



BROKEN HILL SUSTAINABILITY STRATEGY AND IMPLEMENTATION PLAN 2025 – 2030

*Our Plan for a more Sustainable and
Resilient Region*

BROKEN HILL
CITY COUNCIL

**AUSTRALIA'S FIRST
HERITAGE LISTED CITY**

QUALITY CONTROL

KEY THEME	3. Our Environment		
OBJECTIVE	3.1 Our environmental footprint is minimised		
STRATEGY	3.1.1 Implement measures to reduce the city's carbon footprint and enhance the circular economy by educating and demonstrating the use of renewable resources		
FUNCTION	Waste Management		
EDRMS REFERENCE	11/200	FILE REFERENCE	D25/6368
RESPONSIBLE POSITION	Waste and Sustainability Manager		
APPROVED BY	General Manager		
REVIEW DATE	October 2030		
DATE	ACTION	MINUTE NUMBER	
NOTES	Front Cover Image: Broken Hill Content and images provided by Talis Consulting Pty Ltd. © Copyright Talis Consultants Pty Ltd <i>Copyright of this document or any part of this document remains with Talis Consultants Pty Ltd and cannot be used, transferred, or reproduced in any manner or form without prior written consent from Talis Consultants Pty Ltd.</i>		
ASSOCIATED DOCUMENTS	Landfill Environment Management Plan Waste and Sustainable Material Strategy 2025 - 2035		

Acknowledgement of Country

Broken Hill City Council acknowledges the traditional owners of the land upon which we meet today, the land of the Wilyakali people and pay our respects to their elders; past, present and emerging.

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1. WHAT IS SUSTAINABILITY?

Sustainability, within the context of this document, refers to “development that meets the needs of the present without compromising the ability of future generations to meet their own needs” (World Commission on Environment and Development, 1987). The concept of Sustainable Development is aimed at maintaining economic growth whilst safeguarding the long-term prosperity of our natural environment.

This Sustainability Strategy and Implementation Plan 2025-2030 has been developed alongside Broken Hill City Council to help guide the integration of policies and strategic actions that will facilitate sustainability across the Broken Hill Local Government Area (LGA) over the next five (5) years. The purpose of developing and integrating sustainability in Council's operations is to minimise the impact Council and the community has on the environment through ethical governance, whilst strengthening economic, social and environmental resilience. Council has identified that to develop a more sustainable region we must consider these four (4) principles in the following manner:

1. **Environmental Sustainability** living within the means of our ecological environment, by mitigating overexploitation of natural resources, such as energy fuels, land and water, by consuming at a sustainable rate, and making decisions that prioritise the protection and maintenance of the natural environment.
2. **Economic Sustainability** ensuring the cost-effective delivery of works and services, and appropriate maintenance and renewal of Council assets that ensures current and future financial sustainability for the Broken Hill region.
3. **Social Sustainability** Council to facilitate social well-being through collaboration and transparency by engaging with community during decision-making processes to help build and support an inclusive community.
4. **Sustainable Governance** Council to embed transparent and ethical practices within functions of the organisation through managing and setting targets, reporting processes, strengthening internal and external stakeholder relationships particularly with community, and ensuring a high level of accountability is maintained for continual improvement.

2. STRATEGIC CONTEXT

Broken Hill City Council is committed to developing a more sustainable and liveable City for current and future generations. As such, equity, resilience, justice and strategic planning are important principles that help guide everything we do at Broken Hill. Sustainability is a complex concept that requires an interdisciplinary approach to address environmental, social, economic and governance factors to achieve peace and prosperity for people and the planet, both now and into the future. We recognise that we must protect and enhance our natural and built environments if we want a more sustainable, vibrant and liveable future. This Sustainability Strategy and Implementation Plan directly relates to improving Council's own environmental footprint and sets targets for Council's own operations to guide our environmental sustainability journey over the next five (5) years.

Our Strategy builds on Council's former Sustainability Strategy 2018 – 2023 setting a new standard for sustainability in our region from which we can continue to build on to achieve our environmental goals. The targets set out in this Strategy are informed by Council's own Community Strategic Plan – Your Broken Hill 2040, Annual Report 2022/2023, Economic Development Strategy 2022-2027, and other issue specific plans and strategies. Careful consideration has been given to planning priorities and actions identified in relevant State and National plans and strategies. The themes and targets identified within this strategy align with the Sustainable Development Goals (SDGs) set out in the United Nations 2030 Agenda for Sustainable Development. The SDGs are widely considered as the international best practice standard for sustainability reporting and are used by all levels of government both in Australia and globally.

3. BACKGROUND

Under the NSW Government's Integrated Planning and Reporting Framework (IP&R Framework) (Figure 1), Council uses the community strategic plan to determine the community's aspirations for a period of at least 10 years. The IP&R Framework includes a suite of integrated plans that set out goals and strategic actions to achieve them. It involves a reporting structure to communicate progress to Councillors and the community as well as providing a structured timeline for review to ensure the goals and actions maintain relevance.

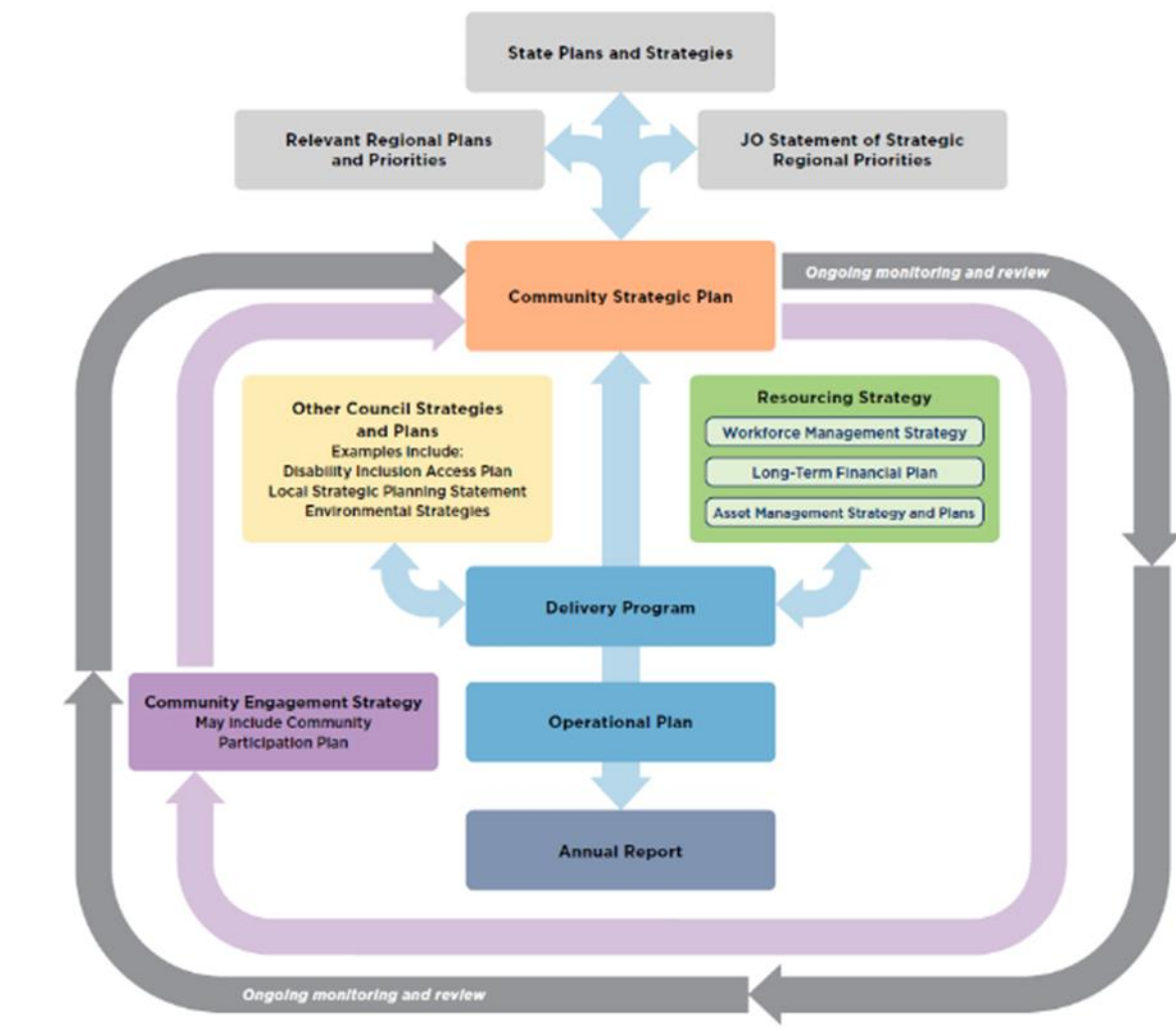


Figure 1. Integrated Planning and Reporting Framework (Integrated Planning and Reporting – Office of Local Government NSW)

During the development of Council's 2040 Community Strategic Plan (CSP), the community was consulted about their aspirations for Broken Hill. The community responded with the following aspirations:

- Affordable Housing
- Airport Redevelopment
- Allied services
- Arts and culture
- Cleaner and greener city
- Climate change and renewable energy
- Community facilities maintenance
- Development
- Drug rehabilitation
- Effective community engagement
- Employment and local jobs
- Financial sustainability
- Trees, parks and open spaces
- Homelessness
- Local environmental protection
- Mental health
- Population growth and management
- Roads and infrastructure
- Tourism
- Training and education
- Transport
- Waste Management and recycling
- Youth and childcare
- Health and ageing population
- History and heritage of the city
- Heightened cooperation indigenous and non-indigenous

Among the highest priority themes identified in during consultation with the community related to the conservation and preservation of the natural environment and greater reduction of human impacts on the surrounding environment to ensure a sustainable and healthy community as defined in Key Direction 3 – Our Environment within Council's CSP.

As part of Key Direction 3 – Our Environment, three objectives were identified:

- 3.1 Our Environmental footprint is minimised.
- 3.2 Natural environments and flora and fauna are enhanced and protected.
- 3.3 Proactive, innovative and responsible planning supports the community, the environment and beautification of the City.

These objectives are broken down further into the following goals set out by Council:

Objective 3.1 – Our Environmental Footprint is Minimised

- 3.1.1 Implement measures to reduce the city's carbon footprint and enhance the circular economy by educating and demonstrating the use of renewable resources.
- 3.1.2 Educate the community on measure to avoid waste and reduce littering and waste to landfill.
- 3.1.3 Investigate and plan for the minimisation of environmental, social and rehabilitation impacts associated with mining activity on the City.
- 3.1.4 Pursue opportunities for scale renewable energy and back up battery capability and investigate new technologies as they emerge.

Objective 3.2 – Natural Environments Flora and Fauna are Enhanced and Protected

- 3.2.1 recognise and communicate the fragility of the natural environment and insist on its respectful use and the protection and restoration of local biodiversity, lands and accessibility to the night sky.

- 3.2.2 Increase awareness and understanding of climate change and active protection of the nature environment.
- 3.2.3 Protect, rehabilitate and enhance regeneration areas and commons for the benefit of the City and in accordance with the National Heritage listing.
- 3.2.4 Minimise the impact of feral and domestic animals and noxious weeds on the natural environment.
- 3.2.5 Advocate for river connectivity in the Murray Darling Basin system, maintaining water supply in the Menindee Lakes system, and maintaining the health of the Darling Baaka River.

Objective 3.3 – Proactive, Innovative and Responsible Planning Supports the Community, the Environment and Beautification of the City

- 3.3.1 Encourage measure that limit the impact of the changing climate and enhance environmentally sustainable buildings and land use planning.
- 3.3.2 Create green and resilient environments by improving tree cover, native vegetation, landscaping and water management systems.
- 3.3.3 Preserve the heritage and streetscapes of the City.
- 3.3.4 Reuse and repurposing of the existing build environment are managed in a sustainable manner.

The Sustainability Strategy 2018 – 2023 was developed in response to Council's CSP under the IP&R Framework and falls under the 'Other Council Strategies and Plans'. Goals and actions set out in this Sustainability Strategy are included in a 4-year (4) Council Delivery Program. Every four (4) years, Council develops a Delivery Program that sets the targets for the Council term in line with objectives of the CSP. The Annual Operational Plan is a plan which focuses on the short-term and details which activities and projects from the delivery Program will be implemented. The goals and actions within Council's Sustainability Strategy are embedded within the Delivery and Operational Plans, and progress reported through Council's Annual Report.

4. OUR VISION FOR 2040

This strategy aims to help fulfil our Community vision in line with Broken Hill City Council's *Community Strategic Plan Your Broken Hill 2040* which focuses on four interconnected themes aimed at supporting the achievement of our community's vision and facilitating collaboration. The themes include:

1. Our Community – We value lifestyle and wellbeing; a place that encourages safe, active, cultural and social opportunities.
2. Our Economy – We value a diverse economy which is resilient and adaptable to change, making the best use of the unique advantages of our remoteness and lifestyle.
3. Our Environment – We value our unique landscape; we are committed to conservation and preservation of the natural environment and greater reduction of the human impact to ensure a sustainable and healthy community.
4. Our Leadership – We value collaboration and working together for the greater good – Broken Hill community continues shared responsibility for good governance.

5. SUSTAINABLE DEVELOPMENT GOALS (SDGS)

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its core are 17 Sustainable Development Goals (Figure 2) (SDGs), which are an urgent call for action by all countries – developed and developing – in a global partnership. The 17 SDGs are underpinned by 169 targets which build on the Millenium Development Goals and complete what these did not achieve and seek to balance the three pillars of sustainable development: economic, social, and environment.



Figure 2. United Nations 17 Sustainable Development Goals (THE 17 GOALS | Sustainable Development (un.org)).

5.1. SDGS IDENTIFIED

Council have identified the following SDGs and actions that we can contribute to which will underpin our organisational planning, the strategic direction of our sustainability journey and the way we communicate with our community. The identified SDGs include the following:

Goal	Description
 <p>3 GOOD HEALTH AND WELL-BEING</p>	Ensure healthy lives and promote well-being for all at all ages.
 <p>6 CLEAN WATER AND SANITATION</p>	Ensure availability and sustainable management of water and sanitation for all.
 <p>7 AFFORDABLE AND CLEAN ENERGY</p>	Ensure access to affordable, reliable, sustainable and modern energy for all.
 <p>8 DECENT WORK AND ECONOMIC GROWTH</p>	Promote inclusive and sustainable economic growth, employment and decent work.
 <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	Make cities inclusive, safe, resilient and sustainable.
 <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	Ensure the sustainable consumption and production patterns.
 <p>15 LIFE ON LAND</p>	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

6. CORE THEMES

Our Sustainability Strategy and Implementation Plan 2025 - 2030 focuses on 11 Core Themes which were developed to achieve the goals realised by the CSP 2040 under Key Direction 3 – Our Environment. The 11 Core Themes are:

#	Core Themes	Priorities	Relevant SDG
1	Energy Efficiency	Reduce energy use, costs and Greenhouse Gas Emissions	7, 11, 12
2	Renewable Energy	Produce energy from renewable sources to reduce costs and Greenhouse Gas Emissions	7, 11, 12
3	Gas Consumption	Reduce energy use, costs and Greenhouse Gas Emissions	7, 11, 12
4	Transport Energy	Reduce fuel consumption promote active transport (reduce greenhouse gases)	3, 7, 11, 12
5	Sustainable Procurement	Use procurement to support positive environmental, social and economic outcomes	7, 8, 11, 12
6	Carbon Emissions	Measure and reduce Greenhouse Gas Emissions	3, 7, 11, 12
7	Water	Reduce water use, costs and have a positive impact on liveability	3, 6, 11, 12
8	Waste	Reduce waste to landfill, increase recycling and re-use of resources	3, 8, 11, 12, 15
9	Minimising the Environmental Impacts of Mining	Improve the liveability of Broken Hill	3, 11
10	Enhancing and Protecting the Natural Flora and Fauna	Improve the liveability of Broken Hill	3, 11
11	Built Environment	Increase the liveability of Broken Hill	11, 12, 15

Each core theme of our Strategy covers key environmental priorities for that theme. Each priority sets a goal for the future, outlining why it is important, what we have already achieved and actions we will undertake to meet our goals.

7. ENERGY EFFICIENCY

Broken Hill City Council is committed to optimising its energy use across all operations by investigating opportunities to improve energy efficiency to reduce annual energy expenditure, reduce carbon emissions and implement opportunities to transition to renewable energy. In 2021, Broken Hill City Council adopted the Renewable Energy Action Plan (REAP) after receiving positive feedback from both Councillors and the Community in late 2020. The REAP mapped out the way forward to achieve 100% renewable status for the City of Broken Hill by 2030. It supports Council's pledges to investigate opportunities to achieve 100% renewable status across all Council Buildings and Facilities, ensures Council fleet purchases meet strict greenhouse gas emissions requirements and support the uptake of alternative fuel vehicles. Broken Hill City Council aims to set new city-level renewable energy and emissions reduction targets reinforced by the development of a sustainable energy policy that will set the standard and shared expectations for our community and industrial neighbours.



#	Our Focus Areas	Our Targets – Where we want to be?
1	Energy Efficiency	Energy Use Data collected and monitored, smart interval meters installed, energy audits for all Council buildings and facilities completed, renewable energy implemented where possible.
2	Energy Expenditure	Reduce annual expenditure on fossil fuel derived energy year over year.
3	Energy Emissions (Scope 2)	Reduce Greenhouse Gas Emissions from Energy Use Year over Year in line with state targets to achieve 50% emissions reductions by 2030.

7.1. WHAT WE AIM TO DO TO ACHIEVE OUR TARGET(S):

Improving Energy Efficiency of Council buildings and facilities:

- Conduct and implement findings of energy audits to Council's Administration Building, Art Gallery, and Civic Centre.
- Install LED lighting at all Council Buildings and standardise energy efficiency such as lighting.
- Investigations and implement controls, sensors, master switches and timers for the Administration Building, Art Gallery, and Civic Centre.
- Develop energy efficiency policy that sets energy efficiency standards for all new Council Buildings and Retrofits based on industry best practice.
- Establish energy data monitoring process to track energy use and to identify energy efficiency improvements.

Reducing Energy Expenditure across Council Operations:

- Review Energy Contract to ensure Council is receiving the most competitive market rate.

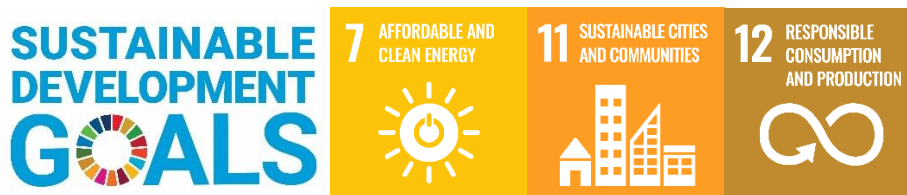
- Develop and implement Revolving Energy Fund.
- Undertake annual contract review to ensure that Council is getting the best market rate.

Reducing Councils overall Energy Emissions (Scope 2):

- Undertake Climate Risk Assessment and develop Climate Adaptation and Mitigation Plan for Broken Hill LGA.
- Develop adaptive maintenance plans for all Council buildings and facilities.
- Investigate viability of transitioning from gas to renewable energy sources.

8. RENEWABLE ENERGY

Broken Hill City Council completed stage 1 of the Renewable Energy Action Plan in FY2021/2022, which identified the preferred site, and a business case completed for the installation of a medium scale solar array. Stage 2 of the REAP was presented to the elected Council and approved in 2022. Actions completed as part of Stage 2 included specification of suitable solar infrastructure and financial modelling to identify cost and benefits of installation. As part of this strategy Council are committed to continue this work by further investigating financial viability of transitioning Council Buildings to renewables and setting new renewable energy targets to achieve by 2030.



#	Our Focus Areas	Our Targets – Where we want to be?
4	Renewable Energy Transition	100% of Councils energy needs are provided by renewable sources by 2030.

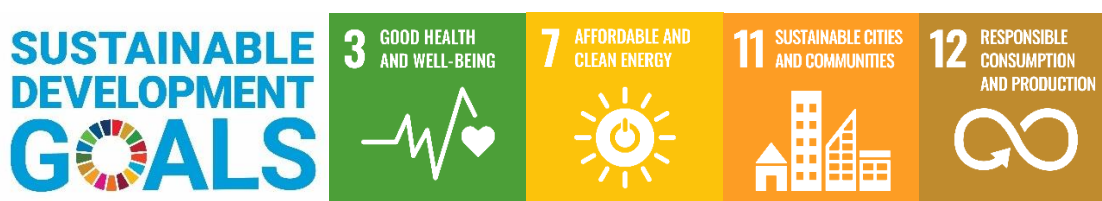
8.1. WHAT WE AIM TO DO TO ACHIEVE OUR TARGET(S):

Renewable Energy Transition:

- Undertake cost-benefit-analysis for transitioning Council Buildings to Renewable Energy and develop a plan that prioritises Council buildings with highest energy consumption.
- Establish Council's current renewable energy composition and set new renewable energy goal by 2030.

9. SUSTAINABLE TRANSPORT

In 2017, Broken Hill City Council became a member of the Cities Power Partnership which enables Council and the community to work in collaboration with other Councils and stakeholders, to investigate best practice, share opportunities and exchange knowledge. Council have pledged to provide and improve Sustainable Transport across the region as part of their commitment to the environment under the Cities Power Partnership. Council aims to improve Transport Sustainability by renewing and improving cycling, walking and mobility connections to reduce carbon emissions and increase Broken Hill's liveability and encourage active transport. This will provide for adequate cycle lanes in road design and supporting cyclists through providing parking and end-of-ride facilities (covered, secure bike storage, showers, bicycle maintenance and incentives). Council will also investigate the introduction of alternative fuel vehicles when replacing Council fleet vehicles to reduce fleet emissions. So far, Council has introduced one hybrid vehicle into its fleet as part of an initial trial and is seeking to expand its fleet of alternative fuel vehicles as existing fleet vehicles reach the end of their lifecycle.



#	Our Focus Areas	Our Targets – Where we want to be?
5	Improving Council Fleet Efficiency	Council fleet transitioned to alternative fuel vehicles at end of lifecycle.
6	Fuel Consumption Data Monitoring	Council fuel consumption reduced year over year.
7	Active Transport	Active transport promoted and facilitated through infrastructure upgrades.
8	Improving City's Liveability	Mobility connections implemented and maintained.

9.1. WHAT WE AIM TO DO TO ACHIEVE OUR TARGET(S):

Improving Council Fleet Efficiency:

- Undertake cost-benefit-analysis for transitioning Council Fleet to Electric or Hybrid vehicles. Consider staged approach starting with the most inefficient vehicles or replacing vehicles that accumulate the most kilometres per year.
- Conduct market analysis to determine availability of Alternative Fuel Vehicles that could replace Council's existing Fleet vehicles.
- Review use case for each fleet vehicle and restrict use of commercial light fleet vehicles to, only, if necessary, i.e., unsealed roads, need for tray and haulage.

Fuel Consumption Data Monitoring:

- Develop and standardise monitoring process for fuel consumption of Council Fleet Vehicles.

Active Transport:

- Continue to encourage and facilitate active transport among staff by developing internal incentives.

Improving Cities Liveability:

- Investigate opportunities to increase urban heat shades along shared paths including greening areas with high foot traffic around Broken Hill to provide relief from direct heat exposure.
- Address road condition complaints and ensure that road maintenance programs are in place and functional whilst maintaining community awareness.
- Undertake quarterly road asset surveys to maintain safe road conditions for the community.

10. SUSTAINABLE PROCUREMENT

Broken Hill City Council has embedded sustainability within its procurement policy which aims to guide employees and contractors on specific objectives when purchasing products and services to support the delivery of Council initiatives and infrastructure projects:

- **Minimise Unnecessary Purchasing** (only purchase when a product or service is necessary).
- **Minimise Waste** (purchase in accordance with avoid, reduce, reuse and recycle strategies).
- **Save Water and Energy** (purchase products that save energy and/or water).
- **Minimise Pollution** (avoid purchasing products that pollute soils, air or waterways).
- **Non-Toxic** (avoid purchasing hazardous chemicals that may be harmful to human health or ecosystems).
- **Greenhouse Benefits** (purchase products that reduce greenhouse gas emissions).
- **Biodiversity and Habitat Protection** (purchase in accordance with biodiversity and conservation objectives).
- **Value for Money** (purchase for best value for money in the long term).

These objectives aim to:

- Eliminate unnecessary inefficiency, waste and expenditure.
- Contribute to the combined purchasing power of local government to further stimulate demand for sustainable products, including materials collected through council's kerbside collection.
- Advance sustainability by participating in "closing the life-cycle loop".
- Increase awareness about the range and quality of products available.
- Deliver council's commitments in relation to ecologically sustainable development and other environmental and social objectives.
- Play a leadership role in advancing long term social and environmental sustainability.
- Support local businesses and organisations.

**SUSTAINABLE
DEVELOPMENT
GOALS**



#	Our Focus Areas	Our Targets – Where we want to be?
9	Sustainability in Procurement	Procurement Policy includes Environmental and Social Sustainability and aligns with latest international standards (ISO 20400 Standard – Sustainable Procurement).
10	Sustainability Awareness	Sustainability awareness training campaign developed and delivered to all Council staff.

10.1. WHAT WE WILL DO TO ACHIEVE OUR TARGET(S):

Sustainability in Procurement:

- Review existing procurement policy and procedure to align with ISO 20400 Standard – Sustainable Procurement.
- Implement sustainability evaluation criteria in procurement policy that requires Council staff to review how a project has considered principles of sustainability in their project before approval.

Sustainability Awareness

- Develop staff inductions on how to consider sustainability during procurement process.

11. CARBON EMISSIONS

Broken Hill City Council has been investigating opportunities to reduce greenhouse gas emissions (GHGs) across the organisation over the past few years to determine how it can reduce its overall carbon footprint and improve the efficiency of its energy and fuel consumption. In 2021, Council adopted the Renewable Energy Action Plan (REAP) which sets out the pathway to achieve 100% renewable status and ways to ensure new Council fleet vehicle purchases meet GHG emissions standards. This strategy aims to build on Council's progress by identifying a new emissions reduction goal and establishing practical measures to track and monitor its emissions against its targets to support broader NSW Government Emissions Reduction Objectives (Net Zero by 2050).



#	Our Focus Areas	Our Targets – Where we want to be?
11	Emissions Reporting	Emissions from electricity and fleet fuel consumption tracked and reported in Council's Annual Report.
12	Emissions Reductions	Emissions reporting framework developed and implemented.
13	Partnerships	Pledges with Cities Power Partnership Achieved.

11.1. WHAT WE WILL DO TO ACHIEVE OUR TARGET(S):

Emissions Reporting:

- Develop and establish emissions reporting process for electricity usage (Scope 2).
- Establish emissions baseline for electricity usage (Scope 2) and Council Fleet Vehicles (Scope 1).
- Develop emissions reporting framework for Council operations (Scope 1, 2, and 3).

Emissions Reductions:

- Establish emissions target to be achieved by 2030.
- Undertake feasibility study on carbon neutrality across Council's operations and use findings to inform future planning.

Partnerships:

- Council to monitor emissions reductions progress against Cities Power Partnership pledges.

12. WATER

Broken Hill City Council is committed to ensuring the region has a sustainable, clean and reliable water supply to support both current and future generations. In 2018, Council completed construction of the Wentworth to Broken Hill pipeline which supplies 37.4 megalitres of raw water per day from the Murray River to Broken Hill. The pipeline infrastructure contains a 720 megalitre bulk water storage facility and four pumping stations along the route.



#	Our Focus Areas	Our Targets – Where we want to be?
14	Water Use Efficiency	Water consumption monitoring process developed and implemented to ensure water infrastructure is operating efficiently and to identify opportunities to avoid wastage, reduce overall consumption and increase water recycling.
15	Drought Resilience	Regional Drought Resilience Plan Developed.
16	Fair Water Pricing	Water prices are consistent with other NSW jurisdictions.
17	Environmental Flows	Continual advocacy ensures environmental flows to Menindee Lakes.

12.1. WHAT WE WILL DO TO ACHIEVE OUR TARGET(S):

Water Use Efficiency:

- Investigate water reduction opportunities across Council operations and develop water efficiency strategy.
- Ensure the efficient use of water through staff education programs and toolbox talks.
- Investigate water efficiency retrofits for existing Council buildings and standardise for all new Council Buildings.
- Develop maintenance programs that ensures water infrastructure is maintained to operate efficiently (repair leaks etc.). Establish quarterly audit requirements to identify and report on maintenance issues.
- Develop and implement water monitoring programs to track water usage and improvements in water efficiency.
- Investigate water efficiency, grey water, water-sensitive design standards into the Council's Development Control Plan (DCP).

Drought Resilience:

- Develop Regional Drought Resilience Plan to reduce the Broken Hill Local Government Area's vulnerability to impacts during drought.

Fair Water Pricing:

- Continue to advocate for water price parity in Broken Hill – State Government/IPART.

Environmental Flows:

- Continue to advocate for the ecological/environmental improvement of Menindee lakes (State/Federal Government), to have a positive impact on the liveability of the Broken Hill community.

13. WASTE

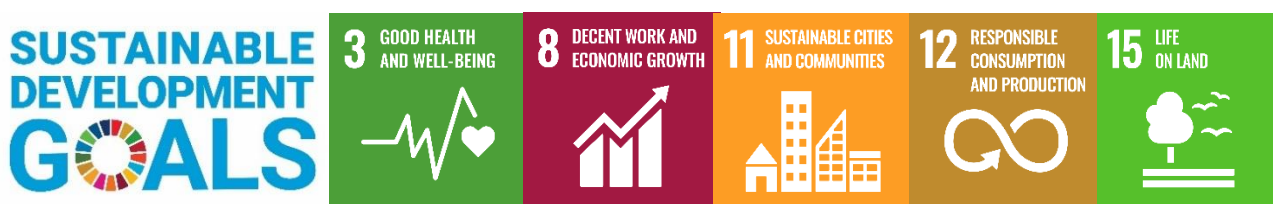
Broken Hill City Council is committed to improving waste management practices across the region by facilitating effective waste collection and greater resource recovery. Council aims to ensure that adequate infrastructure is available to support the community's waste service needs and empowering the community with the necessary knowledge to help Council achieve its waste sustainability goals by providing education around best practice waste management. Council aims to reduce the amount of waste ending up in landfill and increase recycling and resource recovery in line with broader NSW Government waste and sustainability targets (NSW Waste and Sustainability Materials Strategy 2041, Stage 1: 2021-2027):

- Reduce total waste generated by 10% per person by 2030.
- Have an 80% average recovery rate from all waste streams by 2030.
- Significantly increase the use of recycled content by governments and industry.
- Phase out problematic and unnecessary plastics by 2030.
- Halve the amount of organic waste sent to landfill by 2030.
- Reduce litter by 60% by 2030 and plastics litter by 30% by 2030.
- Triple the plastics recycling rate by 2030.

During the 2022/23 period, the Broken Hill Waste Management and Recycling Centre received a total of 40,676.98 tonnes of waste: with 804.76 tonnes being recycled off site, the majority being steel. An additional 20,729 tonnes were used on site for cover material. In the same period, Council carried out the following Waste Reduction Projects:

- Annual Household Chemical Cleanout
- Waste Reduction Media Campaign in partnership with NetWaste.
- Keep Australia Beautiful Campaign.
- Delivered three new side lifters in November 2022.

The Community Recycling Centre has continued to improve the recycling capability of the facility with 2,759 people delivering a total of 10.42 tonnes of commingled recyclable material to the facility. This Strategy aims to facilitate further improvements in the regions Waste Management capabilities and set the standard for waste sustainability across the broader region.



#	Our Focus Areas	Our Targets – Where we want to be?
18	Support Sustainable Procurement	Procurement Policy updated to consider purchased products are derived from recycled material.
19	Facilitate Community Recycling	Kerbside waste audit completed with findings used to inform education material on behavioural change and best practice recycling.

20	Improve Waste Data Capture	Waste Data Capture Process Established.
21	Community Waste Education	Community litter reduction education program delivered to community to improve waste management.
22	Reduce Illegal Dumping	Illegal dumping reduced.
23	Sustainable Waste Management	Waste Management Strategy Developed.
24	Reduce Waste at Council Buildings and Facilities	Opportunities to improve waste avoidance and recycling across Council buildings identified and implemented.

13.1. WHAT WE WILL DO TO ACHIEVE OUR TARGET(S):

Support Sustainable Procurement:

- Update procurement policy and guidelines so that purchased goods are derived from recycled material (where possible).

Facilitate Community Recycling:

- Audit kerbside bins for baseline composition and volumetric consumption to advise community education programs to advise community education programs on best practice "at-home" waste management practice and report on resource recovery improvements.

Improve Waste Data Capture:

- Improve waste data capture and assessment at the Broken Hill Waste Management Facility to support improved resource recovery and service delivery outcomes.

Community Waste Education:

- Develop and deliver a community litter reduction education program.

Reduce Illegal Dumping:

- Improve prevention and prosecution of illegal dumping.

Sustainable Waste Management:

- Develop Waste Management Strategy.

Reduce Waste at Council Buildings and Facilities:

- Investigate opportunities to avoid and reduce waste and increase recycling or reuse across all Council buildings and facilities.

Waste Infrastructure and Service Optimisation:

- Investigate alternative landfill daily cover options to conserve landfill void space (such as moveable lids, spray on cover)
- Prepare a long-term financial plan for waste services to ensure continual waste management into the future.

Reduce Waste at Council Buildings and Facilities:

- Develop and implement staff awareness program for new and existing staff which identifies how to avoid and reduce waste in the workplace (to be integrated into induction program).
- Training/Induction of staff on Waste Reduction Program.
- Operations manuals for all Council facilities updated to include waste reduction initiatives.

Recycle and Reuse:

- Develop a plan to increase the collection of green/organic material from Council Parks and Gardens to be processed for use in Council Facilities.

Waste to Energy:

- Investigate viability of landfill gas capture and flaring or energy generation at the Waste Management Facility.

Resource Recovery:

- Investigate viability of increasing resource recovery at the Waste Management Facility by upgrading receipt infrastructure and extending acceptable items, including tyres, mattresses and cardboard.
- Plan and deliver receipt and resource recovery infrastructure for waste received from major projects (such as large infrastructure deconstruction) or events (such as regional rail and road accidents).
- Investigate and deliver innovative waste management solutions for problem wastes (such as e-waste, tyres, and mattresses).

Disaster Waste:

- Prepare a disaster waste management plan focused on resource recovery outcomes (such as waste from fire and bush fire events, and rail and road accidents).

Community Waste Management and Recycling:

- Investigate and implement urban drop-off locations for separated dry packaging material in partnership with the community and local businesses (such as paper, cardboard, recyclable plastics, and metals).
- Develop policy and supporting mechanisms to incentivise pre-delivery sorting of waste (such as residential, public events, and commercial waste).

Regional Resource Recovery Hub:

- Investigate and assess viability of converting the Broken Hill Waste Management Facility into a regional resource recovery hub.

Circular Economy:

- Develop and formalise industry partnerships with organisations that facilitate circular economy principles such as Container Deposit Scheme, Lifeline and Oz Harvest.
- Investigate local opportunities to become an agent for change in facilitating the development of a circular economy i.e., resource recovery and reuse.
- Develop a Circular Economy Strategy which encourages local innovation in transforming waste, and which supports regional employment and skills transfer.
- Develop and support local markets for recycled, recovered, and transformed clean waste (such as glass, concrete).
- Support community reuse and repair initiatives (such as reduce barriers to buying second hand and repaired products).

Commercial Waste Reduction:

- DCP to include waste reduction initiatives for new-builds and renovations (Construction and Demolition Waste).

Waste Management Policy and Plan:

- Develop a hire Agreement for non-Council event organisers to hire out recycle bins for use at community events.
- Engage with non-Council event organisers to ensure correct waste disposal and recycling practices are maintained during all non-Council events.
- Develop policy and a waste management plan to incentivise commercial regional developers to source separate construction regional demolition waste (such as buy/swap/sell initiatives, garage sales).

14. MINIMISING THE ENVIRONMENTAL IMPACTS OF MINING

Broken Hill City Council is committed to minimising the environmental impacts associated with mining activities to protect ecosystem services and human wellbeing. Council will continue to support the Broken Hill Environmental Lead Program (BHELP) in developing solutions to minimise and manage exposure to lead in the local environment. This includes joint co-ordination of the management and remediation of lead contaminated public land in accordance with an annual work plan. Since 2015, over 20 hectares of public land have been remediated through a partnership between Council and BHELP. This equates to an area over 40 football fields and includes parks, ovals, sporting grounds and playgrounds.



#	Our Focus Areas	Our Targets – Where we want to be?
25	Bypass for heavy vehicles	Broken Hill bypass for heavy vehicles planned.
26	Broken Hill Lead Reference Group	Broken Hill Lead Reference Group work funded by the State Government, Annual report by Council in the ongoing management of lead contamination in Broken Hill.

14.1. WHAT WE WILL DO TO ACHIEVE OUR TARGETS(S):

Bypass for heavy vehicles:

- Continue to advocate (State and Federal Government) to divert mining trucks out of the CBD.

Broken Hill Lead Reference Group:

- Continue to advocate to ensure the continuation of the Broken Hill Lead Reference Group (State Government).
- Continue to facilitate the Broken Hill Lead Reference Group to address the effects of lead contamination on the City of Broken Hill.

15. ENHANCING AND PROTECTING THE NATURAL FLORA AND FAUNA

Broken Hill City Council is committed to enhancing and protecting urban green spaces across the region through leading and supporting revegetation and greening initiatives. In 2022/2023, Council continued to maintain the Living Desert Flora and Fauna Sanctuary to support native wildlife and native plant life in the region. During the same period, Council carried out an annual assessment and implemented control measures for noxious weeds and pests and replaced 11km of damaged and vandalised fencing.



#	Our Focus Areas	Our Targets – Where we want to be?
27	Green Broken Hill	Greening target for Broken Hill established and implementation plan developed, urban heat island effects reduced, vegetation cover in Broken Hill CBD increased
28	Mulga Wetland Ecosystem Stewardship	Council's own plant stock used for continuous revegetation and ecosystem stewardship programs

15.1. WHAT WE WILL DO TO ACHIEVE OUR TARGET(S):

Green Broken Hill:

- Set greening target for Broken Hill CBD and develop implementation plan.
- Investigate opportunities to increase native vegetation in the CBD to reduce urban heat island effects and increase shade.
- Review greening initiatives in the DCP and ensure alignment with Council greening targets.
- Continue to raise community awareness and participate in greening Broken Hill e.g., Planet Ark National Tree Day.
- Continue the work of Albert Morris to green Broken Hill.
- Develop communications material to increase community awareness around Broken Hill regeneration and greening initiatives.

Mulga Wetland Ecosystem Stewardship:

- Continue to propagate Council's own plant stock at Mulga Wetlands and identify other key areas to support ecosystem health and revegetation.

16. BUILT ENVIRONMENT

Broken Hill City Council are committed to enhancing the regions liveability by improving urban building designs to provide better environmental comfort in public spaces. Council aims to enhance both the natural and built environment through facilitating ecosystem stewardship programs and protecting the natural environment through delivering proactive weed management programs and carrying out vegetation rehabilitation initiatives.



#	Our Focus Areas	Our Targets – Where we want to be?
29	Facilitate environmental stewardship in Development Control Plan	Increased vegetation with a set minimum percentage of land requiring landscaping within the development.

16.1. WHAT WE WILL DO TO ACHIEVE OUR TARGET(S):

Facilitate environmental stewardship in Development Control Plan:

- Review the DCP to enhance the natural environment and landscaped areas in new development applications for industrial land.

17. IMPLEMENTATION PLAN

IMPLEMENTATION PLAN: ENERGY EFFICIENCY							
#	Action	Related Target	Performance Measures	Short Term (2025-2026)	Medium Term (2027-2028)	Long Term (2029-2030)	Responsible Council Department(s)
EE1	Conduct and implement findings of energy audits at Council's Administration Building, Art Gallery, and Civic Centre.	1	Energy Audits at Council's Administration Building, Art Gallery, and Civic Centre completed with findings used to inform strategic direction to achieve energy cost savings, energy efficiency and carbon reduction.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EE2	Install smart interval meters on all Council Buildings for greater energy monitoring.	1	Smart interval meters on all Council Buildings installed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EE3	Install LED lighting at all Council buildings and standardise energy efficient LED lighting in all new Council buildings.	1	LED lighting at all Council Buildings installed including standardisation of LED lighting to be installed in all new Council Buildings.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EE4	Investigate and implement smart technology solutions for greater energy management and efficiency such as lighting controls, sensors, master switches and timers for the Administration Building, Art Gallery, and Civic Centre.	1	Smart technology solutions for energy management and efficiency identified and implemented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

EE5	Develop adaptive maintenance plans for all Council buildings and facilities.	1	Adaptive management plans for all Council Buildings and Facilities completed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EE6	Undertake Climate Risk Assessment for Council Infrastructure and community wellbeing and develop Climate Adaptation and Mitigation Plan for Broken Hill LGA.	3	Climate risk assessment completed and climate adaptation and mitigation plan for the Broken Hill LGA developed and implemented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EE7	Develop energy efficiency policy that sets energy efficiency standards for all new Council Buildings and Retrofits based on industry best practice.	1	Energy efficiency policy developed and implemented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EE8	Establish energy data monitoring process to track energy use and to identify energy efficiency improvements.	1	Energy data monitoring process established, and staff trained on energy data management.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EE9	Review Energy Contract to ensure Council is receiving the most competitive market rate.	2	Energy contract reviewed annually.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EE10	Develop and implement Revolving Energy Fund.	2	Revolving Energy Fund developed and implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EE11	Investigate viability of transitioning infrastructure that uses gas for heating to renewable energy eg Solar Thermal (Admin Building, Civic Centre and Community Centre).	3	Viability of transitioning infrastructure using gas for heating to renewables eg Solar thermal investigated with findings used to inform strategic plan.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

IMPLEMENTATION PLAN: RENEWABLE ENERGY

RE1	Undertake cost-benefit-analysis on transitioning Council Buildings to Renewable Energy and develop a plan that prioritises Council buildings with highest energy consumption	4	Cost-Benefit-Analysis on transitioning Council Buildings to renewables completed with findings used to inform strategic plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RE2	Establish Council's current renewable energy composition and set renewable energy goal by 2030	4	Council's current renewable energy composition identified and established target goal to achieve increase in renewable energy usage across Council's operations by 2030	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

IMPLEMENTATION PLAN: SUSTAINABLE TRANSPORT

ST1	Undertake cost-benefit-analysis for transitioning Council Fleet to alternate fuel vehicles. Consider staged approach starting with most inefficient vehicles or replacing vehicles that accumulate the most kilometres per year	5	Cost-Benefit-Analysis for transitioning Council Fleet to alternate fuel vehicles completed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ST2	Conduct market analysis to determine availability of alternate fuel vehicle variants that could replace Council's existing Fleet vehicles	5	Market analysis on alternate fuel vehicles capable of replacing Council fleet vehicles completed with findings used to inform strategic plan	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

ST3	Develop and standardise monitoring process for fuel consumption of Council Fleet Vehicles	6	Council fleet fuel consumption data captured and used to report on annual fuel usage, emissions, and operational cost	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ST4	Review use case for each fleet vehicle and restrict use of commercial light fleet vehicles to, only, if necessary, i.e., unsealed roads, need for tray and haulage	6	Use case for each fleet vehicle reviewed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Infrastructure - Fleet
ST5	Continue to encourage and facilitate active transport among staff by developing internal incentives	7	Active transport among staff facilitated with the introduction of internal incentives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	People and Culture
ST6	Investigate opportunities to increase urban heat shades along shared paths including greening areas with high foot traffic around Broken Hill to provide relief from direct heat exposure	8	Urban heat island effect in Broken Hill CBD reduced through increased greening and urban heat shades	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Infrastructure
ST7	Address road condition complaints and ensure that road maintenance programs are in place and functional whilst maintaining community awareness	8	Maintenance programs in place to assess and maintain road conditions with consideration of community complaints	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Infrastructure - Roads
ST8	Undertake annual road asset surveys to maintain safe road conditions for the community	8	Road asset surveys completed on quarterly basis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Infrastructure - Fleet

IMPLEMENTATION PLAN: SUSTAINABLE PROCUREMENT

SP1	Review existing procurement policy and procedure to align with ISO 20400 Standard - Sustainable Procurement	9	Procurement Policy updated to align with ISO 20400 Standard – Sustainable Procurement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SP2	Implement sustainability evaluation criteria in procurement policy that requires Council staff to review how a project has considered principles of sustainability in their project before approval	9	Sustainability evaluation criteria included in procurement process with findings reviewed to inform strategic decision making	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SP3	Develop staff induction training on how to consider sustainability during procurement process	10	Staff induction training on how to consider sustainability during procurement developed and implemented	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IMPLEMENTATION PLAN: CARBON EMISSIONS							
CE1	Develop and establish emissions reporting process for electricity usage (Scope 2)	11	Emissions from electricity usage monitored and reported	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CE2	Establish emissions baseline for electricity usage (Scope 2) and Council Fleet Vehicles (Scope 1)	12	Emissions baseline for electricity usage (Scope 2) and Council Fleet Vehicles (Scope 1) established	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CE3	Develop emissions reporting framework for Council operations (Scope 1, 2 and 3)	11	Emissions reporting framework for Council operations (Scope 1, 2, and 3)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CE4	Establish emissions target to be achieved by 2030	12	2030 emissions target identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

CE5	Council to monitor progress against Cities Power Partnership pledges	13	Progress against Cities Power Partnership pledges monitored consistently with findings used to inform adaptive management procedure	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CE6	Undertake feasibility study on achieving carbon neutrality across Council operations by 2050 in line with state government emissions target and use findings to inform future planning.	12	Feasibility study on achieving carbon neutrality across Council's operations completed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
IMPLEMENTATION PLAN: WATER							
W1	Investigate water reduction opportunities across Council operations and develop water efficiency strategy.	14	Water efficiency strategy developed and implemented	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W2	Develop Regional Drought Resilience Plan to reduce the Broken Hill LGA's vulnerability to impacts during drought.	15	Regional drought resilience plan developed and implemented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W3	Ensure the efficient use of water through staff education programs and toolbox talks.	14	Tailored staff education program on efficient water use developed and implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W4	Investigate water efficiency retrofits for existing Council buildings and standardise for all new Council Buildings.	14	Water efficiency retrofits identified and standardised for all new Council buildings. Cost-Benefit-Analysis completed on retrofit options for existing Council buildings.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

W5	Develop maintenance programs that ensures water infrastructure is maintained to operate efficiently (repair leaks etc.). Establish annual audit requirements to identify and report on maintenance issues.	14	Maintenance program for water use efficiency and infrastructure health developed and implemented. Annual water infrastructure audits completed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W6	Develop and implement water monitoring program to track water usage and improvements in water efficiency.	14	Water monitoring program developed with data used to identify opportunities to improve water use efficiencies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W7	Continue to advocate for water price parity in Broken Hill - State Government/IPART.	16	Council continuously advocates for water price parity in Broken Hill.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W8	Continue to advocate for the ecological/environmental improvement of Menindee Lakes (State/Federal Government), to have a positive impact on the liveability of the Broken Hill community.	17	Council continuously advocates for socio-ecological improvement of the Menindee Lakes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W9	Investigate water efficiency, grey water, water-sensitive design standards into the Council's Development Control Plan (DCP).	14	Water efficiency, grey water, water-sensitive design standards integrated into Council's DCP.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
IMPLEMENTATION PLAN: WASTE							
W1	Update Procurement Policy and guidelines so that purchased goods are derived from recycled material (where possible) E.g., when	18	Procurement Policy and relevant guidelines updated so that purchased goods are derived	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

	procuring equipment for public parks such as benches and rubber flooring for children's playgrounds, consider those built from recycled materials.		from recycled material (where possible).				
W2	Audit kerbside bins for baseline composition and volumetric consumption to advise community education programs on best practice "at-home" waste management practice and report on resource recovery improvements.	19	Municipal kerbside bins audited, and findings used to identify potential areas to improve knowledge and awareness of best practice waste management and recycling. Audits used to monitor behavioural change improvements.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W3	Improve waste data capture and assessment at the Broken Hill Waste Management Facility to support improved resource recovery and service delivery outcomes.	20	Resource Recovery rate improved year over year from date initiated.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W4	Develop and deliver a community litter reduction education program.	21	Community litter reduction education program delivered with outcome monitored through kerbside waste collection data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W5	Improve prevention and prosecution of illegal dumping.	22	Rate of Illegal Dumping reduced year over year with repeat offenders and waste type listed to inform strategic planning.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W6	Develop Waste Management Strategy.	23	Waste Management Strategy Developed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

W7	Investigate opportunities to avoid and reduce waste and increase recycling or reuse across all Council buildings and facilities.	24	General waste output from Council buildings ending up in landfill reduced and recycling increased year over year until 2030.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W8	Investigate alternative landfill daily cover options to conserve landfill void space (such as moveable lids, spray on cover).	23	Alternative daily landfill cover options identified with best option considered and implemented where financially and operationally viable. Landfill lifespan increased as a result of implementation.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W9	Prepare a Long-Term Financial Plan for Waste Services to ensure sustainability of waste management.	23	Long-term financial plan for waste services to ensure sustainability of waste management developed and implemented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W10	Develop and implement staff awareness program for new and existing staff which identifies how to avoid and reduce waste in the workplace (to be integrated into induction program)	24	All Council new and existing staff aware of best practice waste reduction and avoidance strategies in the workplace.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W11	Training/Induction of staff on Waste Reduction Program.	24	Best practice waste management training/induction program developed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W12	Operations manuals for all Council facilities updated to include waste reduction initiatives.	24	Waste reduction initiatives included in operations manuals for all Council facilities.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

W13	Develop a plan to increase the collection of green/organic material from Council Parks and Gardens to be processed for use in Council Facilities.	23	Council Green/Organic materials collection and processing plan developed for use in the landscaping on Council Facilities.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W14	Investigate viability of landfill gas capture and flaring or energy generation at the Waste Management Facility.	23	Viability of landfill gas capture and flaring or energy generation at the Waste Management Facility investigated with findings.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W15	Investigate viability of increasing resource recovery at the Waste Management Facility by upgrading receival infrastructure and extending acceptable items, including tyres, mattresses and cardboard.	23,22	Receival infrastructure at the Waste Management Facility upgraded and accepted items extended to include tyres, mattresses and cardboard.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W16	Plan and deliver receival and resource recovery infrastructure for waste received from major projects (such as large infrastructure deconstruction) or events (such as regional rail and road accidents).	23,22	Receival and resource recovery infrastructure for waste received from major projects (e.g., Commercial and Demolition) delivered.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W17	Prepare a Disaster Waste Management Plan focused on resource recovery outcomes (such as waste from fire and bush fire events, and rail and road accidents).	23	Disaster Waste Management Plan developed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W18	Investigate and implement urban drop-off locations for separated dry	23	Urban drop-off locations for separated dry packaging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	packaging material in partnership with the community and local businesses (such as paper, cardboard, recyclable plastics, and metals).		material in partnership with the community and local businesses established.				
W19	Develop policy and supporting mechanisms to incentivise pre-delivery sorting of waste (such as residential, public events, and commercial waste).	19	Policy and supporting mechanisms to incentivise pre-delivery sorting of waste developed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W20	Investigate and assess viability of converting the Broken Hill Waste Management Facility into a regional resource recovery hub.	23	Conversion of the Broken Hill Waste Management Facility into a regional resource recovery hub investigated with findings used to inform strategic planning.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W21	Develop and formalise industry partnerships with organisations that facilitate circular economy principles such as Container Deposit Scheme, Lifeline and Oz Harvest.	23	Partnerships with leading organisations in Circular Economy formalised and used to collaborate on opportunities to drive Circular Economy initiatives in the region.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W22	Investigate local opportunities to become an agent for change in facilitating the development of a circular economy ie resource recovery and reuse.	19	Local opportunities to support and facilitate circular economy and resource recovery initiatives identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W23	DCP to include waste efficiencies initiatives for new-builds and renovations (Construction and Demolition Waste).	23	Waste efficiency initiatives for new builds and renovations included in DCP.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

W24	Develop a Hire Agreement for non-Council event organisers to hire out recycle bins for use at community events.	19	Hire Agreement for non-Council event organisers to hire out recycle bins for use at community events developed and implemented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W25	Engage with non-Council event organisers to ensure that correct waste disposal and recycling practices are maintained during all non-Council events.	19	Council engaged with non-Council event organisers and provided guidance on best practice waste management.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W26	Investigate and deliver innovative waste management solutions for problem wastes (such as green energy wastes, E-Waste, tyres and mattresses).	23	Innovative waste management solutions for problem wastes (such as green energy wastes, E-Waste, tyres, and mattresses) investigated with identified opportunities evaluated to improve Council waste management processes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W27	Develop a Circular Economy Strategy which encourages local innovation in transforming waste, and which supports regional employment and skills transfer.	19	Circular Economy Strategy developed.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
W28	Develop plan to support local markets for recycled, recovered, and transformed clean waste (such as glass, concrete).	19	Local markets for secondary materials facilitated.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
W29	Develop policy and a waste management plan to incentivise commercial regional developers to	23	Waste management policy and plan developed and implemented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

	source separate construction and demolition waste (such as commercial and green energy developments).						
W30	Support community-based waste reduction activities (such as buy/swap/sell initiatives, garage sales).	19	Council endorses community-led waste reduction activities through communication material ie social media, Council website, and print media.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
W31	Support community reuse and repair initiatives (such as reduce barriers to buying second hand and repaired products).	19	Council supports community reuse and repair initiatives by endorsing second hand markets.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IMPLEMENTATION PLAN: MINIMISING ENVIRONMENTAL IMPACTS OF MINING							
MEIM1	Continue to advocate (State and Federal Government) to divert mining trucks out of the CBD.	25	Council engaging State and Federal Government to divert mining trucks out of the CBD.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MEIM2	Continue to advocate to ensure the continuation of the Broken Hill Lead Reference Group (State Government).	26	Council continues advocacy and partnership with Lead Reference Group.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MEIM3	Continue to facilitate the Broken Hill Lead Reference Group to address the effects of lead contamination on the City of Broken Hill.	26	Lead Reference Group is supported by Council and effects of lead contamination in Broken Hill continues to be reduced.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

IMPLEMENTATION PLAN: ENHANCING AND PROTECTING THE NATURAL FLORA AND FAUNA

EPNFF1	Set greening target for Broken Hill CBD and develop implementation plan.	27	Implementation Plan for greening Broken Hill developed and implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EPNFF2	Investigate opportunities to increase native vegetation in the CBD to reduce urban heat island effect and increase shade.	27	Opportunities to increase native vegetation in the CBD to reduce urban heat island effects and increase greening targets investigated with findings used to inform strategic planning.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EPNFF3	Review greening initiatives in the DCP and ensure alignment with Council greening targets.	27	Greening initiatives in the DCP reviewed and amended to align with Council greening targets.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EPNFF4	Continue to raise community awareness and participate in greening Broken Hill eg Planet Ark National Tree Day.	27	Council continuously raises community awareness and participates in initiatives designed to increase greening of Broken Hill.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EPNFF5	Continue the work of Albert Morris to green Broken Hill.	27	Continuous progress made against work started by Albert Morris to green Broken Hill.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
EPNFF6	Develop communications material to increase community awareness around Broken Hill regeneration and greening initiatives.	27	Communications material to increase community awareness around Broken Hill regeneration and greening initiatives developed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EPNFF7	Continue to propagate Council's own plant stock at Mulga Wetlands	28	Council propagated own plant stock at Mulga Wetlands and	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

	and identify other key areas to support ecosystem health and revegetation.		identified key areas to support ecosystem health and revegetation. Improvement of landscape from revegetation initiative monitored and progress tracked as part of adaptive management process.				
IMPLEMENTATION PLAN: BUILT ENVIRONMENT							
BE1	Review the DCP to enhance the natural environment and landscaped areas in new development applications for industrial land.	29	DCP reviewed with opportunities to enhance the natural environment and landscaped areas in new development applications for industrial land identified and implemented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



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