

12.5. WASTE AND RESOURCES MANAGEMENT STRATEGY 2025-2029

REPORT PURPOSE

The purpose of this report is to provide Council with a report about the outcomes of the public consultation process, proposed changes to the Draft Waste and Resources Management Strategy 2025-2029 and recommend its adoption.

RECOMMENDATION

That Council:

- 1. Note the report on the outcomes of the public consultation process conducted about the Draft Waste and Resources Management Strategy 2025-2029; and**
- 2. Adopt the Waste and Resources Management Strategy 2025-2029 as per the copy attached to this report (Document ID number 47710).**

12.6. ENVIRONMENTAL SUSTAINABILITY STRATEGY 2025-2034

REPORT PURPOSE

The purpose of this report is to provide Council with an overview of public consultation conducted on the Draft Strategy, feedback provided by respondents, Council Administration's response to feedback, and proposed changes to the Draft Strategy.

RECOMMENDATION

That Council:

- 1. Note the contents of this report including the outcomes of community consultation process conducted on the Draft Environmental Sustainability Strategy 2025-2034; and**
- 2. Adopt the Environmental Sustainability Strategy 2025-2034 as per the copy attached to this report (Document ID number 48131).**

12.7. LEASES OVER LOCAL GOVERNMENT LAND – DELEGATION TO CHIEF EXECUTIVE OFFICER

REPORT PURPOSE

The purpose of this report is for Council to review the delegations and authorisations required under the *Local Government Act 1999* to ensure the Chief Executive Officer is appropriately authorised to act on behalf of the Council to enter leasing arrangements over local government land which is not classified as Community Land and other matters.

RECOMMENDATION

That Council:

- 1. Delegates to the Chief Executive Officer:**

12.6 ENVIRONMENTAL SUSTAINABILITY STRATEGY 2025-2034

REPORT INFORMATION	
Report Title	Environmental Sustainability Strategy 2025-2034
Document ID	48355
Organisational Unit	Environment & Infrastructure
Responsible Officer	Environmental Sustainability Officer - Seb Carr
Report Attachment/s	Yes Attachment 1 – 46784 Feedback summary and responses Attachment 2 – 46621 YourSay survey results Attachment 3 – 45928 Written submission Attachment 4 – 48131 Environmental Sustainability Strategy 2025-2034
REPORT PURPOSE	
The purpose of this report is to provide Council with an overview of public consultation conducted on the Draft Strategy, feedback provided by respondents, Council Administration’s response to feedback, and proposed changes to the Draft Strategy.	
REPORT DECISION MAKING CONSIDERATIONS	
Council Role	Owner / Custodian - Manage community assets including buildings, facilities, public space, reserves on behalf of current and future generations
Strategic Alignment	SDP GOAL: Goal 4: Sustainable Environment SDP ACTION: 4.2 Integrate environmental impacts into consideration of service provision and project planning
Annual Business Plan 2023/24	ABP INITIATIVE: Choose an item. ABP PROJECT: Choose an item.
Annual Business Plan 2024/25	ABP INITIATIVE: Environmental Sustainability Initiatives ABP PROJECT: Choose an item.
Legislation	Local Government Act 1999 Environmental Protection Act 1993 Water Industry Act 2012 Environment Protection & Biodiversity Conservation Act 1999
Policy	Environmental Sustainability 5.63.11
Budget Implications	Not Applicable
Risk Implications	Low Risk
Resource Implications	This is a planned resource allocation
Public Consultation	Yes - Recommended
IAP2 Commitment	CONSULT - We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how public feedback input has influenced the decision.

OFFICER'S RECOMMENDATION**That Council:**

1. **Note the contents of this report including the outcomes of community consultation process conducted on the Draft Environmental Sustainability Strategy 2025-2034; and**
2. **Adopt the Environmental Sustainability Strategy 2025-2034 as per the copy attached to this report (Document ID number 48131).**

INTRODUCTION

Council Administration is proud to present the Environmental Sustainability Strategy 2025-2034, the first such strategy for City of Port Lincoln which aims to establish key goal areas and an Action Plan for improvement in performance of Council assets and operations, demonstrating a commitment to action on Council's sustainability objectives.

Notable in the public consultation process was the positive engagement with industry, government agencies, and the local community about the goals of the strategy, and identification of opportunities for collaboration and advancement of objectives.

Feedback has been actively reviewed for opportunities to improve the strategy, with a summary provided in the attachments.

PUBLIC CONSULTATION SUMMARY

Following the below decision at Council's Ordinary Council Meeting on 19 August 2024, the Draft Environmental Sustainability Strategy 2025-2034 was released for public consultation over a five week period, ending on September 27.

During the consultation period, the primary methods of promotion and consultation consisted of:

- Promotion via social media, media release, and Council e-newsletter
- You Say page on Council's website
- Survey and/or written feedback via Council's Your Say web page
- Direct engagement with stakeholder groups
- Distribution and feedback from Council Administration staff
- Community drop-in session, Monday 2nd September from 12:00pm – 1:30pm
- Hard copies at Council office and Port Lincoln Library

12.1 DRAFT ENVIRONMENTAL SUSTAINABILITY STRATEGY 2025-2034**CO 24/143****Moved: Deputy Mayor Ritchie****Seconded: Councillor Hollamby****That Council:**

1. **Receive the Draft Environmental Sustainability Strategy; and,**
2. **Endorse the release of the Draft Environmental Sustainability Strategy for public consultation via 'Your Say' for a period of five weeks (35 days) with a closing date of 5pm on Friday 27 September 2024, plus one community drop-in meeting session.**

CARRIED

Engagement Summary

Activities during the consultation period yielded the following level of engagement with the community:

- 6 survey responses
 - 5 from individual users
 - 1 from Eyre Peninsula Landscape Board
- 1 written submission
- 1 attendee at the community drop-in session
- 6 direct engagement meetings with stakeholders:
 - Eyre Peninsula Local Government Association
 - Primary Industries and Resources South Australia (informal feedback)
 - Veolia Environmental Services (incumbent waste contractor)
 - South Australian Sardine Industry Association
 - Spencer Gulf & West Coast Prawn Association
 - Australian Southern Bluefin Tuna Industry Association

A summary of survey results and full written submissions are included in the Appendix.

In addition to the above engagement and feedback during the public consultation period, the following have been taken into consideration by Council Administration in reviewing the strategy:

- Input from Eyre Bioregional Permaculture Group representative prior to release for public consultation
- Input from Council’s public consultation session on “Goal 4 – Sustainable Environment” held as part of the Strategic Directions Plan review.
- Council’s Draft Strategic Directions Plan 2025-2034 currently out for Public Consultation.

Survey Results Summary

Responses indicating level of importance placed on survey questions by respondents is provided in the table below. Given the low number of respondents (6) the data is statistically insignificant across a population of approximately 15,000 in Port Lincoln, however it does show provide some insight into community priorities.

All priority scores of 1 (lowest) or 2 (second lowest) were provided by a single respondent. Only 4 answers from other respondents were assigned a priority of 3 (neutral).

Six questions received all positive scores of 4 or 5 including:

- Conservation of biodiversity in open spaces
- Stormwater projects to reduce environmental impact on marine environment
- Introduction of a kerbside FOGO collection service
- Increase quantity of resources recovered for recycling
- Reduce amount of material sent to landfill
- Water efficiency initiatives for Council

The two priorities assigned as “5 highest priority” by 100% of respondents were:

- Manage the recycled water scheme to reduce drinking water used for irrigation
- Improve energy efficiency of buildings and infrastructure to reduce electricity costs

Feedback Summary

Full details of written submissions and Council Administration's responses have been included in an Appendix, however main themes are summarised below.

General strategy, framework and community profile:

Respondents on the whole showed support for the Strategy and Goal Areas in general, noting only one negative survey response relating to Goal 1 and Goal 2.

A significant focus of feedback related to Goal 3, reflecting positive engagement with Council's Draft Waste & Resource Management Strategy and the relatively more developed actions included in that strategy. This feedback highlights the benefit of having consulted on both strategies simultaneously.

One respondent provided extensive feedback about expanding the scope of the Strategy beyond Council's core focus to be more integrated with other agencies and services, and a future request to encompass a whole-community action plan and advisory group.

Action Plan:

Fishing industry associations, government agencies and Council's waste contractor were supportive of Council working closely with industry to support improved waste management practices, specifically through opportunities to divert resources from landfill. Support was also widespread for sharing of water quality monitoring data across different agencies and potential collaboration in water monitoring programs.

EPLGA were supportive of Council's Waste & Resources Management Strategy and encouraged innovation in setting zero waste targets for fishing nets and Container Deposit Scheme cans and bottles.

Respondents were supportive of Council's optimisation of the Recycled Water Scheme to take pressure of use of drinking water for irrigation, as well as other water saving initiatives. Two respondents highlighted opportunity for additional rainwater harvesting requirements to be included in planning overlays applicable to new developments.

Several respondents raised the suggestion of a significant tree register as a mechanism to recognise and protect the important role large trees play in supporting biodiversity and providing shade and resilience, and the amount of time it takes to establish and replace these large trees.

Recommended Changes to Draft Strategy

Based on the stakeholder engagement and feedback as well as further internal review by Council Administration, the following changes been recommended in finalising the Strategy:

- Black and white printable version of Strategy to be provided;
- Include wording to clarify intention to report on key elements of sustainability performance in Council's Annual Report;
- Corrections to community profile statistics:
 - 1 degree Celsius "increase" in daily maximum temperatures,
 - Remove number from extreme rainfall event projection;
- Inclusion of wording to identify biodiversity considerations in Council's strategic decisions regarding development of Council land;
- Simplification of Action Plan, reduction of cross referencing and use of abbreviations, removal of duplication of action items in Goals 4 & 5;

- Goal 3
 - rewording of action item around “data management system” to reflect more broadly the need to improve data capture and reporting,
 - Identify action to lobby for improved access to mobile collection of hazardous waste;
- Goal 4 & 5 – include reference in Strategy to review of stormwater overlay in Council’s Strategic Planning Review project as a means of reducing stormwater impacts and increasing rainwater harvesting;
- Goal 5
 - include reference to Strategy to extend and improve the Parnkalla Trail,
 - include wording to consider potential community participation such as citizen science and tree planting;
- Include definition of product stewardship;
- Updates to align with changes to Waste & Resources Management Strategy.

Recommend No Change to Draft Strategy

Significant Tree Register: Council Administration has considered this request, and notes that protection of significant trees is a legislated process applying to metropolitan areas. Despite this, Council will consider opportunity to include provisions for review of large trees on land under Council’s care and control through mechanisms such as street tree and tree removal policies, as well as the proposed action listed under Goal 2 relating to urban tree canopy mapping and street tree planting program.

Zero Waste Innovation Targets: Consideration of advanced zero waste targets for specific waste streams will be given at the time of reviewing the Waste & Resources Management Strategy, with Council Administration noting the need to improve systems for data capture and reporting before setting innovation targets.

Revegetation and Coastal Management: Council Administration notes that although management of coastal reserves is typically a State Government role, a specific action to review the Parnkalla Trail Strategy has been included in the Draft Strategic Directions Plan 2025-2034.

Annual Strategy Review: Council strategies are not reviewed on an annual basis due to resourcing limitations, other than where significant changes in legislation or Council strategic objectives.

Land Use Zoning and Development Approval Process: Council's objective for this version of the Strategy is to focus on assets under Council’s care and control, whilst noting the role of urban planning and development in environmental sustainability outcomes.

Acquisition of Private Land at Murray’s Point: this is not currently a strategic priority of Council due to budget constraints, however Council Administration notes that majority of land at Murray's Point is under Council's care and control, and identifies Murray's Point Masterplan project and Planning Code Review projects both consider aspects of biodiversity in final recommendations.

Updated Strategy

Following completion of public consultation and analysis of feedback, the above changes have been incorporated in an updated Environmental Sustainability Strategy 2025-2034, included as an attachment to this report.

APPENDIX 1 - Consultation & submission feedback and responses - Draft Environmental Sustainability Strategy

Stakeholder	Strategy Section	Feedback	Requested Change to Strategy
Veolia Environmental Services (meeting notes)	Intro/Profile/Framework	Generally supportive of wider strategy.	
	Goal areas - general	-	
	Goal 1 - Towards Net Zero	-	
	Goal 2 - Climate Resilience	-	
	Goal 3 - Waste & Resources	Supportive of working more closely with Council on waste & resources strategy aims to identify further actions. Supportive of better management of construction and demolition waste recycling. Suggested more frequent contractor meetings. Directed Council to new Green Industries SA Strategy in development.	
	Goal 4 - Water Sensitive	-	
	Goal 5 - Biodiversity	-	
Primary Industries & Resources SA (informal) (meeting notes)	Intro/Profile/Framework	Supportive of strategy and framework	
	Goal areas - general	Supportive of goal areas, in particular waste & resources and water quality/biodiversity	
	Goal 1 - Towards Net Zero	-	
	Goal 2 - Climate Resilience	-	
	Goal 3 - Waste & Resources	Supportive of goal area. Recommend engagement with further agencies re: organic and plastic waste, contacts to be supplied.	
	Goal 4 - Water Sensitive	-	
	Goal 5 - Biodiversity	Support working together on water quality monitoring. Currently being done by multiple agencies (PIRSA, SARDI, EPA, NRM, CSIRO, SA Water, Council, Aquaculture Sector), suggest investigate opportunity for streamlining through collaboration.	Update wording to reflect multiple stakeholders in water quality monitoring.

Eyre Peninsula Landscape Board (survey response)	Intro/Profile/Framework	General support for the strategy. Updates to "Community Profile" info: -Native Vegetation 845 hectares. Source EBS study 2010 – since 2010 there would be a fair amount of native vegetation clearance within the Council area. These figures may be available from the Native Vegetation Council (as area approved for native vegetation clearance). Would it be possible to adjust this 2010 figure to be more current. This may be important if these figures are to be used as a baseline to measure Council performance against goals. - 1°C change in average daily maximum temperature - we assume this is actually a 1°C "increase", and it would be better to describe it as such - 11 Increased intensity of extreme rainfall events - it is not obvious what the number "11" stands for in this context	Update climate change projection data regarding daily maximum temperature (1 degree C increase) and increased intensity of extreme rainfall events (11% increase). Updated statistics for native vegetation requested from Native Vegetation Council.
	Goal areas - general	General support for the goals.	
	Goal 1 - Towards Net Zero	-	
	Goal 2 - Climate Resilience	-	
	Goal 3 - Waste & Resources	-	
	Goal 4 - Water Sensitive	-	
Goal 5 - Biodiversity	Suggest consider revegetation activities and coastal management, particularly relevant to Parnkalla and Heritage Trails.	Council notes typically a State Government role in management of coastal reserves, however elements of coastal management to be considered via action identified in Draft SDP 2025-2034 to "Develop Strategy to extend and improve the Parnkalla Trail"	
Eyre Peninsula Local Government Association (meeting notes)	Intro/Profile/Framework	Supportive of strategy and framework	
	Goal areas - general	Supportive of goal areas	
	Goal 1 - Towards Net Zero	-	
	Goal 2 - Climate Resilience	-	
	Goal 3 - Waste & Resources	Supportive of structuring COPL strategy in line with EPLGA strategy. Supportive of industry stewardship initiatives, will provide contact details. COPL is enabler of this discussion in most cases, and often also the service provider. - concerned public recycling bins won't work due to "tragedy of the commons", has been problematic elsewhere. Recommend review experience of other Councils, consider a) CDS bins (can and bottle) as first step, b) a "trial" on foreshore as second step, c) auditing foreshore bins to show the contents - suggest targeting zero CDS in waste stream - suggested targeting "zero nets to landfill", work with industry - suggest lobbying State Government for mobile collection of hazardous waste (eg. paint back scheme) - support education delivery in conjunction with community organisations & Which Bin branding. - no specific data system identified in EPLGA strategy, more around consistent data capture and management.	- Consideration to zero waste targets for specific waste streams will be given at the time of reviewing the Waste & Resources Management Strategy, with Council Administration noting the need to improve systems for data capture and reporting before setting innovation targets. - Rewording of action item to include lobbying for improved access to mobile collection of hazardous waste - Rewording of action item around "data management system" to reflect more broadly the need to improve data capture and reporting.
	Goal 4 - Water Sensitive	-	
Goal 5 - Biodiversity	-		

Australian Southern Bluefin Tuna Industry Association (meeting notes)	Intro/Profile/Framework	-	
	Goal areas - general	-	
	Goal 1 - Towards Net Zero	-	
	Goal 2 - Climate Resilience	-	
	Goal 3 - Waste & Resources	Supportive of goals. "Our sector will increasingly move to a stronger circular economy, both in recycling fish waste and our nets/ropes/cage rings etc. However, this is not cheap, nor are there obvious markets for this product. So, initiatives that bring Council, Green Industries SA and industry together can make a real difference." - Would like to see actions a bit stronger and more overt around industry (social licence and circular economy), stronger message. Suggested follow up opportunities for organics streams.	Considered under Waste & Resources Management Strategy.
	Goal 4 - Water Sensitive	-	
	Goal 5 - Biodiversity	-	
South Australian Sardine Industry Association (meeting notes)	Intro/Profile/Framework	Generally supportive of the strategy, goals and framework. The second half of the document (Action Plan tables) has too much cross referencing and abbreviations so is not accessible to the average reader.	Review Action Plan to simplify/remove cross referencing, table layout, and abbreviations. Water quality & WSUD action items to be covered under "Biodiversity" and duplication removed under "Water Sensitive"
	Goal areas - general	Generally supportive of the goals.	
	Goal 1 - Towards Net Zero	-	
	Goal 2 - Climate Resilience	-	
	Goal 3 - Waste & Resources	- Would like to find out specific data about waste from the industry, eg. ropes, nets, and other. Industry needs to establish standard operating procedures around end of life plastics recycling, eg. disassembly and separation prior to stockpiling for transfer. - Would like "Product Stewardship" defined	Covered under Waste & Resources Management Strategy. Include definition of product stewardship.
	Goal 4 - Water Sensitive	-	
	Goal 5 - Biodiversity	Supported coordination of water quality monitoring between agencies and industries.	Rewording around water quality monitoring to reflect collaboration opportunities
Spencer Gulf & West Coast Prawn Association (meeting notes)	Intro/Profile/Framework	Generally supportive of the strategy, noting their own strategy recently published.	
	Goal areas - general	Generally supportive of the goals.	
	Goal 1 - Towards Net Zero	-	
	Goal 2 - Climate Resilience	-	
	Goal 3 - Waste & Resources	Supportive of Council working with industry around waste stewardship. Prawn Association involvement in new pilot project to recycle fishing nets.	
	Goal 4 - Water Sensitive	-	
	Goal 5 - Biodiversity	Supported coordination of water quality monitoring between agencies and industries.	Rewording around water quality monitoring to reflect collaboration opportunities

Community Members (survey answers)	Intro/Profile/Framework	See survey responses. Typically strong support for strategy and goals, noting one negative survey response.	
	Goal areas - general	Support for goal areas. Suggestions made about possible actions and initiatives.	
	Goal 1 - Towards Net Zero	<ul style="list-style-type: none"> - Support for improving efficiency of housing and building stock. - One negative response challenging necessity to manage carbon emissions, climate change projections and associated risks. 	
	Goal 2 - Climate Resilience	<ul style="list-style-type: none"> - Support for improving efficiency of housing and building stock. - Consider review of mechanism for a significant (shade?) tree register 	Add to Strategy that Council will "Consider possible mechanism to recognise large trees on land under Council's care and control through Council Policies and existing Action Item relating to tree canopy mapping"
	Goal 3 - Waste & Resources		
	Goal 4 - Water Sensitive	<ul style="list-style-type: none"> - Support for minimising drinking water use for irrigation, and other water saving measures. - Support for planning policy to increase requirement for rainwater tank installation 	Revise wording to reflect stormwater overlay review in 2025 Planning Code Masterplanning project
	Goal 5 - Biodiversity	<ul style="list-style-type: none"> - Support for water quality monitoring and managing impacts on biodiversity. - support for increasing native plantings on foreshore and walking trails to improve biodiversity and incorporate in cityscape - support for a significant tree register, specifically for "Shade trees" as a form of climate change resilience rather than neighbourhood character. Examples of recent large shade trees removed without obvious reasons. - support for appropriate plantings that encourage biodiversity & support threatened species - support to update native vegetation study (2010 is too old). Include clarity of species, canopy, cover and height. - support for construction of wetlands to support biodiversity & stormwater management. 	<ul style="list-style-type: none"> - Updated information on native vegetation information requested - Add to Strategy that Council will "Consider possible mechanism to recognise large trees on land under Council's care and control through Council Policies and existing Action Item relating to tree canopy mapping"
Written Submission	Intro/Profile/Framework	<ul style="list-style-type: none"> - Support for development of the strategy, noting preference for future wider scope to include a whole-community action plan with a 'community voice' advisory group. - noted monitoring and evaluation is not mentioned in strategy - noted importance of planning system, land use and land zoning, and that Eyre Peninsula Regional Assessment Panel and Planning and Design Code have not been referenced in the strategy - request to acknowledge role of planning system in environmental outcomes - request for annual review of strategy - request to align development approvals with Council's strategic objectives - print version requested in plain black and white to reduce environmental impacts and costs of printing. 	<ul style="list-style-type: none"> - provide black and white printable version of strategy with reduced graphics - Council strategies are not reviewed on an annual basis due to resourcing limitations, other than where significant changes in legislation or Council strategic objectives. - Council's objective for this version of the Strategy is to focus on assets under Council's care and control, whilst noting the role of urban planning and development in environmental sustainability outcomes - monitoring and evaluation of sustainability performance is addressed within the core action plans of specific goal areas, eg. Waste & Resource Management Strategy, Towards Net Zero emission reporting and management framework, Stormwater Management Plan. - Clarify intention for reporting of performance in each area to be included in Council's Annual Report process.

Goal areas - general	Consider a new GOAL that “Shift towards a more circular economy”	Goal 3 - Waste & Resources and associated Action Plan in this strategy, supported by Council's Waste & Resources Management Strategy 2025-2029 sufficiently addresses Council's position on promoting principles of a local circular economy.
Goal 1 - Towards Net Zero		
Goal 2 - Climate Resilience	<ul style="list-style-type: none"> - Consider GOAL 2 is also about “creating sustainable and resilient communities”. - Design better sustainability systems for existing and new residential developments - Design for the impacts of wildfire events (pre- and post), particularly on properties on the perimeter of Port Lincoln - Re-cover (i.e. revegetate) forgotten spaces - there are many of these and it’s not just about street trees - Elevate community responsiveness and adaptation to climate change - Facilitate preparedness planning for natural disasters and extreme weather events (e.g. implement systems to counter the impacts of sustained heat waves) 	- Climate change risk assessment and adaptation planning action items adequately address points raised within defined scope of Strategy. Opportunities for more advanced measures to be considered during initial phases.
Goal 3 - Waste & Resources	<ul style="list-style-type: none"> - Adjust Council’s services and operations towards a more circular economy - undertake a community-wide study into how Council can be involved in a circular economy - develop a Circular Economy Plan - shift Council’s procurement policy to support a circular economy paradigm including recycled content - support community understandings and undertakings in a circular economy 	<p>Goal 3 - Waste & Resources and associated Action Plan in this strategy, supported by Council's Waste & Resources Management Strategy 2025-2029 sufficiently addresses this item.</p> <ul style="list-style-type: none"> - Council’s existing Procurement Policy 7.63.15 adopted September 2024 includes consideration of environmental sustainability at Objective 6 on p 6.
Goal 4 - Water Sensitive	<ul style="list-style-type: none"> - investigate potential to sequester land in railway yards for wetlands/detention basins servicing Kirton Point and LeBrun Street catchments - request for SMP to consider WSUD initiatives associated with Mallee Park basin - request for rainwater harvesting to be further incorporated as a WSUD measure to mitigate flood peaks. 	<ul style="list-style-type: none"> - opportunities associated with closure of the rail line have been raised with Department of Infrastructure and Transport (DIT) in previous years, noting ongoing discussion with DIT and Viterro around reopening of rail line. - opportunity to use rail yard land for stormwater detention near LeBrun Street pump station is currently being considered by Council Administration along with a range of other options as part of ongoing work associated with implementation of Council's Stormwater Management Plan, and is included as an agenda item in upcoming discussions with DIT. - consideration of WSUD initiatives for Mallee Park basin including construction of wetlands have been included in the Stormwater Management Plan with \$1M funding allocated in Council's long term financial plan, as indicated in the Action Plan contained in this strategy. - include reference in Strategy to review of stormwater overlay in Council’s Planning Code Review project

Goal 5 - Biodiversity

- request for privately owned land at Murray's Point to be acquired for conservation of largest remnant coastal bushland
- build a better understanding of Council's environmental assets
- investigate and value the existing remnant but disconnected mallee ecosystems in the urban framework
- conduct a significant tree/native vegetation audit
- establish a Significant Tree Preservation Register and policy
- provide proactive mechanisms to protect remnant environmental assets
- support community groups who seek to help in areas such as Murray Point

- Add to Strategy that Council will "Consider possible mechanism to recognise large trees on land under Council's care and control through Council Policies and existing Action Item relating to tree canopy mapping"
- Consider opportunities for community participation (citizen science, tree planting program)
- acquisition of private land for conservation of biodiversity is not currently a strategic priority of Council due to budget constraints. Council Administration notes that majority of land at Murray's Point is under Council's care and control, and identifies Murray's Point Masterplan project and Planning Code Review projects will both consider aspects of biodiversity in final recommendations.

APPENDIX 2. Your Say Survey Responses



APPENDIX 2. Your Say Survey Responses

Respondent	1. Do you have any additional feedback on Council's environmental sustainability goals?	2. Do you have any additional feedback on Council's environmental sustainability 10 year action plan?	3. Is there anything missing from Council's draft strategy that you would like to see included?
Eyre Peninsula Landscape Board	The goals are very appropriate. Council might like to consider revegetation activities and coastal management in their Biodiversity Conservation goal. This is particularly relevant for Council reserves and the Parnkalla and Heritage Trails.	<p>Page 2 (Community Profile):</p> <p>-Native Vegetation 845 hectares. Source EBS study 2010 – since 2010 there would be a fair amount of native vegetation clearance within the Council area. These figures may be available from the Native Vegetation Council (as area approved for native vegetation clearance). Would it be possible to adjust this 2010 figure to be more current. This may be important if these figures are to be used as a baseline to measure Council performance against goals.</p> <p>- 1°C change in average daily maximum temperature - we assume this is actually a 1°C "increase", and it would be better to describe it as such</p> <p>- 11 Increased intensity of extreme rainfall events - it is not obvious what the number "11" stands for in this context</p>	
User	The goals are very appropriate.	<p>Page 4 (Community Profile):</p> <p>* 1 Degree C change in average daily maximum temperature - I assume this is actually a 1 degree "increase", and it would be better to describe it as such</p> <p>* Increased intensity of extreme rainfall events - it is not obvious what the number "11" means in this context</p>	Looks good!
User	<p>Housing energy efficiencies are to be improved across existing as well for any new built.</p> <p>Rainwater run-off collection areas; are they an option?</p> <p>Crazy to flush 'drinking quality water' literally down toilets. Install 'non-recycled water' piping that is not connected to toilets, (kitchen), showers, bath, wash basin, laundry, and garden taps.</p>	Built large (also U/G) drinking water tanks, strategically (far away from PRIME residential land locations), to guarantee and serve Port Lincoln's (etc.) drinking water needs in future. That to be stored quality drinking water could hopefully (in future) be pumped from Adelaide, desalination plant and or other regions.	Establish ways, educate, and organize all agriculture industries to end (fertilizer) poisons from being utilized any longer, as well needlessly, posing health & fire risks to Port Lincoln residents, and from poisons flowing into the Todd dam. (street) Rainwater run-off that also feed water dams can then be utilized as quality water storage. Clean up the Todd (etc.) water Dam from the agriculture taxes now expended in 'far too costly' Adelaide.
User	<p>We need CO2 for things to grow why would we want to reduce our carbon footprint if we need carbon dioxide for a green canopy over Port lincoln the amount of CO2 australia put out is miniscule it's just a scam to make us pay for projects that will not make any difference same as the climate change Yes the climate does change but there is nothing that human species can do to stop it it involves over millions of years the sea has not rose on Port Lincoln for the last sixty odd years that I can recall. Stick to upgrading our roads and foothpaths and Storm water .</p> <p>We don't want this as it's costs we the rate payer has to shoulder with rates going up this year we can't afford this.</p>		

I really welcome Council's initiative to develop an Environmental Sustainability Strategy, and agree with the broad areas.

Personally it gives me great joy to see Councils' use of local native plants to beautify areas like the wharf. When the pig face is in flower the vista is stunning. I also like the fact that gum trees have been planted to create shade and an aesthetic screen; and these will become a great wind shelter once they've become fully established.

The new play space near the town jetty is another very welcome addition to Port Lincoln, the design and use of native plants creates a peaceful ambience. I was a little disappointed that a representation of the fishing industry was not incorporated (eg re-cladding the previous foreshore playground vessel wheelhouse with wood to give it a facelift). The addition of a miniature fishing vessel or wheelhouse/crows nest might be an idea for a later expansion - the Kalbarri WA play space incorporates a crows' nest/pirate ship design as a climbing structure which also acts as a launch area for a short zip-line into the sand pit.

REGISTER AND RETAIN all remaining large and/or existing effective shade trees MUST become an extremely high priority for 'Climate Adaptation'. Trees take time to grow to become useful shade - the continued destruction and removal of shade trees is extremely disappointing.

Some recent examples include REMOVAL OF

- Eucalypts in front of the Beer Garden, these were a food source for musk lorikeets and nice shade to park under (replacing with jacarandas are effectively useless as habitat for local birds)
- the lovely established shade tree at the wharf end of the foreshore beach, the mosaics in the paving are a nice touch but it is no longer possible to sit and appreciate these because it is too hot in the direct sun!
- eucalypts in the marina, leisure centre carpark - these were great shade and wind shelter in a dusty hot area and also provided shelter for Nankeen night herons and food for musk lorikeets. These were replaced with useless ficus's which only provide food for over-abundant species like sea gulls which create nuisance and defecate on roof's and infrastructure
- the Eucalyptus sideroxylon (and others) from the round-about area between Coles, Westpac, Bayroom and Woollies - this was critical shelter and food for the musk lorikeet as well as shade for pedestrians and cars.
- large gum at O'Connor reserve (perfectly healthy established tree cut down because teenagers swung on a branch causing it to break off).

Musk Lorikeets are now EXTINCT in Pt Lincoln City

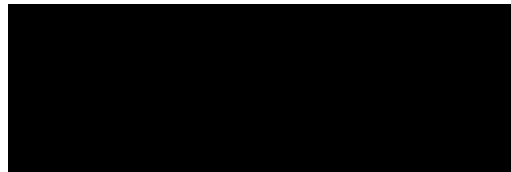
As priority:

- Update Native vegetation report (2010 is OLD). Include clarity of species, canopy cover & height.
- Establish tree register to retain and promote the health of ALL remaining trees, STOP poisoning, compacting & paving root zones
- In wider LGA area discussion/promote concept of conveyor to deliver grain to Port Lincoln silos/wharf. This could follow existing rail corridor and use multiple solar/wind/battery points along the length for renewable and sustained power.
- Water security introduce a requirement of eg 10,000L rainwater tank for every bedroom (tanks reduce runoff into storm water system and reduce pressure on underground basins). Promote use of water saving devices like composting toilets.
- For biodiversity, climate adaptation, storm water management, water security
- Establish wetlands at every possible location, and at each stormwater outlet along foreshore beach - small wetlands filter polluted run-off, protecting sea-grass; slow the flow, reducing erosional energy and creating foraging and resting areas for local shorebirds (osprey, oystercatchers). Establish shellfish reefs at each to give additional benefit of slowing coastal erosion, removing nutrient which currently promotes razorfish, and provide habitat/nurseries for fish. The disused rail corridor also offers opportunity for stormwater/wetland system with a functional conveyor for delivering grain to wharf/silos.
- Retain & improve Greyhound road/Murray Point environmental values

CITY OF PORT LINCOLN

DRAFT ENVIRONMENTAL SUSTAINABILITY STRATEGY 2025-2034

COMMENTS



26 September 2024

Introduction

Council is commended for the significant advancements compared with previous years, in environmental sustainability as presented in the Draft Strategy. There is much to do and substantial catching up.

Comments have already been submitted on one of the Environmental Sustainability Strategy's (ESS) Goals - the Draft Waste and Resources Strategy. This commentary focuses on the remaining four components - Towards Net Zero, Climate Resilience, Water Sensitive, and Biodiversity.

But first, Sustainability lesson no. 1 ... use less ink! I suggest that a plain text version of the graphics-heavy ESS be available to the public should anyone wish to print the document without consuming coloured ink. Whilst the document as presented might be assumed for screen viewing of whatever size - desktop to mobile - in general it is recognised that better critical analysis is undertaken from reading a printed copy just like reading a book, thus improving cognitive outcomes.

Likewise, it is noted that many of Council's other strategy documents are heavy on graphics and colour, and sometimes I wonder whether they get in the way of the content.

The following observations are in no particular order but are presented as a contribution of commitment to change, for that is what is needed across the local region.

Observations

1. The 10-year Action Plan is succinct and credit must go to Council and its officers for preparing the overall strategy. My initial impression is that it appears the ESS has been prepared for Council's own purposes, as illustrated by the allocation of "Strategy Items" to Council "Teams".

I wish to stress again that without a strong community voice the ESS is at risk of becoming just another internally produced plan that the community has little interest in. Council would know how difficult it would be to capture a range of voices, even dissenting ones that challenge the script.

I accept the current version of the ESS is a starting point, however the missing link in the environmental chain and one that will need to be inserted as soon as possible, is a community voice. I also accept that a community voice of sorts was involved to provide comment and feedback at the initial post-preparation phase but this was a brief facilitated workshop on a plan that had already been produced.

In the future, I recommend establishing an **Environmental Voice Advisory Group** that would ultimately provide greater community acceptance of, and strength to, the ESS.

2. **Monitoring and Evaluation** is not mentioned in the ESS but will be critical to how well the Strategy is progressing, and whether Goals are being satisfied or whether they require acceleration. Gaps can also be more easily identified.

Two simple methodologies that can be used within Council and at the community level are SWOT and Foresighting. The latter in particular allows people to think in alternative ways about the future, to help form a shared understanding of the local systems and their future, and to make better-informed decisions. Climate Change is one such area that the community should be more engaged with.

Note - Foresighting and how to apply it is one of the themes that would be introduced at the proposed Environment Centre.

3. Port Lincoln has significant advantages because of its remote position. It should be easier to collect and analyse data from across the whole local economy, but the ESS appears to be focused on just Council's own activities. The Strategy could be a whole-community action plan, and this includes businesses, sports entities, schools, and the health services sector.

4. **Boundaries.** Environmental sustainability does not recognise borders or boundaries, therefore partnerships and collaborations are expected to be forged to achieve planned environmental outcomes. No organisation can operate in isolation from its neighbour or compatriot or competitor. We are all in this together.

For example, other organisations that should be important collaborators are Landscape Board (EP), DC LEP, DEW, EPLGA, and importantly but not acknowledged is EPRAP.

With respect to DCLEP, it is an anachronism that CoPL would have a working ESS but its adjoining neighbour does not. Conceivably up to 2000 (maybe more) of that Council's citizens choose Port Lincoln as its community of interest, and they will all have some impact in one way or another on the environmental sustainability of Port Lincoln. This important matter has not been countenanced in the ESS.

5. **Planning.** The planning system is a critical element in achieving the Goals of the Strategy, but it seems not to have been considered. Every link in the environmental chain, and as presented in the 10 Year Action Plan, is connected to **land use**. It is inescapable. If behavioural change is the ultimate destination, then we all must think about our impacts on the land we occupy and the impacts on the wider world. Here is an example.

Planning, land use, the environment, biodiversity, the local community, and the local economy all became casualties when the proposed Whalers Way Orbital Launch Complex was first announced in 2018. These casualties continue to this day. Governments and the proponent demonstrably failed to uphold environmental values. And EPRAP also failed in its duty of care. They are all impacting on the psychology of concerned citizens who have taken on the role of environmental protectionists, because governments (and local governments) have failed to uphold their duties and responsibilities.

Thus, the ESS could be at grave risk of not achieving its goals because of the impacts of external decisions and influences, and the effects of unthinking developers, on the minds of citizens. If governments don't care,

why should they? That is the risk.

Remember, environmental sustainability does not recognise borders, and we would be fooling ourselves if we thought that there would be no impact from activities outside Council's boundaries.

It is notable that the ESS (pg. 5) excludes the Planning and Design Code as a "supporting" document. There are serious flaws in the planning system in SA, contrary to the views of the Planning Minister, and they are no more evident than the irrational location at Billy Lights Point of the proposed desalination plant. Council voiced its objection, but it was not on the basis of environmental protection and the rules in the Planning and Design Code.

This location compromises not just the Planning and Design Code but it will also have a serious impact on the ability for the ESS to vindicate protections at Murray Point.

A further matter that has not been countenanced in the ESS is related to land use zonings. Sure, there is a line in Biodiversity that mentions "Murray Point Masterplanning", but does this just relate to the parcel owned by the people i.e. Council? Clearly, the zones - General Neighbourhood, Deferred Urban, and Strategic Employment - in the whole Murray Point locality are inappropriate, and should be changed as a matter of priority. This land should also be acquired for purposes of conservation of the largest remnant of coastal bushland, and which is disconnected from other bushland areas, in Port Lincoln. The benefits would be enormous.

Thus, planning is a critical component in all facets of the Strategy, and should be acknowledged accordingly.

6. Further considerations

Consider GOAL 2 is also about "creating sustainable and resilient communities".

- Design better sustainability systems for existing and new residential developments
- Design for the impacts of wildfire events (pre- and post), particularly on properties on the perimeter of Port Lincoln
- Re-cover (i.e. revegetate) forgotten spaces - there are many of these and it's not just about street trees
- Elevate community responsiveness and adaptation to climate change
- Facilitate preparedness planning for natural disasters and extreme weather events (e.g. implement systems to counter the impacts of sustained heat waves)

Consider also;

- build a better understanding of Council's environmental assets
- investigate and value the existing remnant but disconnected mallee ecosystems in the urban framework
- align development approvals with Council's strategic objectives
- conduct a significant tree/native vegetation audit
- establish a Significant Tree Preservation Register and policy
- provide proactive mechanisms to protect remnant environmental assets
- support community groups who seek to help in areas such as Murray Point

Consider a new GOAL that "Shift towards a more circular economy"

Adjust Council's services and operations towards a more circular economy

- undertake a community-wide study into how Council can be involved in a circular economy
- develop a Circular Economy Plan

- shift Council's procurement policy to support a circular economy paradigm including recycled content
- support community understandings and undertakings in a circular economy

7. **Water Sensitive Action.** Port Lincoln's greatest under-utilised land asset is the railway yard that extends from from London St. bridge to LeBrun Street. Should rail movements resume in the future, it is most likely they will be curtailed, thus resulting in substantial idle space in the rail yard. As a civil engineer who has designed many urban drainage systems in the past, including constructed wetlands, I urge Council to investigate the potential to sequester land in the railway yards for a series of constructed wetlands to capture urban runoff from the Kirton Point catchment and the LeBrun Street receival area. Council has apparently adopted the "Updated Revision" 2019 version of the SWP, but I believe there are critical gaps in the Plan. Here is one.

In terms of the LeBrun Street area, to my mind it is unsatisfactory for properties in that locality to be subjected to higher risks of storm flooding when an alternative solution is available.

The Strategy refers to the Council's Stormwater Management Plan, and the associated Program contains two entries for the LeBrun Street system. The SWP has not considered other approaches to stormwater management. If no investigation has been undertaken of the potential to sequester land in the railway property, then two options for consideration in the ESS are;

- A. a flood retention basin/constructed wetland at the corner of Porter Street and LeBrun Street at the Mortlock Street roundabout
- B. a flood retention basin/constructed wetland along the eastern side of the main rail line and north of the LeBrun Street crossing; this might mean a reconfiguration of the alignment of the main rail line.

As a former railway engineer, I have noted that most of the shunting yards appear to be redundant, and there is scope to reconfigure the rail yard layout to accommodate essential rail movements, but to optimise the land use accordingly. It may be that the yards will not be needed again.

Following the closure of the rail network in 2019, I offered to Council representatives on three separate occasions an environmentally sustainable solution for stormwater drainage to relieve the inflow to the existing pumping system that is prone to significantly higher risk in times of severe storm events. If a call to Aurizon (the lessee of the rail yard property) and the state government (the owner) has not been made to ask the simple question about the potential availability of land for an essential service (stormwater management) then I suggest it is time.

The pump system is a typical engineering solution with little regard for the pollution of Boston Bay.

Another significant matter is the Mallee Park basin and locality. The SWP described some aspects but offered little else. The significant disjunction between infrastructure availability (i.e. Mallee Park storage) and development is no more apparent than the current shed developments in Seaton Avenue that collectively discharge a large volume of roof runoff to the drain system that ultimately discharges to the basin at Mallee Park.

If WSUD was applied to this precinct then a significant portion of roof runoff could have been captured, stored, and re-used. But it has not happened. It is a failure of policy and the planning system.

The SWP mentions Education and Awareness (SWP pg. 51) but I am not aware that this is undertaken by Council.

WSUD is also about on-site storage - rainwater tanks - but again the SWP (pg. 53) is outdated, however it is correct to say that rainwater tanks can have a substantial effect on attenuating flood peaks up to the 5 yr AEP (Annual Exceedance Probability as it is now referred to). Thus, the ESS could add further detail about on-site storage actions supported by an audit of the current storage capacity throughout Port Lincoln.

Other strategies exist in WSUD, but I will leave my comments at that for now.

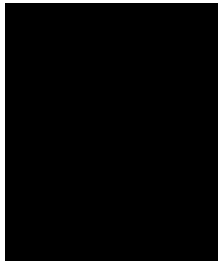
Conclusion

The ESS is a good start in Port Lincoln's transition to a more sustainable future, but there are potential headwinds. If the ESS is to be successful it must be kept alive, to be annually reviewed, to be self-critical, and to be more than just an action plan for Council itself.

Council is just one spoke, albeit a significant one, in Port Lincoln's urban life. All the other spokes must be inserted into the wheel, and this includes the community. An empowered community with a voice will be critical to the success of the ESS.

It is not expected that Council will have all the answers, but it is expected that the community be a vital part in the transition to true environmental sustainability.

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ENVIRONMENTAL SUSTAINABILITY STRATEGY

2025-2034



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ACKNOWLEDGEMENT OF COUNTRY

We acknowledge the Barngarla People, the Traditional Owners of the land on which the City of Port Lincoln rests and their continuing connection to land, sea, culture and community. We pay our respects to Elders past, present and emerging, and we extend that respect to other Aboriginal and Torres Strait Islander people in our community.

EXECUTIVE SUMMARY

These are the actions City of Port Lincoln has planned over the next 10 years to progress our five environmental sustainability goal areas:



1. Towards Net Zero

ACTIONS

- Carbon emission management framework
- Carbon emission reduction projects
- Corporate sustainability governance update
- Additional resourcing for environmental sustainability program
- Support community emission reduction initiatives



2. Climate Resilience

ACTIONS

- Climate change risk management
- Coastal hazard adaptation planning
- Street tree planting & tree canopy mapping
- Bushfire Management & Treatment Plan
- Stormwater sea-level rise adaptation planning



3. Waste & Resources

ACTIONS

- Finalise Waste Management Strategy
- Sustainable Kerbside Collection Services: Recycling and FOGO
- Waste & Resources Coordinator
- CBD & Foreshore street recycling bins
- Further initiatives identified in Waste & Resources Management Strategy



4. Water Sensitive

ACTIONS

- Recycled Water Scheme review
- Recycled Water Scheme operational maintenance and asset management
- Council water efficiency initiatives
- WSUD development & stormwater quality improvement initiatives
- Strategic Planning Code Review of stormwater overlay
- Stormwater projects with WSUD focus



5. Biodiversity

ACTIONS

- Seek representation on EP Landscape Board
- Biodiversity conservation actions
- Cat management program
- Murray Point Masterplanning
- WSUD Stormwater Initiatives

COMMUNITY PROFILE



TOTAL AREA
3,037
Hectares



ESTIMATED POPULATION
14,947
as at June 2022*



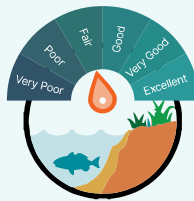
COASTLINE
21
Kilometres



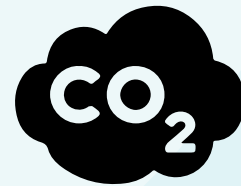
AVERAGE RAINFALL
491
Millimetres
(Source : BOM)



NATIVE VEGETATION
845 Hectares
Source: EBS Ecology Study, 2010



AQUATIC ECOSYSTEM CONDITION IN 2022
dropped from "Good" to
FAIR
Source: EPA South Australia



CARBON EMISSIONS
from the Port Lincoln community
106 kiloton
Source: SnapshotClimate 2021



MEAN CLIMATE PROJECTIONS FOR PORT LINCOLN BY 2030:

Reference period: 1986-2005
Medium emissions scenario (RCP 4.5)



9%
ANNUAL RAINFALL
decline



1°C
INCREASE IN AVERAGE DAILY
MAXIMUM TEMPERATURE



Increased intensity
**OF EXTREME
RAINFALL
EVENTS**

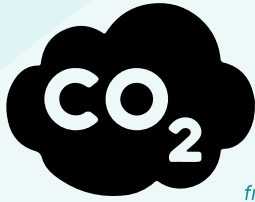


20%
increase in number of days of
SEVERE FIRE DANGER

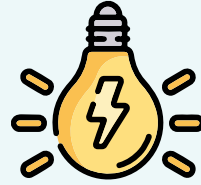
Source: SA Department for Environment and Water

COUNCIL PROFILE

Years vary due to incomplete data sets



776
tonnes
CARBON EMISSIONS
from Council operations
FY21/22



950,000
kWh
ELECTRICITY CONSUMED
by Council assets
in FY21/22

3,888
tonnes
CARBON EMISSIONS
from food and garden
organics in the red bin
in FY23/24

12,281
tonnes
RUBBISH TO LANDFILL
in FY23/24

1,616
tonnes
RECYCLED
in FY23/24



8,280
properties
**RECEIVE KERBSIDE
WASTE SERVICE**

65%
properties
**PARTICIPATING IN
KERBSIDE RECYCLING**



67%
**ORGANIC WASTE
SENT TO LANDFILL**
in FY23/24



1,209
tonnes
MULCH PRODUCED
in FY23/24



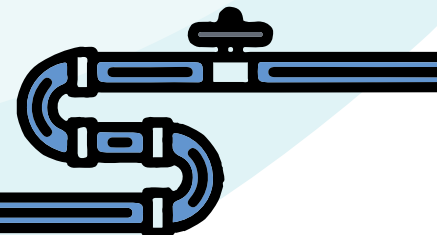
49.6
megalitres
**POTABLE WATER
CONSUMED BY COUNCIL
OPERATIONS**
FY21/22



163,963 m2
OPEN SPACE IRRIGATED
with recycled water

43.8
megalitres
**RECYCLED WATER
FOR IRRIGATION**
of Council reserves
FY22/23

13km **RECYCLED WATER SUPPLY
PIPEWORK**



WHY IS THIS STRATEGY NEEDED?

The City of Port Lincoln is committed to protecting and enhancing our natural environment for future generations. This strategy has been developed to ensure we take an integrated approach to our environmental sustainability goals across Council operations including action on climate change, projects that benefit our local ecosystems and natural resources, improving our internal practices, as well as community support and advocacy for initiatives that contribute to a more sustainable region.

The environmental sustainability goal areas are derived from **Goal 4** of our **Strategic Directions Plan 2021-2030** fall into the following 5 broad categories.



ENVIRONMENTAL SUSTAINABILITY FRAMEWORK

Environmental sustainability is relevant to all the things we do at City of Port Lincoln. This framework illustrates how Council's sustainability goal areas from our Strategic Directions Plan link to our core service delivery areas.

STRATEGIC DIRECTIONS PLAN



ENVIRONMENTAL SUSTAINABILITY FRAMEWORK



1. Towards Net Zero
2. Climate Resilience
3. Waste & Resources
4. Water Sensitive
5. Biodiversity

COUNCIL SERVICES (POLICIES | ACTION PLANS)



- Community & Civil Infrastructure
- Development Services
- Environment & Community
- Community & Wellbeing
- Corporate Services
- Governance Services

SUPPORTING PLANS & STRATEGIES

The following plans and strategies are aligned with this framework:

- Council Climate Emergency Declaration (CO 19/148, August 2019)
- Goal 4, Strategic Directions Plan 2021-2030
- Goal 4, Annual Business Plan 2024/25
- Stormwater Management Plan
- Waste & Resources Management Strategy 2025-29
- CBD, Foreshore & Marina Masterplan
- Open Space Strategy 2021-26
- LGA SA Climate Support Program
- LGA SA Climate Ready Coasts Program
- LGA SA Net Zero Accelerate Program
- EP Regional Waste & Resources Strategy
- State & Federal emission reduction legislation targets
- State & Federal targets for food and organic waste management
- State Planning and Design Code

OUR GOALS

The City of Port Lincoln will be a leader in regional Local Government Environmental Sustainability. We will manage our carbon emissions, plan our city to adapt to a changing climate, and manage our impact on the local environment. We will do this through the following goal areas over the next 10 years, reporting on performance in Council's Annual Report.



Both the Australian Government and South Australian Government have adopted policies for action on Climate Change in line with the Paris Agreement and science-based targets approach, with reporting practices emerging across the economy to monitor progress.

Council's target for carbon emissions reduction will be developed in line with this legislation to achieve net zero emissions by 2050. This target will be underpinned by Council through development of an emissions reduction plan incorporating reporting, interim reduction targets and a prioritised action plan to support ongoing investment.

Council will also continue to advocate for and support appropriate initiatives that achieve community wide carbon emissions reduction.



Adverse impacts due to effects of climate change such as frequency and severity of drought, extreme heat, fire danger ratings, and sea level rise pose a risk to our environment, infrastructure, businesses, and the community.

Council will manage this risk through climate change adaptation planning to improve the city's physical assets and services' resilience to climate change. We will also ensure that our planning and development policy decisions are aligned to the current and future needs of our city in the context of a changing climate.

We will also continue to advocate for and support community projects and initiatives that improve our climate change resilience.



Minimising Waste

Managing our waste in line with the waste hierarchy of Prevention, Reuse, Recycle, Recovery and Disposal is crucial to minimising adverse impacts to our natural environment.

To achieve this Council has drafted a Waste and Resources Strategy and Action Plan supported by State and Regional plans based on the following objectives:

1. Reduce waste generation and increase landfill diversion
2. Increase the recovery of resources
3. Deliver reliable, flexible and cost-effective services that meet the needs of the community
4. Protect and conserve the natural environment
5. Implement governance structures that support collaboration and partnerships

Key to achieving these objectives will be a process of reporting on and continual improvement of Council's waste management services, development of additional streams of resource recovery such as the introduction of a kerbside Food Organics and Garden Organics service (FOGO), and supporting community awareness and education around minimising waste.



Water Sensitive

Water is one of our most precious resources. Degradation of our water resources and our coastal and marine environment impacts the economic, social and environmental health of the region.

Council will work with local and state government agencies, businesses, and community stakeholders to incorporate Water Sensitive Urban Design (WSUD) principles in our stormwater network and planning tools to minimise impact of stormwater outfall on our coastal and marine environment. In particular, we will progressively work towards the objectives of the City of Port Lincoln Stormwater Management Plan and industry best practice.

Council will also manage our use of scarce water resources for Council operations. Initiatives that reduce our reliance on potable water use such as management of the recycled water scheme for irrigating Council reserves, improvements to irrigation and monitoring systems, as well as considering the use of rainwater tanks and using water efficient fixtures and fittings will continue to be a priority.



Biodiversity Conservation

Maintaining healthy ecosystems is important for our community. Maintaining a positive relationship between our people and our natural environment will ensure the long-term integrity of these systems.

Public open spaces, parks, reserves and trails will be responsibly designed, developed and managed to minimise the use of chemicals, control environmental pests and weeds, and enhance the urban tree canopy to enhance biodiversity in our natural environment.

Conservation of biodiversity will be considered in Council's strategic decisions regarding development of Council Land.

Council will implement and continually improve its bushfire prevention planning and practice for Council reserves based on the key principle of managing fuel loads whilst preserving biodiversity in accordance with the Lower Eyre Peninsula Bushfire Management Area Plan.

We will also work collaboratively with partners and the community to build knowledge and opportunities to connect and care for the natural environment.

10 YEAR ACTION PLAN

Note: Estimated Budget Allowances Only

1. Towards Net Zero

STRATEGY ITEM	Team	Role	24/25	25/26	26/27	27/28	28/29	
1.1 Carbon emission reporting and management framework	GMEI, MFB, MPP	Implement	\$25,000	\$10,000	\$10,300	\$10,609	\$10,927	
1.2 Carbon emission reduction projects	MPP	Implement	\$20,000	\$150,000	-	\$150,000	-	
1.3 Corporate sustainability governance update	GMCC, MFB	Implement	Internal		\$5,000	Internal	\$5,305	
1.4 Additional resourcing for environmental sustainability program	GMEI	Implement	-	\$50,000	\$75,000	\$100,000	\$103,000	
1.5 Support community education and emission reduction initiatives	EM, CEO, GMCC, GMEI	Advocate	Internal, ongoing					
		Sub-TOTAL	\$45,000	\$210,000	\$90,300	\$260,609	\$119,232	

2. Climate Resilience

STRATEGY ITEM	Team	Role	24/25	25/26	26/27	27/28	28/29
2.1 Climate change risk management	CEO, GMEI, GMCC	Implement	Internal	\$10,000	\$10,300	Internal, ongoing	
2.2 Coastal hazard adaptation planning	GMEI, MCAO, MDR	Implement	\$10,000	\$25,000	\$25,750	Internal, ongoing	
2.3 Street tree planting & tree canopy mapping	GMEI, MPP	Implement	Internal	\$30,000	\$50,900	\$31,827	\$32,782
2.4 Bushfire Management & Treatment Plan	MDR	Implement	\$100,000	\$100,000	\$100,000	\$50,000	\$51,500
2.5 Stormwater sea level rise adaptation planning	MCAO	Implement	-	\$50,000	(TBC pending completion of planning)		
		Sub-TOTAL	\$110,000	\$215,000	\$186,950	\$81,827	\$84,282

29/30	30/31	31/32	32/33	33/34	NOTES
\$11,255	\$11,593	\$11,941	\$12,299	\$12,668	Year 1 - GHG inventory, establish targets, reporting and action plan Year 2 - Energy efficiency upgrade strategy for council assets Year 3 - Sustainable corporate fleet strategy (eg. EV, hybrid) Year 4 - GHG inventory & reporting Review membership with appropriate industry groups and peak bodies to provide technical and strategic support.
\$200,000	\$200,000	-	-	-	Progress major facilities for energy efficiency upgrades (eg. Leisure Centre, Ravendale, NAC, Civic Centre, Recycle Water Network, LED street lights, etc.) In line with Commonwealth Community Energy Upgrade Funding objectives, Round 2 to open January 2025.
Internal	<i>Internal, ongoing</i>				Corporate systems and policy review eg. procurement, ESD guidelines, Council waste systems, sustainable events guidelines, facilities operation, position descriptions, etc.
\$106,090	\$109,273	\$112,551	\$115,927	\$119,405	Increase staff resources in Environmental Sustainability to deliver program of work in line with adopted strategy.
<i>Internal, ongoing</i>					Lobby and provide support for community projects and initiatives such as EV infrastructure, community scale renewable energy projects, etc.
\$317,345	\$326,493	\$124,491	\$128,226	\$132,073	

29/30	30/31	31/32	32/33	33/34	NOTES
<i>Internal, ongoing</i>					Review and implement recommendations from 2024 LGA Climate Support Program including Climate Risk Management Training, Governance Review, and Risk Assessment. Addresses Emergency Management Plan Action 1.3: Assess impact of climate change on Council's future emergency risk profile.
<i>Internal, ongoing</i>					Review recommendations from 2022 Coastal Scoping Study & Cell 2 Town Beach Adaptation Study in line with LGA Coastal Hazard Adaptation Planning Guidelines. First round LGA funding anticipated from early 2025 under Climate Ready Coasts program. Additional funding to be sought from Federal Disaster Resilience fund available for main body of work required for Urban Planning project.
\$33,765	\$34,778	\$35,822	\$36,896	\$38,003	Year 2: commence \$30,000 p.a. towards street tree planting program Year 3: Urban tree canopy mapping project to identify key objectives. Consider opportunities for community participation. Consider extension of Streetscaping and Tree Management Policy to acknowledge value of maintaining specific large trees on land under Council's care and control.
\$53,045	\$54,636	\$56,275	\$57,964	\$59,703	<i>Strategy to reassess our defensive posture with respect to bushfires and increasing risk due to climate change. SAFECOM Risk & Resilience Funding Application: \$300k over three years on a 50:50 matched funding basis.</i>
<i>(TBC pending completion of planning)</i>					<i>Strategy 4: Planning for Sea Level Rise. Project to look at adaptation measures for stormwater infrastructure due to risk of future sea level rise, as per recommendation Strategy 4 in 2019 Stormwater Management Plan.</i>
\$86,810	\$89,415	\$92,097	\$94,860	\$97,706	

3. Waste & Resources

STRATEGY ITEM	Team	Role	24/25	25/26	26/27	27/28	28/29
3.1 Finalise Waste Management Strategy	MCAO	Implement	Internal resources				
3.2 Sustainable Kerbside Collection Services: Recycling & FOGO	MCAO	Implement	\$50,000	\$275,000	\$485,000	Internal, ongoing	
3.3 Waste and Resources Coordinator	MCAO	Implement	-	\$40,000	\$41,200	\$42,436	\$43,709
3.4 CBD & Foreshore street recycling bins	MCAO	Implement	-	\$29,680	\$90,740	\$16,213	\$16,699
3.5 Further Initiatives as per Draft Waste Management Plan	MCAO	Implement / Advocate	-	\$56,500	\$6,545	\$6,741	\$65,476
Sub-TOTAL			\$50,000	\$401,180	\$623,485	\$65,390	\$125,884

4. Water Sensitive

STRATEGY ITEM	Team	Role	24/25	25/26	26/27	27/28	28/29
4.1 Recycled Water Scheme review	GMEI	Implement	\$20,000	\$20,000	(TBC pending completion of review)		
4.2 Recycled Water Scheme Asset Management	MCAO	Implement	\$6,000	\$779,000	\$62,000	\$323,000	-
4.3 Council water efficiency initiatives	MPP	Implement	Internal	Internal	\$20,000	\$20,000	Internal, ongoing
4.4 Strategic Planning Code Review: stormwater overlay	MDR	Implement	\$120,000	-	-	-	-
4.5 WSUD Development & Stormwater Quality Initiatives	MCAO	Implement	Internal	\$10,000	\$10,300	\$10,609	\$10,927
4.6 Stormwater Projects with Water Sensitive Urban Design focus: - Gross pollutant traps - Mallee Park Wetlands - Racecourse Wetlands	MCAO	Implement	\$160,000	\$110,000	\$750,000	\$535,000	\$420,000
Sub-TOTAL			\$306,000	\$919,000	\$842,300	\$888,609	\$430,927

29/30	30/31	31/32	32/33	33/34	NOTES
					Finalise and adopt Waste Management Strategy
Internal, ongoing					Year 1: Completion of FOGO Pilot Year 2: upgrade of recycle bins & development of organics processing facility Year 3: rollout of FOGO bins and collection service
\$45,020	\$46,371	\$47,762	\$49,195	\$50,671	Allocation of funds to support additional staff resource for waste and resources strategy programs and initiatives.
\$42,200	\$22,396	\$23,068	\$23,760	\$24,473	Year 2: install 5 x foreshore recycling (trial) and Year 3: install 5 x foreshore and 10 x CBD recycling Year 6: install 5 x foreshore FOGO (trial) Ongoing: recycling bin collection charges
\$7,152	\$7,366	\$71,547	\$7,815	\$8,050	Three yearly kerbside waste audits Streamline data management & reporting Community education program Fishing industry product stewardship Lobby for improved access to hazardous liquid waste collection Maintain watching brief on soft plastics recycling Construction and demolition waste recovery
\$94,373	\$76,133	\$142,377	\$80,770	\$83,193	

29/30	30/31	31/32	32/33	33/34	NOTES
					Review process optimisation, future asset renewal requirements, scheme viability and expansion opportunities.
-	\$58,000	\$25,000	-	-	Continue to maintain and renew assets associated with the Recycled Water Scheme. Priority and expenditure to be reviewed as part of system review.
					Continue irrigation controller upgrades, flow rate sensors, etc. Monitoring via smart meters or flow rate sensors to all facilities & irrigated reserves. Review Council facilities for viable rainwater tank installation.
-	-	-	-	-	Review of stormwater overlay as part of Strategic Planning Code review project as a means of reducing stormwater impacts and increasing rainwater harvesting.
\$11,255	\$11,593	\$11,941	\$12,299	\$12,668	Year 1: training & development, plus ongoing installation of additional rain gardens. Review water quality monitoring program with EPA & EP Landscape Board. Improved management of stormwater flows and quality has a positive outcome on aquatic and marine ecosystem.
\$400,000	\$210,000	\$1,000,000	\$1,500,000	-	Stormwater projects with Water Sensitive Urban Design focus: <ul style="list-style-type: none"> gross pollutant traps across selected Council stormwater outfall locations commencing with Laguna Beach in 25/26 Mallee Park Wetlands project to improve stormwater quality and reduce discharge volumes into marine environment. Stormwater detention basin on Western Approach road as first stage of Racecourse Wetlands project. Port Lincoln Racecourse Wetlands project to reduce peak stormwater and pollutant discharge to marine environment. Includes significant portions of Stormwater Management Authority funding.
\$411,255	\$279,593	\$1,036,941	\$1,512,299	\$12,668	

5. Biodiversity

STRATEGY ITEM	Team	Role	24/25	25/26	26/27	27/28	28/29
5.1 Biodiversity Conservation Actions	CEO, GMEI, MPP	Advocate Implement	Internal	\$10,000	Internal, ongoing		
5.2 Cat Management Program	MDR	Implement	\$5,000	\$5,150	\$5,305	\$5,464	\$5,628
5.3 Murray Point Masterplanning	MPP	Implement	\$15,000	(TBC pending completion of masterplan)			
5.4 WSUD Stormwater Initiatives	MCAO	Implement	(as listed in 4, Water Sensitive)				
Sub-TOTAL			\$20,000	\$15,150	\$5,305	\$5,464	\$5,628

Sub-TOTAL Other Strategy	\$336,000	\$1,445,330	\$1,540,790	\$978,854	\$603,012	\$553,214
Sub-TOTAL New	\$195,000	\$315,000	\$207,550	\$323,045	\$162,941	\$362,365
TOTAL Expenditure	\$531,000	\$1,760,330	\$1,748,340	\$1,301,899	\$765,953	\$915,579

POSITION TITLES:

EM	Elected Members
CEO	Chief Executive Officer
GMEI	General Manager Environment & Infrastructure
GMCC	General Manager Corporate & Community
MCAO	Manager Civil Assets & Operations
MPP	Manager Places & Presentation
MDR	Manager Development & Regulatory
MFB	Manager Finance & Business

29/30	30/31	31/32	32/33	33/34	NOTES
					Seek Representation on EP Landscape Board Lobby for responsible use of Jussieu BioUnit Strategy to extend and improve Parnkalla Trail Consider biodiversity conservation in Council's strategic decisions relating to development of Council land. Review recommendations and develop action plan based on Open Space Strategy 2021-6 & EBS Ecology Study 2010.
\$5,796	\$5,970	\$6,149	\$6,334	\$6,524	Ongoing cat management program as per 2016 Animal Management Plan to minimise unowned cat population.
					Project to enhance access and wayfinding for recreation, ecotourism and preservation of native vegetation.
					WSUD initiatives reducing environmental impacts on marine environment from stormwater discharge, and delivering biodiversity gains through construction of wetlands.
\$5,796	\$5,970	\$6,149	\$6,334	\$6,524	

Legend: New strategy/action plan budget item
Covered by existing/draft strategy budget item

10 YEAR TOTAL

\$404,740	\$1,229,802	\$1,645,067	\$149,420	\$8,886,229
\$367,236	\$172,253	\$177,421	\$182,744	\$2,465,556
\$771,976	\$1,402,056	\$1,822,489	\$332,163	\$11,351,785

REFERENCES

Climate Change projections

<https://www.environment.sa.gov.au/topics/climate-change/climate-science-knowledge-resources/latest-climate-projections-for-sa>

Shapshot Emissions Profile

<https://snapshotclimate.com.au/locality/municipality/australia/south-australia/port-lincoln/2021>

EPA Aquatic Ecosystem Report

https://www.epa.sa.gov.au/reports_water/jussieu-ecosystem-2022

City of Port Lincoln Greenhouse Gas Emissions Inventory 2022, Pangolin Associates

City of Port Lincoln Coastal Scoping Project Report 2022, Integrated Coasts

Port Lincoln City Council Vegetation & Biodiversity Study 2010, EBS Ecology

GLOSSARY OF TERMS

Circular economy	An approach that reduces material use, redesigns materials and products to be less resource intensive, and recaptures waste as a resource to manufacture new materials and products (Reference: US Environment Protection Agency)
Climate resilience	Capacity to anticipate climate risks and hazards, absorb shocks and stresses, and reshape and transform development pathways in the long term (Reference: United Nations Framework Convention on Climate Change)
Environmental sustainability	Maintaining a balanced state of environmental health through application of the principles of ecologically sustainable development, including; triple bottom line, intergenerational equity, the precautionary principle, conservation of biological diversity and integrity, and promotion of improved valuation, pricing and incentive mechanisms in decision making (Reference: <i>Environmental Protection and Biodiversity Conservation Act 1999</i>)
EPLGA	Eyre Peninsula Local Government Association
FOGO	Food organics and garden organics, typically a term used with reference to a municipal kerbside collection service
GHG Inventory	Greenhouse gas emissions inventory
LGASA	Local Government Association of South Australia
Net Zero	Reducing anthropogenic greenhouse gas emissions to as close to zero as possible, balanced by actions to remove any remaining emissions (Reference: South Australian Department of Environment and Water)
Product stewardship	An approach to managing the impacts of different products and materials, acknowledging those involved in producing, selling, using and disposing of products have a shared responsibility to ensure that those products or materials are managed in a way that reduces their impact, throughout their lifecycle, on the environment, and on human health and safety. Under the Product Stewardship Act 2011 (Commonwealth) this can be voluntary, co-regulatory or mandatory
WSUD	Water sensitive urban design, an approach to urban planning and design that integrates the management of the total water cycle into the land use and development process (Reference: <i>South Australian Department of Environment and Water</i>)

For further interpretation and definitions refer to the *Environment Protection Act 1993*, *Environment Protection and Biodiversity Conservation Act 1999*, and other relevant legislation.



City of
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Seafood Capital of Australia