

## **Three Waters Infrastructure and Environment Committee AGENDA**

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### **Notice of Meeting:**

An ordinary meeting of the Three Waters Infrastructure and Environment Committee will be held on:

**Date:** **Wednesday 9 February 2022**  
**Time:** **9.30am**  
**Venue:** **Council Chambers, Civic Offices,  
53 Hereford Street, Christchurch**

Under the current provisions of the Covid-19 Protection Framework (the traffic light system) people holding a current vaccine pass may attend the meeting in person. The meeting will be broadcast live <https://councillive.ccc.govt.nz/live-stream>

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### **Membership**

Chairperson	Councillor Pauline Cotter
Deputy Chairperson	Councillor Phil Mauger
Members	Mayor Lianne Dalziel
	Deputy Mayor Andrew Turner
	Councillor Jimmy Chen
	Councillor Catherine Chu
	Councillor Melanie Coker
	Councillor Mike Davidson
	Councillor Celeste Donovan
	Councillor Anne Galloway
	Councillor James Gough
	Councillor Yani Johanson
	Councillor Aaron Keown
	Councillor Sam MacDonald
	Councillor Jake McLellan
	Councillor Tim Scandrett
	Councillor Sara Templeton

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**4 February 2022**

### **Principal Advisor**

Jane Davis  
General Manager Infrastructure,  
Planning & Regulatory Services  
Tel: 941 8884

Andrew Campbell  
Committee & Hearings Advisor  
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Note: The reports contained within this agenda are for consideration and should not be construed as Council policy unless and until adopted. If you require further information relating to any reports, please contact the person named on the report.

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## Developing Resilience in the 21st Century

Strategic Framework



Whiria ngā whenu o ngā papa,  
honoa ki te maurua tāuiki

Bind together the strands of each mat and join  
together with the seams of respect and reciprocity

### Ōtautahi-Christchurch is a city of opportunity for all

Open to new ideas, new people and new ways of doing things – a city where anything is possible

#### Principles

Being open,  
transparent and  
democratically  
accountable

Promoting  
equity, valuing  
diversity and  
fostering inclusion

Taking an inter-generational approach  
to sustainable development,  
prioritising the social, economic  
and cultural wellbeing of  
people and communities  
and the quality of the  
environment, now  
and into the  
future

Building on the  
relationship with  
Te Rūnanga o Ngāi Tahu  
and the Te Hononga-Council  
Papatipu Rūnanga partnership,  
reflecting mutual understanding  
and respect

Actively collaborating and  
co-operating with other  
local, regional  
and national  
organisations

Ensuring  
the diversity  
and interests of  
our communities  
across the city and the  
district are reflected in  
decision-making

#### Community Outcomes

##### Resilient communities

Strong sense of community  
Active participation in civic life  
Safe and healthy communities  
Celebration of our identity  
through arts, culture, heritage,  
sport and recreation  
Valuing the voices of all cultures  
and ages (including children)

##### Liveable city

Vibrant and thriving city centre  
Sustainable suburban and  
rural centres  
A well connected and accessible  
city promoting active and  
public transport  
Sufficient supply of, and  
access to, a range of housing  
21st century garden city  
we are proud to live in

##### Healthy environment

Healthy water bodies  
High quality drinking water  
Unique landscapes and  
indigenous biodiversity are  
valued and stewardship  
exercised  
Sustainable use of resources  
and minimising waste

##### Prosperous economy

Great place for people, business  
and investment  
An inclusive, equitable economy  
with broad-based prosperity  
for all  
A productive, adaptive and  
resilient economic base  
Modern and robust city  
infrastructure and community  
facilities

#### Strategic Priorities

Enabling active  
and connected  
communities  
to own their future

Meeting the challenge  
of climate change  
through every means  
available

Ensuring a high quality  
drinking water supply  
that is safe and  
sustainable

Accelerating the  
momentum  
the city needs

Ensuring rates are  
affordable and  
sustainable

#### Ensuring we get core business done while delivering on our Strategic Priorities and achieving our Community Outcomes

Engagement with  
the community and  
partners

Strategies, Plans and  
Partnerships

Long Term Plan  
and Annual Plan

Our service delivery  
approach

Monitoring and  
reporting on our  
progress

**THREE WATERS INFRASTRUCTURE AND ENVIRONMENT COMMITTEE OF THE WHOLE - TERMS OF REFERENCE NGĀ ĀRAHINA MAHINGA**

<b>Chair</b>	Councillor Cotter
<b>Deputy Chair</b>	Councillor Mauger
<b>Membership</b>	The Mayor and All Councillors
<b>Quorum</b>	Half of the members if the number of members (including vacancies) is even, or a majority of members if the number of members (including vacancies) is odd.
<b>Meeting Cycle</b>	Monthly
<b>Reports To</b>	Council

**Delegations**

The Council delegates to the Three Waters Infrastructure and Environment Committee authority to monitor and make decisions on:

- Water supply, conservation and quality (*for the avoidance of doubt the Council retains its authority on matters relating to the Governments Water Reform*).
- Receive regular updates from the Water Management Zone Committees.
- Stormwater drainage including the Land Drainage Recovery Programme.
- Natural environment, including the waterways, aquifers, ecology and conservation of resources.
- Natural hazards protection, including flood protection and river control.
- Solid waste collection, processing and disposal including landfills.
- Sewage collection, treatment and disposal.
- Applications to the Biodiversity Fund.

**Bylaws**

The Council delegates to the Committee authority to:

- Oversee the development of new bylaws within the Committee's terms of reference, up to and including adopting draft bylaws for consultation.
- Oversee the review of the following bylaws, up to and including adopting draft bylaws for consultation.
  - Trade Waste Bylaw 2015
  - Waste Management Bylaw 2009
  - Water Supply, Wastewater and Stormwater Bylaw 2014

**Submissions**

- The Council delegates to the Committee authority:
- To consider and approve draft submissions on behalf of the Council on topics within its terms of reference. Where the timing of a consultation does not allow for consideration of a draft submission by the Council or relevant Committee, that the draft submission can be considered and approved on behalf of the Council.



***Limitations***

- This Committee does not have the authority to set project budgets, identify preferred suppliers or award contracts. These powers remain with the Finance and Performance Committee.
- The general delegations to this Committee exclude any specific decision-making powers that are delegated to a Community Board, another Committee of Council or Joint Committee. Delegations to staff are set out in the delegations register.
- The Council retains the authority to adopt policies, strategies and bylaws.
- The Council retains its authority on matters relating to the Government's Water Reform.
- The following matters are prohibited from being subdelegated in accordance with LGA 2002 Schedule 7 Clause 32(1) :
  - the power to make a rate; or
  - the power to make a bylaw; or
  - the power to borrow money, or purchase or dispose of assets, other than in accordance with the long-term plan; or
  - the power to adopt a long-term plan, annual plan, or annual report; or
  - the power to appoint a chief executive; or
  - the power to adopt policies required to be adopted and consulted on under this Act in association with the long-term plan or developed for the purpose of the local governance statement; or
  - the power to adopt a remuneration and employment policy.

***Chairperson may refer urgent matters to the Council***

As may be necessary from time to time, the Committee Chairperson is authorised to refer urgent matters to the Council for decision, where this Committee would ordinarily have considered the matter. In order to exercise this authority:

- The Committee Advisor must inform the Chairperson in writing the reasons why the referral is necessary.
- The Chairperson must then respond to the Committee Advisor in writing with their decision.
- If the Chairperson agrees to refer the report to the Council, the Council may then assume decision-making authority for that specific report.

Part A	Matters Requiring a Council Decision
Part B	Reports for Information
Part C	Decisions Under Delegation

## TABLE OF CONTENTS

Karakia Tīmatanga .....	7
C 1. Apologies Ngā Whakapāha .....	7
B 2. Declarations of Interest Ngā Whakapuaki Aronga .....	7
C 3. Confirmation of Previous Minutes Te Whakaāe o te hui o mua .....	7
B 4. Public Forum Te Huinga Whānui .....	7
B 5. Deputations by Appointment Ngā Huinga Whakaritenga.....	7
B 6. Presentation of Petitions Ngā Pākikitanga .....	7
MINUTES REPORTS	
B 7. Selwyn Waihora Zone Committee Minutes .....	15
STAFF REPORTS	
B 8. Three Waters Infrastructure and Environment Committee - Resource Recovery - November/December 2021.....	31
Karakia Whakamutunga	

## Karakia Tīmatanga

### 1. Apologies Ngā Whakapāha

An apology was received from Councillor Templeton.

### 2. Declarations of Interest Ngā Whakapuaki Aronga

Members are reminded of the need to be vigilant and to stand aside from decision making when a conflict arises between their role as an elected representative and any private or other external interest they might have.

### 3. Confirmation of Previous Minutes Te Whakaāe o te hui o mua

That the minutes of the Three Waters Infrastructure and Environment Committee meeting held on [Wednesday, 8 December 2021](#) be confirmed (refer page 8).

### 4. Public Forum Te Huinga Whānui

A period of up to 30 minutes will be available for people to speak for up to five minutes on any issue that is not the subject of a separate hearings process.

There were no public forum requests received at the time the agenda was prepared

### 5. Deputations by Appointment Ngā Huinga Whakaritenga

Deputations may be heard on a matter or matters covered by a report on this agenda and approved by the Chairperson.

There were no deputations by appointment at the time the agenda was prepared.

### 6. Presentation of Petitions Ngā Pākikitanga

There were no petitions received at the time the agenda was prepared.

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## Three Waters Infrastructure and Environment Committee OPEN MINUTES

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**Date:** Wednesday 8 December 2021  
**Time:** 2pm  
**Venue:** Council Chambers, Level 2, Civic Offices, 53 Hereford Street Christchurch

**Present**

Chairperson	Councillor Pauline Cotter
Deputy Chairperson	Councillor Phil Mauger
Members	Mayor Lianne Dalziel
	Deputy Mayor Andrew Turner
	Councillor Jimmy Chen
	Councillor Catherine Chu - via audio/visual link
	Councillor Melanie Coker
	Councillor Mike Davidson
	Councillor Celeste Donovan
	Councillor Anne Galloway
	Councillor Yani Johanson
	Councillor Aaron Keown
	Councillor Sam MacDonald
	Councillor Jake McLellan
	Councillor Tim Scandrett
	Councillor Sara Templeton

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**Principal Advisor**

Jane Davis  
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**Part A Matters Requiring a Council Decision**

**Part B Reports for Information**

**Part C Decisions Under Delegation**

**Karakia Tīmatanga:** Given by Councillor Davidson.

The agenda was dealt with in the following order.

**1. Apologies Ngā Whakapāha**

**Part C**

**Committee Resolved TWIA/2021/00024**

That the apology received from James Gough for absence be accepted.

Councillor MacDonald/Councillor Coker

**Carried**

**2. Declarations of Interest Ngā Whakapuaki Aronga**

**Part B**

There were no declarations of interest recorded.

**3. Confirmation of Previous Minutes Te Whakaāe o te hui o mua**

**Part C**

**Committee Resolved TWIA/2021/00025**

That the minutes of the Three Waters Infrastructure and Environment Committee meeting held on Wednesday, 10 November 2021 be confirmed.

Councillor Scandrett/Councillor Mauger

**Carried**

**4. Public Forum Te Huinga Whānui**

**Part B**

**4.1 John Christie – Fluoridisation**

John Christie spoke to the Committee on the health implications of fluoridating Christchurch's drinking water. A copy of his presentation and the supporting information provided to the Committee is attached.

**Attachments**

- A Presentation by John Christie
- B Newspaper Article
- C Supplementary Information

Councillors Keown and Templeton joined the meeting at 2.04pm during Item 4.

## **5. Deputations by Appointment Ngā Huinga Whakaritenga**

### **Part B**

There were no deputations by appointment.

## **6. Presentation of Petitions Ngā Pākikitanga**

### **Part B**

There was no presentation of petitions.

## **7. Waimakariri Zone Committee Minutes - 2 August 2021**

### **Committee Resolved TWIA/2021/00026**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Waimakariri Zone Committee meeting held 2 August 2021.

Councillor Cotter/Councillor Keown

Carried

## **8. Banks Peninsula Water Management Zone Committee Minutes - 21 September 2021**

### **Committee Resolved TWIA/2021/00027**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Banks Peninsula Water Management Zone Committee meeting held 21 September 2021.

Councillor Cotter/Councillor Keown

Carried

## **9. Banks Peninsula Water Management Zone Committee Minutes - 16 November 2021**

### **Committee Resolved TWIA/2021/00028**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Banks Peninsula Water Management Zone Committee meeting held 16 November 2021.

Councillor Cotter/Councillor Keown

Carried

## **10. Christchurch West Melton Water Management Zone Committee Minutes - 28 October 2021**

### **Committee Resolved TWIA/2021/00029**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Christchurch West Melton Water Management Zone Committee meeting held 28 October 2021.

Councillor Cotter/Councillor Keown

Carried



## 11. Christchurch West Melton Water Management Zone Committee Minutes - 25 November 2021

### Committee Resolved TWIA/2021/00030

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Christchurch West Melton Water Management Zone Committee meeting held 25 November 2021.

Councillor Cotter/Councillor Keown

Carried

## 12. Tri-annual Zone Committee Update Report - November 2021

### Committee Comment

1. The Committee requested that the Council write to Environment Canterbury encouraging them to continually update the data and the Groundwater Modelling.
2. The Committee noted that Kevin Brown was stepping down from his role as Chair of the Christchurch West Melton Management Zone Committee and wanted to acknowledge the very significant contribution that Kevin has made over the years.

### Officer Recommendations / Ngā Tūtohu

That the Three Waters Infrastructure and Environment Committee:

1. Receives the information in the Tri-annual Zone Committees Update report.
2. Notes and discusses the work of each Water Management Zone Committee.

### Committee Resolved TWIA/2021/00031

### Part C

That the Three Waters Infrastructure and Environment Committee:

1. Receives the information in the Tri-annual Zone Committees Update report.
2. Notes and discusses the work of each Water Management Zone Committee.
3. Recognize Kevin Brown's contribution to the Christchurch-West Melton Zone Committee.

Councillor Cotter/Councillor Templeton

Carried

## 13. Draft submission on Ministry for the Environment's Draft Waste Strategy

### Committee Comment

1. Staff are to highlight, in the introduction, the need for greater regulation, control and enforcement of waste activities and the potential harm to communities.

**Committee Resolved TWIA/2021/00032 Officer Recommendation accepted without change.**

**Part C**

That the Three Waters Infrastructure and Environment Committee:

1. Approve the draft submission to the Ministry for the Environment on their *Taking responsibility for our waste* consultation (**Attachment A**)

Councillor Cotter/Councillor Templeton

**Carried**

**14. Draft submission on Economic Regulation and Consumer Protection For Three Waters**

**Committee Resolved TWIA/2021/00033 Officer Recommendation accepted without change.**

**Part C**

That the Three Waters Infrastructure and Environment Committee:

1. Delegate approval of the Council's submission on *Economic Regulation and Consumer Protection For Three Waters* to the Mayor, Councillor MacDonald, Councillor Cotter to enable the submission to be finalised and submitted by Monday 20 December 2021 and reported back to Council.

Councillor Templeton/Councillor Galloway

**Carried**

**15. Wastewater Implementation Plan**

**Committee Comment**

1. Staff spoke to their presentation (attached.)

**Committee Resolved TWIA/2021/00034 Officer Recommendation accepted without change.**

**Part C**

That the Three Waters Infrastructure and Environment Committee:

1. Receive the Wastewater Implementation Plan as one of the implementation plans for *Te Wai Ora o Tāne Integrated Water Strategy*.

Councillor Mauger/Councillor Templeton

**Carried**

**Attachments**

- A Staff Presentation on the Wastewater Implementation Plan

Councillor Mauger left the meeting at 3.27pm and returned at 3.38pm during Item 16. Deputy Mayor Turner left the meeting at 3.45pm during Item 16 did not return.

## 16. Three Waters Bimonthly Report September - October 2021

### Committee Comment

1. An update on the smart meters work programme(attached) was provided by staff.
2. Staff provided an update on the repair of the waste water treatment plant following the recent fire (attached). Staff to prepare a memo on the location of odour complaints.
3. Staff to circulate a memo and circulate it to Committee members on stormwater discharge and resource consenting.

**Committee Resolved TWIA/2021/00035 Officer Recommendation accepted without change.**

### Part C

That the Three Waters Infrastructure and Environment Committee:

1. Receive the information in the Three Waters Bimonthly Report September – October 2021.

Councillor MacDonald/Councillor Keown

**Carried**

### Attachments

- A Staff Presentation on Smart Water Meters
- B Staff Update on the Waste Water Treatment Plant

**Karakia Whakamutunga:** Given by Councillor Davidson.

**Meeting concluded at 3.55pm.**

**CONFIRMED THIS 9th DAY OF February 2021**

**COUNCILLOR PAULINE COTTER  
CHAIRPERSON**



## 7. Selwyn Waihora Zone Committee Minutes

Reference Te Tohutoro: 21/1759568

Report of Te Pou Matua: Liz Ryley, Committee & Hearings Advisor – [liz.ryley@ccc.govt.nz](mailto:liz.ryley@ccc.govt.nz)

General Manager

Pouwhakarae: Lynn McClelland, Assistant CE Strategic Policy & Performance

### 1. Purpose of Report Te Pūtake Pūrongo

The Selwyn Waihora Zone Committee held meetings on 3 November 2020, 1 December 2020, and 6 April 2021 and is circulating the Minutes recorded to the Council for its information.

### 2. Recommendation to Three Waters Infrastructure and Environment Committee

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Selwyn Waihora Zone Committee meetings held on 3 November 2020, 1 December 2020 and 6 April 2021.

### Attachments Ngā Tāpirihanga

No.	Title	Page
A  	Minutes Selwyn Waihora Zone Committee - 3 November 2020	16
B  	Minutes Selwyn Waihora Zone Committee - 1 December 2020	19
C  	Minutes Selwyn Waihora Zone Committee - 6 April 2021	25

### Signatories Ngā Kaiwaitohu

Author	Liz Ryley - Committee and Hearings Advisor
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**MINUTES OF THE 103<sup>RD</sup> MEETING OF THE SELWYN WAIHORA ZONE COMMITTEE  
HELD IN THE LINCOLN EVENT CENTRE ON TUESDAY 3 NOVEMBER 2020  
COMMENCING AT 1.00PM**

**AGENDA SUMMARY**

Item	Time	Description	Presenter
	1.00pm	Meeting commences with karakia and formal order of business: <ul style="list-style-type: none"> <li>• Apologies</li> <li>• Identification of Urgent General Business</li> <li>• Confirmation of minutes 6 October 2020</li> <li>• Correspondence</li> </ul>	
1.	1.15pm	<i>For discussion and engagement</i> – A series of short presentations to showcase and celebrate riparian protection and enhancement projects along the Waikirikiri/Selwyn River. Hear from the zone committee, Te Ara Kākāriki, Enviroschools, Fish and Game, Water and Wildlife Habitat Trust, Selwyn District Council, Environment Canterbury, Central Plains Water, Synlait, and more	
	2.30pm	Break	
2.	2.50pm	<i>For discussion and engagement:</i> Riparian Protection and Enhancement Workshop	Miria Goodwin, Environment Canterbury
3.	3.50pm	Wrap-up and close	Zone Committee co-chairs
	4.00pm	<b>Approximate finish time</b>	

**PRESENT**

Les Wanhalla (Te Rūnanga o Taumutu / Co-Chair); Annie McLaren (Community Member); Allen Lim (Community Member); Fiona McDonald (Community Member / Co-Chair); Councillor Nicole Reid (Selwyn District Council); Councillor Vicky Southworth (Environment Canterbury Regional Council); Ron Pellow (Community Member); Mishele Radford (Te Hapū o Ngāti Wheke)

**IN ATTENDANCE**

Miria Goodwin, Tami Woods, Dr T Davie, Andrew Livingston, Stephen Bragg, Matthew Stanford, Sylvia McAslan (Environment Canterbury Regional Council); Councillor Murray Lemon, Shay Robinson, Andy Spanton and Therese Davel (Selwyn District Council); John Benn (Department of Conservation); , Letitia Lum (Te Ara Kākāriki), Emily Arthur-Moore (Fish and Game), Mike Patchett (Water and Wildlife Habitat Trust), Nick Vernon (Synlait)



Stephen Bragg opened the meeting with karakia.

## APOLOGIES

Councillor Anne Galloway (Christchurch City Council), Dr Benita Wakefield (Te Rūnanga o Wairewa) and Simon Hay (Community Member),

**Moved** – Fiona McDonald / **Seconded** – Councillor Nicole Reid

*‘That the Selwyn Waihora Zone Committee receives the apologies for information.’*

**CARRIED**

## IDENTIFICATION OF URGENT GENERAL BUSINESS

None

## CONFIRMATION OF MINUTES

**Minutes of the 102<sup>nd</sup> Meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 6 October 2020**

**Moved** – Annie McLaren / **Seconded** – Les Wanhalla

*‘That the minutes of the 102<sup>nd</sup> meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 6 October 2020, be confirmed as circulated.’*

**CARRIED**

## CORRESPONDENCE

None.

## General Opening Remarks

Ron Pellow set the scene for the day’s presentations and workshop. The main purpose of the day is to talk about riparian protection and enhancement projects on the Waikirikiri River. Ron described the work of the 12 month Waikirikiri Working Group (led by the Zone committee) that aimed to present a roadmap to achieve a healthy Waikirikiri River. The roadmap identified several different areas to focus on, and one of those is riparian and river bed management. Ron said that today is a chance to celebrate some of the many projects underway, and then find out how everyone in the room can support each other in that important work. Ron briefly described other work underway in the catchment.

## REPORTS

### 1. *For discussion and engagement -*

A series of short presentations to showcase and celebrate riparian protection and enhancement projects along the Waikirikiri/Selwyn River.

Stephen Bragg provided historical context about the connection that Te Taumutu Rūnanga has with the Waikirikiri River.

The Committee also heard from Enviroschools, Fish & Game, the Water and Wildlife Habitat Trust, the Zone committee's Immediate Steps biodiversity subcommittee, Selwyn District Council, Environment Canterbury and Synlait. All presentations apart from that of Fish & Game, are included in the minutes. If the reader requires information on the Fish & Game presentation please contact Emily Moore directly.

### 2. *For discussion and engagement -*

Riparian Protection and Enhancement Workshop

The workshop notes have been circulated separately but are attached here for the record.

## GENERAL BUSINESS

Stephen Bragg ended the meeting with karakia.

DATED this Tuesday 5 day of May,

2020

  
CO-CHAIR LES WANHALLA

  
CO-CHAIR FIONA MCDONALD

**MINUTES OF THE 104<sup>TH</sup> MEETING OF THE SELWYN WAIHORA ZONE COMMITTEE  
HELD IN THE LINCOLN EVENT CENTRE ON TUESDAY 1 DECEMBER 2020  
COMMENCING AT 1.30PM**

**AGENDA SUMMARY**

Item	Time	Description	Pages	Presenter
	1.30pm	Meeting commences with karakia and formal order of business: <ul style="list-style-type: none"> <li>• Apologies</li> <li>• Identification of Urgent General Business</li> <li>• Confirmation of minutes 3 November 2020</li> <li>• Correspondence</li> </ul>		
	1.45pm	Public Contribution		
1.	1.50pm	<i>For engagement</i> – Boat Creek Project		Hamish Jones & Mike Patchett
2.	2.20pm	<i>For discussion</i> – Council Long Term Plans		Selwyn District Council Christchurch City Council Environment Canterbury
3.	3.00pm	<i>For discussion</i> – Facilitators Report		Miria Goodwin – Environment Canterbury
	3.20pm	Zone Committee Action list, meeting Wrap-up and close		Co-chair Fiona McDonald
		Afternoon tea break		
	3.45pm – 4.45pm	Committee-only session		
	4.45pm	<b>Approximate finish time</b>		

**PRESENT**

Dr Benita Wakefield (Te Rūnanga o Wairewa); Annie McLaren (Community Member); Fiona McDonald (Community Member / Co-Chair); Councillor Nicole Reid (Selwyn District Council); Councillor Anne Galloway (Christchurch City Council); Councillor Vicky Southworth (Environment Canterbury Regional Council); Ron Pellow (Community Member), Allen Lim (Community Member)

**IN ATTENDANCE**

Miria Goodwin, Tami Woods, Dr T Davie, Andrew Livingston, Stephen Bragg, Sylvia McAslan (Environment Canterbury Regional Council); Councillor Murray Lemon, Andy

Spanton and Therese Davel (Selwyn District Council); John Benn (Department of Conservation); Mike Patchett (Water and Wildlife Habitat Trust); Hamish Jones (Boat Creek Project); Melissa Robson-Williams (Manaaki Whenua); and Xiaoyu Sun and Hayden Zervos (Lincoln University), Pat McEvedy (a former Zone Committee Chair)

Stephen Bragg opened the meeting with karakia.

The meeting started off by thanking outgoing members Ron Pellow and Allen Lim for their time and commitment on the Committee.

Comments made around the room include:

Fiona McDonald thanked Ron and Allen for sharing their knowledge and patience. Fiona said that going forward, the committee will miss their wisdom, contribution, passion and energy that they have put into this Committee.

Pat McEvedy said that both Ron and Allen were highly respected in their own fields and thanked them for their time. Tami Woods said when she started as planning advisor it was clear from early on that Ron was able to help understand the efforts of industry groups. Allen continued to try and explain what was going on at a very practical level and also helped in her understanding. Miria Goodwin reiterated this sentiment, noting they both helped ECan and the zone committee to understand some very technical issues.

Dr Tim Davie noted that it was clear they both worked with the whole of the committee and were really organised, showing leadership.

Councillor Southworth said she hoped to see them at some of the Zone Committee events being planned for the next year.

Paul Hodgson said that while his views might not have changed over the years, his understanding of what sits behind the work has, and it was clear that the sense of leadership shown by Allen and Ron had moved the Zone Committee forward with some credibility. He said he had confidence that the committee was doing the right things.

Dr Wakefield said she was aware of the tremendous amount of work they have all put into the relationship over the years. She said that Allen had a way of mediating a really good process and that Ron's wisdom will stay with her, noting he was measured in what he said.

Stephen Bragg said that he wished to thanked Ron and Allen, especially on behalf of those who are no longer with us. He said his life had been enriched by coming to work at ECan and work with the zone committee.

Ron Pellow then spoke saying it had been an honour to serve with the Zone Committee. He showed a photo taken in a community in Africa, depicting their joy at getting fresh water. He said that was the essence of why he joined, in that fresh water was so fundamental to everyone's lives and it was easy to take it for granted. Ron said the Committee has come a long way but that there wa a long way still to go.

Allen Lim then spoke and said he wanted to thank Pat McEvedy for his support and encouragement especially when he first became chair. Allen said it wasn't something that

would have thought of doing necessarily but that he had met a great many people throughout the process. He said in the seven years some of the meetings were fairly intense. He said he used to look forward to coming to the meetings all the time and one of his philosophies was to step back at a point to allow for new talent to come through. He said he would miss the Committee and that he still had unfinished ideas.

Fiona McDonald also thanked Miria Goodwin (Zone facilitator) and Therese Davel (Committee Secretary) for their hard work through the year.

#### **APOLOGIES**

Allen Lim (Community member, *for the formal part of the meeting*), Les Wanhalla (Te Rūnanga o Taumutu / Co-Chair); Simon Hay (Community member) and Mishele Radford (Te Hapū o Ngāti Wheke)

**Moved** – Paul Hodgson / **Seconded** – Councillor Vicky Southworth

*‘That the Selwyn Waihora Zone Committee receives the apologies for information.’*

**CARRIED**

#### **IDENTIFICATION OF URGENT GENERAL BUSINESS**

None

#### **CONFIRMATION OF MINUTES**

**Minutes of the 103<sup>rd</sup> Meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 3 November 2020**

**Moved** – Annie McLaren / **Seconded** – Ron Pellow

*‘That the minutes of the 103<sup>rd</sup> meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 3 November 2020, be confirmed as circulated.’*

**CARRIED**

#### **CORRESPONDENCE**

None.

## PUBLIC CONTRIBUTION

None.

## REPORTS

### 1. For engagement – Boat Creek Project

Hamish Jones and Mike Patchett presented on the Boat Creek Project. Hamish said he was part of a small resident community group on the North side of the Rakaia where the project is based. He said while there is very clear and clean water they want to continue to do what they can to further enhance the quality of the water. He said it was also a spawning area for eels, both long and short fin, also for white bait, trout and salmon. Hamish said there had been a couple of challenges regarding what plants to put in there as it's become overgrown with poplars and willows. The community would like to see this improve and also see the creation of a recreational track in the area.

Hamish said they have a vision and plan for two stages – the first being planting in the old camping ground, very much community led with lots of volunteer input. Stage two is being worked on with Mike Pratchett of the Water and Wildlife Habitat Trust. Hamish said they needed to be very conscious of how the soil was disturbed as much of the area is covered by wahi tapu, and they are working with Te Taumutu rūnanga on this

Mike Patchett said it was a very precious area on public / DOC land and was a good investment. There had been a number of plants that have died although some died due to drought and sudden and unexpected frosts. Funding comes from a variety of organisations and people and donated equipment and material. The water and wildlife trust will administer the money received from the Rakaia Catchment Environmental Enhancement Fund for the community.

Some of the benefits of the project include:

- Improved water quality
- Coastal native area
- Foreshore protection & Flood prevention
- Cultural preservation
- Visual enhancement
- Increased fishing opportunities
- Recreational walking
- Environmental, cultural and historical education

**Moved** - Paul Hodgson / **Seconded** – Councillor Vicky Southworth

*'That the Selwyn Waihora Zone Committee support Boat Creek as a priority area.'*

**CARRIED**



## 2. For discussion – Council Long Term Plans

Councillor Galloway said there was no change since the last time she presented. She added there was a Christchurch City Council report on the CCC priorities that she will share with the committee.

Councillor Reid said that Selwyn District Council was not as far advanced with their priorities yet due to the focus on 3 Waters recently. There will be opportunity early 2021 to share Selwyn District Council's priorities with ECan and the committee.

## 3. For discussion – Facilitators Report

The Facilitator's report was briefly discussed with some discussion on whether the zone committee would like to seek a youth member to be part of the Committee. Zone committee members wondered whether the final new Terms of Reference could include two youth reps. Members were in agreement that any youth member needs careful mentoring and support. Dr Wakefield suggested that there be a pathway developed with and for any youth member and touched on ECan's internship.

The Committee agreed to discuss this further in February.

The Facilitator noted that the Committee will not meet in January, with the February meeting a joint one with two other zone committees i.e. Christchurch West Melton and Banks Peninsula. In February it is also envisaged the Committee will have a committee planning session.

*Councillor Anne Galloway left at 3.27pm.*

Councillor Southworth asked whether Swimmable Selwyn should remain part of the committee's annual report. ECan staff will look into that possibility and report back to the Committee.

## 4. Zone Committee Action list, meeting Wrap-up and close

Fiona McDonald wished everyone a good end-of-year break and closed the meeting at 5.17pm.

A workshop followed the meeting, focused on the Waikirikiri, where the committee noted that:

1. The Zone Committee see their role in the Waikirikiri as:
  - a. 'Facilitating' other groups to do good work along the Waikirikiri – to help reach the goal of 'A Healthy Waikirikiri'
  - b. Hosting community engagement on all the work/progress/what is happening
  - c. Bringing groups together – sharing and learning, including best practice updates - planting, sourcing funding etc
2. The Zone Committee would fully support a 'Swimmable Selwyn at Coes Ford catchment working group/governance group' being set up, and will leave it to the existing group to work out what that group looks like/who is on it. Zone Committee Support could be:
  - i. A Zone Committee member joining that future working group
  - ii. Helping to host/front public meetings
  - iii. Writing letters of support for funding applications
  - iv. Connecting specific zone committee reps to specific projects underway
  - v. Supporting specific projects and helping summarise as a 'model' for other areas
  - vi. Recommending any IMS projects that relate to this work
3. The Zone Committee has a list of practical ideas of their own that relate to the whole Waikirikiri, and will be focusing on some of these in their 2021-2023 Action Plan.

Stephen Bragg ended the meeting with karakia.

DATED this Tuesday 5 day of May

2021

  
CO-CHAIR LES WANHALLA

  
CO-CHAIR FIONA MCDONALD

**MINUTES OF THE 105<sup>th</sup> MEETING OF THE SELWYN WAIHORA ZONE COMMITTEE  
HELD IN THE LINCOLN EVENT CENTRE ON TUESDAY 6 APRIL 2021 COMMENCING  
AT 4.30PM**

**AGENDA SUMMARY**

Item	Time	Description	Pages	Presenter
	4.30pm	Meeting commences with karakia and formal order of business: <ul style="list-style-type: none"> <li>• Apologies</li> <li>• Identification of Urgent General Business</li> <li>• Confirmation of minutes 1 December 2020</li> <li>• Public contribution</li> <li>• Correspondence</li> </ul>		
1.	4.50pm	Facilitator's Report – for information and discussion		Miria Goodwin – Environment Canterbury
2.	5.05pm	Future Thinking: What does it take to put together a healthy waterway and catchment partnership to enable funding bids? – For Discussion		Mike Pratchett, Water and Wildlife Habitat Trust
3.	5.25pm	Selwyn Waihora Zone Committee's 2021-2023 Action Plan – For Decision		Fiona McDonald (Co-chair) Miria Goodwin (Facilitator)
	6.10pm	Zone Committee Action list, meeting Wrap-up and close		Co-chair Fiona McDonald
	6.25pm	Meeting close		
	<b>6.30pm – 7pm</b>	<b>Light Dinner</b>		

**PRESENT**

Annie McLaren (Community Member); Les Wanhalla (Te Runanga o Taumutu / Co-Chair); Fiona McDonald (Community Member / Co-Chair); Councillor Nicole Reid (Selwyn District Council); Councillor Anne Galloway (Christchurch City Council); Councillor Vicky Southworth (Environment Canterbury Regional Council); Simon Hay (Community Member) and Paul Hodgson (Community Member)

**IN ATTENDANCE**

Miria Goodwin, Andrew Livingston, Murray Griffin (Environment Canterbury Regional Council); Teghan Bain and Therese Davel (Selwyn District Council); John Benn (Department of Conservation); Mike Patchett (Water and Wildlife Habitat Trust); Michael Bate

Teghan Bain opened the meeting with karakia.

Due to a lack of quorum at the start of the meeting, the order of business was not followed as per the agenda, however for ease of reference it is minuted in the correct order.

The Co-Chairs opened the meeting and asked Ms Teghan Bain to introduce herself. Teghan said she was the Tuia Representative at Selwyn District Council where she will work closely with the Mayor for the next year. She hoped to attend more meetings in the future.

### APOLOGIES

Dr Benita Wakefield (Te Rūnanga o Wairewa); Mishele Radford (Te Hapū o Ngāti Wheke)

**Moved** – Paul Hodgson / **Seconded** – Councillor Vicky Southworth

*‘That the Selwyn Waihora Zone Committee receives the apologies for information.’*

**CARRIED**

### IDENTIFICATION OF URGENT GENERAL BUSINESS

None

### CONFIRMATION OF MINUTES

**Minutes of the 104<sup>th</sup> Meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 1 December 2020**

**Moved** – Annie McLaren / **Seconded** – Simon Hay

*‘That the minutes of the 104<sup>th</sup> meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 1 December 2020, be confirmed as circulated.’*

**CARRIED**

### CORRESPONDENCE

Paul Hodgson asked if he could table two items to form part of the official meeting record. The request was granted, the items are as follows:

- 1) Memo from Environment Canterbury Regional Council to the Selwyn Waihora zone Committee on the topic: Swimmable Waikirikiri / Selwyn River at Coes Ford: the Silverstream.

- 2) Memorandum from KM Water Expert Water Advice to Paul Hodgson on the topic:  
Benefits of riparian setbacks and planting for water quality and ecosystem health

*(Refer attachments at the end of the minutes.)*

## PUBLIC CONTRIBUTION

Michael Bate presented on the condition of the L2 (refer attached presentation). Mr Bate noted that the waterways are being destroyed by ignorance and asked what chance indigenous species have within such a habitat. Mr Bate showed a series of photos and short video clips that he took in several streams and said he believed some of the streams have been chemically cleared of aquatic plants. Mr Bate was of the opinion that this was the work of Environment Canterbury. The photos showed evidence of little to no biodiversity in the Stormwater Wetlands East of Lincoln and heavy algal pollution due to excess nutrients and chemical use. Mr Bate also showed several photos taken three years ago when the same waterways were clear with healthy aquatic plant life.

The Zone Committee asked Councils, in particular Selwyn District and Environment Canterbury Regional Council how they thought the issues addressed by Mr Bate, could be resolved. Councils agreed to provide a response back to Mr Bate after consulting further with staff.

## REPORTS

### 1. For Information and Discussion – Facilitator's Report

*Miria Goodwin, Environment Canterbury*

The Zone facilitator took her report mainly as read but went through some of the upcoming events. As this was to be her last meeting with the zone committee she provided a comprehensive list of events for the zone members to be aware of. Committee members were asked what skills, areas of expertise and backgrounds were needed on the Selwyn Waihora Zone Committee. Members mentioned landowners in the zone, farmers from a range of farm types (dairy, horticulture, high country), and those with a science background. The Committee also discussed the fact that they may need to change the time of the meeting to suit new members, especially youth.

**Moved** - Paul Hodgson / **Seconded** – Fiona McDonald

*'That the Selwyn Waihora Zone Committee receive the Facilitator's report for information.'*

**CARRIED**

**2. For discussion – Future Thinking: What does it take to put together a healthy waterway and catchment partnership to enable funding bids?**

*Mike Patchett, Water and Wildlife Habitat Trust*

Mr Patchett told the zone committee about the objectives of the Water and Wildlife Habitat Trust (WWHT), being mainly to advocate for ecologically sustainable land-uses, nature conservation, healthy waterways and community use. They also aim to facilitate a catchment-scale healthy waterways and landscape programme, the main driver being collaboration.

Mr Patchett said they share a 30 year vision and said it could work if there was a whole of catchment approach. The Zone Committee could be involved by actively facilitating this partnership with the community, landowner groups, industry, councils, universities and other community groups.

*(Refer attached presentation for further information.)*

**3. For Decision – Selwyn Waihora Zone Committee 2021-2023 Action Plan**

*Fiona McDonald and Miria Goodwin*

The Co-Chair and Facilitator went through the Action Plan line for line to provide the zone members a final opportunity to make any suggested amendments. The comments provided by Paul Hodgson were printed in red for ease of reference.

The Committee agreed on the Action Plan but due to time limitations, agreed to provide any further feedback or comments to the Facilitator.

The final action plan will be part of the May agenda.

**4. For Discussion – Long-term Plans: Councillor Conversations**

The three Councillors each had an opportunity to briefly note their Councils' Long-term Plan (LTP) highlights. Zone committee members were encouraged to submit on any LTP if they so wish, in their individual capacity.

Teghan Bain ended the meeting with karakia. The meeting ended at 6.25pm.



DATED this 13<sup>th</sup> day of December 2021

  
CO-CHAIR LES WANHALLA

  
CO-CHAIR FIONA MCDONALD

Item 7

Attachment C

Actions Recorded, Meeting of 6 April 2021

Send Miria Goodwin final comments on draft Action Plan ready for ratifying in May	Zone Committee	6 April 2021
Send CCC submission points on ECan LTP to zone committee	Anne Galloway	6 April 2021
Send Zone Committee link to information about Rakaia Catchment Environmental Enhancement Fund and disseminate to community	Simon Hay and Committee	6 April 2021
Seek clarity on the state of L2 River and respond to Mr Michael Bate	Zone Committee	6 April 2021

## 8. Three Waters Infrastructure and Environment Committee - Resource Recovery - November/December 2021

Reference Te Tohutoro: 21/1807463

Report of Te Pou Matua: Ross Trotter, Manager Resource Recovery

General Manager Jane Davis, General Manager Infrastructure, Planning and  
Pouwhakarae: Regulatory Services

### 1. Brief Summary


- 1.1 The purpose of this report is to update the committee on solid waste management and resource recovery services.
- 1.2 Key points in this report:
  - 1.2.1 Closed Landfill remediation
    - Council staff are working on remediation options for a number of at risk former landfill sites, including sites at risk from the effects of sea level rise.
    - Key updates included in the report with good progress at Bexley and Le Bons Bay.
  - 1.2.2 Organics Processing Plant transitional plan and options for the future
    - Staff continue to work closely with the Organics Processing Plant contractor on a transitional plan to meet the conditions of the abatement notice issued by Environment Canterbury. Work to clear the site of maturing compost stored outside is on schedule to be completed in mid-January, 2022.
    - Staff are working with a supplier to develop an options study for future sites. The investigation will seek to consider as broader range of options within the parameters of the Council resolution as possible to ensure no practicable alternative is overlooked. These options will then be assessed via multi-criteria analysis to identify preferred option/s.
  - 1.2.3 Kerbside collection service and additional support
    - Staff will continue to work closely with the collections contractor Waste Management to address concerns across its delivery of a reliable and efficient service that meets our resident's expectations

### 2. Officer Recommendations Ngā Tūtohu

That the Three Waters Infrastructure and Environment Committee:

1. Receive the information in the Three Waters Infrastructure and Environment Committee – Resource Recovery – November/December Report

## Attachments Ngā Tāpirihanga

No.	Title	Page
A 	Three Waters and Waste Infrastructure and Environment Committee - Resource Recovery - November - December 2021	33

Additional background information may be noted in the below table:

Document Name	Location / File Link
Not Applicable	Not Applicable

## Confirmation of Statutory Compliance Te Whakatūtutanga ā-Ture

Compliance with Statutory Decision-making Requirements (ss 76 - 81 Local Government Act 2002).

(a) This report contains:

- (i) sufficient information about all reasonably practicable options identified and assessed in terms of their advantages and disadvantages; and
- (ii) adequate consideration of the views and preferences of affected and interested persons bearing in mind any proposed or previous community engagement.

(b) The information reflects the level of significance of the matters covered by the report, as determined in accordance with the Council's significance and engagement policy.

## Signatories Ngā Kaiwaitohu

<b>Author</b>	Ross Trotter - Manager Resource Recovery
<b>Approved By</b>	Helen Beaumont - Head of Three Waters Lynette Ellis - Head of Transport & Waste Management Jane Davis - General Manager Infrastructure, Planning & Regulatory Services



Development of planting beds at Waste Water Treatment utilising compost from Organics Processing Plant

## THREE WATERS INFRASTRUCTURE AND ENVIRONMENT COMMITTEE

### RESOURCE RECOVERY

November – December 2021 Report  
Christchurch City Council | January 2022

## TABLE OF CONTENTS

Planning and Policy .....	3
Resource Recovery Service Delivery Review project .....	3
Service enhancements.....	3
Bylaw Review .....	3
National and regional liaison .....	3
Financial overview .....	5
The numbers .....	5
Compliance and Quality assurance .....	6
Health Safety and Wellbeing .....	6
Operations.....	7
Kerbside recycling education.....	7
Internal Communications.....	8
Public Communications.....	8
Handheld Battery Recycling.....	10
Kerbside collections.....	11
Recycling.....	12
Transfer Stations .....	14
Organics Processing Plant .....	14
Landfill Aftercare .....	18

## PLANNING AND POLICY

### Resource Recovery Service Delivery Review project

The first stage of the review of our service delivery model (Section 17A Review) is complete and work has started on the second stage, the evaluation of options for service delivery. The S17A review work programme will be staged over the next six months and ultimately inform the final service delivery plan for solid waste and resource recovery services beyond the expiry of our major contracts in 2024 and beyond.

### Service enhancements

An education campaign for residents about the value of their bin service; explaining what happens to recycling and organics once it leaves their gate – the processing story – and how this impacts on the costs of bins was released in early November ahead of the public consultation on greater bin size flexibility.

The draft proposal for kerbside bin flexibility opened for public consultation on 15 November and closed on 12 December. Analysis of submissions is currently underway.

In parallel we released geographically targeted consultation in relation to the expansion of kerbside service to parts of Banks Peninsula and the Inner City.

Submissions on these service enhancements will be analysed and a final proposal for service drafted in Q1 2022 for consultation as part of the 2022 Annual Plan process.

Work to refine implementation processes to support the proposed changes in service delivery is progressing.

At a recent Council meeting Councillors noted that the current service delivery review includes options for separate glass collection and recycling, and requested that this review be completed in time to enable the separate collection and recycling of glass to be considered by the Council as part of the 2022-23 Annual Plan.

Staff are now compiling working advice on the feasibility and costs for this service, with a view to having this ready for Councillors in February 2022.

### Bylaw Review

The project team will engage with community boards in early 2022 before finalising the draft statement of proposal for a replacement bylaw and terms and conditions.

The review of the current bylaws and terms and conditions is intended to better align with changes in national regulations (related to waste reporting requirements) support the Council's proposed kerbside service (options for bin size), provide for waste management plans for multi-unit residential developments and include new licensing provisions for waste operations.

Public consultation on the replacement bylaw and terms and conditions would commence in Q1 2022 with submissions and hearings parallel with the 2022 Annual Plan process.

### National and regional liaison

In response to the proposed Emissions Reduction Plan and changes to the Waste Minimisation Act the Resource Recovery Unit supported development of a number of submissions including;

Te kawē i te haepapa para; Taking responsibility for our waste

- Canterbury Mayoral Forum submission
- Territorial Authority Officers Forum submission
- Christchurch City Council Submission

Te hau mārohi ki anamata - Transitioning to a low-emissions climate-resilient future

- Canterbury Mayoral Forum submission
- Territorial Authority Officers Forum submission
- Christchurch City Council Submission

Staff attended a number of facilitated workshops on the proposed changes, liaising across territorial authority contacts and working closely with the Canterbury council's on an aligned response and shared narrative.

Council staff continue to engage with the Ministry for the Environment (MfE) on the new reporting requirements for waste transfer stations and landfill sites. We have contacted all licensed waste operators under the bylaw noting the new reporting requirements.



## FINANCIAL OVERVIEW

### The numbers

Resource Recovery Operations Breakdown					November 2021			
Year to Date				Activity (\$'000's)	Full Year			
Actual	Budget	Variance	%		Forecast	Budget	Variance	%
3,649	6,230	2,582	41.4%	Recyclable Materials Collection & Processing	9,688	14,629	4,941	33.8%
2,411	2,821	411	14.5%	Residual Waste Kerbside Collection	6,728	6,771	43	0.6%
4,687	4,111	(576)	-14.0%	Residual Waste Disposal & Transport	11,116	9,866	(1,250)	-12.7%
68	131	62	47.7%	Landfill Gas Capture & Treatment	312	314	1	0.5%
(301)	(139)	162	117.1%	Refuse Transfer Stations	(857)	(740)	118	15.9%
222	141	(81)	-57.7%	Waste Minimisation	669	588	(82)	-13.9%
(1,121)	711	1,833	257.6%	Operation & Care of Closed Landfills	(118)	464	582	125.3%
5,966	7,776	1,811	23.3%	Residual Waste Collection & Disposal	17,850	17,263	(588)	-3.4%
3,445	3,494	49	1.4%	Organics Kerbside Collection	8,334	8,386	52	0.6%
1,773	1,740	(33)	-1.9%	Organics Processing incl Composting Plant	3,935	3,941	6	0.2%
5,218	5,234	16	0.3%	Organic Material Collection & Composting	12,269	12,327	58	0.5%
14,832	19,241	4,409	22.9%	Controllable Net Cost of Service	39,808	44,220	4,412	10.0%

Figure 1 Resource Recovery Financial Overview

Recyclable Materials Collection & Processing costs YTD November 2021 are \$2,582,000 lower than plan. This is due to lower recycled material processing costs as a result of higher than budgeted price received for recyclable material processed.

Residual Waste Collection & Disposal costs YTD November 2021 are \$1,811,000 lower than plan. Residual Waste Kerbside Collection costs are \$411,000 lower due to lower collection costs (\$283,000) and unplanned revenue (\$128,000). Residual Waste Disposal & Transport costs are \$576,000 unfavourable due to an additional \$291,000 disposal costs and additional \$285,000 for diverting recycled material directly to landfill as a result of contamination. Closed Landfills are \$1,833,000 favourable to plan due to additional revenue (\$1,653,000) and lower maintenance costs (\$180,000) YTD. Refuse Transfer stations are \$162,000 lower than plan YTD due to lower maintenance costs.

Organics Processing & Composting costs YTD September 2021 are \$16,000 lower than plan YTD.

## COMPLIANCE AND QUALITY ASSURANCE

### Health Safety and Wellbeing

Health Safety and Wellbeing Statistics - Month of December 2021	Totals	Land Drainage	Water Waste	Resource Recovery	Transport	Intern
Near Misses	10	0	1	9	0	0
First aid injuries (FAI)	0	0	0	0	0	0
Medical Treatment Injuries (MTI)	0	0	0	0	0	0
Lost Time Injuries (LTI)	0	0	0	0	0	0
No. of days lost to LTIs	0	0	0	0	0	0
No. of hours worked	46,662	-	12,746	2,780	3,717	27,419
Health Safety and Wellbeing Statistics - Year to Date - December 2021	Totals	Land Drainage	Water Waste	Resource Recovery	Transport	Intern
Near Misses	178	0	67	81	22	8
First aid injuries (FAI)	39	0	2	22	10	5
Medical Treatment Injuries (MTI)	12	0	2	1	5	4
Lost Time Injuries (LTI)	5	0	3	0	1	1
No. of days lost to LTIs	66	0	51	0	5	10
No. of hours worked	515,487	7,633	111,235	93,580	138,412	164,627
LTIFR	9.7	0.0	27.0	0.0	7.2	6.1
MTIFR	33.0	0.0	44.9	10.7	43.3	30.4
TRIFR (LTI + MTI)	42.7	0.0	71.9	10.7	50.6	36.4
Year to Date July 2021 - June 2022 (as at 12-01-2021)						
Monthly Reporting URL						
<a href="http://www.tinyurl.com/ngk32y5">www.tinyurl.com/ngk32y5</a>						

Figure 2 Health Safety and Wellbeing Statistics

## OPERATIONS

### Kerbside recycling education

Findings from wheelie bin audits are being used to determine where targeted education is best focused, to move the large number of residents achieving “education required” status, up to “gold star” status. The overall purpose is to reduce the amount of contaminants being received from these lesser contaminated bins.

Bin removals, for households who have continued contaminating after two warnings and a letter, total 1,557 so far for 2021 (up to the 17 of December). 2,747 final warning letters were sent out in 2021.

Converted recyclers, i.e. those who have received these warnings, and then demonstrated a change to ongoing “gold star” quality recycling presentation, total 1,557.

All bin audits in 2021 total 173,469.

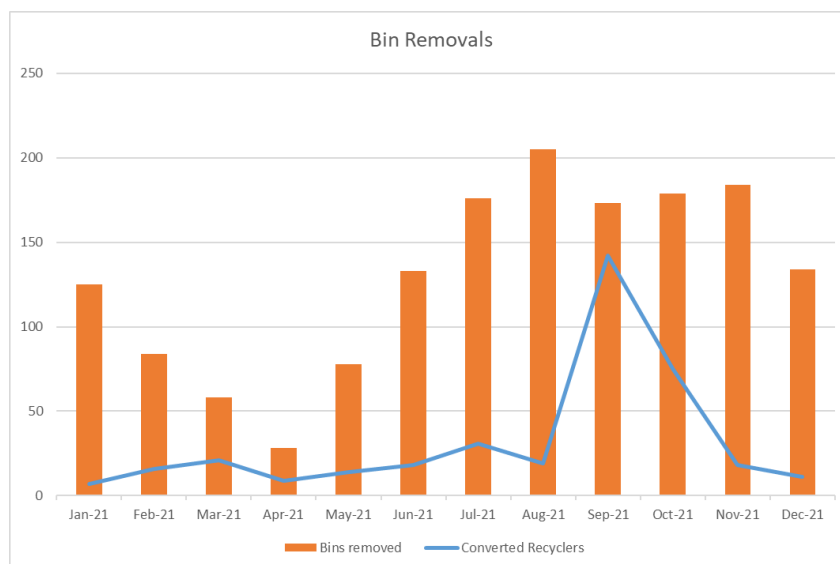


Figure 3 Recycling bin removals

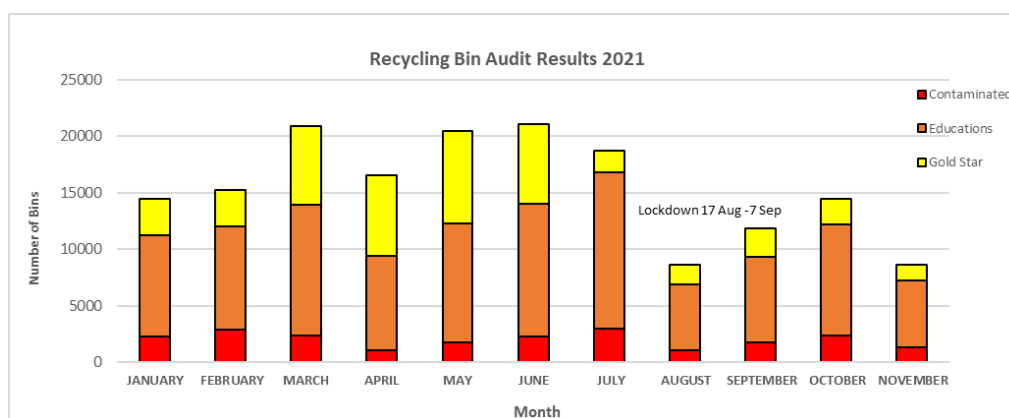


Figure 4 Recycling bin audit results

### Internal Communications

The “Bin Good Challenge” was run at Te Hononga, the Council civic building, with all floors competing on correct use of the tearoom rubbish recycling and organics bins. All floors showed improvement, with the winners seeing a 75 per cent improvement from week one to week two. This pilot internal auditing programme is planned to be carried out again both in civic and other council facilities, to ensure we are “walking the talk”.

### Public Communications

The updated “Bin Good” booklet and “Checking In” pamphlets, are now being provided to residents. Updates include further direction on the booklet tips page, on preventing tampering, and also direction to alternative recycling schemes, on our website.

Alternative schemes were also promoted in this year’s final newsletter out to all schools.

The “Checking In” feedback card updates are based on top contaminants found in kerbside recycling bins. In addition, the “top 10 tips” card is now also being provided to residents, as additional information to answer FAQs on sorting common household items.



Figure 5 Bin good collateral

The University of Canterbury held an end of semester ‘Skip day’ on 16 November, this year’s event included a focus on diversion and recovery of reusable items, with assistance from Resource Recovery and EcoCentral Staff. This was an opportunity for the student union to divert rubbish from landfill and provide education on waste diversion and correct disposal for University of Canterbury students. Learnings from the day are being used to assist with student education programmes in the New Year, and to assist with next year’s event.



Figure 6 University of Canterbury Skip Day

### Marketing and communications

Five key campaigns delivered the following results:

- Web page views 251,390 (up 43,000)
- App users total 55,890 app downloads (up by about 10,000 users). On average 22,000 active users each month
- Average yellow bin contamination is 89% trucks recycled, slightly up on the previous six months (88.5% trucks recycled)

Campaigns		Results
Red Bin	July- Dec. Always on Targeted street posters Translated messages	6m impressions delivering 47K webpage views (click through rate average cost per click \$0.22 (this is very good))
Yellow Bin	Aug/Sept	Early message in the market meant we were able to recycle 87% and 93% of trucks during months Aug/Sept.
Good things happen videos	2- 14 November	176,775 Views (75%) 165,600 (completed views) 63.18%. Overall cost for completed view \$0.03.
Have your say More bin choice	14 November- 5 December	8597 webpage views 955 submissions
Christmas messaging Yellow bin GDN	13-24 December	Currently in market.

Figure 7 Kerbside marketing campaigns

### Campaign highlights

- **Good things happen when you bin good**  
Awareness based campaign to increase the level of understanding what happens to the stuff in the yellow and green bins. This is a long message to hold people's attention with. Delivering positive animated videos designed to engage residents resulted in 165,600 completed views in just under two weeks. The video assets are now on the kerbside webpages and are re-usable.
- **More Choice for your bins**  
A cohesive campaign using editorial based channels to provide the full story the 'why and what'. Delivering 8,597 webpage views and 955 submissions.
- **Christmas messaging**  
Focused around a two-page newspaper spread in The Star and Bay Harbour News to remind people to 'bin good'. This was also followed up with a Christmas App message.



Figure 8 Christmas marketing campaign

### Handheld Battery Recycling

Battery collection volumes show residents continue to utilise this free service, after a slight dip in August during lockdown.

Feedback from collection sites and the processor, in addition to high volumes being received, show the continued very positive public reception of this programme.

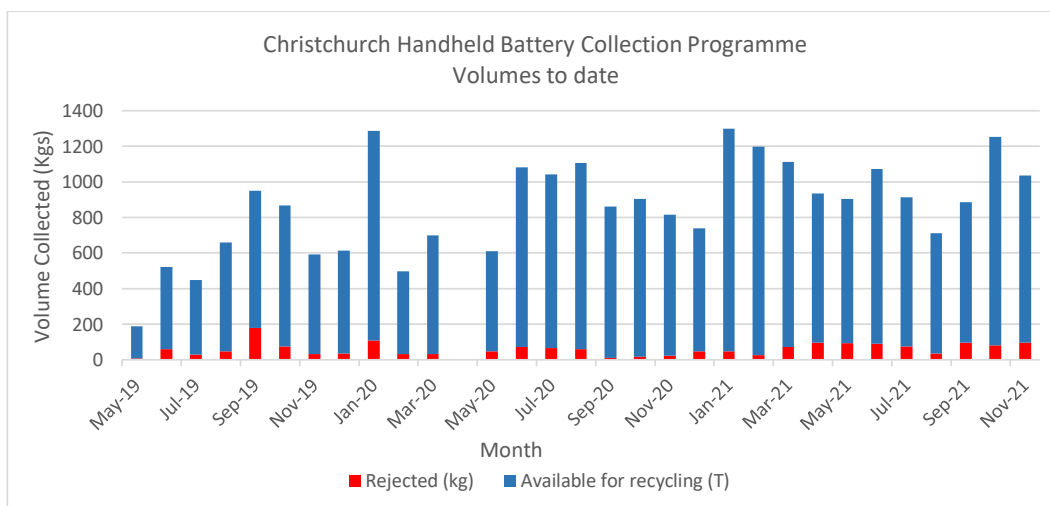


Figure 9 Batteries collected for recycling

Regional battery collection receptacles, established for the expansion of the successful Christchurch collection model (with funding from the Ministry for the Environment, Environment Canterbury and the Canterbury Waste Joint Committee), are now getting up and running. These provided a free way to both reduce batteries to landfill in Canterbury and reduce risk of fires from lithium batteries in the waste system.

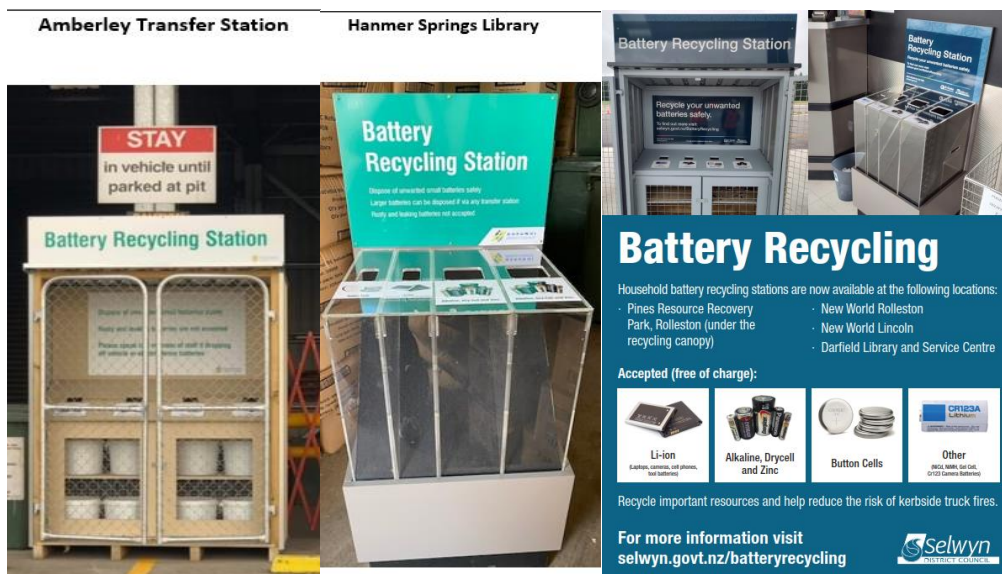


Figure 10 New battery collection receptacles

### Kerbside collections

Kerbside collection volumes have been stable, with slightly higher volumes in November. The seasonal influx of green waste is shown in a steep increase in the quantity of Organics collected.

The Contractor is currently updating fleet decals on its collection vehicles including a new organics trucks which was added to the fleet in December.

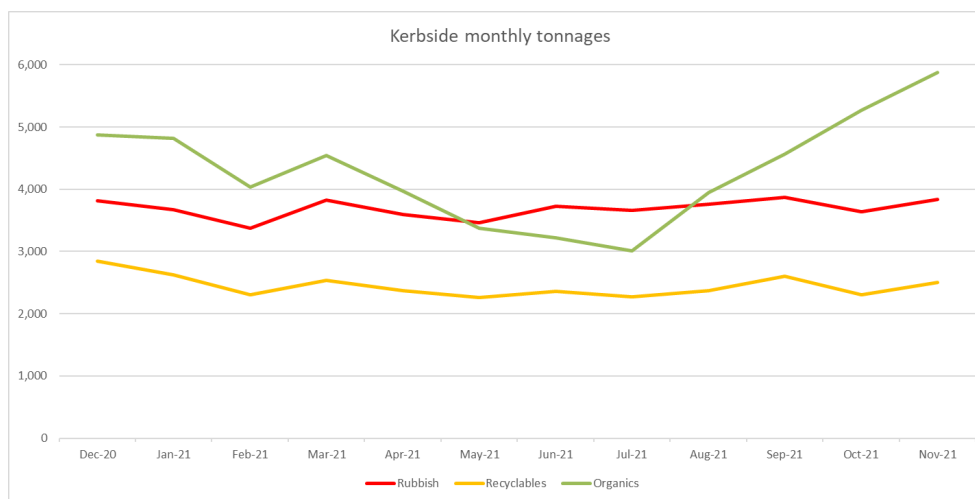


Figure 11 Kerbside collection tonnages



### Kerbside contractor performance

Concerns with the performance of our collections contractor continue with a further Notice of Direction issued for failure to meet agreed KPIs for missed streets in November.

Additional failures were identified with some vehicles in the collection fleet not in compliance with NZTA Code of Practice for Temporary Traffic Management (CoPTTM). A Notice of Deficiency was issued on November 3 followed by an audit of the fleet by the Team Leader of Temporary Traffic Management. The audit identified 45 per cent of the collection fleet Chevrons were in poor or average condition and needed improvement. This programme of work has now been enacted.

### Customer requests – Hybris

Kerbside service request volumes are increasing, October had a large increase with 3493 tickets and 3472 in November. Over 65 per cent of these tickets are resulting from missed collections and damaged bins.

Staff continue to work with the collections contractor to ensure wheelie bin related issues are being managed in an effective and proactive manner.

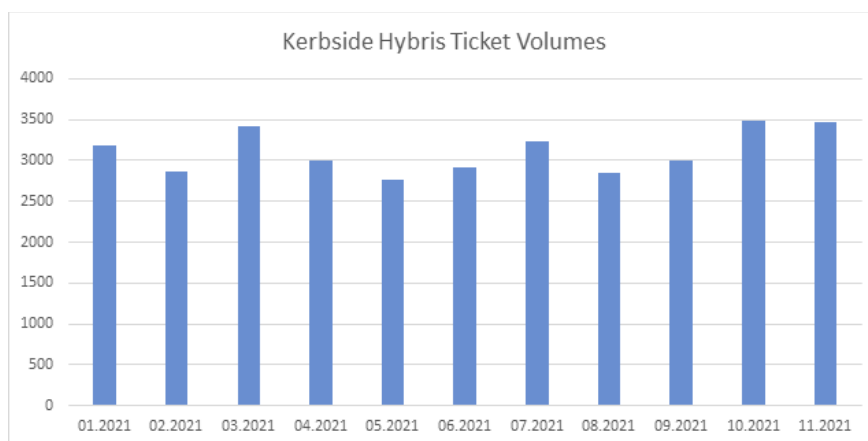


Figure 12 Hybris Kerbside Service Requests

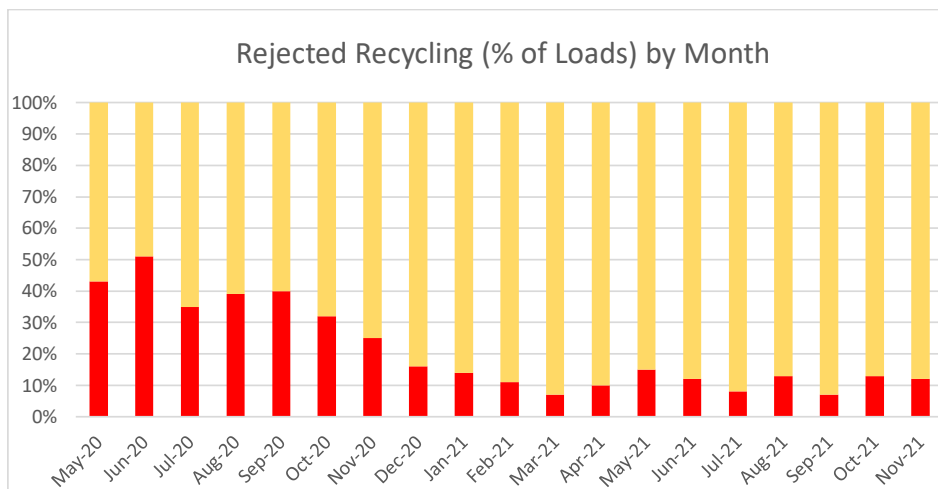
### Recycling

#### EcoSort (materials recovery facility) recycling quality

November 2021 saw a slight decline compared to the previous improvement in the number of recycling trucks able to be processed at the processing facility, with 88 per cent containing 10 percent, or less, contamination.

Our Waste Free workshops which offer residents tips, tricks and waste free products to reduce their household waste continue to be offered online following COVID Protection Framework guidance.

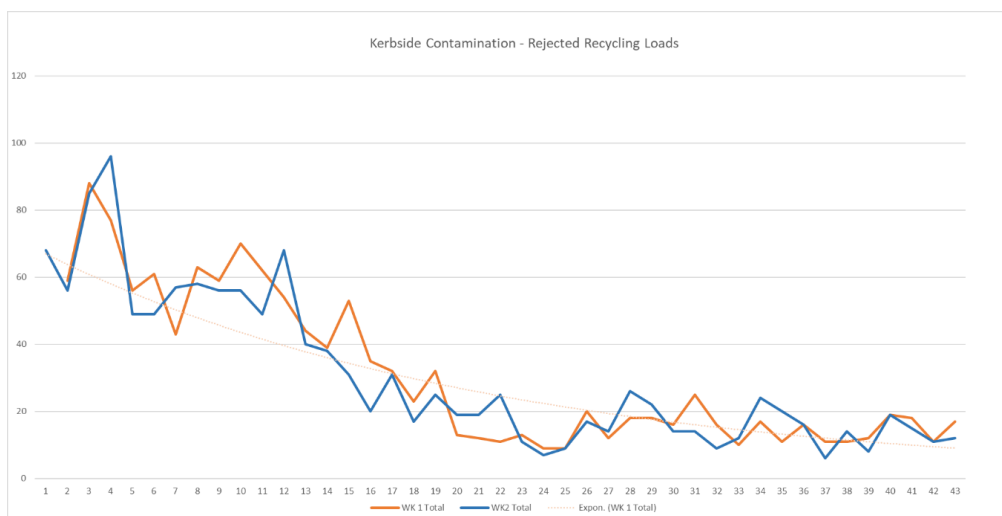




**Figure 13 Contaminated recycling loads by month**

We are continuing with a wide range of a number of communication initiatives along with the bin auditing education programme which includes the monitoring of bins that had received a final warning

The average contamination rate of the rejected loads (above the 10 per cent threshold) was 16 per cent.



**Figure 14 Rejected contaminated loads by week**

#### Materials Recovery Facility Plant Upgrade

EcoCentral is progressing with the planned facility upgrade, which will improve the facility's ability to sort plastics and fibre, resulting in higher quality outputs and a wider range of plastic commodity grades. The upgrade is scheduled to be completed between February and November 2022.

### Transfer Stations

#### Barrys Bay Transfer Station

The Barrys Bay site development project is on track, with a stormwater assessment completed in December 2021. The report provides a number of recommendations to support the planned upgrades including securing water supply, site stormwater and waste water management systems.

The information from this report will inform the next stages of finalising the detailed design, consent applications, procurement and construction works.

#### Banks Peninsula – Community Collection Points

Council has installed new signage, consistent with current branding and messaging, at the Banks Peninsula community collection points. This is the first up-grade to the signage in 10 years.



Figure 15: CCP signage (before)



Figure 16: CCP signage (now)

### EcoDrop Transfer Stations

All EcoDrop Stations continue to operate a full service under the new COVID Protection Framework.

Two projects have been initiated and early investigative work is in progress for improvement in environmental management controls at three city Transfer Station sites. The work involves stormwater and landscaping, as well as updates to the existing environmental management plans. At this stage we anticipate concept design options in Q1 2022. Timing for the construction phase of any improvements to be confirmed.

### Organics Processing Plant

#### Future of Organics Project

On 9 September 2021 the Council resolved to close the Request for Proposal for the Organics Plant Upgrade project and request staff to investigate the options of building a new organics processing facility. Results of the investigation will be considered by the elected Council by March 2022.

External consultancy firm Jacobs, are currently developing the investigation and feasibility assessment. The investigation will consider a broader range of options within the parameters of the Council resolution as possible to ensure no practicable alternative is overlooked. These options will then be assessed via multi-criteria analysis to identify preferred option/s.

An update to Councillors was provided via briefing on 16 November 2021.

### Regulatory Compliance

Staff continue to work closely with the contractor on a transitional plan to cease all outdoor processing of organic material in order to meet the conditions of the abatement notice issued by Environment Canterbury for the site operations. This plan to include:

- processing of incoming material to only occur indoors
- screening of material to occur within an enclosed structure
- maturation of material to occur offsite
- emissions to be treated by a biofilter (air extracted from the processing hall and screening shed).

To achieve the objectives in the plan, the product will be screened directly following the in-vessel phase of composting and transferred offsite. Offsite uses for this lower maturity product include:

1. Application to land as a soil amendment - a promising trial is underway at the Christchurch Wastewater Treatment Plant with screened compost being applied directly to land. The application of this material is being assessed as a soil amendment with considerations for both maturity and odour. Initial results have been good, with no reported issues of odour or dust from the activity. It is estimated that paddocks surrounding the plant could take over 100,000 tonnes of compost; or around 3 years of output from the facility.
2. Living Earth are also developing markets for the lower maturity compost and have confirmed 15,000 tonnes of demand; outlets include Kate Valley and the west coast coal mines, both for land remediation purposes. Further demand is expected with outcomes of the above application trial.

The site contractor has provided a plan to meet the compliance date of 31 January 2022.

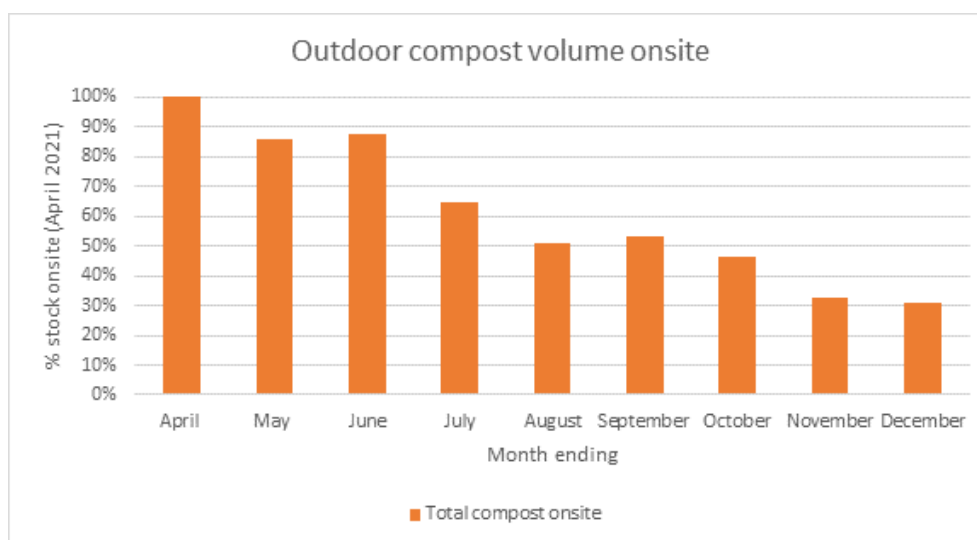


Figure 17 Removal of compost from site

The existing material stored in outdoor windrows is being cleared from the South of the site, with all operations moved closer to the Processing building. This will reduce loader movements and increase operational efficiencies across the site. As of 16 December a significant area at the Southern end of the site is now free of compost, see image below.



**Figure 18 Clearing the organics processing site (Southern end)**

The contractor continues to maintain a time-lapse photograph of the site to keep the community informed on the progress towards clearing the site of outdoor product by 31 January 2022. The two images below highlight the reduction in outdoor storage to date. The first is from 18 May 2021 compared to the second from 16 December 2021.



**Figure 19 Previous time lapse image of the site**



Figure 20 Latest time lapse image of the site

In December, Environment Canterbury issued Living Earth two notices of non-compliance, see below.

	July 21	August 21	September 21	October 21	November 21	December 21
Complaints	32	8	31	4	103	Not available
LE NONC	1	1	0	0	0	2

Figure 21 Bromley area complaints and Living Earth non-compliance notices

Note: The increase in complaints for November may be attributed to the wastewater treatment plant given the increase in odour since the fire on 1 November 2021.

Note: Environment Canterbury have not released reports for December.

Reports are released publicly at the following webpage: <https://www.ecan.govt.nz/get-involved/news-and-events/2020/smelt-it-bromley-residents-asked-to-report-odours-online-as-part-of-pilot-project>

#### Community Engagement

We are continuing to communicate with the community regularly via newsletters. The last quarterly public meeting was held on 16 November 2021.

After meeting with Environment Canterbury on 15 December 2021 to discuss the future of the public meetings it was agreed upon to revert to the Community Liaison Group format, focusing on Living Earth rather than the wider Bromley Liaison Group format. Feedback from the community was also taken on board and the next meeting will be held closer to the residents at Living Earth.



### Landfill Aftercare

#### Banks Peninsula Closed Landfill Annual Monitoring

Monitoring of resource consents by Environment Canterbury has deemed the following closed landfills compliant:

- Onuku (See below)
- Birdlings Flat
- Barrys Bay Transfer Station

However, Environment Canterbury have determined the Barrys Bay closed landfill to be non-compliant – action required (seawall repair). An options report is currently being prepared.

The Gollans Bay closed landfill has not been monitored due to accessibility issues and timing of rain events, waiting on sampling results to determine compliance.

### Allandale closed landfill

Following observance of minor foreshore erosion at the Allandale closed landfill an assessment of the site has been completed, including a drone Survey of the site. Design for remediation of the site is being worked on by CCC TSD team.

### Barrys Bay Closed Landfill

A report considering the various remediation options for the site is being prepared, to be presented to Council in February 2022.

### Bexley Closed Landfill

Foreshore remediation project is progressing well, with works in Zone 1 completed and Zone 2 close to completion this year. Zone 3 to be started on early in 2022.

A site inspection following the significant rainfall event on 15-16 December found the site to be largely unscathed/in good condition.



Figure 22 Bexley landfill remediation works

In addition to the Coastal protection works, planning for an assessment of the condition Bexley closed landfill cap is also underway.

#### Le Bons Bay Closed landfill

Work on removal of the Le Bons Bay landfill material to Kate Valley Regional landfill has been progressing well since works started on 26th October 2021. To date, over 2000 tonnes of material has been disposed of at Kate Valley.

Trucking has been steady with between three to five truck and trailer units per day making the journey. Once works commenced, it became apparent there is more waste to remove than was initially estimated, with around 3600 tonnes likely to be excavated.

Due to the recent storm event, site works ceased on 16th December 2021 and are scheduled to recommence on 11th January 2022.

#### Onuku closed landfill

Acknowledging that the required cap repair will not be completed in time for the current abatement notice (compliance date of February 2022), Environment Canterbury have suggested closing the current abatement notice and filing a new notice once CCC has a fixed schedule for repairs.

The current best estimate is that works will be completed by 30 June 2023. The main cause for the delay relates to ecological controls, with the capture and relocation of lizards required before works can commence.

The landfill is currently being used as a site base for works on the adjacent block of land in the Takapuneke Reserve where a Pou is being erected.

#### Burwood Resource Recovery Park

The Construction and Demolition Waste landfill established in response to the Canterbury earthquake sequence is being progressively closed, with a plan to return it to a recreational area as part of the Bottle Lake Forest. Site earthworks to be completed at Site P by end of February 2022, with final landscaping due to be completed in September. The site will be handed over to the Council's Parks unit and the public access reinstated in October 2022.

A blessing ceremony has been arranged for Site D sensitive materials on 19 February 2022, this event will conclude this project and may enable the Resource Recovery unit to pass this area over to Parks ahead of October.

As part of the handover and reinstating public access a risk assessment of safety for public around the surface ponds is being carried out by Council's Technical Services and Design team.

Low grade contaminated soils continue to be received at site C while resource consents for continued operations are being assessed. Approximately 7,500 tonnes of soil is received each month.

The production of landfill gas has been steady over November and December, with the successful landfill gas treatment plant control system upgrade commissioned 12 November 2021.

Landfill gas is currently being underutilised by Council plant so gas is being flared on a regular basis.



Figure 23 Burwood Resource Recovery Park Site D



Figure 24 Community Liaison Group meeting - Landfill Gas Well Head prototype