOGO kerbside collection across the community in 2019 which has reduced residential waste sent to landfill from approximately 20,000t down to 10,000t per year, saving 35,000 tCO <sub>2</sub> -e.	Complete roll out of residential FOGO service.	Implementation	Residential FOGO program roll out to be completed by end 2024. Collected a total of 40,333 tonnes of residential waste and recycling, comprising of 20,433 tonnes of food organics, garden organics (FOGO), 11,393 tonnes of general waste and 8,497 tonnes of recycling. Collected 2,577 tonnes of bulk verge waste including 77 tonnes of white goods, 43 tonnes of steel, 86 tonnes of mattresses, 10 tonnes of E-waste and 1,300 tonnes of garden organics.	Pre-June 2023 2023-2024 2024-2025
Climate Action Reference Group	Establishment of the community Climate Action Reference Group to inform the development of the City's climate action plan.	CARG input into the Community Climate Action Plan.	Completed	The CARG met a total of 12 times between November 2022 - May 2024 to listen to expert speakers, workshop actions to reduce emissions and adapt to climate change, provide feedback on the Community Climate Action Plan and discuss future ways the City can engage and support the community to take climate action. The group has completed its input into the Community Climate Action Plan and wrapped up in June 2024.	Pre June 2023 2023-2024

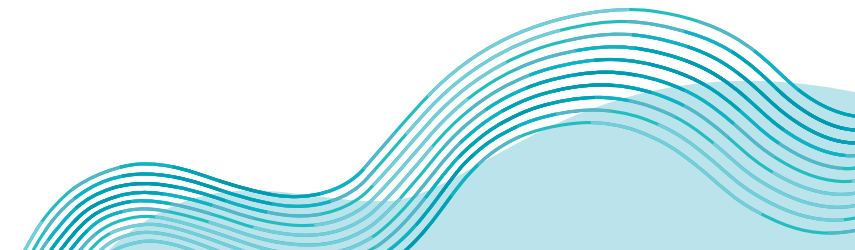


Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Climate Change surveys of the community	Incorporate climate change into the regular surveys of the community to understand sentiment.	Inclusion in Community and Wellbeing Scorecard.	Implementation	Community Wellbeing survey completed 2023 included the question "How would you rate performance in efforts to promote and adopt sustainable practices to manage climate change". 79% residents positively rated our efforts to adopt and promote sustainable practices to address climate change, 86% residents positively rated our conservation and environmental management and 87% residents positively rated our efforts to maintain and enhance the river and foreshore.	Ongoing
Directions from Young People - Climate Action	The City's 2022-2025 Directions from Young People has key actions on engaging and support young people to take climate action: 4.1 Foster a culture of youth volunteering and contributing to the community, through involvement in environmental and other projects 4.8 Ensure young people are involved with the development and implementation of the City's Climate Action Plan or similar strategies, including the establishment of any community reference groups regarding this action.	Conduct activities focused on youth related to climate action. Promote related initiatives to young people. Young people participate in stakeholder engagements related to CAP including the CARG. CoM staff collaborate with young people to design events and initiatives relevant to their interests. PLEEC hosts events with external organisations delivering programs for young people.	Implementation	Youth PLEEC programs with environment & sustainability themes delivered with 98 attendees: Wildlife rescue workshop, Grow Your Own Food, Pressed Flower Framing workshop, Textiles and jewellery making workshop, Birds of the Night event, Meet the wildlife event. CAP related engagements, events and opportunities promoted on @MelvilleYouthCollective Instagram and via youth eNews. CoM staff in Sustainability and Waste worked with Youth Steering Group members on designing relevant youth initiatives at PLEEC. Other external events hosted: Australian Youth Climate Coalition (AYCC) schools summit with United Nations Youth WA.	Ongoing

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Climate Action Education Programs - Switch Your Thinking	Community programs related to Sustainability & Climate Action including Switch Your Thinking and environmental education programs.	Maintain programs delivered with a focus on Adaptation and Mitigation to Climate Change with high attendance rates.	Implementation	Continued hosting workshops through Switch Your Thinking membership.	Ongoing
Circular Economy Approach - Community	Improve efforts to promote local circular economies to support supply chains. Waste reduction examples include (but are not limited to) toy and tool libraries, Men's Sheds and Repair Lab.	Maintain programs and initiatives delivered with a focus on Circular Economy / Waste Avoidance with high attendance rates.	Implementation	Review of and ongoing delivery of Sustainability, Climate Action and Waste/Resource Recovery education programming. Supported the Garage Sale Trail, which had 2,468 participants. Collected 17 tonnes of E-waste collected through our E-waste drop off days. Handed out 54 compost rebates, 23 worm cafe subsidies, 24 cloth nappy rebates and 68 reusable menstrual product rebates. Placement and maintenance of charity clothing collection bins on public land – the City has allowed access to public land to support non-for-profit and charitable organisations to minimise waste to landfill.	Ongoing
Track emissions Community's scope 1,2&3	Measurement of community CO <sub>2</sub> -e emissions and tracking progress towards emissions reduction targets for scope 1, 2 and where feasible scope 3 emissions, aligning with the City's geographical Net Zero by 2050 goal.	Collation and graphing of emissions - excel or Power BI.	Implementation	Community emissions completed for 2022/2023. Data is being collected for 2023/2024.	Ongoing

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Community Climate Action Plan	Develop a Community Climate Action Plan to outline collective strategies and initiatives for addressing climate change to be completed in financial year 2023-2024.	Completion of a Community Climate Action Plan for endorsement by Council.	Implementation	The Community Climate Action Plan has been developed over 2023/2024 in consultation with staff, the Climate Action Reference Group (CARG) and community engagement in January/February 2024 on priority actions. Draft Plan presented to Council in June 2024, released for public comment in July 2024, with final Plan to be presented to Council in October 2024.	2023-2024 2024-2025
FOGO - Commercial businesses	Minimisation of waste in commercial businesses through FOGO roll out and education activities.	Commence program roll out.	Implementation	Preparation for commercial FOGO program during 2023/2024 which commenced 1 July 2024. Collected 1,130 tonnes of commercial waste and 320 tonnes of commercial recycling.	2023-2024 2024-2025
Climate Action Education Programs	Implement diverse and inclusive educational programs to raise awareness about the effects of climate change on daily lives and actions residents and businesses can take to mitigate and adapt.	Maintain programs delivered with a focus on Adaptation and Mitigation to Climate Change with high attendance rates.	Implementation	Review and ongoing delivery of Sustainability, Climate Action and Waste/Resource Recovery education programming. 179 programs, including school holiday and youth with over 5,800 attendees total. A total of 159 sustainability and waste education programs were delivered, with more than 5,200 attendees. In our first full school holiday Sustainability program, there were 15 programs with 539 attendees. We supported 31 Friends Groups and 23 schools with more than 10,800 volunteer hours contributed and gave away 8,500 free native plants to residents and local schools in our annual native plant giveaway. Hosted first Eco Action Expo which included a wide variety of stallholders, activities, things to buy and loads to learn with more than 300 people.	Ongoing

Action Name	Action Description	Measure of Success	Progress	Progress update June 2023-2024	Timeframe
Community public & active transport	Advocate and promote improvement of active and public transport opportunities for the community to reduce transport emissions.	Advocate and promote active and public transport opportunities for the community to reduce transport emissions.	Not started	Continue to work with Department of Transport on promotion of opportunities and projects. Walk & Ride strategy endorsed in May 2024. A total of 2,689 people were transported through our Community Bus Service.	2023-2024 2024-2025
City Nursery	Creation of a City nursery for the organisation, residents, and groups, supplying local natives (free or cheap), run by volunteers to create community cohesion.	Community-use nursery facility at PLEEC.	Planning	Concept design complete.	2023-2024 2024-2025 2025-2026





## APPENDIX B

### Additional emissions analysis

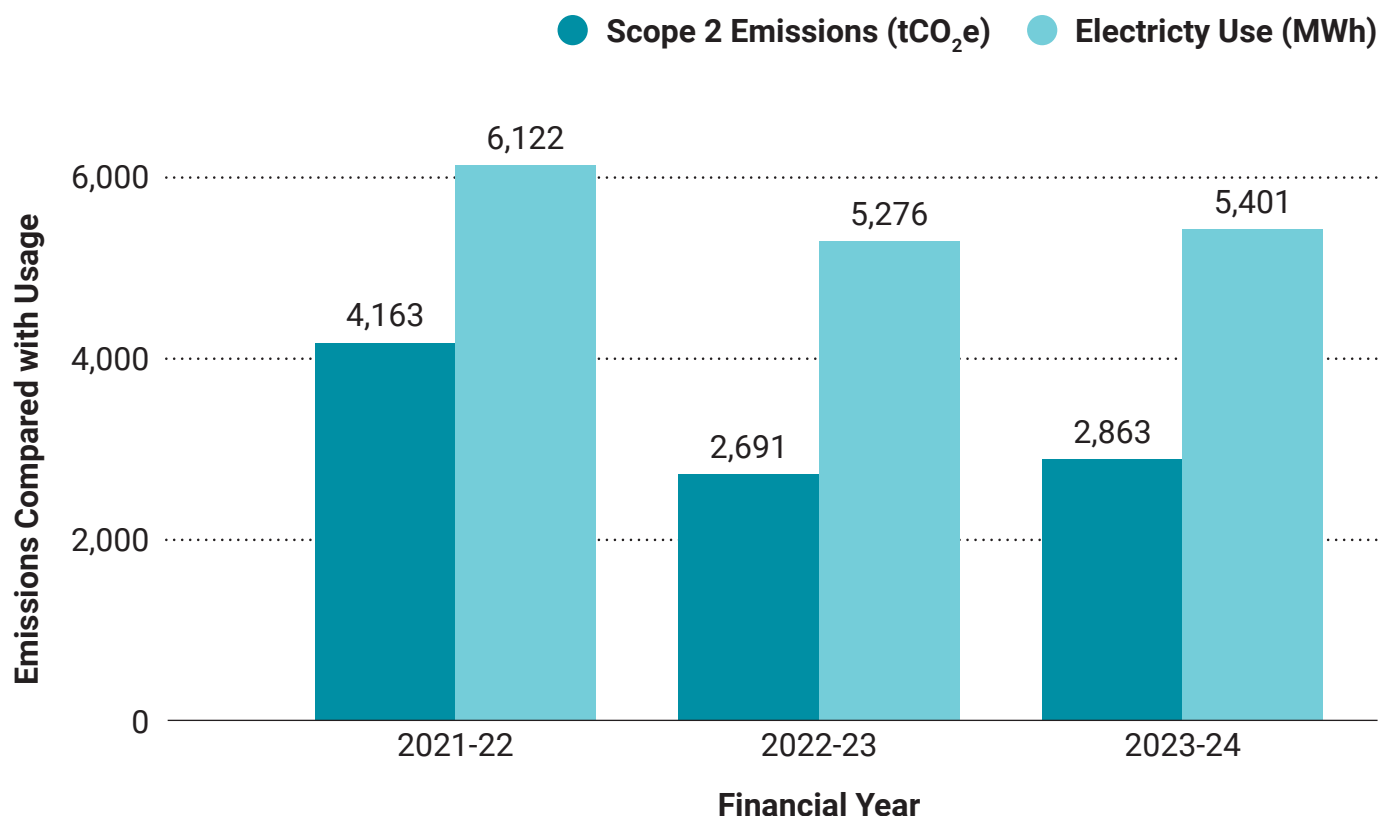
The City of Melville has entered into a Sustainable Energy Project with WALGA to procure renewable energy for its contestable sites. The City does not actively report on these offset reductions (Table 1). It should be noted that these offsets have been in place for the last two financial years and will continue through to March of 2025.

Financial year	Offsets (tCO <sub>2</sub> e)
<b>FY22-23</b>	2,595
<b>FY23-24</b>	3,183

*Table 1: Offsets related to the Sustainable Energy Project agreement with WALGA.*

Figure 1 shows emissions from electricity (scope 2) and electricity usage in MWh for the past 3 years. The City is tracking both decarbonization of the electricity grid, consumption and emission production. The City expects emissions to drop relating to more renewable energy on grid, more on site renewable generation and decreasing consumption.

### Electricity: Emissions Compared with Usage



*Figure 1 – Scope 2 emissions and electricity usage for the past 3 years.*

Figure 2 shows the estimated solar generation on City owned and operated facilities based on an assumed daily generation of 4.4 kWh per kW of installed inverter. It highlights that overall consumption of electricity is reducing whilst renewable energy production is slowly increasing.

### Estimated Solar generation (MWh) Versus Facility Electricity Use (MWh) [Not including any tenanted facilities]

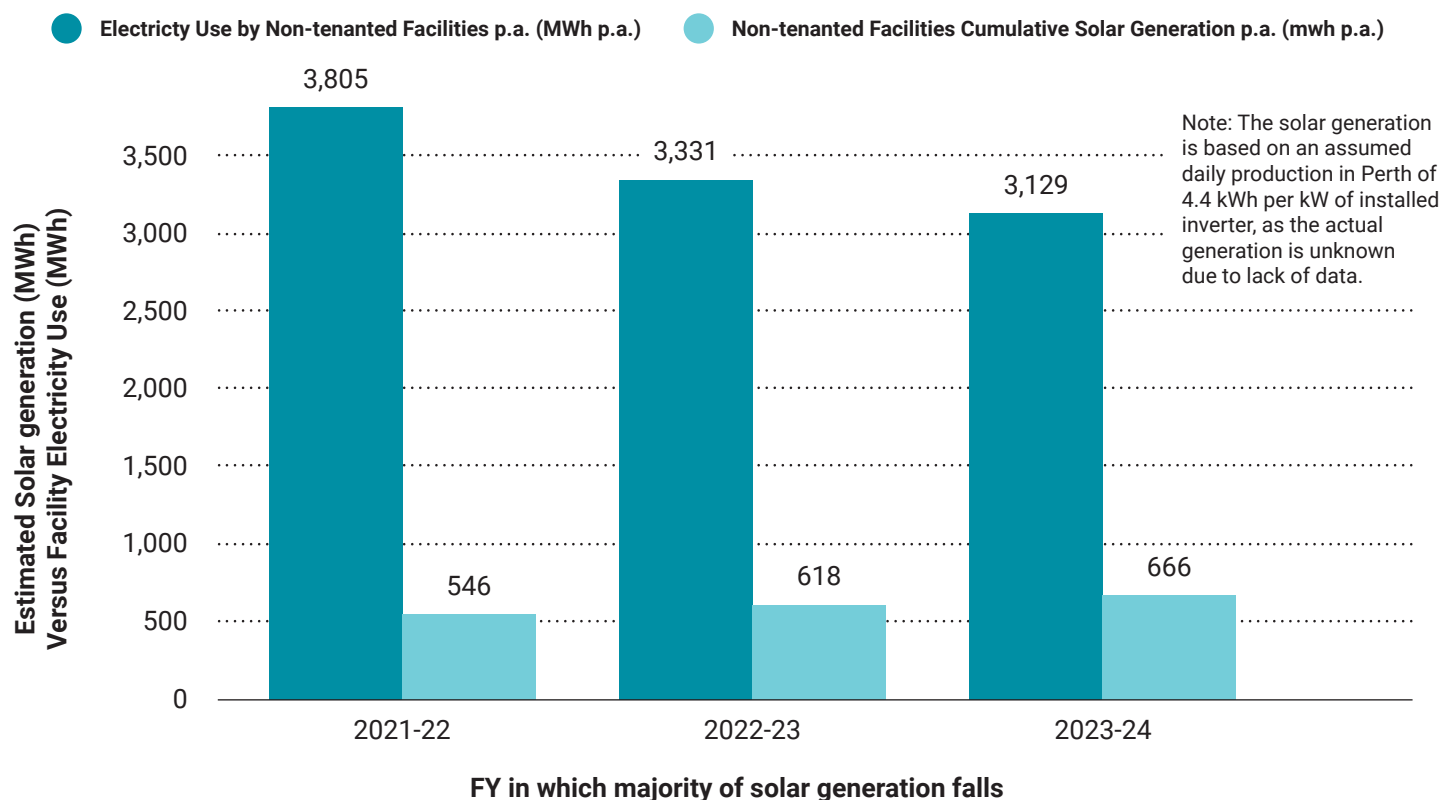


Figure 2 – estimated solar generation on City owned and operated facilities based on an assumed daily generation of 4.4 kWh per kW of installed inverter.



## APPENDIX C

### Glossary

#### The Council

In this document, 'the Council' refers to the Mayor and Councillors (elected members).

#### The Organisation

In this document, 'the organisation' refers to the Chief Executive Officer and staff.

#### The City of Melville

In this document, 'the City of Melville' refers to the district, our geographical boundaries or our municipality. It may also refer to the organisation.

#### The City

In this document, 'the City' generally refers to the Council and organisation as a whole i.e., the corporate entity.

#### Carbon Neutral

Achieving a balance between emitting carbon and absorbing carbon from the atmosphere in carbon sinks. It means that any carbon dioxide released into the atmosphere is balanced by an equivalent amount being removed. This can be achieved by a combination of reducing existing emissions and offsetting the rest, often through carbon offset projects like reforestation.

#### Net Zero

The balance between the amount of greenhouse gases produced and the amount removed from the atmosphere. When a company, government or community is net zero, it means that its total greenhouse gas emissions are equal to the greenhouse gases that are being removed. The focus is on reducing all emissions as much as possible through efficiencies, then balancing out any remaining through offsets.

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