

Redland
CITY COUNCIL

AGENDA

SPECIAL MEETING

**Thursday, 25 March 2021
commencing at 1.30pm**

**The Council Chambers
91 - 93 Bloomfield Street
CLEVELAND QLD**

Order Of Business

1	Declaration of Opening.....	1
2	Record of Attendance and Leave of Absence.....	1
3	Declaration of Prescribed Conflict of Interests and Declarable Conflict of Interests.....	1
4	Reports from Infrastructure & Operations	4
4.1	Community Consultation: Draft Waste Reduction and Recycling Plan 2021-2025.....	4
5	Confidential Items	46
5.1	Endorsement of Council of Mayors' Draft SEQ Waste Management Plan	46
6	Meeting Closure	46

1 DECLARATION OF OPENING

On establishing there is a quorum, the Mayor will declare the meeting open.

Recognition of the Traditional Owners

Council acknowledges the Quandamooka people who are the traditional custodians of the land on which we meet. Council also pays respect to their elders, past and present, and extend that respect to other indigenous Australians who are present.

2 RECORD OF ATTENDANCE AND LEAVE OF ABSENCE

Motion is required to approve leave of absence for any Councillor absent from today's meeting.

3 DECLARATION OF PRESCRIBED CONFLICT OF INTERESTS AND DECLARABLE CONFLICT OF INTERESTS

Councillors are reminded of their responsibilities in relation to a Councillor's Prescribed Conflict of Interest and Declarable Conflict of Interest at a meeting. For full details see Chapter 5B of the *Local Government Act 2009*.

In summary:

Obligation of Councillor with Prescribed Conflict of Interest

Section 150EL of the *Local Government Act 2009* requires Councillors to declare a Prescribed Conflict of Interest in a matter at a local government meeting as soon as they become aware of their interest in the matter, either:

- (1) *at a local government meeting, or*
- (2) *as soon as practicable, by giving the Chief Executive Officer written notice of the prescribed conflict of interest.*
- (3) The declaration must include the following particulars:
 - (a) *For a gift, loan or contract – the value of the gift, loan or contract;*
 - (b) *For an application for which a submission has been made – the matters the subject of the application and submission;*
 - (c) *The name of any entity, other than the Councillor, that has an interest in the matter;*
 - (d) *The nature of the Councillor's relationship with the entity mentioned in (c) above;*
 - (e) *Details of the Councillor's, and any other entity's, interest in the matter.*

Dealing with Prescribed Conflict of Interest at a Meeting

Pursuant to Section 150EM of the *Local Government Act 2009*, if a Councillor declares a Prescribed Conflict of Interest in a matter, ***the Councillor must leave the place at which the meeting is being held, including any area set aside for the public, and stay away from the place while the matter is discussed and voted on.***

Obligation of Councillor with Declarable Conflict of Interest

Section 150EQ of the *Local Government Act 2009* requires Councillors to declare a Declarable Conflict of Interest in a matter at a local government meeting as soon as they become aware of their interest in the matter, either:

Giving notice of the Declarable Conflict of Interest, including the particulars below at:

- (1) *at a local government meeting, or*
- (2) *as soon as practicable, by giving the Chief Executive Officer written notice of the declarable conflict of interest.*
- (3) The *declaration* must include the following particulars:
 - (a) The nature of the declarable conflict of interest;
 - (b) If the declarable conflict of interest arises because of the councillor's relationship with a related party:
 - (i) *The name of the related party; and*
 - (ii) *The nature of the relationship of the related party to the Councillor; and*
 - (iii) *The nature of the related party's interests in the matter;*
 - (c) *If the Councillor's or related party's personal interests arise because of the receipt of a gift or loan from another person:*
 - (i) *The name of the other person; and*
 - (ii) *The nature of the relationship of the other person to the Councillor or related party; and*
 - (iii) *The nature of the other person's interests in the matter; and*
 - (iv) *The value of the gift or loan, and the date the gift was given or loan was made.*

Procedure if Councillor has Declarable Conflict of Interest

Pursuant to Section 150ES of the *Local Government Act 2009*, eligible Councillors at the meeting must, by resolution, decide whether the Councillor who has declared the interest:

- (1) *May participate in a decision about the matter at the meeting, including by voting on the matter; or*
- (2) *Must leave the place at which the meeting is being held, including any area set aside for the public, and stay away from the place while the eligible Councillors discuss and vote on the matter.*

Duty to report another Councillor's Prescribed Conflict of Interest or Declarable Conflict of Interest

Pursuant to section 150EW of the *Local Government Act 2009*, a Councillor who reasonably believes or reasonably suspects another Councillor has a Prescribed Conflict of Interest or a Declarable Conflict of Interest in a matter must:

- (3) *Immediately inform the person who is presiding at the meeting about the belief or suspicion; or*
- (4) *As soon as practicable, inform the Chief Executive Officer of the belief or suspicion.*

The Councillor must also inform the person presiding, or the Chief Executive Officer, of the facts and circumstances forming the basis of the belief or suspicion.

Record of Prescribed and Declarable Conflicts of Interest

Where a Councillor informs the meeting of a Prescribed or Declarable Conflict of Interest, section 150FA of the *Local Government Act 2009* requires the following information to be recorded in the minutes of the meeting:

- (1) The name of the Councillor who may have a prescribed or declarable conflict of interest in the matter;
- (2) The particulars of the prescribed or declarable conflict of interest;

- (3) If another Councillor informs the meeting of a belief of suspicion, about another Councillor's Conflict of Interest:
 - (a) The action the Councillor takes;
 - (b) Any decision by eligible Councillors; and
 - (c) The name of each eligible Councillor who voted in relation to whether the Councillor has a declarable conflict of Interest, and how each eligible Councillor voted.
- (4) Whether the Councillor participated in deciding the matter, or was present for deciding the matter;
- (5) For a matter to which the Prescribed or Declarable Conflict of Interest relates:
 - (a) The name of the Councillor who has declared the conflict of interest;*
 - (b) The nature of the personal interest, as described by the Councillor;*
 - (c) The decision made;*
 - (d) Whether the Councillor participated in the meeting under an approval by the Minister;*
 - (e) If the Councillor voted on the matter, how they voted; and*
 - (f) How the majority of Councillors voted on the matter.*
- (6) If the Councillor has a Declarable Conflict of Interest, in addition to the information above, the following information must be recorded in the minutes:
 - (a) The decision and reasons for the decision as to whether the Councillor with the Declarable Conflict of Interest may participate in the decision, or must not participate in the decision; and
 - (b) The name of each eligible Councillor who voted on the decision, and how the eligible Councillor voted.

4 REPORTS FROM INFRASTRUCTURE & OPERATIONS

4.1 COMMUNITY CONSULTATION: DRAFT WASTE REDUCTION AND RECYCLING PLAN 2021-2025

Objective Reference:

Authorising Officer: Dr Nicole Davis, General Manager Infrastructure & Operations

Responsible Officer: Bradley Salton, Group Manager City Assets

Report Author: Karen Smith, Technical Officer, Waste Infrastructure Asset Management

Attachments:

1. Draft Waste Reduction and Recycling Plan 2021-2025 [↓](#)
2. Draft Waste Reduction and Recycling Plan 2021-2025 A Snapshot [↓](#)

PURPOSE

To approve undertaking community consultation for the draft Waste Reduction and Recycling Plan 2021-2025 (the draft Plan).

BACKGROUND

The *Waste Reduction and Recycling Act 2011* requires all Queensland local governments to adopt a waste reduction and recycling plan. This plan is required to set out actions to be taken to improve waste reduction and recycling, and the targets that must be achieved in order to meet the objectives under the Act. The existing Waste Reduction and Recycling Plan 2015-2020 was adopted on 9 December 2015.

The draft Plan has been drafted with regard to the external waste reforms including the National Waste Policy and Queensland Government Waste Management and Resource Recovery Strategy. The state strategy which sets incremental waste reduction and resource recovery, targets zero waste to landfill by 2050.

ISSUES

The draft Plan incorporates a new vision for waste management for the City in line with national and state waste strategies, and is aligned to, consistent with, and supports the current Expression of Interest (EOI) for the Sub-Regional Alliance and the South East Queensland Council of Mayors' (CoMSEQ) draft SEQ Waste Management Plan.

The draft Plan is a foundational piece over four years, and is designed to be agile and flexible in response to changing waste regulation at all levels of government, while also meeting Council's objectives of recovering more resources from waste. Central to the draft Plan's objectives is future proofing against projected additional costs from landfill disposal. It outlines a clear path forward on how the Redlands Coast community can collectively achieve waste reduction and recycling targets towards a zero waste future.

The first State target is to be recycling 50% of waste generated by 2025. The Redlands Coast community currently recycles 49.5% (as at December 2020) of all waste means the target is close to being achieved. However, we need to continue to maintain and improve this level over the life of the draft Plan. Community involvement and input is essential to ensure the commitments of Council are clear and the community is fully on-board and aware of the shared responsibility in reducing waste and recycling more.

The immediate focus of the draft Plan is to encourage individual and household behaviour change to reduce the amount of waste generated, save resources and decrease the amount of waste sent to landfill. In particular, this draft Plan outlines how Council and the Redlands Coast community will work collaboratively to:

- double the number of households with a green waste bin for garden organics, with 35,000 properties participating by 2025
- halve the amount of recyclable material being placed into red-lid general waste bins
- reduce contamination (non-recyclable materials) in the yellow-lid recycling bins from 12 per cent down to five per cent
- ensure everyone knows the importance of using the right bin

The draft Plan will be underpinned by four themes:

- Community education and engagement
- Waste avoidance and diversion
- Recovery of resources
- Planning for the future

Supplementing the draft Plan is a three page Snapshot brochure which highlights the key messages and action items that the community can take away and engage with where they are unable to fully read the draft Plan.

In addition, Council is working on a Waste Management Local Law to strengthen its ability to manage recycling contamination which is a future requirement to support new recycling markets. This local law policy and implementation will follow the consultation of the Plan.

It is proposed that the draft Plan is consulted on with our community for a period of five weeks, from 27 April to 28 May 2021. The following activities are proposed for community consultation:

- Your Say on-line engagement platform
- Council website
- Media release
- Social and print media
- Emails to key stakeholders and interested parties
- Mobile information station at Libraries/Customer Service Centres
- Competition incentive – win one of 10 x \$50 vouchers to spend at IndigiScapes

Following the consultation period, officers will analyse the responses and present a revised Plan, together with the analysis of the consultation results to Council for adoption.

Council officers will then undertake a detailed community behavioural survey within three months after adoption of the Plan to further inform the implementation of the action plan.

Before finalising the draft Plan, the consultants engaged through CoMSEQ, presented the SEQ Waste Management Plan process and target end state at a Council workshop on 11 February 2021. Overall there was support for the direction of this plan.

STRATEGIC IMPLICATIONS

Legislative Requirements

Council has a legislative requirement to develop a waste reduction and recycling plan under the *Waste Reduction and Recycling Act 2011* and seek public consultation on the draft Plan before adoption.

Risk Management

There is a risk that the community consultation may not capture and reflect the needs and values of our broader community regarding waste and resource management. The community engagement tactics have been targeted in a way that encourages broad participation to mitigate this risk.

Financial

Development of the draft Plan, including community consultation, is funded and delivered through existing resources and budget.

Any additional funding requirements required to implement the Plan will be for future budget consideration.

People

The draft Plan identifies Council's strategic waste and resource recovery priorities to provide clear direction for Council employees in planning and allocation of resources to serve the Redlands Coast community. The draft Plan will help Council officers to understand how the waste and resource recovery services and projects they deliver contribute to the long-term vision, goals and outcomes for our city.

Environmental

There are no environmental implications as a result of community consultation.

Social

The draft Plan will allow Council to re-define its strategic priorities and commitments to the community in a transparent manner. The community consultation process allows the community the opportunity to consider and provide feedback on the draft Plan.

Human Rights

There are no human rights implications associated with this report.

Alignment with Council's Policy and Plans

The draft Plan aligns with the Natural Environment section of Our Future Redlands, A Corporate Plan to 2026 and Beyond and achieves significant progress on the catalyst project for waste management to "Participate in the development of a regional waste plan, and develop a local Waste Recycling and Reduction Plan to move towards a zero waste future."

CONSULTATION

Consulted	Consultation Date	Comments/Actions
Mayor and Councillors	Various	Reflected on strategic issues and opportunities; set strategic priorities; contributed to draft content.
Executive Leadership Team	25 January 2021	Reflected on strategic priorities; contributed to draft content.
Senior Leadership Team	Various	Provided advice on strategic priorities; contributed to draft content.
Communication, Engagement and Tourism Group	Various	Provided advice on community engagement planning and content.
Internal Stakeholders	Various	Provided technical advice; contributed to draft content.

OPTIONS**Option One**

That Council resolves as follows:

1. To approve the draft Waste Reduction and Recycling Plan 2021-2025, for the purpose of community consultation.
2. To commence with community consultation for a five week period from 27 April 2021 to 28 May 2021.
3. To consider all submissions made during this time.
4. To authorise the Chief Executive Officer to make any necessary administrative amendments to the draft Plan prior to final publication.

Option Two

That Council resolves as follows:

1. To approve the draft Waste Reduction and Recycling Plan 2021-2025, for the purpose of community consultation with amendments.
2. To commence with community consultation for a five week period from 27 April 2021 to 28 May 2021.
3. To consider all submissions made during this time.
4. To authorise the Chief Executive Officer to make any necessary administrative amendments to the draft Plan prior to final publication.

Option Three

That Council resolves as follows:

1. To not to approve the draft Waste Reduction and Recycling Plan 2021-2025, for public consultation at this time.
2. To consider an amended Plan at a future General Meeting with a new consultation timeframe.
3. To authorise the Chief Executive Officer to make any necessary administrative amendments to the draft Plan prior to final publication.

OFFICER'S RECOMMENDATION

That Council resolves as follows:

1. To approve the draft Waste Reduction and Reduction Plan 2021-2025, for the purpose of community consultation.
2. To commence with community consultation for a four week period from 27 April 2021 to 28 May 2021.
3. To consider all submissions made during this time.
4. To authorise the Chief Executive Officer to make any necessary administrative amendments to the draft Plan prior to final publication.



Waste Reduction and Recycling Plan

2021–2025

Draft for Community Consultation

Contents

Mayor's Message	2
Executive summary	3
Introduction	5
What's the issue with waste?	6
Kerbside waste	6
What's wrong with putting green waste in the red-lid bin?	6
What's wrong with putting recyclables in the waste bin?	7
Kerbside recycling	8
What is recycling contamination?	8
What we do	9
Where does our waste come from?	11
Where to from here?	15
Achieving zero waste	18
Working together with the community	18
Implementing the Plan	21
Theme 1 – Community education and engagement	22
Theme 2 - Waste avoidance and diversion	23
Theme 3 - Recovery of resources	24
Theme 4 - Planning for the future	25
Purpose and alignment	27
Key policy drivers	27
What is a "circular economy"?	27
How does this Plan fit within Redland City Council's strategic priorities?	28
Challenges and opportunities	31
Our key achievements	32
Have your say	33

Mayor's Message

Heading towards a sustainable future: a four-year plan to manage, reduce, reuse and recycle our city's waste

To be inserted.



Figure 1 - Redland City Council green waste collection vehicle

Executive summary

Redland City Council's draft *Waste Reduction and Recycling Plan 2021-2025* (the Plan) outlines a clear path forward on how the Redlands Coast community can collectively achieve waste reduction and recycling targets set by the Queensland Government.

The Plan will be underpinned by four themes:

- Community education and engagement
- Waste avoidance and diversion
- Recovery of resources
- Planning for the future.

Our aim is for 90 per cent of our community to be correctly recycling 90 per cent of their waste, 90 per cent of the time. This is what it will take to reach Queensland's recycling target of 70% by 2050.

Currently, each Redlands Coast resident generates almost 700 kilograms of waste and recycling each year. That means we generate more per capita than the south-east Queensland average of 540 kilograms. We need to change our habits from 'bury it and forget it' to recognising that waste is a valuable commodity.

This Plan outlines how Council and the Redlands Coast community will work collaboratively to:

- double the number of households with a green waste bin for garden organics, with 35,000 properties participating by 2025 diverting an extra 5,450 tonnes of compostable material away from landfill each year;
- halve the amount of recyclable material being placed into red-lid general waste bins, resulting in an extra 3,360 tonnes of recycling each year;
- reduce contamination (non-recyclable materials) in the yellow-lid recycling bins from 12 per cent down to five per cent; and
- ensure everyone knows the importance of using the right bin.

These outcomes will help to future-proof Redlands Coast against waste disposal cost increases, mitigate any future impact from the Queensland Government's waste levy, save valuable resources and contribute to building a circular economy.

We can tackle the issue of garden organics being disposed in household waste bins by encouraging take-up and participation in Council's green waste collection service. Doubling the number of households with green waste bins would halve the amount of garden organics in general waste bins.

Almost half of all Redlands Coast waste is now being recycled. We can do better by helping residents to 'recycle right' by providing clear, easy-to-understand information around what can and can't be recycled in the household yellow-lid bin.

Getting recycling right is crucial to achieving waste reduction targets and delivering other benefits. For example, recycling uses less energy and reduces the demand for finite resources such as trees, water and other raw materials. Sending recyclable items to landfill has a negative impact on the environment as those materials are lost forever and landfills generate greenhouse gases that are released into the atmosphere. A simple step of sorting and separating recycling correctly can save energy, reduce greenhouse gas emissions and lessen our dependence on precious resources.

This draft Plan is the first part of a broader 30-year plan to minimise waste to landfill and align with Queensland's waste reduction ambitions. Our immediate focus is to encourage individual and household behaviour change to reduce the amount of waste generated, save resources and cut the amount of waste sent to landfill.

The draft Plan is designed to be flexible in response to changing waste regulation at all levels of government, while also meeting Council's objectives of recovering more resources from waste, and futureproofing against projected additional costs from landfill disposal.

While it is important for the community to understand what Council requires of residents, it is equally important to ensure Council fully understands the needs of our community as we head towards a sustainable future.

We encourage you to have your say on this draft plan by visiting www.yoursay.redland.qld.gov.au



Figure 2: Green waste processing at Council's green waste composting service provider

Introduction

Rubbish, waste, garbage. Whatever you call it, it's become a big problem. Almost everything we do creates waste and as a society we are currently producing more waste than ever before.

Put simply, waste is what people throw away because they no longer need it or want it. Landfill is the oldest and most common form of residual waste disposal. While today's landfill sites are highly engineered, and a vast improvement on the old-style 'dump', changes are needed if we are to make better use of our waste and minimise the environmental and health impacts that waste has on society and our natural resources.

Communities around Australia have expressed a growing concern about waste and what to do with it, especially problem waste types such as plastic. Governments have responded by introducing significant reforms to recycling policies. The Australian Government's *2019 National Waste Policy Action Plan* and the *Recycling and Waste Reduction Act 2020* seek to reduce the harmful impacts of waste, phase out problematic waste, ban the export of certain waste types and increase resource recovery. The Queensland Government banned single-use plastic bags in July 2018, and passed laws in December 2020 to ban other single-use plastic products, including straws, from 1 July 2021.

However, the waste challenge does not stop at plastics. Due to population growth and encroachment of housing on existing waste disposal infrastructure, the cost of collection and disposal of waste will rise as waste is transported further away, or the cost to operate landfills will increase. The economics and efficiency of sending waste to landfill becomes increasingly difficult to sustain. While Redland City Council continues to explore cost efficiencies across its waste business, residents can also do their part.

This draft Plan sets out a vision and actions to support Council's Corporate Plan environment objective 4.2 for waste reduction and recycling:

Actively encourage reduction, reuse and recycling of waste to support sustainable waste management principles. The draft Plan also includes tips to help residents to reduce waste and outlines actions Council will take in collaboration with the Redlands Coast community, governments and educators towards a future zero waste-to-landfill goal.

What's the issue with waste?

Bin composition audits are regularly undertaken to understand what goes into our kerbside bins. Almost 57,000 tonnes of waste, recyclables and green waste is collected from Redlands Coast households, units and open spaces. However, only 26% of this material is collected from yellow-lid recycling bins or green waste bins.

Kerbside waste

Redlands Coast residents are keen recyclers yet there is still around 64 percent of waste in our red-lid bins that could be kept out of landfill. More than 10,000 tonnes of garden organics go into waste bins and is sent to landfill each year. This material is a valuable resource that could be converted into rich, organic soil material. A further 6,000 tonnes of recyclable material is incorrectly dumped in general waste bins each year.

Council will focus on getting green waste and recyclables out of the general waste stream during the next four years. Easy steps for householders include ordering a green waste bin and 'recycling right'.



Figure 3: A breakdown of the average Redlands Coast waste bin

What's wrong with putting green waste in the red-lid bin?

Almost half of household general waste bin is organic material. About one third of this is made up of garden organics (green waste) and another 18 per cent is food waste.

Over 18,000 tonnes of organic material collected in general waste bins from Redlands Coast households in 2019–20 was sent to landfill. Once landfilled, this organic waste starts to breakdown and decompose, creating mainly methane and carbon dioxide, both major greenhouse gases. The release of greenhouses gases from landfill is a significant contributing factor in climate change.

Not only does landfilling organic waste create major environmental challenges, it's a waste of a valuable resource. Composting garden organics can contribute to economic activity and improve the environment through the supply of soil products to landscaping and construction industries. The use of soil products and mulch from green waste is widely used for revegetation, land remediation and soil stabilisation.



Figure 4: Kerbside green waste being dropped off at a Recycling and Waste Centre ready for transport to a composting facility

What's wrong with putting recyclables in the waste bin?

More than 6,000 tonnes of recyclable material unnecessarily goes to landfill each year, placing pressure on landfill capacity, and losing valuable resources forever.

The Queensland Government introduced a waste levy in July 2019. In the short term, the State government is reimbursing local governments for the levy costs related to household waste bins and domestic waste disposed at the Recycling and Waste Centres. This payment is legislated to be removed from 1 July 2022, and will result in significantly higher costs for all waste disposed to landfill. This plan aims to future proof and mitigate against the rising costs of waste disposal by recovering more recyclable materials from general waste, and avoiding paying the levy on these recoverable resources.

Council and the community can work together to 'recycle right'. By taking the time to recycle every item you can through the kerbside system, you reduce the impact on the environment and save money.

Kerbside recycling

Putting the wrong items in the yellow-lid recycle bin leads to recycling contamination. More than one tenth of what's in our kerbside recycling bins shouldn't be there. This equates to almost 1,300 tonnes of non-recyclable waste going in the wrong bins.

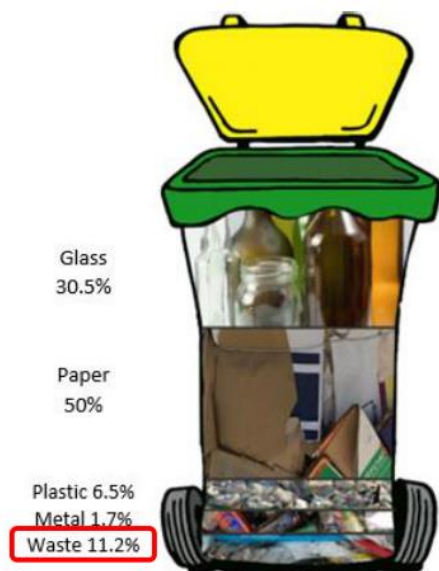


Figure 5: A breakdown of the average Redlands Coast recycle bin

What is recycling contamination?

Recycling contamination occurs when the wrong material goes into the yellow-lid recycling bin. Soft plastic wrapping, plastic bags, nappies, ceramic cups, food scraps and green waste must not go into the recycling bin.

This form of contamination increases the cost of sorting residential waste. Better segregation of recyclables and waste in the kitchen and other parts of the home can improve the quality and quantity of recyclables placed in recycling bins.

Understanding what happens to recycled waste after it is collected may also help residents to 'recycle right'. Once collected from the kerbside, material is taken to a Materials Recovery Facility (MRF) where it passes through a series of fast-moving sorting lines and is separated by machines into different material types. The materials are cleaned, processed and made into new products by industry and manufacturers both locally and overseas.

While placing the wrong items in the recycling bin may seem harmless, the consequences can be significant. If there is too much contamination, the mechanical sorting processes may not be able to separate the recyclable materials from the waste materials, resulting in valuable recycling materials going to waste.

By ensuring you are 'recycling right', Redlands Coast can continue to contribute to making new products from reusable material.



Figure 6 -Redlands Coast recycling truck tipping at Visy Recycling's material recovery facility at Murarrie

What we do

Redlands Coast is located approximately 26 kilometres from the Brisbane CBD and covers 537 square kilometres stretching across mainland and island communities. In 2018, the estimated population of Redlands Coast was 156,863¹ consisting of 61,204 households made up of couples with and without children, one parent families, single occupiers and group households.

All Redlands Coast residents have access to kerbside wheelie bin collection services. This includes a weekly waste and fortnightly recycling service. Mainland residents can also receive an optional fortnightly green waste collection service for garden organics.

Council offers a flexible 'bin menu' that allows residents to choose the right combination for their household. The kerbside bin system includes 140-litre wheelie bins for waste and recycling, 240-litre wheelie bins for waste, recycling and garden organics (green waste) and 340-litre wheelie bins for recycling. Council also rewards residents who actively reducing their general waste to landfill by providing the 140-litre waste bin at a lower annual cost than the standard 240-litre bin.

The larger 340-litre recycling bin and additional recycling bins are offered to households and business to capture more recyclable material rather than recyclable materials being placed in general waste bins.

¹ Profile ID, 2018. Redland City Estimated Residential Population 2018. <https://profile.id.com.au/redland/population-estimate>

The green waste bin for mainland residents provides for removal of tree prunings, grass clippings, leaves and other organic material. Residents and businesses can opt to have multiple green waste bins at their properties.



Figure 7: Examples of different size bins available to Redlands Coast mainland residents

Redlands Coast residents have access to eight Recycling and Waste Centres located at Birkdale and Redland Bay on the mainland, and on each of the six islands.

The Recycling and Waste Centres on the mainland and at North Stradbroke, Russell and Macleay Islands operate seven days a week, 363 days a year. Open hours for the island centres are set according to community needs. A resource recovery centre, RecycleWorld, operates out of the Redland Bay Recycling and Waste Centre and is open at reduced hours each week.

A bulky item collection service, by appointment, services an eligible section of the community across the City who are unable to visit a Recycling and Waste Centre.

All Redlands Coast Recycling and Waste Centres receive residential waste. Two mainland and four island sites receive limited types and volumes of commercial waste, which makes up less than five per cent of all waste and recyclables collected or received by Council. Redland City Council does not operate any landfills. Our landfill waste is transported to an external disposal facility at Staplyton, on the northern end of the Gold Coast local government area.

Table 1: Summary of Recycling and Waste Centres

Location	Household items accepted
Birkdale and Redland Bay	Mixed waste, bricks and concrete, car batteries, cardboard, clean fill (soil), clothing, e-waste, gas bottles, timber and green waste, scrap metal, polystyrene, tyres, cooking and motor oil, asbestos and household hazardous waste (Redland Bay only)
Coochiemudlo (Goochie mudlo) Island	Mixed waste, green waste and timber, car batteries, cardboard, gas bottles, scrap metal, tyres, asbestos and household recyclables
Karragarra (Karragarra) and Lamb (Ngudooroo) islands	Mixed waste, timber, green waste and scrap metal
Macleay (Jencoomercha) and Russell (Canaipa) islands	Mixed waste, timber, car batteries, cardboard, gas bottles, green waste, scrap metal, tyres, asbestos and household recyclables
North Stradbroke Island (Minjerribah)	Mixed waste, timber, car batteries, cardboard, gas bottles, green waste, scrap metal, tyres, asbestos and household recyclables

Headline:

The region's population is expected to grow by 23% to over 192,000 by 2041.

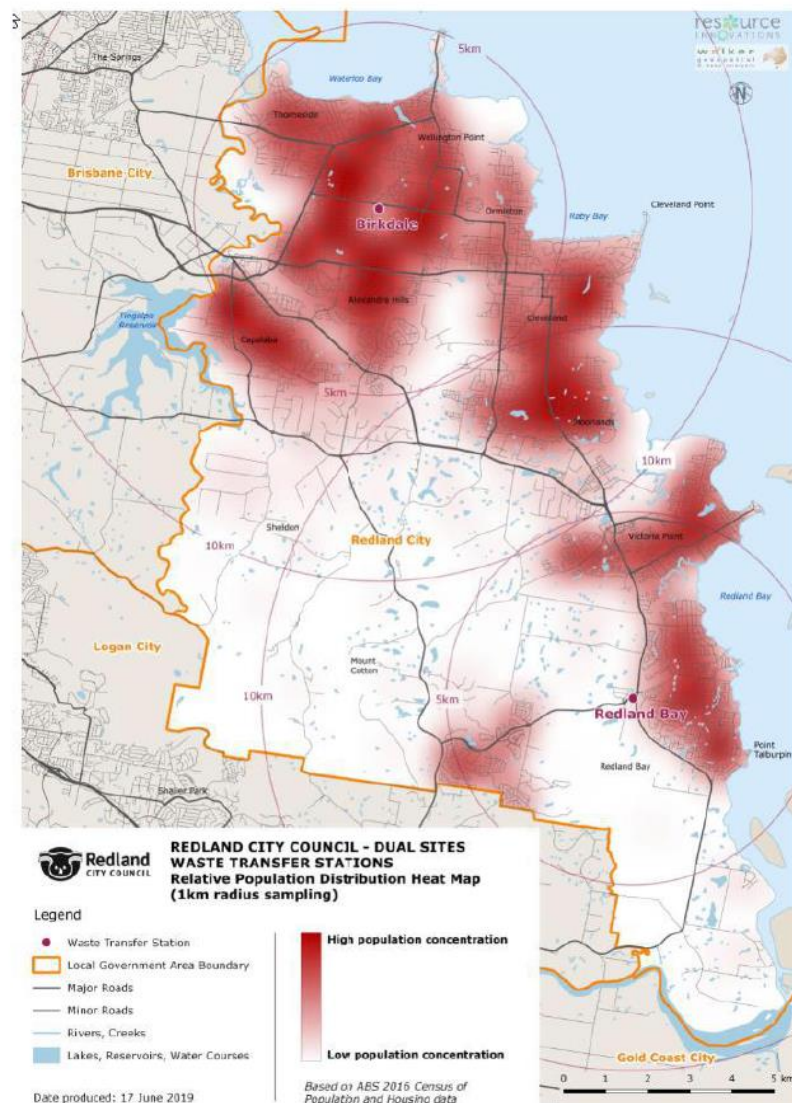


Figure 8: JJ's Waste and Recycling new fleet of Euro 6 low emission trucks dedicated to Redlands Coast

Where does our waste come from?

Over 350,000 customers visited Redlands Coast Recycling and Waste Centres in 2019–2020 and disposed of 51,384 tonnes of domestic waste and recyclables—enough to fill more than 42 Olympic-sized swimming pools.

The Birkdale centre receives the largest amount of visits each year with around 195,000 transactions in 2019–20, due to its proximity to high density suburbs. Redland Bay recorded around 164,000 transactions in the same year, which included customers visiting RecycleWorld.



Of the total domestic waste managed by Council, 54 per cent is collected through the kerbside bin system while 46 per cent is received directly at the Recycling and Waste Centres (self-haul). The Recycling and Waste Centres will continue to receive waste and recycling from all new land developments in Redlands Coast for the life of this draft Plan.



Figure 9: Timber stockpile at Birkdale Recycling and Waste Centre

Redland City Council waste and recycling snapshot (2019–20)

- Total domestic waste and recyclables collected from households or received at the Recycling and Waste Centres - **108,270 tonnes**
- Total domestic waste generation (waste, recycling and green waste) per person per annum - **676 kilograms**
- Number of waste, recycling and green waste wheelie bin collections – 4,519,642
- Domestic waste collected by kerbside waste collection trucks **39,198 tonnes**
- Domestic recycling collection by kerbside recycling collection trucks **11,546 tonnes**
- Household green waste received at Recycling and Waste Centres – **21,689 tonnes**

Recycling rates are higher at the Recycling and Waste Centres with around two thirds of all materials received reused or recycled, compared to only 26 per cent of materials recycled via the kerbside bin system (2019–20). The high level of recycling at the centres is due to:

- high levels of service for a range of different recyclables to be separated
- our community segregating waste prior to visiting, enabling better separation on site
- on-site monitoring and assisting customers to maximise their separation on site
- limiting access to large-sized mixed waste vehicles
- relatively large volume of green waste (being the predominant resource received).



Figure 10: Aerial view of Birkdale Recycling and Waste Centre

Materials recycled from our Recycling and Waste Centres include:

- Green waste **24,086 tonnes**
- Bricks and concrete **6,311 tonnes**
- Soil and clean fill **2,720 tonnes**
- Scrap metal and batteries **4,267 tonnes**
- Cardboard **661 tonnes**
- Tyres **143 tonnes**
- Polystyrene **27 tonnes**
- Clothing **79 tonnes**
- Donations to RecycleWorld **206 tonnes**
- E-waste **257 tonnes**
- Oil **90 tonnes**

Hazardous Waste **19 tonnes**

Headline:

Over 48,635 tonnes of domestic recyclable material was recovered at the Redlands Coast Recycling and Waste Centres and from green waste bins during 2019–2020.



Figure 11: Garden organics being loaded before transport for composting

Where to from here?

In conjunction with its waste levy, the Queensland Government released the *Waste Management and Resource Recovery Strategy* which sets a vision to be a zero-waste society where waste is avoided, diverted, reused and recycled to the greatest extent possible. To support that vision, targets have been set for recovering resources and energy from waste. The targets are:

- 25 per cent reduction in household waste by 2050
- 90 per cent of waste is recovered and does not go to landfill by 2050
- 75 per cent recycling rates across all waste types by 2050.

Headline:

**We don't need a handful of people doing zero waste perfectly.
We need millions of people doing it imperfectly.**

The Queensland Government targets have been plotted against existing Redland City Council performance in the tables below. There are several waste types, such as asbestos, which must be landfilled and the targets reflect the division of avoidable waste from landfill.

Table 2: Waste reduction targets for households (per capita)

Stream	Baseline (2018–19)	Reduction/ Target 2025	Reduction/ Target 2030	Reduction/ Target 2040	Reduction/ Target 2050
Qld MSW*	540kg	10%	15%	20%	25%
Redlands Coast MSW*	632kg	569kg	537kg	506kg	474kg

Table 3: Waste diversion from landfill targets (recovery rate as a percentage of total waste generated including energy from waste)

Stream	Baseline (2018–19)	Target 2025	Target 2030	Target 2040	Target 2050
Qld MSW*	32.4%	55%	70%	90%	95%
Redlands Coast MSW*	45.7%				

Table 4: Recycling rates (as a percentage of total waste generated)

Stream	Baseline (2018–19)	Target 2025	Target 2030	Target 2040	Target 2050
Qld MSW*	31.1%	50%	60%	65%	70%
Redlands Coast MSW*	45.7%				

*Municipal Solid Waste (MSW) – is all waste produced by households – this includes waste, recycling and green waste.

Redlands Coast residents are generating more waste per capita than the state 2018–19 baseline. This is largely due to our climate and the nature and size of residential properties, resulting in high volumes of household green waste. Our green waste represents almost a quarter of all waste generated per person.

The recycling rate in Table 4 represents the percentage of waste that is recycled or reused, but excludes the recovery of energy from waste (EfW). It is calculated as the total amount of total waste that is recycled or reused divided by the total waste and recyclables handled by Council.

Actions by Council and the community have lifted the recycling rate to 49.5 per cent (as at December 2020). However, further action and commitment is needed if we are to meet the future recycling targets.

This draft Plan includes a range of low-cost actions for Council and the community to work together to lift the existing recycling performance beyond 50 per cent by 2025. For example, if all Redlands Coast residents committed to using the right bin for recyclables and green waste, households would only need the smaller 140-litre general waste bin each week – with room to spare.



Figure 12: Upgrade of Birkdale Recycling and Waste Centre hardstand using 550 recycled passenger tyres

Headline:

Waste management is an essential service for our community and one of our biggest social, environmental and economic challenges.

This draft Plan is the first stage in a 30-year plan out to 2050 to minimise waste to landfill and align with the Queensland Government's waste strategy. It includes a vision for resource recovery and waste management to 2025, and a framework beyond 2025, under four themes.

When finalised, the Plan will be monitored against key milestone targets set for 2025.

Achieving zero waste

Redland City Council is committed to finding sustainable solutions to meet waste reduction targets. Council has identified four key themes that support objective 4.2 of Redland City Council's Corporate Plan.

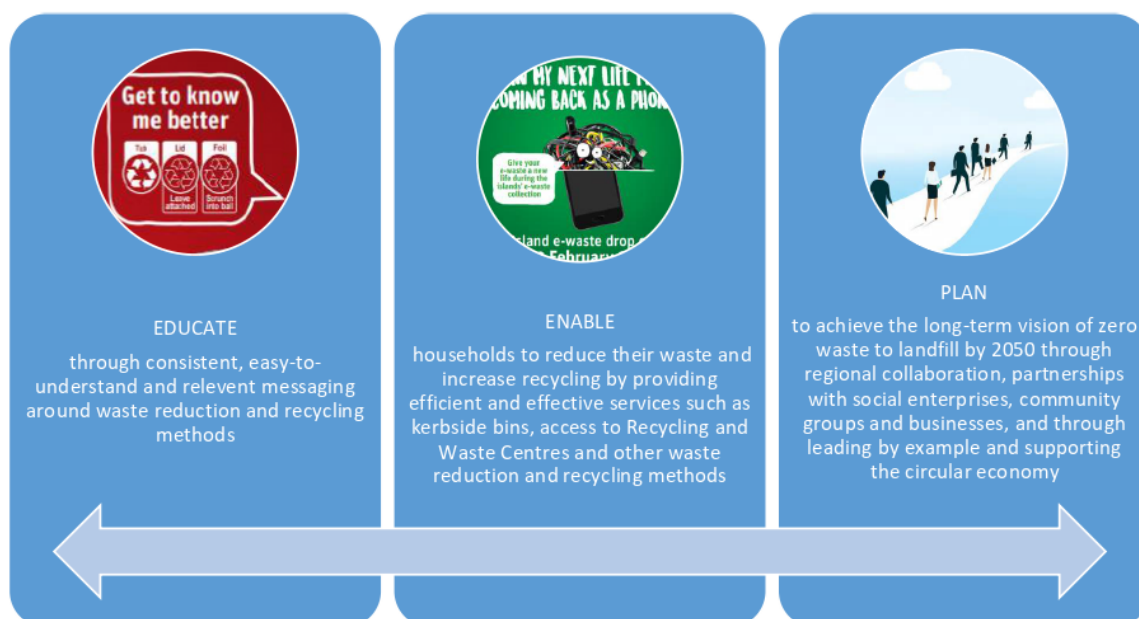
Council and the Redlands Coast community will work collaboratively to:

- double the number of households with a green waste bin for garden organics, with 35,000 properties participating by 2025 diverting an extra 5,450 tonnes of compostable material away from landfill each year
- halve the amount of recyclable material being placed into general waste bins, resulting in an extra 3,360 tonnes of recycling each year
- reduce contamination (non-recyclable materials) in the yellow-lid recycling bins from 12 per cent down to five per cent to improve the quality and value of these resources
- ensure everyone knows the importance of using the right bin.

These target actions will help to future-proof Redlands Coast against waste disposal cost increases, mitigate any impact from the Queensland Government's waste levy, save valuable resources and contribute to a circular economy.

Working together with the community

A shift in community attitude is required to meet our waste challenge. By working together, Council will seek to motivate households to be engaged and empowered to act themselves. Such a shift will come from increased awareness and education about ways to reduce waste, correct use of wheelie bins at home and the services at Recycling and Waste Centres, and in the community.



Here is how Redland City Council and the community can work together to achieve the long-term vision of zero waste to landfill:

What we do	What you can do
<p>Provide waste and recycling collection services to each residential property.</p> <p>Provide an optional fortnightly green waste collection service for mainland residents.</p> <p>Provide information to the community that supports the correct use of recycling, green waste and general waste bins.</p>	<p>Get a green waste bin (where available) to maximise green waste recovery and diversion from landfill. Take excess or large green waste to the Recycling and Waste Centres.</p> <p>Separate out recyclable items into yellow-lid recycling bins and remove all recyclables from waste bins.</p> <p>Don't contaminate yellow-lid recycling or green-lid garden organics bins with general waste.</p> <p>Ensure hazardous waste is not placed in any kerbside bins and is disposed of at either community drop-off points or the Recycling and Waste Centres.</p>
<p>Operate and maintain Recycling and Waste Centres for residents and businesses to dispose their waste and recyclable materials.</p> <p>Segregate, recover and recycle items wherever possible at the Recycle and Waste Centres.</p> <p>Provide value-for-money service contracts for recycling, resource recovery and waste disposal will seek to maximise the value and volume of recyclable commodities, and divert waste from landfill wherever possible.</p>	<p>Take all recyclable material not suitable to be placed in yellow-lid recycling bins to the Recycling and Waste Centres.</p> <p>Take excess or large green waste to the Recycling and Waste Centres.</p> <p>Actively engage with recycling and waste centre staff, seeking to use all available recycling opportunities at the facilities.</p> <p>Sort your load prior to arriving to allow easy disposal of waste and drop off recyclables and waste in the correct locations on site to maintain or maximise the value of the resource.</p> <p>Redistribute usable items wherever possible prior to disposing of them through buy/swap/sell sites, garage sales or charities, or drop-off to RecycleWorld.</p> <p>Don't dump waste (including green waste) illegally.</p>
<p>Provide a community education and engagement program through:</p> <ul style="list-style-type: none"> communications and information material participation in national and international awareness campaigns community events or school communications to residents and students on how to reduce waste generation, re-use and recycle wherever possible promotion of Council's waste management services. 	<p>Read education material provided by Council to be fully informed and aware of correct recycling behaviours.</p> <p>Reduce food waste through meal planning, shopping lists, correct food preparation and storage.</p> <p>Compost unavoidable food waste.</p> <p>Take soft-plastics, compost and other recyclable material not suitable for household recycling bins to community drop-off points or recycling centres.</p> <p>Take part in waste reduction and recycling incentive programs.</p> <p>If out and about, take your waste home with you or use the bins provided.</p>



Figure 13: Larger 340-litre recycle bin available to all residents showing the five things to be put into the recycle bin

Headline:

Achieving a zero-waste society will take decades. This four-year plan lays the foundation of a future strategy out to 2050 to minimise waste to landfill.

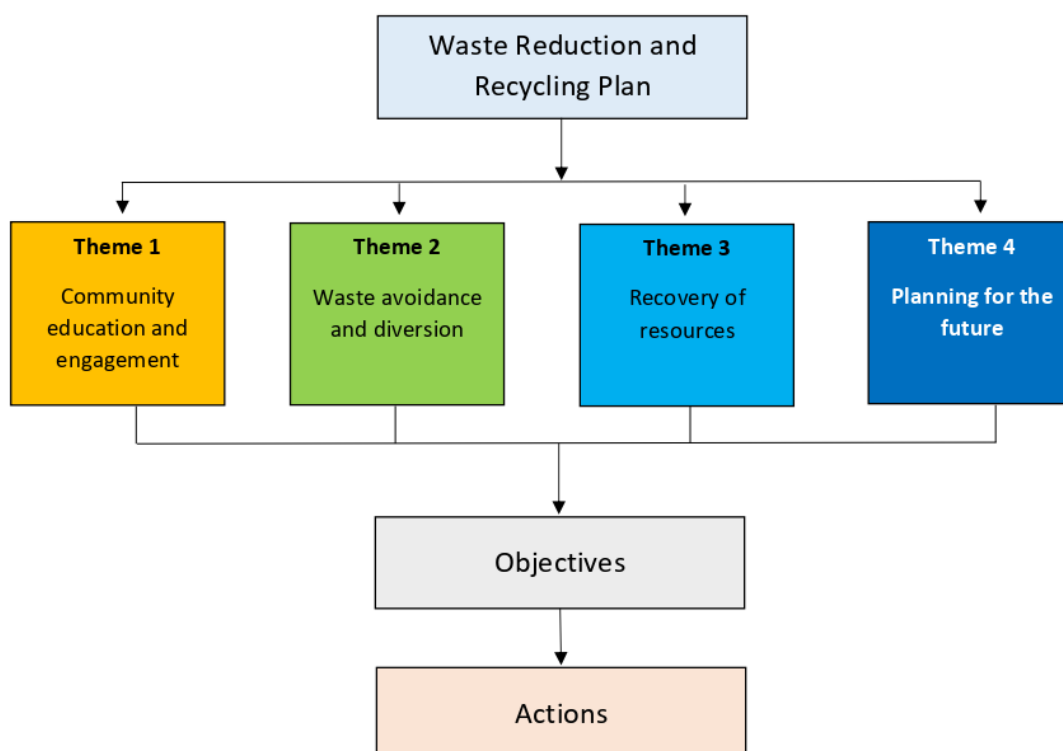
Implementing the Plan

Redland City Council provides a variety of services to support effective and efficient waste management and resource recovery. Council's role in providing these services will vary and be influenced by needs, demand, costs, legislation and community expectation. All stakeholders including households, community groups, business partners and government agencies have a responsibility to contribute towards achieving successful outcomes.

Council's Role	Description
Deliver	Plan, deliver and fund services and projects
Facilitate	Assist others to undertake activities by bringing interested parties together
Partner	Work with other stakeholders to achieve shared goals
Educate	Share learning to support broader understanding and action
Advocate	Promote the interest of the community to influence decision makers
Regulate	Regulate activities through laws and regulation

Timeframes	
Short	The actions will commence in Year 1 or Year 2
Medium	The actions will commence in Year 3 or Year 4
Long	The actions will be explored after Year 4
Ongoing	Will be dealt with over the life of the Plan

The draft Plan sets out key objectives and actions under four themes. Each theme identifies specific action items, with some highlighting catalyst projects and key initiatives that will drive the desired outcomes over the next four years. Catalyst projects will investigate, inform and guide future strategic planning and priorities.



Theme 1 – Community education and engagement

Education plays an important role in promoting behavioural change by gaining awareness, co-operation and participation in minimising waste and maximising resource recovery. Council will continue to build on effective communication and promotion strategies, with a view to educating the Redlands Coast community now and into the future.

Objective: Deliver a four-year Waste Education Communication Plan that focuses on a shared responsibility between Council and the community to avoid and reduce waste and increase recycling rates.

Action items	Council's role	Timeframes
Educate the community on a) the importance of using the right bin and issues arising when not using the right bin; b) removing recyclables from general waste bins; c) why contamination in recycling bins is an important issue; and d) the importance of getting a green waste bin.	Educate	Ongoing
Provide regular information to the community on progress against recycling targets by using kerbside bin audit and other data captured in Council's waste and recycling operations.	Educate	Ongoing
Continue education and awareness programs and campaigns to all community sectors through channels including schools, events, online and, where possible, leveraging national initiatives.	Educate	Ongoing
Introduce a Reward and Recognition Program for outstanding contributions to waste diversion/recovery of resources for community and individual nominations.	Deliver	Ongoing
Implement Towards Zero Waste behaviour change program with Redland City Council staff to support and educate employees on waste avoidance, waste reduction and recycling behaviour.	Educate	Medium
Introduce and communicate the purpose of the Waste Management Local Law to support correct kerbside bin use and disposal at recycling and waste centres.	Educate	Ongoing

Measuring our success

- Meeting annual planned actions
- Reduction in percentage (%) contamination in recycling bins
- Reduction in percentage (%) recyclable materials in general waste bins
- Community satisfaction and feedback

Theme 2 - Waste avoidance and diversion

Waste avoidance and diversion of waste from landfill is a key objective under the Queensland Government's *Waste Management and Resource Recovery Strategy*. One of the biggest challenges Redlands Coast residents will face is making changes at home, work and school. It is no longer just about increasing the amount we recycle, we must change our habits to avoid or reduce waste in the first instance. Council will seek to support the community by undertaking the following objectives and actions:

Objective: Divert waste from general waste bins by encouraging the community to find ways to avoid waste and reuse, with disposal as the least preferred option.

Action items	Council's role	Timeframes
Provide incentive schemes for Redland Coast community to increase the use of sustainable items (e.g. cloth nappies).	Educate/ Facilitate	Ongoing
Provide incentive schemes for the community to increase home composting and food waste diversion through subsidised compost bins.	Deliver/ Educate	Short
Continue participation and membership in Garage Sale Trail, including marketing and promotion.	Deliver/ Facilitate	Ongoing
Trial membership in Grow it Local to increase composting and reduction of organic waste to landfill, including sponsorship of events, marketing and promotion.	Facilitate	Medium
Evaluate the ASPIRE online business-to-business reuse tool to determine effectiveness.	Advocate	Short
Trial and evaluate a community-led food waste composting scheme at Karragarra Community Garden.	Deliver/ Facilitate	Short
Ensure recycling infrastructure and service levels at Recycling and Waste Centres are sufficient to maximise the diversion of recyclable materials from the residual waste bins.	Deliver/ Educate	Short

Measuring our success

- Municipal solid waste generated per capita: *Tonnes per capita per year*
- Contamination rates: *Percentage of contamination in recycle bins by year*

Theme 3 - Recovery of resources

Waste should no longer be considered as something that is buried in the ground. It is a valuable resource that can be reused or repurposed into other products. While it is not always possible to avoid or reduce waste, we can achieve recovery of resources by improving the quality of recycling in our kerbside bins, supporting repair and reuse facilities, and second-hand markets such as RecycleWorld.

Objective: Increase the recovery and recycling rate of resources from waste.

Action items	Council's role	Timeframes
Accelerate the growth in voluntary green waste bins across the mainland and double the number of households using a green waste bin to 35,000 by 2025.	Deliver/ Educate	Ongoing
Active monitoring and enforcement of correct bin use to reduce contamination and maintain high quality recycling by using collection vehicle technology and direct communications with householders.	Deliver/ Educate	Ongoing
Expand community touch points for recovery of difficult waste types including additional recycle stations in libraries.	Deliver	Short
Practice improved sustainable procurement by including criteria to support engaging service providers and suppliers who demonstrate increased recycling and resource recovery outcomes and progression towards the circular economy.	Deliver	Short
Trial small-scale return of composted organics back to residents.	Deliver	Short

Catalyst Projects

1. Develop a business case for an optional user-pays green waste collection service for the islands.

Measuring our success

- Diversion of waste from landfill: *recycling rate percentage per year*

Theme 4 - Planning for the future

Future planning and management of existing infrastructure is a key component in waste management. Redland City Council recognises the importance of waste infrastructure in the improvement of waste management in the City. Council will dedicate resources towards ensuring it will be developed appropriately while ensuring it is fit-for-purpose, cost effective and designed to facilitate a greater user experience.

Objective: Ensure economies of scale by collaborating with others and planning for the right infrastructure and services at the right time.		
Action items	Council's role	Timeframes
Collaborate with other south-east Queensland local governments to assess opportunities for shared resource recovery infrastructure and programs.	Facilitate	Long
Annual review of <i>Waste Asset and Service Management Plan</i> and capital works program for demand management, future renewal and upgrade of waste assets such as Recycling and Waste Centres.	Regulate	Ongoing
Support and promote circular economy principles in urban planning, infrastructure development and projects.	Facilitate/Educate	Medium
Identify areas across planning codes, guidance material and waste management plans to strengthen and provide consistency to waste and recycling infrastructure provisions.	Facilitate/Educate	Short
Facilitate an Island Symposium to discuss ways to develop green waste reuse and support a micro-circular economy on the islands.	Facilitate	Medium

Catalyst Projects

1. Continue to investigate feasibility and timing of a compulsory kerbside Food and Garden Waste (FOGO) collection service across the City.
2. Explore opportunities to partner with social enterprises, community groups and local business to support the transition to a circular economy.
3. Investigate opportunities to establish community led reuse/repair centres within the City.
4. Partner with and support existing community gardens to expand community composting schemes.
5. Explore options to upgrade or relocate RecycleWorld facility to reduce demand on aging infrastructure and maintain strict safety standards at Redland Bay Recycling and Waste Centre.

Measuring our success

- Actions for asset upgrade or replacement as per Waste Asset and Service Management Plan.



Figure 14: Recent upgrades at Birkdale Recycling and Waste Centre

Headline:

Imagine living in a society where there is no waste.

Purpose and alignment

The *Waste Reduction and Recycling Act 2011* (the Act) requires all local governments to adopt a Waste Reduction and Recycling Plan that sets out clear guidelines and targets to meet the objectives under the Act.

This Plan contains information required by the Act such as:

- population growth forecast
- residential and commercial development
- waste types and quantities handled by Council
- Council services and facilities in place to manage the various types of waste according to the waste and resource management hierarchy and principles
- an action plan to chart a course towards meeting the State's waste and resource management strategy goals and targets.

Key policy drivers

International, national and state policies will guide better resource recovery management and eventually zero waste to landfill. Some of the key policy drivers are listed below:

- The United Nations *2030 Agenda for Sustainable Development* includes global waste management goals within the Sustainable Development Goals to guide actions by Australia. Sustainable Development Goal 12 focuses on responsible consumption and production patterns.
- The Federal Government's *National Waste Policy 2018* adopts five principles that support the vision of a circular economy where we maintain the value of resources for as long as possible. The *Recycling and Waste Reduction Act 2020* establishes a national framework to manage waste and recycling across Australia. It includes export bans on recyclable products, and aims to stimulate economic activity and job creation, while setting targets for waste reduction and increased recycling.
- The Queensland Government's *Waste Management and Resource Recovery Strategy* was adopted in 2019 and presents a strategic plan where Queensland becomes a zero-waste society where waste is avoided, reused or recycled to the greatest extent possible.
- Redland City Council develops and implements the strategic direction for waste and resource recovery infrastructure and services for its community.

What is a "circular economy"?

A circular economy is an economic system whereby materials and products are recirculated for as long as possible, through reuse, recycling and remanufacturing. This is in opposition to a linear economy where we make, use and send waste to landfill. A circular economy can only be successful if it is driven by the consumer's purchasing behaviour and correct recycling practices as well as investment by the resource recovery and manufacturing sectors.



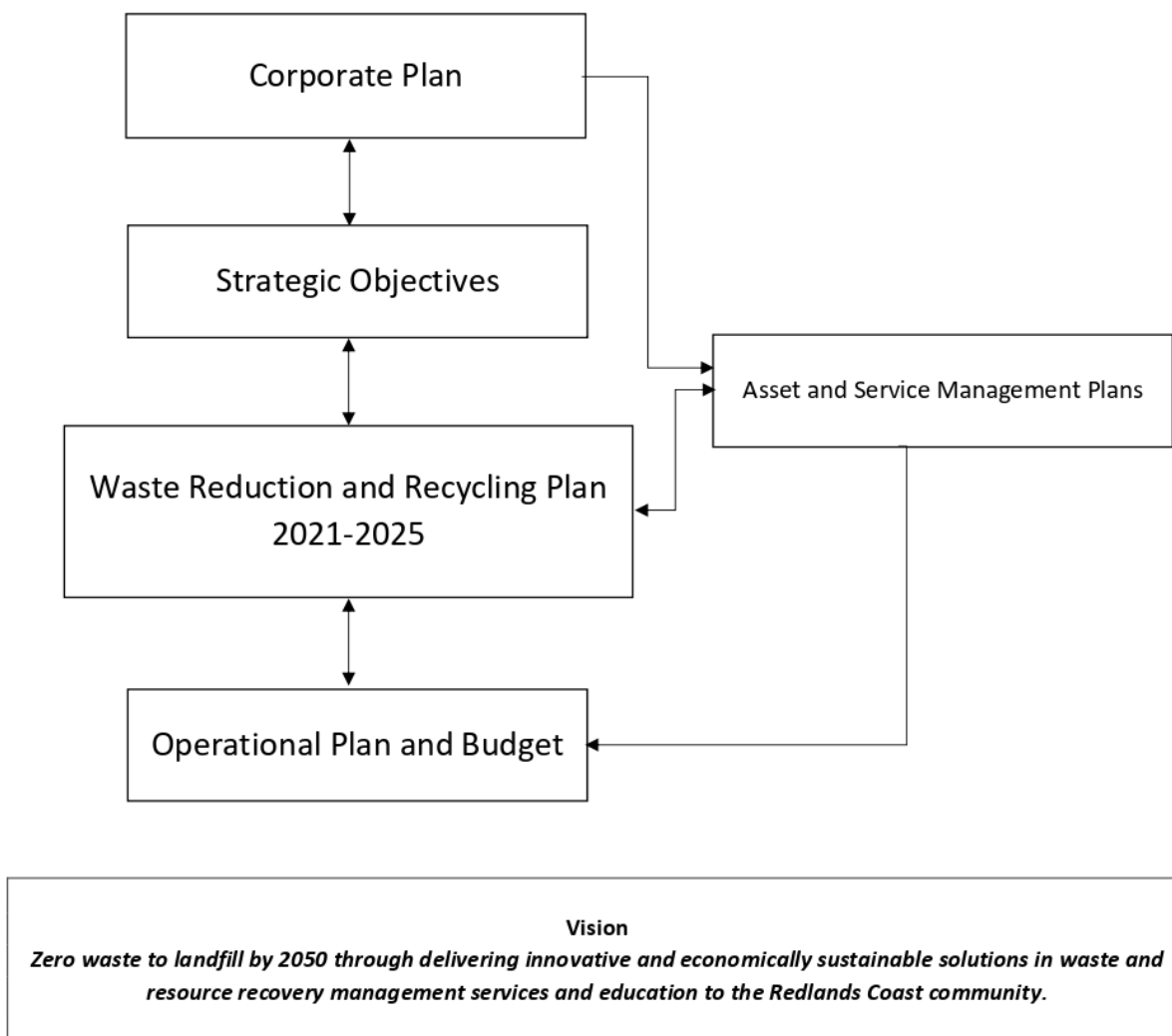
Source: <https://www.environment.gov.au/system/files/resources/5b86c9f8-074e-4d66-ab11-08bbc69da240/files/national-waste-policy-action-plan-2019.pdf>

How does this Plan fit within Redland City Council's strategic priorities?

Redland City Council's *Our Future Redlands – A Corporate Plan to 2026 and Beyond* is a key strategic document that lays the foundations for delivering services, projects and facilities to the community.

The draft *Waste Reduction and Recycling Plan 2021-2025* will align with and complement Council's Corporate Plan and be implemented through a consistent program of planning, reviewing, decision-making and delivery.

The development of the Plan contributes to the Natural Environment Theme and the 2026 Natural Environment objectives within the Corporate Plan, along with supporting Efficient and Effective Organisation goals.



Headline:**90% of the community, recycling 90% of waste, 90% of time.****Side bubble:**

Tip: Avoid waste by using your own water bottle, produce bags, coffee cups and take-away containers. Over a billion coffee cups end up in landfill every year.

Side bubble:

Tip: Reduce food waste by meal planning and composting.

Fact: Australians dump around 2.3 million tonnes of household food waste each year. That's equivalent to one in five shopping bags of food ending up in landfill, or \$3,800 worth of wasted food per household.

Fact: Organic waste that ends up in landfill creates around 13 million tonnes of carbon every year in Australia.

**Side bubble:**

Fact: 72% of all material collected from households via the kerbside collection service is from the red-lid waste bin, 20% is from yellow-lid recycle bins and 8% is from green waste (garden organics) bins.

Side bubble:

Tip: Reuse items instead of buying new. You can save money and help the planet by hosting a garage sale or buying from local 'buy, swap and sell' sites.



Figure 15: Council aims to have 35,000 households using a kerbside green waste bin by 2025.

Challenges and opportunities

The following challenges and opportunities were identified and considered in the preparation of this draft Plan.

Challenges	Opportunities
Cost	
Increasing actual and forecasted costs for managing waste due to external influences including market forces.	Continually review operations for efficiencies.
Growing population	
Managing population growth inevitably means more waste and demand on services.	Robust awareness and education campaigns to encourage and reward collective waste diversion and avoidance.
Growth in multi-unit developments	
Higher density living creates pressure on resource recovery methods.	Investigate integrated recycling chutes or improved waste and recycling storage requirements in apartment designs to encourage waste diversion.
Remote communities	
Island communities having access to same service as mainland communities.	Investigate small scale solutions, dedicated trials and localised waste and recycling solutions to create a micro circular economy on the islands to minimise off island transport and maximise retention of valuable resources for community use.
Regional collaboration	
Economies of scale matter and Redland City Council is too small to establish major new processing infrastructure on its own. Different messages and communication plans by local governments can cause confusion at household level.	Redland City Council will get better value-for-money by collaborating with others and actively participating in regional working groups. Regional communication strategies will enable consistent messages and shared costs.
Waste infrastructure	
Outdated Recycling and Waste Centre infrastructure is currently limiting the extent to which material can be recovered from the waste bins. Visitation to these centres continues to grow with an increased population each year.	Explore best practice resource management infrastructure design and operation to maximise efficiencies and minimise costs at the Recycling and Waste Centres. Continue to explore alternative options for reducing demand at the Recycling and Waste Centres.
Community engagement and behaviour change	
Changing household and consumer daily habits and refocus of energies (for example during COVID-19 lock-down) resulting in an increase in waste disposal and decrease in focus on waste avoidance, reduction and recycling right.	Focus on multiple different waste avoidance and waste diversion education opportunities and circumstances to assist in reducing overall waste to landfill.
Other external factors influencing levels of engagement around the transition to a zero-waste future.	Increase awareness of waste avoidance and diversion to mitigate any future State Government waste levy surcharge. Opportunity for increased jobs by recycling more material.*

* For every 10,000 tonnes of waste that goes to landfill, it is estimated that fewer than three jobs are supported, but where that waste is reused or recycled, it is estimated that there are more than nine jobs created (Deloitte Access Economics, *Employment in waste management and recycling*, 2009).

Our key achievements

During the past five years, Council and the community have been working hard to achieve the targets set out in the *Waste Reduction and Recycling Plan 2015-2020*. Highlights include:

<ul style="list-style-type: none"> • Maintaining high resource recovery performance at Council's Recycling and Waste Centres recycling - on average two-thirds of all materials received
<ul style="list-style-type: none"> • Rebranding and reinvigoration RecycleWorld to capture a new audience and customer base
<ul style="list-style-type: none"> • Participation in Garage Sale Trail in 2018 and 2019 (in which Redland City Council was awarded an Outstanding Achievement Award), with a commitment to continue until 2021
<ul style="list-style-type: none"> • Entered a 12-year contract for waste, recyclables and green waste collection services with JJ's Waste and Recycling. This contract includes new technology to deliver targeted recycling education, green bin collection across the full city area and allows for Food Organics and Garden Organics (FOGO) to be introduced at a future date
<ul style="list-style-type: none"> • Managed the continuation of the kerbside recycling service in the face of China National Sword including cost impacts
<ul style="list-style-type: none"> • Pilot program titled 'Waste Not Want Not' (WNWN) delivered in March 2017 to encourage and skill Redlands Coast residents to reduce food waste. The program enabled extensive reach on a small budget and delivered a 41 per cent increase in the proportion of respondents reporting throwing away hardly any fruit and vegetables
<ul style="list-style-type: none"> • Doubling the take-up of kerbside green bins from 8,045 to over 17,000 during the past five years
<ul style="list-style-type: none"> • Informative <i>A-Z Household Waste & Recycling Guide</i> for households distributed in rates notice
<ul style="list-style-type: none"> • Successful implementation and awareness of the Queensland Government's Waste Disposal Levy and Container Refund Scheme
<ul style="list-style-type: none"> • Commenced collection drive of e-waste on NSI and SMBI
<ul style="list-style-type: none"> • Entered a contract with STAR Community Services for collection of household bulky items for eligible customers across the mainland and islands
<ul style="list-style-type: none"> • Site upgrades at Birkdale Recycling and Waste Centre including new internal haul road, hardstand and a traffic bypass lane to enable safer and more efficient green waste disposal for residents
<ul style="list-style-type: none"> • Launched a new waste design strategy to achieve cut-through in communications, including the recycling 'bad-boys' contamination campaign
<ul style="list-style-type: none"> • Delivered a revamped recycling station at IndigiScapes to collect hard to recycle items from waste streams such as thongs, beauty products, CD's / DVD's and old mobile phones
<ul style="list-style-type: none"> • Increased presence at community events which assisted in the education of waste avoidance and reduction with a particular focus on plastic waste reduction
<ul style="list-style-type: none"> • Continued to refresh information on website pages to inform community on correct use of Council waste and recycling services, including the production of a new kerbside recycling and green waste video

Have your say

This Draft *Waste Reduction and Recycling Plan 2021-2025* lays the foundation for a 30-year strategy out to 2050 to minimise waste to landfill and align with Queensland's waste direction. The draft Plan's immediate focus is driving individual and household behaviour change to reduce the amount of waste generated, loss of resources and waste sent to landfill.

We are aiming for **90 per cent of our community to be recycling 90 per cent of their waste, 90 per cent of the time.**

Collective action reaps bigger rewards for all the community. While it is important for the community to understand what Council requires of residents, it is equally important to ensure Council fully understands the needs of our community as we head towards a sustainable future.

We encourage you to **have your say** on this draft Plan by visiting www.yoursay.redland.qld.gov.au



Figure 16: The five types of recyclable materials accepted in the kerbside recycling bin.

Draft Waste Reduction and Recycling Plan 2021-2025

A Snapshot

Redland City Council's draft *Waste Reduction and Recycling Plan 2021-2025* (the Plan) outlines a clear path forward on how the Redlands Coast community can collectively achieve waste reduction and recycling targets set by the Queensland Government.

This Plan outlines how Council and the Redlands Coast community will work collaboratively to improve the use of the existing kerbside waste, recycling and green waste services. Council is committed to the following goals:

- ❖ double the number of households with a green waste bin for garden organics
- ❖ halve the amount of recyclable material being placed into general waste bins
- ❖ reduce contamination (non-recyclable materials) in the yellow-lid recycling
- ❖ ensure everyone knows the importance of using the right bin.

Council is resetting the focus over the next four years to reinforce the importance of separating waste and recyclable materials at home by using the right bin, and getting a green waste bin.

Our aim is for 90 per cent of our community to be correctly recycling 90 per cent of their waste, 90 per cent of the time. This is what it will take to reach Queensland's recycling target of 70% by 2050.

We are seeking feedback on this focus and how we can re-energise the community to achieve these four goals.

Currently, each Redlands Coast resident generates almost 700 kilograms of waste and recycling each year. That means we generate more per capita than the south-east Queensland average of 540 kilograms.

Almost half of all Redlands Coast waste is now being recycled. We can do better by helping residents to 'recycle right' by providing clear, easy-to-understand information around what can and can't be recycled in the household yellow-lid bin. Also garden organics should not be placed in the waste bin as it does not get recycled from there.

This draft Plan is the first part of a broader 30-year plan to minimise waste to landfill and align with Queensland's waste reduction ambitions. The Queensland Government introduced a waste levy in July 2019 which significantly increased the cost of waste disposal. While the cost has not been passed on to Redlands Coast residents, this could change in future and would make waste disposal much more expensive than recycling.

Council and the community can work together to 'recycle right'. Collective action reaps bigger rewards for all the community. By taking the time to segregate recyclables from waste, and recycle every item you can through the kerbside recycling system, you reduce the environmental, social and economic impacts of waste to landfill.

What goes into our kerbside bins?



Waste

Approximately 64 percent of waste in our red-lid bins could be kept out of landfill. More than 10,000 tonnes of garden organics go into waste bins and is sent to landfill each year.

In addition to garden organics going into waste bins, a further 6,000 tonnes of recyclable material is incorrectly dumped in general waste bins each year.

The focus for Council will be on getting green waste and recyclables out of the general waste stream during the next four years. The easiest step for householders to reduce garden organics being landfilled is to get a green waste bin.

Recycling

Putting the wrong items in the yellow-lid recycle bin leads to recycling contamination. More than one tenth of what's in our kerbside recycling bins shouldn't be there. This equates to almost 1,300 tonnes of non-recyclable waste going in the wrong bins.

Recycling contamination occurs when the wrong material goes into the yellow-lid recycling bin. Soft plastic wrapping, plastic bags, nappies, ceramic cups, food scraps and green waste must not go into the recycling bin.

This form of contamination increases the cost of sorting residential waste. Better segregation of recyclables and waste in the kitchen and other parts of the home can improve the quality and quantity of recyclables placed in recycling bins.

Have your say

While it is important for the community to understand what Council requires of residents, it is equally important to ensure Council hears views from the community about how to better use the kerbside waste, recycling and green waste services.

We encourage you to **have your say** by visiting www.yoursay.redland.qld.gov.au

Our Actions

Community education and engagement	Waste avoidance and diversion	Recovery of resources	Planning for the future
Educate the community about recycling contamination, how to recycle right and the importance of getting a green waste bin	Provide incentive schemes to increase use of sustainable items	Accelerate growth of voluntary green waste bins	Collaborate with other Councils to assess opportunities for shared resource recovery and infrastructure programs
Inform the community on recycling targets through bin audits and other data	Provide incentive schemes for the use of home composting and food waste diversion	Monitoring and enforcement of correct bin use to reduce contamination	Review of Waste Asset and Service Management Plan and capital works for demand management and upgrades
Continue education and awareness programs through schools, events and online resources	Continue membership and participation in Garage Sale Trail	Expand community touch points for recover of difficult waste types including recycling stations in libraries	Support and promote circular economy principles in planning , infrastructure development and projects
Introduce a Reward and Recognition program for outstanding work in the community	Trial membership in Grow It Local	Practice improved sustainable procurement by including criteria to support suppliers whose outcomes contribute to a circular economy	Identify areas across planning codes and waste management plans to strengthen and provide consistency to waste and recycling infrastructure provisions
Implement a zero-waste behaviour change program within Council	Evaluate ASPIRE online business tool to determine effectiveness	Trial small scale return of composted organics back to residents.	Facilitate an Island symposium to discuss ways to develop green waste use on the islands.
Introduce Waste Management Local Law to support correct kerbside bin use.	Trail and evaluate a community-led food waste composting scheme on Karragarra Island		
	Ensure infrastructure at Recycling and Waste Centres is sufficient to maximise diversion.		

5 CONFIDENTIAL ITEMS

COUNCIL MOTION

That Council considers the confidential report(s) listed below in a meeting closed to the public in accordance with Section 254J of the *Local Government Regulation 2012*:

5.1 Endorsement of Council of Mayors' Draft SEQ Waste Management Plan

This matter is considered to be confidential under Section 254J(3)(g) of the *Local Government Regulation 2012*, and the Council is satisfied that discussion of this matter in an open meeting would, on balance, be contrary to the public interest as it deals with negotiations relating to a commercial matter involving the local government for which a public discussion would be likely to prejudice the interests of the local government.

Overview

To endorse in principle the draft SEQ Waste Management Plan.

6 MEETING CLOSURE