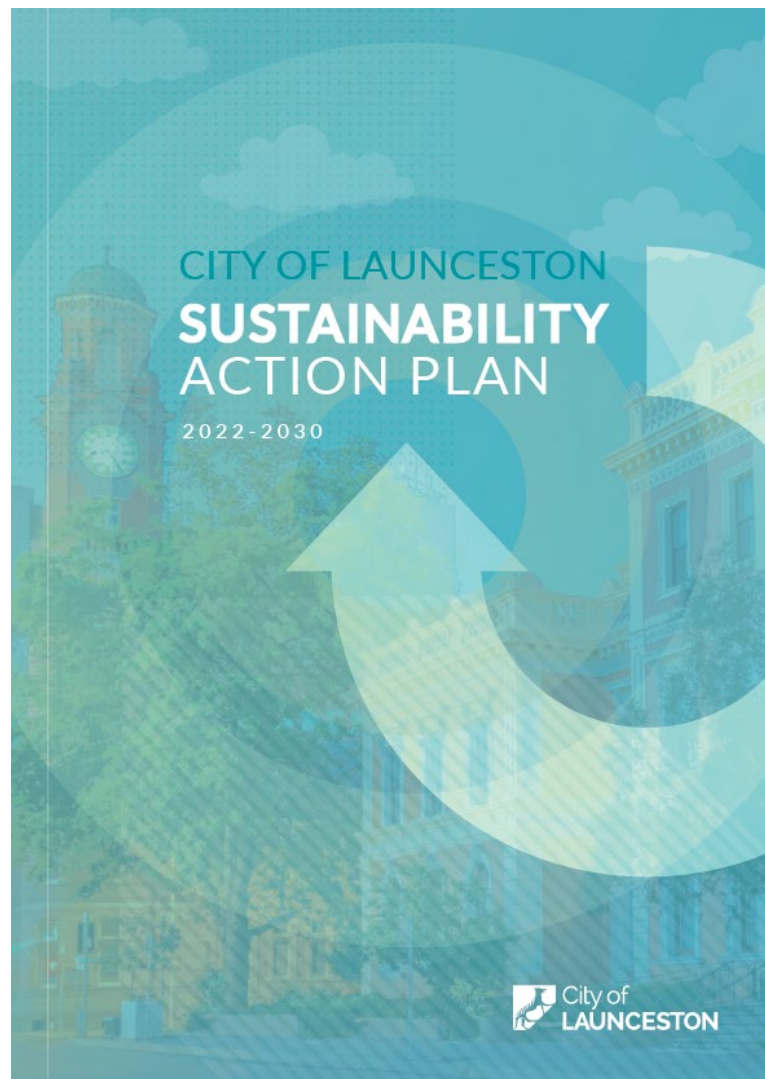


# City of Launceston Sustainability Action Plan 2023 Review



## Table of Contents

1. Introduction.....	3
2. Summary of Progress.....	4
2.1 Progress in 2023.....	4
2.2 Progress to date.....	4
3. Review of Targets and Actions.....	6
3.1 Targets.....	6
3.2 Actions.....	6
4. Key Priority Area Summary.....	7
4.1 Leadership & Advocacy.....	7
4.2 Towards Zero Emissions.....	11
4.3 Adaptation & Resilience.....	15
4.4 Material Efficiency, Recovery & Optimisation.....	21
4.5 Natural Capital.....	25
4.6 Smart Assets.....	30
5. List of Acronyms and Abbreviations.....	37

# 1. Introduction

In January 2022, the City of Launceston Council formally endorsed the **Sustainability Action Plan 2022-2030** as the full implementation plan of the Sustainability Strategy. It sets out how we will improve environmental sustainability across the City of Launceston's operations, service delivery and assets, and how we will support and advocate for our community.

The City of Launceston Sustainability Team is responsible for coordinating the implementation of the Sustainability Action Plan and reporting on progress. The Sustainability Team implements the Action Plan in collaboration with all internal teams at the City of Launceston, as well as relevant industry, business and community groups.

The City of Launceston reports annually on the progress of each target and action and undertakes a review of actions biannually. This is the second progress report which shows cumulative progress made from January 2023 to December 2023 and includes the first review of actions



## 2. Summary of Progress

The Sustainability Action Plan has 28 targets and 139 actions across six key priority areas. The purpose of the Review is to show progress against targets and actions and review the relevance of each.

The status of each target and action is shown as: Not yet commenced, In progress, Behind, Achieved, Ongoing, and Discontinued.



Not yet commenced



In progress



Behind



Achieved



Ongoing



Discontinued

### 2.1 Progress in 2023

Throughout 2023, one target and 19 actions were achieved and 11 actions commenced. One target is behind its planned completion date (Adaptation & Resilience Target 3.2) however is in progress and due for completion in 2024.

### 2.2 Progress to date

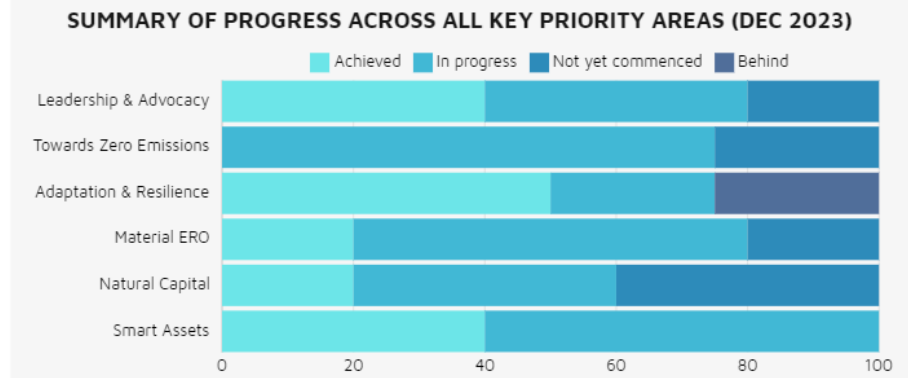
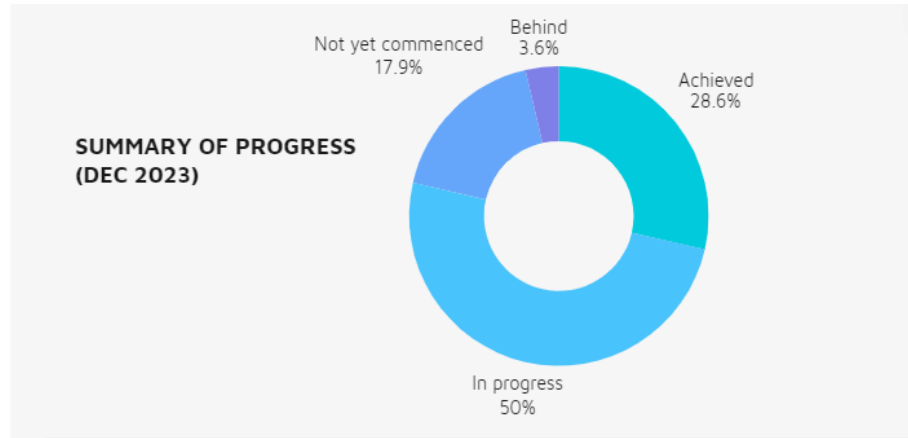
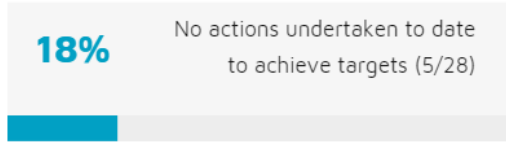
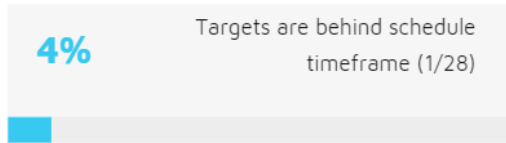
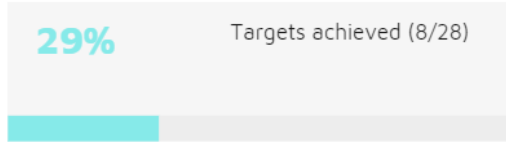
Since the endorsement of the Sustainability Action Plan in 2022, eight targets (out of 28) have been achieved, 14 targets have actions in progress to achieve target (as per planned timeframes) and one target is behind schedule (Target 3.2 in Adaptation & Resilience) due to limited resourcing. Actions to achieve Target 3.2 will commence in 2024.

Out of 139 actions, 43 actions have been achieved (including 23 ongoing), 59 actions are in progress, 35 are yet to commence (as per planned timeframes) and two are now discontinued (refer to Section 3.2).

A summary of the Sustainability Action Plan's progress to date (as of January 2024) is presented below.

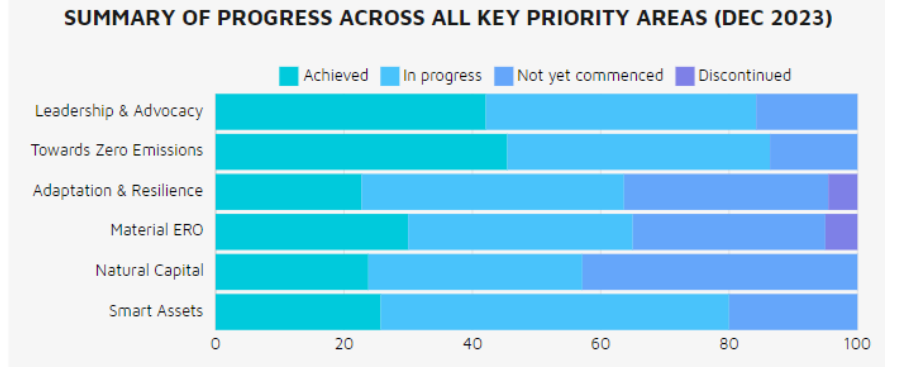
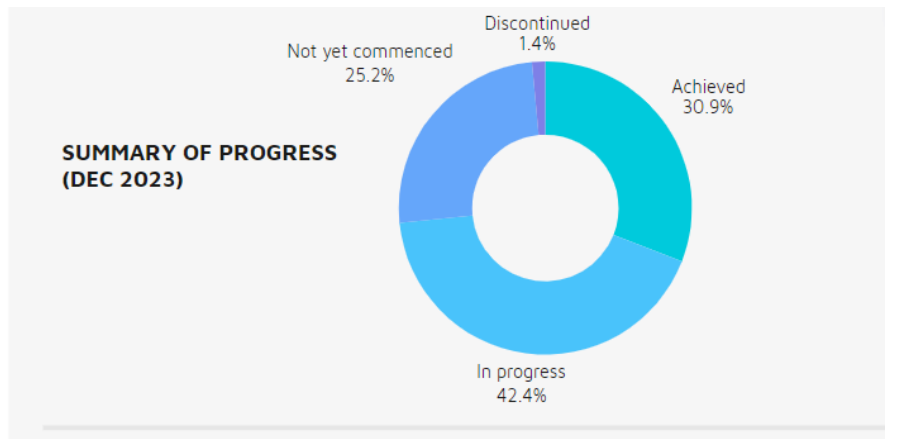
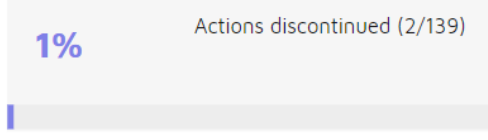
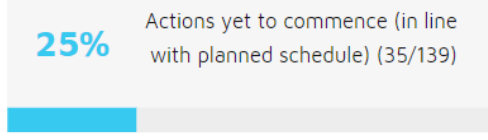
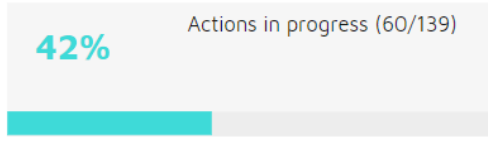
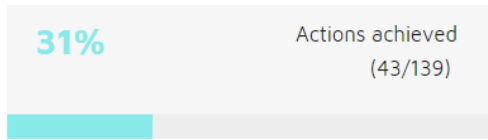
# TARGETS

## PROGRESS TO DATE



# ACTIONS

## PROGRESS TO DATE



### 3. Review of Targets and Actions

To ensure the Sustainability Action Plan remains relevant, achieves the vision of the Sustainability Strategy, and continually improves the City of Launceston's sustainability performance, all actions and targets are reviewed every two years (as per Target 2.2 *The Sustainability Action Plan's progress is reported annually and the review is completed bi-annually*). The following section summarises the updates to targets and actions.

#### 3.1 Targets

Following a review of all targets, those listed below will be amended and/or discontinued:

- Target 2.3 Achieve carbon neutrality as an organisation by 2025
- Target 2.4 Reduce the quantity of carbon offsets purchased in 2025 by 2030

The City of Launceston will not proceed with the purchase of carbon offsets and therefore, will not meet the target of carbon neutrality by 2025. In recent years, the effectiveness of carbon offsets in the reducing emissions has come under scrutiny due to the scheme's lack of transparency and measurability in how much emissions will be reduced through a given project. The City of Launceston will continue to focus efforts on directly reducing emissions through behaviour change, clean energy technologies and improving efficiencies with added support from the Sustainability Fund.

In lieu of the carbon neutral target, a science based target is being investigated for our corporate emissions for 2025 to 2030. If implemented, a science based target will replace Target 2.3.

#### 3.2 Actions

Following a review of all actions, repetition was identified across several actions and therefore two actions will be discontinued:

- Action 4.13 Promote waste avoidance and resource efficiencies to employees and at the City of Launceston's owned community facilities through education and awareness programs and effective signage
- Action 5.17 Improve environmental awareness among our employees

Action 4.13 will be combined with Action 4.1 *Using a waste hierarchy lens, develop and implement a Council wide communication, awareness and education plan and program to build staff capacity to minimise material usage and increase material recovery and optimisation*. The Council wide communication, awareness and education plan and program will be inclusive of community facilities and the use of signage.

Action 5.17 will be combined with Action 1.4 *Develop and roll out a sustainability education and awareness program across Council*. The improved environmental awareness of employees will be achieved through the sustainability education and awareness program.

## 4. Key Priority Area Summary

### 4.1 Leadership & Advocacy

This key priority area aims to achieve the following objectives:

1. Communicate, monitor and assess the City of Launceston’s progress in sustainability performance
2. Build our capacity in delivering sustainability outcomes
3. Enhance the sustainability outcomes of our procurement process and supply chain
4. Advocate for the community on sustainability related matters outside of the City of Launceston’s control.

The Sustainable Development Goals that this key area contributes to include:



Target	Commentary	Status
1. Achieve a higher performance score in aligning with the SDGs by 2026 and again in 2030	Due to commence in 2026	Not yet commenced
2. The Sustainability Action Plan’s progress is reported annually and the review is completed bi-annually	Progress reporting has been completed annually and a review biannually (this report)	Achieved / ongoing
3. All Council decisions are based on sustainability principles by 2026	Key areas of work include sustainability training for all staff to be rolled out in 2024 and exploring sustainable procurement	In progress
4. Achieve all Cities Power Partnership pledges by 2030	Progress is underway for all five pledges. Key achievements to date include: increasing the renewable energy mix for buildings and fleet; the construction of an End of Trip facility for staff at Town Hall; lobbying State and Federal Govt. to transition Metro buses to zero emission vehicles and support the roll out of e-scooters; and continuing to have no investment in fossil fuel -aligned investments	In progress
5. All sustainability communication mediums are updated and accessible to the community by 2022	The CoL sustainability webpage was updated with new information, reports, projects and relevant resource links	Achieved

Action	Timeframe	Cost	Commentary	Status
<b>1.1a</b> Develop a framework to monitor and assess actions and provide publicly available updates on the progress of the Sustainability Action Plan annually - develop framework	Short term / ongoing	\$	Tracking framework developed	Achieved
<b>1.1b</b> Develop a framework to monitor and assess actions and provide publicly available updates on the progress of the Sustainability Action Plan annually - provide public updates annually	Short term / ongoing	\$	Ongoing publication of updates (this progress report) on the Council website	Achieved / ongoing
<b>1.2</b> Review and update the City of Launceston's sustainability content on Council's website and social media platforms	Short term / ongoing	\$	Updated and additional sustainability content added to <a href="#">Council's website</a>	Achieved / ongoing
<b>1.3a</b> Undertake a follow up review at the mid and end point of this Action Plan (2026/27) to ensure we are on track to achieving a higher performance score for the relevant SDGs. Publicly report on our progress - midpoint assessment in 2026/27	Moderate to long term	\$	Due to commence in 2026	Not yet commenced
<b>1.3b</b> Undertake a follow up review at the mid and end point of this Action Plan (2026/27) to ensure we are on track to achieving a higher performance score for the relevant SDGs. Publicly report on our progress - end point assessment in 2030	Long term	\$	Due to commence in 2026	Not yet commenced
<b>1.4</b> Develop and roll out a sustainability education and awareness program across Council	Short to moderate term / ongoing	\$	Actions 1.4 and 5.17 will be combined (Action 5.17 is now discontinued). Internal working group formed to develop a training package to address environmental risk and help embed sustainability across the organisation. Training will be rolled out across the organisation in 2024	In progress
<b>1.5</b> Develop a Sustainability Working Group within Council to help implement the Sustainability Action Plan	Short term / ongoing	\$	A sustainability working group has been established consisting of staff leading the implementation of this plan	Achieved
<b>1.6 / 6.2</b> Update Council's procurement policy and strategy to ensure goods and services purchased by Council meet criteria for environmental, social and governance responsibility	Short term	\$	An update of both the policy and procedure is in development. An updated version is expected in 2024	In progress



<b>1.7</b> Assign sustainability weighting / evaluation criteria in tender evaluations to encourage the procurement of sustainable goods and services	Short term / ongoing	\$	Sustainability weightings and evaluation criteria applied to several tenders. Council will continue to include sustainability weighting in future tenders and add this function in the new corporate application program for procurement. Updating Council's procurement policy and strategy to include a minimum sustainability weighting is being explored	In progress
<b>1.8</b> Communicate with the City of Launceston's supply chain on our sustainability targets; include sustainable procurement awareness in our induction program for suppliers, and encourage transparency from suppliers on their sustainability targets and achievements	Short term / ongoing	\$	Sustainability content drafted for supplier and contractor induction package and tender packages however, both are not yet implemented. We are currently exploring working directly with suppliers to increase our sustainable procurement	In progress
<b>1.9</b> Participate in industry research, round table discussions, conferences, working groups etc. that contribute to delivering sustainable outcomes for the community	Short term / ongoing	\$	Some examples of Council's participation include: PIA Tasmanian Built Environment Climate Action Summit; Exploring Sustainable Cities (Sustainable Cities conference; NTWMG Waste Conference; NESP2 Sustainable communities and waste hub; Climate Emergency Australia various webinars; Hydrogen CRC Industry Partner Workshop; Zero Waste Events Tasmania (ZWET) workshop and working group; presented at the LGAT Climate Change Conference; Tas Gov NRE Tas Catchment Yield Science Update project; Tas WMRR Forum; participated in UTAS Masters research project, "Auditing built environments for vulnerability to heatwaves"	Achieved / ongoing
<b>1.10</b> Continue the divestment from all direct fossil fuel aligned investments and further explore the divestment from indirect fossil fuel aligned activities e.g. banking and superannuation (in line with Cities Power Partnership pledges)	Moderate to long term / ongoing	\$	No direct investment in fossil fuel investments. Investigating Council's indirect investments through banking and super funds	In progress
<b>1.11</b> Share and emphasise our sustainability and collaboration wins to encourage similar rollout across the community	Short term / ongoing	\$	Ongoing promotion of Council's sustainability wins including: Waste videos on <a href="#">YouTube</a> ; Natural capital wins such as the <a href="#">Kings Meadows rivulet sign</a> ; Bike week activities; Sustainable Community Working Group and other <a href="#">collaborating groups</a> ; Council's <a href="#">sustainability news</a> . <a href="#">Several new wins for 2023 will be shared in 2024 including: water efficiency project and Community Emissions Action Plan</a>	In progress

<b>1.12</b> Participate in a working group with local stakeholders in which sustainability is a key theme	Short term / ongoing	\$	Council's Sustainability Officer is a member of the Sustainable Community Working Group (SCWG) who meet monthly and aim to connect, educate and mobilise the community to enhance sustainability outcomes for Launceston	Achieved / ongoing
<b>1.13</b> Increase funding allocation to community sustainability projects	Short to moderate term	\$\$	Due to commence in 2025	Not yet commenced
<b>1.14</b> Advocate for State and Federal Governments to increase sustainable transport outcomes across the region including the introduction of rigorous minimum vehicle emissions standards; incentives for low and zero emission vehicles; change in legislation to support electric scooters; and the provision of funding for sustainable transport infrastructure (in line with Cities Power Partnership pledges)	Short term / ongoing	\$	Advocated for the change in legislation to support electric scooters; supported lobbying the Federal Government to reduce remove local government Fringe Benefit Tax (FBT) for EVs (successful) and emissions standards (TBC); supported lobbying Metro and the State Government Minister for the extension of the free public transport that occurred in April 2022; currently supporting <a href="#">Metro's Zero Emissions Vehicle (ZEV) trial in Launceston</a>	Achieved / ongoing
<b>1.15</b> Advocate for product stewardship at State and Federal levels to minimise waste generation from product and packaging manufacturing	Moderate term / ongoing	\$	Advocated through the Northern Tasmanian Waste Management Group (NTWWMG) and the new program (NTWMP) e.g. e-waste, household batteries, paint, and drum muster stewardships. Further advocacy work to be undertaken in this area.	In progress
<b>1.16</b> Support the delivery of a major sustainability event for the local community to increase the awareness of sustainable lifestyle choices	Moderate term	\$	Sponsored the Sustainable Living Festival Oct-21 and Mar-24. Sustainability Officer is a member of the Sustainable Communities Working Group who delivers the festival with TamarNRM	Achieved / ongoing
<b>1.17</b> Undertake community engagement to further understand the sustainability priorities of the community and where the City of Launceston's support is most needed. Include actions as part of the first Sustainability Action Plan review (to be achieved biannually)	Short term / ongoing	\$\$	Two community surveys have been developed and due for roll out in early 2024: "A Resilient City" from the Tomorrow Together engagement program and a Community Emissions survey as part of the engagement program "Low Carbon Launceston". Results will be analysed to understand community priorities and inform stakeholder workshops taking place in mid-2024	In progress

## 4.2 Towards Zero Emissions

This key priority area aims to achieve the following objectives:

1. Measure, monitor and track our emissions profile and progress in reducing emissions
2. Avoid and reduce our consumption of energy and materials and maximise efficiencies
3. Transition to electrification and renewable energy
4. Increase the diversion of waste to landfill
5. Explore and support emission capture and sequestration technologies and initiatives.

The Sustainable Development Goals that this key area contributes to include:

The Towards Zero Emissions key priority area will focus on improving the City of Launceston's performance score in SDGs:



Target	Commentary	Status
1. Reduce City of Launceston's building and transport emissions by 20% (from the 2018/19 baseline) by 2030	Energy efficiency measures are being explored at high energy use sites. A Sustainable Fleet guideline was developed to transition fleet to zero emissions	In progress
2. Power all City of Launceston owned buildings by 100% renewable energy by 2025	Three facilities remain connected to gas. Transitioning these facilities is being explored	In progress
3. Achieve carbon neutrality as an organisation by 2025	A decision on whether to proceed with carbon neutrality is being explored (Target to be amended - refer to Section 3.2)	In progress
4. Reduce the quantity of carbon offsets purchased in 2025 by 2030	Due to commence from 2025 (Target to be discontinued - refer to Section 3.2)	Not yet commenced

Action	Timeframe	Cost	Commentary	Status
2.1 Calculate City of Launceston's annual emissions from operations	Ongoing	\$	Achieved for the 2021/2022, 2022/2023 financial years	Achieved / ongoing
2.2 Develop a framework to track emission reduction actions and provide publicly available updates on the progress of actions	Short term / ongoing	\$	Framework developed and updates published on the Council website	Achieved
2.3 Undertake a desktop audit of City of Launceston's high energy consuming facilities to identify energy opportunities	Short term / ongoing	\$	Energy data collated and annual comparisons completed each year	Achieved / ongoing

<b>2.4 / 6.6</b> Continue upgrading the City of Launceston's facilities to increase energy efficiencies e.g. efficient heat, ventilation, and air conditioning (HVAC) systems, adequate insulation and ventilation, window glazing, high efficiency LED lighting and de-lamping etc.	Moderate term / ongoing	\$\$\$\$	Upgrade of lighting, heating and HVAC systems underway. Windows and insulation to be investigated at various sites	In progress
<b>2.5</b> Transition gas powered facilities to electrification	Short to moderate term	\$\$\$\$	Launceston Leisure and Aquatic Centre (LAC) transitioned off gas to heat pumps and solar; UTAS stadium gas showers to be upgraded to electric; QVMAG gas boiler replacement to electric now has budget allocated for 2026/2027; working with stakeholders on the transition of Council's cremator off gas (no electric cremators currently exist in Australia)	In progress
<b>2.6 / 6.17</b> Investigate opportunities to utilise low embodied emission, reusable and recycled materials for City of Launceston's construction works, including the construction of assets, asset upgrades and maintenance works whilst adhering to design and construction standards	Short term / ongoing	\$	Council is currently investigating the procurement of road surfacing products that incorporates otherwise landfill-bound materials such as soft plastics, crumbed rubber, ground glass, road millings, reclaimed asphalt, and ink toners. Council attended information sessions with Austral and Boral to understand lower embodied carbon alternatives to current material usage (e.g. concrete and bricks). Council is increasing knowledge in sustainable timber products (e.g. scientifically engineered timber). LCA and embodied carbon calculation tools have been researched for future use	In progress
<b>2.7 / 6.18</b> Continue the transition of powering buildings, fleet, plant and equipment by renewable energy sources	Long term / ongoing	\$\$\$\$	Council is continuing the transition of buildings to renewable energy with three facilities remaining on gas and ongoing installation of solar panels on Council-managed facilities (installed rooftop solar PV on 18 Council facilities). Council fleet consists of three electric vehicles and a Sustainable Fleet guideline developed to transition fleet to zero emissions	In progress
<b>2.8</b> Set targets to increase the level of renewable power for the City of Launceston's operations over time (in line with Cities Power Partnership pledges)	Short term	\$	Data being collated on market availability and approximate costs of renewable energy powered vehicles and equipment	In progress

<b>2.9 / 6.22</b> Investigate and trial alternative transport options for work travel e.g. introduction of electric bikes and scooters to City of Launceston's fleet	Short term / ongoing	\$\$	Micro mobility working committee established and two devices introduced to Council fleet at Town Hall as a 6-month trial. If successful, additional devices will be added to the fleet across Council facilities.	Achieved / ongoing
<b>2.10</b> Promote and incentivise sustainable and active employee travel to and from work (e.g. discounted Greencards, explore salary sacrificing electric bike, scooters and vehicle purchases, and conduct cycle and hands on maintenance education programs etc.)	Short to moderate term	\$	The Town Hall End of Trip facility was completed in Mar-23 and provides staff with appropriate amenities to support sustainable and active travel to and from work (e.g. showers, change rooms, lockers and secure micro mobility device storage). Council is also investigating other programs for staff incentives, namely discounted Greencards	In progress
<b>2.11</b> Coordinate the increase of gas capture capacity and efficiencies in the existing landfill gas extraction system	Long term / ongoing	\$	Gas pipeline infrastructure was installed in 2023 to increase gas capture efficiencies. Additional infrastructure will be installed on an as needed basis.	Achieved / ongoing
<b>2.12 / 4.4</b> Promote commercial FOGO services for organisations generating large volumes of organic waste	Long term	\$	Several commercial companies on boarded including LGH, Harvest Markets, local events and Peppers Silos. In discussions with several more organisations to on-board in 2024	In progress
<b>2.13 / 4.5</b> Continue to expand kerbside FOGO collection services to cover entire municipality	Moderate term	\$\$	All of municipality made eligible for voluntary kerbside FOGO from July 2022	Achieved
<b>2.14</b> Investigate the technology available to assess City of Launceston's carbon sinks and sequestration capacity	Moderate term	\$\$	Due to commence in 2025	Not yet commenced
<b>2.15</b> Establish the City of Launceston's carbon offset options to achieve carbon neutrality by 2025	Short to moderate term / ongoing	\$\$	Carbon offsets scoping study completed and a decision support tool developed for comparing carbon offset options.	Achieved
<b>2.16</b> Calculate annual community emissions	Ongoing	\$	Annual emissions calculated	Achieved / ongoing
<b>2.17</b> Set emissions reduction targets for community emissions	Moderate term	\$\$-\$	A decision to set an emissions reduction target will be made following stakeholder engagement workshops for Low Carbon Launceston in 2024	Not yet commenced

<p><b>2.18</b> In partnership with key stakeholders, develop and promote communication tools to educate the community on climate change and climate mitigation actions that can be undertaken in homes and businesses to reduce emissions</p>	<p>Short to moderate term</p>	<p>\$\$</p>	<p>The Climate Change Summary Report was completed and uploaded to our webpage in 2022. Additionally, partnerships include with ClimateClever, the Sustainable Community Working Group and the Van Diemen Project. Tools available on Council website "<a href="#">Living Sustainably</a>"</p>	<p>Achieved</p>
<p><b>2.19</b> Explore publically available data on the proportion of energy type used in the municipality to identify opportunities for the City of Launceston to support the community in transitioning to clean, safe and affordable energy</p>	<p>Moderate term</p>	<p>\$</p>	<p>Due to commence in 2024</p>	<p>Not yet commenced</p>
<p><b>2.20</b> Promote any upcoming state and federal grant funding to the community to stimulate locally driven emissions reduction actions</p>	<p>Ongoing</p>	<p>\$</p>	<p>Several grants promoted including: Solar sports complexes grant; Business Resource Efficiency Program (BREP); Healthy Tasmania Fund - Healthy Focus Grants - includes climate change consideration; Community Led Climate Solutions Grant Program; and NRM North's Resource Recovery and Circular Economy Grants</p>	<p>Achieved / Ongoing</p>
<p><b>2.21</b> Support schools and businesses in the delivery of emissions reduction initiatives e.g. ClimateClever</p>	<p>Short term / ongoing</p>	<p>\$\$</p>	<p>Schools, businesses and homes supported during 2021 and 2022 including direct engagement, promotion on the Council website, and hosting of a community online webinar presentation. Further engagement on emissions reduction is due in 2024 as part of Low Carbon Launceston</p>	<p>In progress</p>
<p><b>2.22</b> In partnership with key stakeholders, support local industry to transition to low emissions farming and regenerative agriculture practices</p>	<p>Short to moderate term / ongoing</p>	<p>\$</p>	<p>Financially supported by Council, Tamar NRM delivered a series of "On Farm" forums in 2023 aimed at local farmers and interested community members. Workshops focussed on topics relevant to small and new land holders, such as fire, forestry, fences, carbon farming, soil, succession planning, water, waste, and weeds.</p>	<p>In progress</p>

### 4.3 Adaptation & Resilience

This key area aims to achieve the following objectives:

1. Improve understanding and communication of climate change risks and impacts across the City of Launceston’s services, operations, assets, local community and the region
2. Increase the resilience of the City of Launceston’s service delivery, operations and assets to a changing climate
3. Increase the resilience of residents and businesses enabling better preparedness, response and recovery from the impacts of climate change
4. Seek opportunities to collaborate on climate adaptation with key stakeholders and all levels of government.

The Sustainable Development Goals and Cities Power Partnership pledge that this key area contributes to include:

*The Adaptation & Resilience key priority area will focus on improving the City of Launceston's performance score in SDGs:*



Target	Commentary	Status
1. All City of Launceston owned new builds and major refurbishments apply climate adaptation principles commencing 2022	Designs to date at Albert Hall and Princess Theatre have included climate adaptation considerations	Achieved / ongoing
2. All asset and operational procedures are updated to consider future climate projections by 2023	In progress. A review of all procedures is due to commence in early 2024	In progress (Behind)
3. Resident-facing disaster guidance for high climate risks is developed and made available to the public by 2023	Fire and flood guidance documents are in draft but not yet public. The Climate Change Summary Report which includes projected climate risks was published in 2022	Achieved / ongoing
4. Increase the tree canopy cover percentage on City of Launceston owned land (from the 2021 baseline) by 2025 and again by 2030 (shared target with Natural Capital)	The Urban Greening Strategy was endorsed in 2023 and sets out how we will achieve an increased tree canopy cover	In progress

Action	Timeframe	Cost	Commentary	Status
3.1 Participate in a working group to collaborate and progress climate adaptation at a regional or state level	Short term / ongoing	\$\$	CoL is a member of the Northern Tasmanian Alliance for Resilient Councils (NTARC) which works collaboratively with other Councils and the State to assess and adapt to climate risks	Achieved / Ongoing



<b>3.2</b> Develop publically available climate change educational resources targeted at the local level	Short term	\$	Launceston climate projections and summary project finalised and published on the <a href="#">Council website</a> . Information to be shared with community groups and schools in 2023	Achieved
<b>3.3</b> Develop a climate change communication plan for internal and external purposes (at either a municipal or regional level)	Moderate	\$-\$	Due to commence in 2024 / 2025 at a regional level under NTARC	Not yet commenced
<b>3.4</b> Utilising the most recent climate projections for the municipality, review the City of Launceston's climate vulnerabilities and risks (including physical, transition and liability risks) to operations, services and assets, and update adaptation actions (as needed) to increase resilience (e.g. heat island affect and water availability)	Moderate term	\$-\$-\$	Updated physical, transition and liability risks drafted. Council is awaiting state-wide instructions on the risk assessment process to be led by the Tasmanian State Government	In progress
<b>3.5</b> In partnership with NRM groups, utilise the most recent climate projections for the municipality and review the City of Launceston's previous vulnerability assessments on its natural resource management, including high value and susceptible vegetation communities, and adapt management practices to increase resilience	Moderate term	\$-\$-\$	Due to commence in 2025	Not yet commenced
<b>3.6</b> Work with local Tasmanian Aboriginal people to increase Council's understanding of culturally significant sites on the City of Launceston's managed land and the need to protect them from the impacts of climate change.	Long term / ongoing	\$	Due to commence in 2024. Action has also been included in the review of Council's Draft Aboriginal Partnership Plan	Not yet commenced
<b>3.7</b> Review and update the public risk register in relation to climate change risks (as needed)	Short term / ongoing	\$	Due to commence in 2024	Not yet commenced



<p><b>3.8</b> Review the City of Launceston's service delivery to determine whether additional or modified climate responsive services are required to adapt to a changing climate</p>	<p>Moderate term</p>	<p>\$</p>	<p>Discussions underway with Council's Governance team for inclusion in Council's risk register</p>	<p>In progress</p>
<p><b>3.9</b> Review the City of Launceston's emergency management planning and emergency response and recovery plans to ensure they are based on the most recent climate projections</p>	<p>Short term / ongoing</p>	<p>\$</p>	<p>The Emergency Response Framework and Emergency Response Strategy includes recent climate projections and endorsed in 2022.</p>	<p>Achieved</p>
<p><b>3.10</b> Review the alternative emergency egress roads from residential areas that are vulnerable to bushfire and flooding</p>	<p>Short term / ongoing</p>	<p>\$</p>	<p>Tas Fire Service hosted bushfire planning information sessions; Launceston Levee Protected Lands Response Plan has been endorsed and includes a Traffic Management Plan for evacuation of Invermay (highest risk to human life is Invermay) and surrounding suburbs. CoL officers have been heavily involved in the development of this plan.</p> <p>More broadly, the SES is undertaking a state-wide flood mapping project to inform flood risk on a state-wide level. This will include an analysis of Launceston's rural areas and provide additional information. This project is now with the SES.</p>	<p>Achieved</p>
<p><b>3.11</b> Undertake a review of land use planning in levee protected areas to minimise the flood risk for future developments</p>	<p>Short term</p>	<p>\$</p>	<p>The draft Specific Area Plan was presented at Council workshop Dec-22. The scheme amendment will be undertaken in 2024.</p>	<p>In progress</p>
<p><b>3.12</b> Integrate updated climate risks and adaptation actions in the City of Launceston's future strategic documents</p>	<p><del>Moderate</del> Short term / ongoing</p>	<p>\$</p>	<p>This action was due to commence in 2025, however, Council has updated the timeframe to be short term to align with best practice governance.</p> <p>Reference to climate risks and adaptation actions are included in some specific strategy documents including Transport Strategy, Urban Forest Strategy, Storm System Management Plan, and Urban Waterway Program. Climate risks are included in several individual asset management risk registers. However, there is limited reference to climate change/ environmental</p>	<p>In progress</p>

				<p>sustainability in the Strategic Plan, the Long Term Financial Management Plan (including Financial Management Risks), and the Asset Management Policy. Climate risks and adaptation actions will be integrated into these strategic documents as part of upcoming document reviews</p>	
<p><b>3.13</b> As part of developing the Environmental Sustainable Buildings Policy or Guideline for the design, construction and major refurbishments of City of Launceston buildings, ensure the climate adaptation component includes key adaptation solutions such as adaptive building location, use of future climate appropriate building materials, and engineering solutions to increased extreme weather events and a changing climate (e.g. increased guttering and downpipe capacity, increased roof durability, water sensitive urban design (WSUD), rainwater harvesting, thermal comfort, increased tree canopy cover in adjacent areas, self-sufficient powered emergency facilities etc.)</p>	<p>Short term / ongoing</p>	<p>\$</p>	<p>Relevant Council documents reviewed in 2023. Scoping phase for a potential ESD Policy to commence in 2024</p>	<p>Not yet commenced</p>	
<p><b>3.14</b> Target priority areas for design alternatives to the use of hard impermeable surfaces (e.g. concrete/asphalt infill to road verges, car parks, stormwater drains etc.) to adapt to the impacts of climate change and increase green cover throughout the city (e.g. WSUD for improved filtration of stormwater runoff in heavy rainfall events and green infrastructure to moderate microclimates during heatwaves while providing habitat for local biodiversity)</p>	<p>Moderate term</p>	<p>\$- \$\$\$</p>	<p>Various projects have included alternatives to hard impermeable surfaces e.g. CBD raingardens, Newnham reserve stormwater mitigation project, and the urban waterways program</p>	<p>In progress</p>	

<b>3.15</b> Review and update our insurances and indemnities in regards to liability of property damage in flood, storm and bushfire events	Short term / ongoing	\$	Due to commence in 2024	Not yet commenced
<b>3.16</b> In partnership with the Tasmanian Fire Service, investigate treatment options for fuel modified buffer zones within the City of Launceston's managed reserves to appropriately reduce fuel loads around infrastructure and assets	Short to moderate term	\$-\$	Council is progressing fire management and fuel reduction activities for adaptation and resilience	In progress
<b>3.17</b> Engage with local Tasmanian Aboriginal people on the use of traditional knowledge to better manage the landscape (e.g. cultural burning practices) and explore the opportunity for a collaborative trial on City of Launceston's managed land	Short to moderate term	\$	Council attended cultural burning workshops held by NRM North. Further work will be undertaken as part of the update to the Aboriginal Partnership Plan	In progress
<b>3.18</b> Review all strategy documentation relevant to flora to ensure the impacts of climate change have been considered in future planning and works (e.g. species tolerant to increased temperatures, extended dry periods, and high intensity rainfall events, species with higher sequestration rates, species that provide greater shade)	Moderate to long term	\$	Due to commence in 2025. The Urban Forestry Strategy will include these considerations	Not yet commenced
<b>3.19 / 5.8</b> Develop and implement an Urban Forestry Strategy (with the inclusion of a baseline assessment, setting of targets to increase tree canopy cover, applying a climate adaptation approach and increasing green infrastructure)	Short term	\$-\$-\$-\$	The Urban Forestry Strategy and Implementation Plan was endorsed in 2023	Achieved
<b>3.20</b> Support the capacity building of the community to be prepared for, adapt, and build resilience to the impacts of climate change (e.g. extreme storms, bushfire, flooding, drought and	Short term	\$-\$-\$-\$	CoL online assets updated to provide the community information to understand their disaster risk profile and plan for emergencies; plans in place to set up a physical resource hub for disaster planning in the Customer Service Area;	In progress

<p>increased temperatures) on health, lifestyle and physical assets</p>			<p>Launceston Levee Protected Response Plan is being finalised and includes SES developed Flood Guides to assist the community to understand their flood risk and assist with critical information on what to do during a flood event (to be launched first half of 2024); CoL is negotiating a co-funded role with DPAC to facilitate a Recovery Planning Committee and will focus on planning for large scale disasters and support the community to mitigate the impact of disaster and to build resilience.</p>	
<p><b>3.21</b> Promote and share community climate adaptation initiatives and achievements</p>	<p>Short to moderate term</p>	<p>\$</p>	<p>Discussions on content sharing through the Sustainable Community Working Group (SCWG) is underway</p>	<p>In progress</p>

## 4.4 Material Efficiency, Recovery & Optimisation

This key priority area aims to achieve the following objectives:

1. Avoid and reduce community waste generation
2. Increase the diversion of waste to landfill and reduce contamination within waste streams
3. Avoid and reduce waste generation from the City of Launceston’s operations and owned facilities
4. Support the development of new technologies in alternatives to landfill.

The Sustainable Development Goals and Cities Power Partnership pledge that this key area contributes to include:



Target	Commentary	Status
1. 90% of City of Launceston operational waste is diverted from landfill by 2030	Methods to measure and track operational waste is to be explored in 2024	Not yet commenced
2. 80% of community waste is diverted from landfill by 2030	Diversion rates are estimated at 40% and are continuing to increase	In progress
3. 25% of community organic waste is diverted from landfill by 2025	Diversion rates are estimated at 40% and are continuing to increase	Achieved
4. 100% of households are provided FOGO kerbside bins by 2030	An estimated 50% of households are equipped with FOGO bins based on a voluntary basis	In progress
5. Kerbside recycling contamination rate is less than 10% by 2025	Contamination rates are estimated to be at 12%. Education and awareness will be delivered over the next 2 years	In progress

Action	Timeframe	Cost	Commentary	Status
4.1 Using a waste hierarchy lens, develop and implement a Council wide communication, awareness and education plan and program to build staff capacity to minimise material usage and increase material recovery and optimisation	Long term / ongoing	\$\$	Due to commence in 2024/2025. Actions 4.1 and 4.13 will be combined (Action 4.13 is now discontinued).	Not yet commenced

<b>4.2</b> Review sustainable landfill and FOGO pricing to drive higher waste avoidance, reduction, reuse, recycle and composting rates, and implement changes if necessary	Short to moderate term / ongoing	\$	Pricing is now set and will be reviewed annually	Achieved / Ongoing
<b>4.3</b> Review kerbside collection stream types and frequency, and implement changes if necessary	Long term	\$\$\$\$	Due to commence in 2027	Not yet commenced
<b>4.4 / 2.12</b> Promote commercial FOGO services for organisations generating large volumes of organic waste	Long term / ongoing	\$	Several commercial companies on boarded including LGH, Harvest Markets, Crips, Peppers Silos and local events. Discussions occurring with local supermarkets and additional hotels	In progress
<b>4.5 / 2.13</b> Continue to expand kerbside FOGO collection services to cover entire Local Government Authority boundary	Moderate term	\$\$	All of municipality made eligible for voluntary kerbside FOGO from July 1 2022	Achieved
<b>4.6</b> Invest in expanding the composting facility to cater for increases in materials	Moderate to long term	\$\$\$\$	Due to commence in 2025	Not yet commenced
<b>4.7</b> Plan for and establish a construction and demolition recovery facility	Moderate term	\$\$\$\$	Scoping study and audit now complete. Feasibility study to be completed in 2024	In progress
<b>4.8</b> Conduct kerbside (general waste), landfill and transfer station audits to increase understanding of waste materials and opportunities to divert from landfill	Short to moderate term	\$\$\$	Audit completed. Next audit due in 2024/25	Achieved / Ongoing
<b>4.9</b> Upgrade waste transfer stations to meet best practice standards	Long term	\$\$\$\$	Due to commence in 2027	Not yet commenced
<b>4.10</b> Include best practice waste management practices in tender specifications	Short term / ongoing	\$	Several tenders published in 2022 and 2023 included best practice waste management conditions in tender specifications. CoL working to include best practice waste management practices in all tender specifications	In progress
<b>4.11</b> Conduct an audit of the City of Launceston's operational waste (generation and disposal) to identify material usage minimisation, reuse, recovery and optimisation	Short term	\$\$	Due to commence in 2024	Not yet commenced

<p><b>4.12</b> Increase our knowledge of the life cycle analysis for a selection of Council's frequently used materials or products (e.g. building foundation materials, road base, timber, office paper etc.) and determine whether a more sustainable alternative is available (e.g. lower embodied energy and emissions, higher recycled content, forest stewardship certified (FSC) etc.)</p>	Moderate term	\$-\$\$	<p>CoL is currently investigating the procurement of road surfacing products that incorporates otherwise landfill-bound materials such as soft plastics, crumbed rubber, ground glass, road millings, reclaimed asphalt, and ink toners. CoL has attended information sessions with Austral and Boral to understand lower embodied carbon alternatives to current material usage (e.g. concrete and bricks). CoL is increasing knowledge in sustainable timber products (e.g. scientifically engineered timber). LCA and embodied carbon calculation tools have been researched for future use</p>	In progress
<p><b>4.13</b> Promote waste avoidance and resource efficiencies to employees and at the City of Launceston's owned community facilities through education and awareness programs and effective signage</p>	Short term	\$	<p>Actions 4.1 and 4.13 will be combined (Action 4.13 is now discontinued).</p> <p>Education and awareness has been conducted through bin signage and volunteers stationed at bins at events on Council land. Employees are reminded of Council waste education videos on <a href="#">YouTube</a>. In 2023, FOGO waste collection was rolled out at Town Hall and the uniform reuse and recycle station expanded at Town Hall and Remount Road - both accompanied by appropriate signage and communication and awareness delivery. The roll out of FOGO waste collection across other CoL sites will be explored in 2024.</p>	Discontinued
<p><b>4.14</b> Introduce and implement a policy to have mandatory best practice waste collection systems at the City of Launceston's main buildings (e.g. recycling and FOGO, tender specifications, lease agreements)</p>	Moderate term	\$	<p>Due to commence July 2024 (following completion of waste audit)</p>	Not yet commenced
<p><b>4.15</b> Increase the accessibility of electronic document programs to reduce paper usage e.g. e-forms, e-sign and file share</p>	Short term	\$-\$	<p>Council electronic signature procedure (for internal documentation purposes) developed and implemented. QR codes used as an alternative to paper noticeboards. Council introduced an electronically editable version for the majority of public-facing Council forms. All forms will have an editable version by the end of 2024</p>	In progress
<p><b>4.16</b> Develop a Landfill Plan to understand future capacity and timeframes</p>	Short term	\$-\$	<p>The Landfill Development Plan has been developed (Dec 2022)</p>	Achieved

<p><b>4.17</b> Explore, review and participate in research and development in alternatives to landfill technologies e.g. bioenergy and waste to energy</p>	Long term	\$\$	<p>Council participating in research discussions. Circular North's investigation into the future of waste management for the region and will include a waste to energy component</p>	<p>In progress</p>
<p><b>4.18</b> Expand Action 4.1 to develop and implement a community wide communication, awareness and education plan and program to build the community's capacity to minimise material usage, reduce contamination within waste streams, and divert waste from landfill</p>	Long term / ongoing	\$\$	<p>Council has conducted and supported waste education at local schools, Harvest Markets, Tamar NRM's Plastic Free Launceston working group, Business Resource Efficiency Program (BREP). Council participated in the steering committee and technical committee for NTWMP. Council also hosted the Waste NoT Awards for several years. Further community education to be delivered following the commencement of Action 4.1</p>	
<p><b>4.19</b> Support community reuse and/or repair projects e.g. Tool Library, Repair Cafe etc.</p>	Moderate term	\$	<p>Council supported the opening of <a href="#">Launceston's first Tool Library</a> (Nov 2022) and provided The Redress Hub with textiles waste audit data. Council was successful in obtaining a grant to trial the Launceston Repair Café which is due to commence in April 2024.</p>	<p>Achieved</p>
<p><b>4.20</b> Increase community recycling opportunities e.g. public place recycling hubs and mobile units</p>	Ongoing	\$\$	<p>Council's current community recycling programs include hosting community recycling hubs, the Lilydale recycling trailer, and bike tyre recycling pilot program</p>	<p>Achieved / Ongoing</p>



## 4.5 Natural Capital

This key area aims to achieve the following objectives:

1. Increase understanding of our natural capital
2. Protect and improve our air, land, water and ecosystems
3. Enhance the resilience of natural systems to change
4. Utilise our natural capital to increase community resilience and liveability.

The Sustainable Development Goals and Cities Power Partnership pledge that this key area contributes to include:

The Natural Capital key priority area will focus on improving the City of Launceston's performance score in SDGs:



Target	Commentary	Status
1. Increase the collection of targeted data for evidence-based decision making by 2022	Several ongoing key data collection activities inform management plans (e.g. eDNA and AusRivas sampling methods informs the Urban Waterways Health Management Plan and Rehabilitation Plans)	Achieved / Ongoing
2. Increase the tree canopy cover percentage on City of Launceston owned land (from the 2021 baseline) by 2025 and again by 2030 (shared target with Adaptation & Resilience)	The Urban Greening Strategy was endorsed in December 2023 and implementation is underway. Planting to increase canopy cover will commence in 2024	In progress
3. Improve urban waterway health by 2025 and again by 2030	Analysis of bi-annual macroinvertebrate monitoring of urban waterways will assist evaluation in 2025	In progress
4. No net loss in 'biocondition' rating in City of Launceston's key reserves by 2030	Biocondition assessments are due to commence from 2025	Not yet commenced
5. Increase the extent of wetlands by 2030	Commencement date to be confirmed	Not yet commenced

Action	Timeframe	Cost	Commentary	Status
5.1 Undertake a biocondition assessment of the City of Launceston's key reserves to evaluate biodiversity	Moderate term	\$\$	Due to commence from 2025	Not yet commenced

<b>5.2</b> In line (and if needed) with the findings from the City of Launceston's biocondition assessment, undertake improvement works to increase biodiversity values	Moderate to long term	\$\$- \$\$\$\$	Due to commence in 2025/26	Not yet commenced
<b>5.3</b> Incorporate biocondition assessment findings into reserve management practices (with the inclusion of invasive species management)	Moderate term	\$	Due to commence in 2025/26	Not yet commenced
<b>5.4</b> Assess vegetation management practices to optimise soil and plant health and carbon sequestration (e.g. species selection and watering schedules adapted to future climate projections, the use of pesticides and fertilizers and the impact to soil and plant growth)	Moderate term	\$	Due to commence in 2025/26	Not yet commenced
<b>5.5</b> Queen Victoria Museum and Art Gallery Natural Science Department to register 5,000 biological specimens per year, with up to 10% of specimens from the Launceston municipality	Short term / Ongoing	\$\$	5,000 biological specimens per year, with up to 10% of specimens from the Launceston municipality	Achieved / Ongoing
<b>5.6</b> Develop a procedure to manage the finding of listed threatened species on Council owned and managed land	Moderate term	\$	Due to commence in 2025	Not yet commenced
<b>5.7</b> Continue bi-annual macroinvertebrate monitoring of urban waterways to evaluate waterway health	Short term / ongoing	\$	Biannual sampling completed in 2022 and 2023	Achieved / Ongoing
<b>5.8 / 3.19</b> Develop and implement an Urban Forestry Strategy (with the inclusion of a baseline assessment, setting of targets to increase tree canopy cover, applying a climate adaptation approach and increasing green infrastructure)	Short term	\$\$- \$\$\$	Urban Greening Strategy endorsed in December 2023 and an Implementation Plan developed. Tasmania's first Urban Forester was employed by Council in 2023 to implement the plan.	Achieved / Ongoing
<b>5.9</b> Develop and implement an updated Public Open Space Strategy (with the inclusion of a baseline assessment, setting of targets to increase inclusivity and accessibility to public open space, applying passive cooling principles, and utilising recycled and sustainable materials in infrastructure design and construction)	Short term	\$\$\$	The Recreation and Open Space Strategy is currently in development. Public consultation ended in December 2023 and the final strategy document is due for endorsement in July 2024.	In progress

<b>5.10</b> Develop site specific water quality objectives for turbidity and dissolved oxygen (DO) based on historic water quality results	Short term	\$	This action has been postponed to 2024/25. Other methods are being implemented to measure water quality, therefore the action's relevancy will be determined in July 2024.	Not yet commenced
<b>5.11</b> Undertake sediment and erosion control measure improvements for developments	Short term	\$	In 2023, several external documents were updated including the Urban Waterway Health Program and the State guidelines on erosion and sediment control. An internal policy review for sediment and erosion control has commenced and will continue in 2024	In progress
<b>5.12</b> Increase riparian vegetation in urban watercourses including targeted restoration of threatened species	Ongoing	\$\$	Riparian restoration and revegetation works completed include 2022: Newnham Reserve Stage 1 (civil works and revegetation); landfill open drain (revegetation 8,000 plants); Queechy Lake (weed removal and revegetation) and Jinglers Drive Jingler Creek tributary (earthworks and revegetation); 2023: Jingler Creek tributary Stage 2, Newnham Creek at Hortus Place and Queechy Lake	In progress
<b>5.13</b> Facilitate and support further reinstating and expanding wetlands	Moderate term	\$- \$\$\$\$	Commencement date to be confirmed (based on external funding availability)	Not yet commenced
<b>5.14</b> Target priority areas for daylighting of stormwater pipe assets (e.g. expose the flow of a previously covered stormwater drainage) into urban watercourses when assets reach end of life	Moderate to long term	\$\$\$\$	Commencement date is determined by asset failure	Not yet commenced
<b>5.15</b> Support revegetation projects to reduce fragmentation of native vegetation and improve connectivity for fauna populations that have become isolated due to land clearing	Moderate to long term	\$- \$\$\$	Revegetation projects completed to date include: landfill revegetation project (8,500 plants); landfill open drain (8,000 plants); Council's Bushland Crew annual revegetation program (3,000 plants); Newnham Reserve Stage 2 (14,420 plants), Queechy Lake (1,065 plants), Newnham Creek realignment Hortus Place	In progress
<b>5.16</b> Continue implementation and review of the Willow Management Plan	Short term / ongoing	\$\$	Willow management works ongoing. Willow Management Plan reviewed and updated in 2023	Achieved / Ongoing

<b>5.17</b> Improve environmental awareness among our employees	Short to moderate term	\$\$	Actions 5.17 and 1.4 will be combined and this action is discontinued. Refer to Action 1.4 for relevant update	Discontinued
<b>5.18</b> Explore options for community education around urban waterways including educational signage in high foot traffic areas	Short term	\$\$	Community education delivered including: installation of <a href="#">Stormwater pollution educational signage</a> at two locations in Kings Meadows; Council supported <a href="#">Tamar NRM Source to Sea project</a> ; Council participated as subject matter experts providing exercises and talks on macroinvertebrates and waterway health, the impacts of changing land use on waterways and flood infrastructure and the impact of urbanisation on hydraulic capacity and flow; hands-on education on reducing our waste in waterways (from QVMAG Museum) to primary school students as part of the school's sustainability studies; and QVMAG Big Day of Science, educational and interactive stall on urban waterways	Achieved / Ongoing
<b>5.19</b> Communicate and share data on terrestrial and aquatic biodiversity including listed species, threatening processes and plans to prevent degradation and species loss	Moderate term	\$\$	QVMAG routinely upload data to Atlas of Living Australia (ALA) and share the collection with experts. Council will work towards uploading data/findings from biocondition assessments to Tasmania's Natural Values website and providing relevant mapping	In progress
<b>5.20</b> Establish engagement programs with local schools to improve the understanding off our natural capital and ecosystem services	Moderate term	\$	Delivered engagement programs including: "Story of an Estuary", hands-on education on reducing our waste in waterways (from QVMAG Museum) to primary school students as part of the school's sustainability studies and assisted in the delivering of the Source to Sea school program. Upcoming programs include tree planting with school students and the Urban Greening Strategy youth engagement activities	In progress
<b>5.21</b> Hold a native plant giveaway for residents to support the increase in urban forestry cover	Short term	\$\$-\$	Due to commence in 2024	Not yet commenced

<p><b>5.22</b> Explore options to support the community in identifying opportunities to enhance local sustainable food systems</p>	<p>Long term</p>	<p>\$</p>	<p>Under the My Place My Future Plan, Council supported <a href="#">The FARM</a> (Food &amp; Resilience Movement) which addresses wellbeing, social inclusion, food security and development of a social enterprise in the Northern Suburbs. The Project lead is the Northern Suburbs Community Centre, partners include Starting Point Neighbourhood House, City of Launceston, 24 Carrot Gardens, UTAS, City of Gastronomy &amp; Migrant Resource Centre. In November 2023, Council supported the official launch of Tamar NRM's Community Gardens Open Days</p>	<p>In progress</p>
--	------------------	-----------	--	--------------------

## 4.6 Smart Assets

This key priority area aims to achieve the following objectives:

1. Ensure our governance practices support smart and sustainable assets
2. Increase our knowledge on the current sustainability performance of our assets
3. Facilitate and support the sustainable operation and management of assets
4. Transition to more recycled, efficient and decarbonised assets
5. Apply a sustainability lens to the renewal, upgrade and construction of assets
6. Transition Launceston to a smart sustainable city.

The Sustainable Development Goals and Cities Power Partnership pledge that this key area contributes to include:

*The Smart Assets key priority area will focus on improving the City of Launceston's performance score in SDGs:*



Target	Commentary	Status
1. All City of Launceston owned new builds and major refurbishments apply environmental sustainable design principles commencing 2022	Designs to date at Albert Hall and Princess Theatre have included climate adaptation considerations	Achieved / ongoing
2. Rooftop solar PV is installed on all City of Launceston owned buildings with high energy usage (>200,000 kWh) by 2025	All sites with high-energy use have rooftop solar PV installed except Albert Hall which is undergoing major refurbishment. Solar PV is included in Albert Hall's design and construction is due for completion in 2025	In progress
3. Reduce the City of Launceston's annual fleet fuel consumption by 20% per capita (from the 2018/19 baseline) by 2030	Fuel consumption per capita for vehicles has reduced slightly due to the introduction of EVs. A Sustainable Fleet Guide was developed in late 2023 and details our pathway to significantly reduce fleet emissions	In progress
4. Reduce the City of Launceston's volume of potable water used for non-potable purposes by 2025 and again by 2030	Data loggers on water meters are enabling further understanding of water use patterns. Management measures and targets will be explored in 2024	In progress
5. Install four additional publicly accessible electric vehicle charging stations by 2025	Four electric vehicle chargers were installed in 2022 at Cataract Gorge, Riverbend Park, the Inveresk half-circle car park and at the Lilydale Memorial Hall	Achieved

Action	Timeframe	Cost	Commentary	Status
<b>6.1 / 3.13</b> Investigate opportunities to progress towards an Environmental Sustainable Buildings Policy or Guideline to support the design, construction and major refurbishments of environmental sustainable designed (ESD) for City of Launceston owned buildings (with the inclusion of best practice design guides (minimum design/operation rating system (Green Star, NABERs etc.), minimum renewable energy requirements, adequate building and window orientation, colour/material external fabric, external shading, enhanced natural light, green roof/walls, smart building systems, adequate insulation and ventilation, energy efficient lighting and appliances, rain capture systems, water efficient fittings, minimum reuse and recycled material content, maximum car park spaces, minimum greenspace allocation, vegetation increase/retainment, and climate adaptation principles etc.)	Short term / ongoing	\$\$	Discussions on policy scope have commenced across several teams. Further discussions will take place in 2024	In progress
<b>6.2 / 1.6</b> Update our procurement policy and strategy to ensure goods and services purchased by Council meet criteria for environmental, social and governance responsibility	Short term / ongoing	\$	Updated procurement policy and procedure in development. Policy to be finalised in 2024	In progress
<b>6.3</b> Update our Strategic Asset Management Plan to include sustainability considerations	Short to moderate term	\$	Council's Strategic Asset Management Plan (SAMP) updated to include sustainability as one of the four over-arching objectives	Achieved
<b>6.4</b> Develop a Smart City Strategy to provide a road map to transition the City of Launceston to a leading smart and sustainable city	Moderate to long term	\$\$-\$\$\$	The City Innovation Strategy was endorsed in 2023. The switch from Smart City to a City Innovation Strategy emphasises the focus on people more so than technology.	Achieved
<b>6.5</b> Review building access to promote diversity and inclusion	Moderate term	\$	Due to commence in 2025	Not yet commenced
<b>6.6 / 2.4</b> Continue upgrading our facilities to increase energy efficiencies e.g. efficient heat, ventilation, and air conditioning	Moderate term / ongoing	\$\$\$\$	Upgrade of lighting and HVAC systems underway at various sites including Princess Theatre, Albert Hall and LAC.	In progress

(HVAC) systems, adequate insulation and ventilation, window glazing, high efficiency LED lighting and de-lamping etc.					
<b>6.7</b> Continue to install smart meters and building control systems across our assets to understand energy usage, solar power generation, and increase energy efficiencies	Moderate to long term	\$\$\$\$	Smart meters installed on all rooftop solar PV systems to determine solar energy generation. Investigations underway to determine which buildings would benefit from the installation of smart meters and building control systems to identify future energy saving opportunities.	In progress	
<b>6.8</b> Procure an Energy Management Systems (EMS) to maximise data collection and optimise building efficiencies	Short to moderate term	\$-\$	Council is using Energy Detective to monitor electricity usage across sites	Achieved	
<b>6.9</b> As required, upgrade corporate and commercial equipment (e.g. hot water cylinders, hand dryers, fridges, coolers) to modern energy efficient models	Short term / ongoing	\$	Council completed an audit of current equipment and no upgrades were identified	Achieved / Ongoing	
<b>6.10</b> Conduct a lighting audit across the City of Launceston's assets and replace inefficient lighting	Moderate term	\$	Lighting audit underway at various sites. Inefficient lights replaced, sensor lights installed and de-lamping where possible	In progress	
<b>6.11</b> Review the City of Launceston's corporate building's health profile (e.g. lighting, acoustics, air quality, workspace, biophilic design) to support staff wellbeing	Moderate term / ongoing	\$\$	Due to commence 2024	Not yet commenced	
<b>6.12</b> Continue the roll out of rooftop solar PV installations on buildings with high daytime energy usage (>200,000 kWh)	Long term / ongoing	\$\$\$\$	All sites with high-energy use have rooftop solar PV installed except Albert Hall which is undergoing major refurbishment. Solar PV is included in Albert Hall's design and construction is due for completion in 2025	In progress	
<b>6.13</b> Explore the use of solar batteries for buildings with high night time energy usage	Long term / ongoing	\$	Investigations concluded that batteries are not yet financially viable for Council. The use of batteries will be revisited in 2025	Achieved / ongoing	
<b>6.14</b> Update building leasing contract renewal terms to improve sustainability performance of Council leased facilities	Long term / ongoing	\$	Internal discussions underway regarding information to be included in lease renewals e.g. building is to be operated as per building guide, building induction to be provided by Council to tenants, implementing Council's Single-Use	In progress	



Plastics Policy				
<b>6.15</b> Document and share operating guides for building occupants to maximise operating efficiencies	Short term / ongoing	\$	Due to commence 2024	Not yet commenced
<b>6.16</b> Ensure end of life building, plant and equipment are disposed of in accordance to waste management hierarchy and policies	Short term / ongoing	\$	Due to commence 2024	Not yet commenced
<b>6.17 / 2.6</b> Investigate opportunities to utilise low embodied emission, reusable, and recycled materials for Council construction works, including the construction of assets, asset upgrades and maintenance works whilst adhering to design and construction standards	Short term / ongoing	\$	Council is in the process of procuring road surfacing products from the new asphalt manufacturing plant in Launceston that incorporates recycled materials such as soft plastics, crumbed rubber, ground glass, road millings, reclaimed asphalt, and ink toners. Council attended information sessions with Austral and Boral to understand lower embodied carbon alternatives to current material usage (e.g. concrete and bricks). Council is increasing knowledge in sustainable timber products (e.g. scientifically engineered timber). LCA and embodied carbon calculation tools have been researched for future use.	In progress
<b>6.18 / 2.7</b> Continue the transition of powering buildings, fleet, plant and equipment by renewable energy sources	Long term / ongoing	\$\$\$\$	Council is continuing the transition of buildings to renewable energy with three facilities remaining on gas and ongoing installation of solar panels on Council-managed facilities (installed more than 1,785 panels or 466kW across 13 Council facilities). Council fleet consists of two electric vehicles, one electric truck and two micromobility devices (escooter and ebike). Minor and major plant is being electrified including lawn mowers, street sweepers, power tools and landscaping tools	In progress
<b>6.19</b> Explore the transition of the City of Launceston's Tiger Bus to be powered by renewable energy (e.g. electric or hydrogen fuel cell)	Short to moderate term	\$\$-\$\$\$	Discussions underway on renewable energy options	In progress

<b>6.20</b> Develop and implement a sustainable fleet guideline, including a fuel consumption rate of 6L/100km and a maximum tailpipe emission standard of 130g CO2/km for all new light vehicles	Short term	\$	A Sustainable Fleet Guideline (ECM_4959530) was developed in 2023 and sets out Council's objectives and targets to reduce fuel use and transition off fossil fuel powered fleet	Achieved
<b>6.21</b> Construct an End of Trip facility for the City of Launceston's employees at Town Hall to encourage an increased uptake of active transport to and from work. Promote the facility to the public to encourage other organisations to follow suit	Short term / ongoing	\$\$\$\$	End of Trip facility completed in Jan 2023	Achieved
<b>6.22 / 2.9</b> Investigate and trial alternative transport options for work travel e.g. introduction of electric bikes and scooters to the City of Launceston's fleet	Short term / ongoing	\$\$	Micromobility working committee established and two devices (escooter and ebike) introduced into Council fleet at Town Hall on a trial basis.	In progress
<b>6.23</b> Conduct fuel efficient driver awareness for our employees	Moderate term	\$\$	Fuel efficient driver awareness is now included in the staff vehicle induction training. Further awareness will be delivered to staff via internal communication platforms	In progress
<b>6.24</b> Explore the use of smart sensors across the City to measure usage and improve user experience of Council facilities and assets e.g. people counters, river level sensors, public bbq usage sensors, public wifi, digital bus signage etc.	Moderate term / ongoing	\$\$-\$\$\$	Council has installed IoT sensors and devices across the city to capture data to help decision making, measure success and to improve the overall experience of the community. Examples include a digital bus stop sign trial to provide real-time information to commuters, free public Wi-Fi as a service to support tourism and digital inclusion, air quality and dB level sensors to help benchmark and understand environmental conditions, and river level sensors to provide real time data to help inform decision making during a flood event.	In progress
<b>6.25</b> Conduct a desktop water audit across Council assets and identify areas for increased efficiencies	Short term	\$	Council completed a desktop water audit in 2023 using billing data. Data analysis then informed the site selection for 25 data loggers to be installed typically focussing on complex and high water use sites. Data loggers identified water leaks and provided a range of recommendations to progress water efficiency across Council assets.	Achieved

<b>6.26</b> Develop and implement a water conservation and efficiency plan for the City of Launceston's assets and operations (e.g. parks and recreation areas, facilities, Town Hall, community centres etc.) exploring the use of water efficient technologies, smart meters, recycled/grey water, rainwater harvesting etc.	Moderate term	\$\$	Due to commence in 2024	Not yet commenced
<b>6.27</b> Develop and implement a water and energy saving awareness program for employees	Moderate term	\$\$	Due to commence in 2024	Not yet commenced
<b>6.28</b> Improve signage throughout the City promoting sustainability related assets and initiatives e.g. signs and maps of ecological systems, public transportation, public facilities, green infrastructure and open space placed in pedestrian zones	Moderate term	\$\$	As part of Council's ABCDE Learning Site project, the community aimed to improve public education around the health of the Kings Meadows Rivulet. <a href="#">Signs</a> were installed to encourage residents to consider the waterway in their everyday activities. Further work is underway to increase signage	In progress
<b>6.29</b> Facilitate and support the required infrastructure to support zero emissions vehicle uptake in Launceston	Long term	\$\$\$\$	Council has installed 7 public electric vehicle charging stations across the municipality: Lilydale, Cataract Gorge, Riverbend Park, Inveresk, York St car park, Paterson St East car park and Paterson St West car park. Council will continue to facilitate and support the roll out of infrastructure to further support zero emissions vehicle uptake in Launceston. Plans are underway to increase bike pathways.	In progress
<b>6.30</b> Explore the roll out of a public trial on electric scooters in collaboration with other Councils	Short term	\$\$-\$	Public trial completed in 2021/2022 and e-scooters rolled across the city.	Achieved
<b>6.31</b> In line with the Launceston Transport Strategy 2020-2040 (and in line with Cities Power Partnership pledges), support the roll out of sustainable and active transport infrastructure by industry and state government to increase zero emissions mobility uptake in the community	Long term	\$\$\$\$	Discussions underway with Tasmanian waste contractors and Metro Tasmania regarding zero emission large vehicle trials in Launceston. Metro Tasmania is set to trial four electric buses in Launceston in 2024	In progress

<b>6.32</b> Communicate and share our progress on what Council is doing to encourage more public transport use throughout the city	Short term / ongoing	\$	Council upgraded 26 bus stops in 2023 and plan to upgrade another 40 in 2024. Further work underway to incentivise public transport usage	In progress
<b>6.33</b> Support cycling across the city through the provision of adequate cycle lanes, bike parking and end of trip facilities (in line with Cities Power Partnership pledges)	Long term	\$\$\$\$	Forster Street Bike Path is due for construction in 2024 while the Mowbray Levee to Heritage Forest project is still awaiting funding. 20 hoop bike stands are also due for installation in 2024. Council to promote our End of Trip facility (constructed in 2023) to encourage end-of-trip facilities to be built in the community.	In progress
<b>6.34</b> In line with the Launceston Transport Strategy 2020-2040, develop and implement a public car-parking strategy that promotes sustainable transport modes	Long term / ongoing	\$\$\$	Due to commence in 2024	Not yet commenced
<b>6.35</b> Through the Intelligent Transport System upgrade, utilise the City of Launceston's real-time data on traffic network utilisation and congestion for decision making on future transport infrastructure upgrades	Long term / ongoing	\$\$\$	Real time data from the ITS has informed speed limit reductions, validated traffic modelling results for major developments, determine impact of temporary transport network interventions, and respond to customer service requests.	In progress

## 5. List of Acronyms and Abbreviations

BMS	Building Management System
CER	Clean Energy Regulator
ELT	Executive Leadership Team
ESD	Environmental Sustainable Design/ Development
EV	Electric Vehicle
FOGO	Food Organics and Garden Organics
FY	Financial Year
HVAC	Heating, Ventilation, and Air Conditioning
NABERS	National Australian Built Environment Rating System
NGER	The National Greenhouse and Energy Reporting
QVMAG	The Queen Victorian Museum and Art Gallery
SCWG	Sustainable Community Working Group
UTAS	The University of Tasmania
TBC	To Be Confirmed
T&D	Transmission and Distribution Losses