

# Agenda

## Canterbury Mayoral Forum

**Date:** Friday 26 May 2017

**Time:** 9.00am to 12.30pm

**Venue:** Timaru District Council Chamber, 2 King George Place, Timaru

**Attendees:** **Mayors/Chair:** Lianne Dalziel (Chair), Damon Odey (Deputy Chair), Winston Gray, Winton Dalley, David Ayers, Sam Broughton, Donna Favel, Graham Smith, Craig Rowley, Gary Kircher, David Bedford

**Chief Executives:** Angela Oosthuizen, Hamish Dobbie, Jim Palmer, Dr Karleen Edwards, David Ward, Andrew Dalziel, Bede Carran, Wayne Barnett, Stuart Duncan, Michael Ross, Bill Bayfield

**In attendance:** Graham Mitchell and Nick Manning Crown Fibre Holdings Ltd (item 10)

**Secretariat:** David Bromell, Anna Puentener, Louise McDonald (minutes)

### Apologies:

Time	Item	Person
9:00	Spotlight on Timaru District – <i>media invited to attend</i>	Damon Odey / Bede Carran
9:20	Media conference on the Mayoral Forum and its work	
9:50	1. Welcome, introductions and apologies 2. Confirmation of Agenda 3. Minutes from the previous meeting 3.1. Confirmation of Minutes, 24 February 2017 3.2. Action points	Chair
10:00	4. Canterbury Regional Economic Development Strategy 2017–19 4.1. Adoption of strategy 4.2. Launch and Ministerial announcements 23 June 4.3. Newcomer and migrant settlement work programme matters (verbal) 4.4. The case for Canterbury: fundraising	Chair Secretariat Donna Favel / Sam Broughton Jim Palmer
10:45	<i>Morning tea</i>	
11:00	5. Canterbury drinking-water reference group report	Bill Bayfield
11:15	6. Update on earthquake recovery in North Canterbury (verbal)	Winton Dalley Winston Gray
11:25	7. CWMS quarterly report (to be taken as read)	
11:30	8. Chief Executives Forum report 8.1. 3-year work programme, 2017–19 8.2. Regional submissions 2017	Jim Palmer Bill Bayfield
11:50	9. General business 9.1. Meeting with Local Government Commission, 24 August 2017 9.2. Updated schedule for regional forum meetings 2017 9.3. Farewell to Michael Ross	David Bromell Chair
12:00	10. Meeting with Crown Fibre Holdings Ltd (refer copy of CFH letter to Mayors in Feb 2017)	Damon Odey
12:30	<i>Lunch – followed by:</i> 1:00 pm CDEM 2:30 pm Regional Transport Committee	

## **CANTERBURY MAYORAL FORUM**

**FRIDAY 24 FEBRUARY 2017 COMMENCING AT 10.40 AM  
ENVIRONMENT CANTERBURY. 200 TUAM STREET, CHRISTCHURCH,**

### **PRESENT**

#### **Members:**

Ashburton District Council	Mayor Donna Favel Andrew Dalziel
Christchurch City Council	Mayor Lianne Dalziel (Chair) Brendan Anstiss
Environment Canterbury	Chair David Bedford Miles McConway
Hurunui District Council	Mayor Winton Dalley Hamish Dobbie
Kaikōura District Council	Mayor Winston Grey
Mackenzie District Council	Mayor Graham Smith Wayne Barnett
Selwyn District Council	Mayor Sam Broughton David Ward
Timaru District Council	Mayor Damon Odey (Deputy Chair) Bede Carran
Waimakariri District Council	Mayor David Ayers Jim Palmer
Waimate District Council	Mayor Craig Rowley Stuart Duncan
Waitaki District Council	Mayor Gary Kircher Michael Ross

#### **In Attendance:**

Michael Lester (Chair NZ Community Boards Executive) for item 4  
Mike Reid (Local Government NZ) for item 4  
Gerard Cleary (Waimakariri District Council) for item 10

#### **Environment Canterbury**

David Bromell, Anna Puentener and Louise McDonald (secretariat)

### **1. WELCOME**

Mayor Dalziel welcomed members to the Canterbury Mayoral Forum meeting and thanked members for agreeing to the change in the meeting time to enable the Civil Defence Emergency Management Joint Committee to meet at 8 a.m.

### **2. CONFIRMATION OF AGENDA**

No additional items were identified.

### **3. MINUTES OF CANTERBURY MAYORAL FORUM MEETING: 27 January 2017**

The minutes of the meeting held on 27 January 2017 were confirmed and the action points were noted.

#### **4. NEW ZEALAND COMMUNITY BOARDS CONFERENCE, 13-14 MAY 2017**

Mick Lester, Chair of the NZ Community Board Executive Committee, invited members to attend the New Zealand Community Boards Conference to be held at Methven on 12 and 13 May. An interesting list of speakers will be at the conference.

Mayor Favel said that Ashburton District were delighted to be hosting this conference and encouraged members to attend.

Item 10 was then taken.

#### **10. REGIONAL STORMWATER FORUM UPDATE**

Gerard Cleary, Stormwater Forum Chair, presented the report on page 33 of the agenda.

The Forum were advised that Environment Canterbury had approved Plan Change 4 to the Canterbury Land and Water Regional Plan and that this sets the rules of urban stormwater discharge.

It was observed that the cost of infrastructure will be a challenge for Councils' Long Term Plans.

#### **Resolved**

**That the Canterbury Mayoral Forum:**

- 1. receive the Regional Stormwater Forum progress report.**
- 2. note that the Canterbury Regional Stormwater Forum is continuing to seek progress in the following key areas:**
  - implementing the Land and Water Regional Plan**
  - seeking to address gaps identified in the Best Practice Gap Analysis to continue to develop best practice guidance and improve awareness and uptake of these approaches**
  - to seek broad community and industry behaviour change in activities at the kerb, drain or 'top of pipe' to improve the quality of stormwater discharges into the receiving environment.**
- 3. note that the outline of the forum's work programme appended to the report.**

Mayor Kircher / Chair Bedford  
CARRIED

#### **5. CANTERBURY REGIONAL ECONOMIC DEVELOPMENT STRATEGY (CREDS)**

##### **5.1 Reflection on the workshop**

Mayor Odey advised that matters raised at the workshop held on 23 February including transport, education and training, value-added production, and the visitor strategy would be added to the Strategy.

##### **5.2 Working together for Canterbury**

A draft letter to Ministers Goldsmith and Joyce in support of the Lincoln Hub was circulated and amended for signature by the Mayoral Forum members.

### **5.3 Alignment with the Christchurch Economic Development Strategy**

David Bromell advised that he was working with the team at the Canterbury Development Corporation on aligning the wording of CREDS with the Christchurch Development Strategy.

## **6. THE CASE FOR CANTERBURY**

There was a discussion about the Case for Canterbury presentation viewed at the workshop held on 23 February and the following points were made:

- the case needs to have a point of interest to bring people in and also be authentic for local people
- Canterbury needs a brand and we need to think about how we reinforce the brand
- the Canterbury experience has to meet peoples' expectations, the region has to have the infrastructure to protect the environment that people are coming to see
- Canterbury needs to be a welcoming community
- the presentation was very good, it was suggested that more images of people and music would make it even better.

Mayor Dalziel will investigate funding for video and images for the next step in developing the Case for Canterbury.

Mayor Dalziel left the meeting at 11.45 am and Mayor Odey assumed the chair.

## **7. REVIEW OF EARTHQUAKE RECOVERY PROCESS**

Mayor Odey confirmed that the Mayors had received briefings on the Hurunui/Kaikōura earthquake recovery at the Civil Defence Emergency Management Joint Committee meeting held earlier.

Jim Palmer advised that Central Government is working on a very tight timeframe for input into the budget for earthquake recovery.

Appreciation was expressed for the support provided by Waimakariri District Council and Environment Canterbury to Hurunui and Kaikōura in providing the information requested by Central Government.

## **8. FUTURE OF CANTERBURY ECONOMIC DEVELOPMENT CO. LTD**

Bede Carran presented the report on page 11 of the agenda.

### **Resolved**

#### **That the Canterbury Mayoral Forum:**

- 1. agree that the Canterbury Economic Development Company Ltd should be wound up and application made to the Registrar of Companies for its removal from the Register.**
- 2. agree that each shareholder be asked to resolve that the Canterbury Economic Development Company Ltd be wound up and application made to the Registrar of Companies for its removal from the Register.**

Mayor Broughton / Mayor Odey  
CARRIED

## 9. CHIEF EXECUTIVES FORUM REPORT

Jim Palmer presented the report on page 16 of the agenda.

### Resolved

That the Canterbury Mayoral Forum;

1. confirm that the three-year work programme 2017-2019 reflects the Canterbury Mayoral Forum's priorities for 2017.
2. note the work completed by the Policy Forum and Chief Executives' Forum on principles and processes for working together in Canterbury.
3. note work underway to identify central government regulatory proposals that may require a regional response in 2017.
4. note the change in arrangements for regional groups and forums to improve their effectiveness and ensure alignment with regional priorities.

Mayor Ayers /Mayor Rowley  
CARRIED

## 11. MEETING DATES/VENUES FOR 2017

David Bromell presented this item and invited feedback from the Forum on meeting dates and venues for 2017.

There was support for meeting outside of Christchurch when possible and it was agreed that the meeting scheduled for Friday 26 May will be held in Timaru.

### Resolved

That the Canterbury Mayoral Forum:

1. note the regional forum meeting dates for 2017
2. agree the venues for the 2017 meetings:

Date	Time	Venue	Forum
25 May	6.30 pm	To be advised	Mayoral Forum working dinner
26 May	9.00 am	Timaru District Council	Mayoral Forum
24 Aug	6.30 pm	To be advised	Mayoral Forum working dinner
25 Aug	9.00 am	Environment Canterbury 200 Tuam Street, ChCh	Mayoral Forum
30 Nov	6.30 pm	To be advised	Mayoral Forum dinner
1 Dec	9.00 am	Environment Canterbury	Mayoral Forum

Mayor Broughton / Mayor Favel  
CARRIED

## 12. GENERAL BUSINESS

There was no general business.

### CLOSURE

The meeting closed at 12.12 pm.

# Action Points

## Canterbury Mayoral Forum

As at May 2017

Forum Date	Subject	Actioned by	Deadline	Status
27 Jan 2017	Discuss the Canterbury story at Zone 5-6 meeting to assess interest in working together to develop a South Island story	Chair / Mayors	31 Mar 2017	
27 Jan 2017	All Councils to be invited to ratify Triennial Agreement and Mayoral Forum Charter of Purpose	Chief Executives / Mayors	1 March 2017 if possible	Complete
27 Jan 2017	Reply to letter from Paul Deavoll, Spark NZ	Lianne Dalziel / Damon Odey	7 Feb 2017	Complete
27 Jan 2017	Identify opportunities to align and integrate the CREDS and CEDS	Secretariat / CDC	24 Feb 2017	Complete
27 Jan 2017	Discuss with Helen Wyn (Senior Regional Official) opportunities to launch the refreshed CREDS with Ministers	Chair / secretariat	24 Feb 2017	Complete
27 Jan 2017	Review workshop and meeting dates and venues for 2017 and opportunities to meet outside of Christchurch over the course of the triennium	Chair / secretariat	24 Feb 2017	Complete. 26 May meeting to be held in Timaru.
27 Jan 2017	Revise draft regional submission on Health (Fluoridation of Drinking Water) Amendment Bill in light of discussion and submit over Mayor Odey's signature and circulate to all Mayors and CEs	Secretariat	2 Feb 2017	Complete
23 Feb 2017	Write to the Ministers of Finance and Tertiary Education advocating for the Lincoln Hub	Secretariat to draft	24 Feb 2017	Complete – response from Ministers attached.
24 Feb 2017	Application made to remove Canterbury Economic Development Company Ltd from the Registrar of Companies.	Bede Carran	26 May 2017	In progress
24 Feb 2017	Investigate funding for video and images for the next step in developing the Case for Canterbury	Lianne Dalziel / secretariat	26 May 2017	Agenda item 4.4

**Date:** 26 May 2017

**Presented by:** Bill Bayfield

## Canterbury Drinking Water Reference Group

### Purpose

This paper provides the final report on work undertaken by the Canterbury Drinking Water Reference Group (CDWRG).

### Recommendations

That the Mayoral Forum:

- 1 **note and receive** the final CDWRG Report
- 2 **agree** to retain the CDWRG to complete the following actions:
  - 2.1 in light of the release of the Havelock North Stage 1 report, outline key findings, assess against CDWRG findings to date, and determine priority next steps
  - 2.2 take learnings from the Havelock North Inquiry giving practical effect including the consideration of financial implications
  - 2.3 generate a final, best practice contingency plan for use in emergency or other contamination events
  - 2.4 agree a shared definition of high-risk drinking water supplies using standardised criteria
  - 2.5 review and, if appropriate, draft a submission/response to the Stage 2 of the Government's Inquiry into Havelock North Drinking Water, once available
  - 2.6 refine the necessary improvements in regulatory compliance actions across councils
  - 2.7 provide an annual update on the status of Drinking Water supplies and their cross-organisational management to the Chief Executives Forum and the Canterbury Mayoral Forum.

### Background

- 1 In light of the Government Inquiry into Havelock North Drinking Water, the Chief Executives Forum sought to have a short-life Canterbury Drinking Water Reference Group created. The Reference Group was tasked with reporting on the vulnerability of drinking water supplies in Canterbury, noting contingency plans and recommending any amendments to current practice as may be required.
- 2 In particular, the Reference Group was to:
  - review compliance in the Canterbury region with current regulation
  - identify high-risk drinking water supplies, alongside current measures/plans to mitigate or eliminate these risks

- review contingency planning and preparedness for contamination response
- review and develop recommendations on any other measures that may be required to ensure the security of drinking water supplies, including any associated costs of such measures
- develop a strategy if Canterbury councils are asked for information through the Havelock North Inquiry process.

## **Membership**

- 3 The Reference Group comprised representatives from Environment Canterbury, all Canterbury councils and the Canterbury District Health Board (CDHB) Medical Officer of Health and Drinking Water Assessors. Council representatives included water supply engineers, consents officers and water scientists. Appendix A provides a summary of the roles and responsibilities for each partner agency.

## **Progress milestones**

- 4 The Reference Group members shared information and provided key contributions to pre-meeting agendas and draft reports by email.
- 5 Four meetings took place since the formation of the Reference Group, on 4 and 14 October, 7 November 2016 and 12 May 2017. The most recent meeting affirmed the continuation of the CDWRG and affirmed a set of workshop themes.
- 6 The first meeting clarified that the group's focus was primarily on quality of drinking water. Water quantity was discussed, and given the timeframe for the work, the group agreed that water quantity issues would be limited to recommendations for future work. The Terms of Reference were also affirmed (Appendix B).
- 7 An overview of current regulation throughout the region was collated. It was affirmed that all councils and authorities are aiming to comply with the Health Act. Attention to some details, e.g., consenting across authorities, can be improved.
- 8 Each territorial authority provided exemplars of their contingency plans to share across the region for learnings; it was agreed that regular sharing would enable the creation of best practice approaches.
- 9 The CDHB representatives compiled a Summary Table for Status of Drinking-Water Supplies (Appendix C) that identified the status of the community drinking water networked supplies by territorial authority. The table is based on a snap shot in time and a compliance document. It does not reflect any changes during this period of time but a new table is prepared on an annual basis. The table will be used to inform implementation action throughout the course of the year.

- 10 Environment Canterbury reviewed its progress against the Drinking Water targets within the Canterbury Water Management Strategy (Appendix D) and determined areas where further enhancements could be made.
- 11 A contingency planning workshop was held, enabling the preparation of a draft set of principles (Appendix E). It was affirmed that regular cross-region meetings to progress actions related to the summary table of drinking water supplies, alongside updating practices and contingency planning, would contribute to a best practice approach. Initial frequency to be quarterly with reduction to six-monthly once completion of key actions and the Havelock North Inquiry are complete.
- 12 It was agreed that communication between agencies was vital to ensuring the accurate and timely exchange of information. A copy of a Drinking Water Advisory Communication Toolbox from the United States Environmental Protection Agency and other public health and drinking water agencies was shared with the Reference Group to assist with providing a protocol and practical Toolbox for communicating with stakeholders and the public about water advisories.
- 13 We acknowledge the work of the territorial authorities, regional council and CDHB. The CDWRG has enabled enhanced relationships, clarity of priorities and help identify tasks for an action plan.
- 14 The Government Inquiry into Havelock North Drinking Water was to have two stages, with Stage 1 being completed by 31 March 2017. However, the Inquiry was extended with Stage 1 scheduled to be concluded by 12 May and Stage 2 by 8 December 2017. On 10 May the Stage 1 Report was released. Appendix F provides highlights and key findings. It is worth noting that Stage 1 addressed matters relating directly to the Havelock North water contamination incident and the response to that incident. As noted it included findings of fact and fault. Following Cabinet approval, Stage 1 has been reported back to the Attorney-General.
- 15 Stage 2 will address systemic issues and provide recommendations about managing water supply across New Zealand. It will examine the existing statutory and regulatory regimes involved in delivering drinking-water to see if improvements can be made. Stage 2 of the Inquiry is now due to be reported back to the Attorney-General by 8 December 2017. A Minute (Appendix G, Minutes No 7) is seeking suggestions for topics to be considered in Stage 2. The deadline for this is 19 May. These were discussed at the 12 May CDWRG meeting. The CDWRG agreed by consensus that the minutes 'matters for consideration under the Terms of Reference' (4(a) to (h) are appropriate with the addition of a further suggestion stating 'recognition of the economic implications of any Stage 2 recommendation'. These were socialised with the Chief Executives Forum for affirmation. At the time of writing it had not been agreed whether the CDWRG recommendation would go forward or each organisation would submit its own. The outcome of this action can be updated at the Mayoral Forum.
- 16 It is anticipated that Stage 2 recommendations will inform future policy options across Councils throughout New Zealand. An opportunity for the group to comment or provide submissions is likely during or after Stage 2.

## **Suggested future actions**

- 17 We recommend the retention of the CDWRG to complete the following:
  - 17.1 in light of the release of the Havelock North Stage 1 report outline key findings, assess against CDWRG findings to date, and determine priority next steps
  - 17.2 take learnings from the Havelock North Inquiry giving practical effect including the consideration of financial implications
  - 17.3 generate a final, best practice contingency plan for use in emergency or other contamination events
  - 17.4 agree a shared definition of high-risk drinking water supplies using standardised criteria
  - 17.5 review and, if appropriate, draft a submission/response to the Stage 2 of the Government's Inquiry into Havelock North Drinking Water, once available
  - 17.6 refine the necessary improvements in regulatory compliance actions across councils
  - 17.7 provide an annual update on the status of Drinking Water supplies and their cross-organisational management to the Chief Executives Forum and the Canterbury Mayoral Forum.

## Appendix A: Roles and responsibilities

The District Health Board, territorial authority and regional council each have a responsibility for protecting community drinking water supplies.

**Regional councils** ensure quality at source (in/on the ground) and monitor/test to understand the region's water. The regional council regulates activities that may impact water quality and must comply with the National Environmental Standards for Sources of Human Drinking Water. Environment Canterbury administers the statutory framework for sources of drinking water through the Land and Water Regional Plan and the Regional Policy Statement. Environment Canterbury policies restrict activities over areas where water is directly extracted or is recharging.

**Territorial authorities as water suppliers** are responsible for the quality of drinking water supplied by the TA, including storage and distribution, management of network/infrastructure, managing any treatment regime as required, testing and monitoring for consumption, risk management, response plans for each of their supplies, and alerting consumers and health authorities in the event of contamination. As Water suppliers the TAs also have a *“duty to take reasonable steps to contribute to protection of source of drinking water”* under 69U of the Health Act. In addition under the Building Act TAs are responsible for ensuring that potable water is available in all buildings whether they are responsible for providing the drinking water or not.

**District health boards** through the responsibilities of their drinking water assessors and other authorised officers including the Medical Officers of Health, oversee the impact of water quality on public health. They assess suppliers' compliance with standards and legislation, assess suppliers' water safety plans for approval and implementation, support suppliers to improve water quality, enforce Health Act provisions, receive and follow up disease notifications, investigate disease outbreaks, and work with suppliers to inform consumers of any risk to health.

# Drinking Water Quality

## Environment Canterbury

- Regional picture
- Monitor/test to understand region's water
- Issue consents for activities that may impact on water quality
- NES\* (2008) – no activities that make supplies unsafe after existing treatment
- Protection zones identified
- Enforce consent compliance

\* National Environmental Standard for Sources of Human Drinking Water

## Territorial Authority

- Supply, storage and distribution
- Manage network /infrastructure
- Treatment regime as required
- Test/monitor for compliance
- Risk Management and Response Plans for each supply
- Alert consumers and Health Authorities in event of contamination

## District Health Board

- Oversee impact of quality on public health
- Assess suppliers' compliance with standards and legislation
- Assess suppliers' water safety plans for approval and implementation
- Support suppliers to improve water quality
- Enforce Health Act provisions
- Receive and follow up disease notifications
- Investigate disease outbreaks
- Work with suppliers to inform consumers of any risk to health

Quality at source (in/on the ground)

Quality out of the tap

Impact of quality on public health

## **Appendix B: Canterbury Drinking Water Reference Group (Terms of Reference)**

### **Purpose**

In light of the Government Inquiry into Havelock North Drinking Water, the Chief Executives Forum sought to have a short-life Canterbury Drinking Water Reference Group created. The Reference Group is to report on the vulnerability of drinking water supply in Canterbury, note contingency plans and recommend any amendments to current practice as may be required.

In particular, there is a need to:

- (1) Review compliance in the Canterbury region with current regulation;
- (2) Identify high-risk drinking water supplies, alongside current measures/plans to mitigate or eliminate these risks;
- (3) Review contingency planning and preparedness for contamination response;
- (4) Review and develop recommendations on any other measures that may be required to ensure the security of drinking water supplies, including any associated costs of such measures; and
- (5) Develop a strategy if Canterbury councils are asked for information through the Havelock North Inquiry process.

### **Membership**

The reference group will comprise representatives from:

- Environment Canterbury
- Canterbury councils
- Canterbury District Health Board, Medical Officer

### **Reporting and timelines**

Meeting frequency will be determined by the Reference Group and reporting dates are:

- 31 October Report to Chief Executives Forum
- 25 November Report to Mayoral Forum
- 24 February Substantive report to Mayoral Forum  
(timeline shifted by agreement)

**Appendix C: Summary Table for Status of Drinking-Water Supplies, by TLA (based on compliance data for 1 July 2015 – 30 June 2016)<sup>1</sup>**

District	Number of Council operated supplies	Number of Treatment Plants	Bacterial compliance of Distribution zones	Protozoa compliance (All treatment plants should have protozoa compliance either through secure ground-water or appropriate treatment)		Disinfection barrier (in place, not necessarily part of compliance)	Chemical comments	Water Safety Plans (WSP) approved	Comments	Key Private supplies and issues
				Treatment	Secure Ground Water					
Ashburton	12	12	11 out of 12 compliant	0 <sup>1</sup>	7	12	4 supplies have P2 of nitrate	6 out of 12	<sup>1</sup> 2 supplies confirmed as RADWS  UV installed at some plants but not demonstrating compliance	Highbank: Nitrate issues, UV barrier but not protozoa compliant Lyndhurst (SGW but no DZ testing)
Christchurch	11	14	16 out of 17 compliant	0 <sup>1</sup>	8	4	Nitrate in Northwest Chch lead to Wrights Rd	8 out of 8 (One combined WSP covers the	<sup>1</sup> Number of BP supplies have upgraded but not	Okains Bay (no barriers)

<sup>1</sup> Note: Information in this table is from CDHB's annual audit. While things may have changed since that audit was undertaken, the data cannot be formally altered until the next audit review.

District	Number of Council operated supplies	Number of Treatment Plants	Bacterial compliance of Distribution zones	Protozoa compliance (All treatment plants should have protozoa compliance either through secure ground-water or appropriate treatment)		Disinfection barrier (in place, not necessarily part of compliance)	Chemical comments	Water Safety Plans (WSP) approved	Comments	Key Private supplies and issues
				Treatment	Secure Ground Water					
							bores now off line	Christchurch/ Lyttelton supplies)	demonstrating compliance.	Chch Hospital and PMH on own supplies Chch Int. Airport Ltd
Hurunui	19	20	15 out of 20 compliant	0	4	15		15 out of 19	Cyanobacteria management plan needed for surface supplies linked to rivers that experience algal blooms Hanmer Springs – treatment is capable of compliance (technical issues)	Mt Lyford Village (no barriers). Submitted WSP but not approved.
Kaikoura	5	5	2 out of 8 <sup>1</sup> compliant	0	1	5		5 out of 8	<sup>1</sup> Three supplies assessed under S10 of DWS did not comply Several KDC supplies damaged (source and reticulation	

District	Number of Council operated supplies	Number of Treatment Plants	Bacterial compliance of Distribution zones	Protozoa compliance (All treatment plants should have protozoa compliance either through secure ground-water or appropriate treatment)		Disinfection barrier (in place, not necessarily part of compliance)	Chemical comments	Water Safety Plans (WSP) approved	Comments	Key Private supplies and issues
				Treatment	Secure Ground Water					
									issues) following earthquake(s)	
<b>Mackenzie</b>	6	6	5 out of 7 compliant	0 <sup>1</sup>	0	4		3 out of 5	<sup>1</sup> Twizel and Tekapo upgraded but not demonstrating compliance	
<b>Selwyn</b>	30	38	23 out of 27	0 <sup>1</sup>	13	9	Nitrate as a P2 in four supplies	30 out of 30	<sup>1</sup> Validated UV installed at some plants but not demonstrating compliance	
<b>Timaru</b>	14	15	19 out of 20	3	0	14	Nitrate as P2 for 1 supply	12 out of 14	one supply on permanent BWN	
<b>Waimakariri</b>	16	22	16 out of 16	0	6	9	Nitrate as a P2 for 1 supply	15 out of 16		
<b>Waimate</b>	7	9	5 out of 7	0	2	7		4 out of 7	Otaio/Makakihi now provisional SGW. Treatment issues hindering treatment upgrades at Hook/Waituna and Lower Waihao	Hakataramea Valley Rural. Non-compliant bacterial and protozoa.
<b>Waitaki</b>	16	24	20 out of 25	2		11 out of 16		7 out of 16		

The data used to populate the compliance columns of this table is taken from the *Report on Compliance with the Drinking-water Standards for New Zealand 2005 (revised 2008) and duties under the Health Act for the period 1<sup>st</sup> July 2015 – 30<sup>th</sup> June 2016* prepared for each Council by the drinking water assessor in August 2016 to cover the networked supplies owned by that council (these reports are usually sent to asset manager level in a council, but in 2016 the reports were also sent to the council CEOs) . The information in these reports is also provided to the Ministry of Health via ESR and forms the basis of the *Annual Report on Drinking water Quality*. The 2015-2016 Annual report was released by the Ministry of Health on 12<sup>th</sup> April 2016 and is available on their website along with previous reports.

An individual supply is a combination of source(s), treatment plant(s) and distribution zones. Even though in Canterbury there are several supplies that do not have treatment they still technically have a 'treatment plant' point where compliance monitoring is undertaken before the water enters the distribution zone(s).

To obtain protozoa compliance a 'treatment plant' must either be provided by water considered to meet the 3 criteria under the Drinking Water Standards to be considered a secure source or by treatment that demonstrates it complies and delivers the required level of treatment based on an assessment of the catchment.

Disinfection barrier information is based on a survey undertaken in August 2016 for the Ministry of Health and only covered supplies >100 people.

## Appendix D: Canterbury Water Management Strategy Drinking Water targets

Target Theme	Target Area Year	Target Description
<b>Source water quality targets</b>	2020	There is an increase in the percentage of the population supplied with water that meets the New Zealand Drinking Water Standards for health based determinants
	2020	A demonstrable decrease in nitrate concentrations in shallow groundwater in priority areas is achieved
	2010	No new activities in a drinking water catchment that reduce access to sufficient quantities of drinking water supplies
	2010	Prevent further decline in source water quality for those communities that currently have to treat drinking-water, such that this requires increased level of treatment or monitoring requirements
	2010	For those communities that currently have access to untreated and safe drinking water, implement actions to ensure the source water quality remains high enough to meet the current Drinking Water Standards for New Zealand without treatment
<b>Emerging contaminant risks</b>	2040	Understood any emerging contaminant risks and identified any at risk areas for targeted management and a remedial programme underway
	2020	Understood any emerging contaminant risks and identified any at risk areas for targeted management and a remedial programme underway
	2015	Emerging contaminant risks are understood and any at risk areas identified for targeted management, and a remedial programme underway
<b>Catchment nutrient loads (Drinking Water)</b>	2040	Achieved nutrient efficiency targets for the zone on all new irrigated land and 100% of other rural properties (and of properties within urban boundaries that apply nutrients over significant areas)
	2040	Nitrate levels in community drinking wells are below the maximum allowable value of drinking water
	2040	Average annual nitrate levels in all groundwater wells in Canterbury are below 50% of the maximum allowable value for drinking water
	2020	Achieved nutrient efficiency targets for the zone on all new irrigated land and 80% of other land in major rural land uses (pasture, major arable and major horticulture crops), and have 100% of rural properties working towards those targets (and of properties within urban boundaries that apply nutrients over significant areas)
	2015	Demonstrated, and included in implementation programmes, how land within the zone will be managed to achieve catchment load limits
	2015	Set catchment load limits for nitrate consistent with drinking water quality targets for each zone, identified priority areas where targets are not met and implemented actions to ensure there is no further enrichment

## **Appendix E: Contingency planning workshop draft set of principles**

### **High level agreement:**

- The lead agency in response to any public drinking water incident will be the territorial authority responsible for the supply in question.
- In the event of an incident, other agencies will provide immediate support.
- In the event of an incident, resources will be made available when possible without compromise to another water supply.
- In the event of an incident, key internal and external messages will be shared between agencies to ensure consistency.
- Environment Canterbury will bring the agencies together at six-monthly intervals to keep inventories, knowledge and relationships up-to-date.

## **Appendix F: Key findings of Report of the Havelock North Drinking Water Inquiry: Stage 1**

- In August 2016 some 5500 residents in Havelock North became ill with campylobacteriosis from contaminated drinking water supplied by two bores on the outskirts of town.
- The drinking water was sourced from the Te Mata aquifer under the Heretaunga Plains. It was thought this aquifer was a confined aquifer so no treatment was deemed necessary.
- Brookvale Road bores 1 and 2 were used to access the water from the aquifer and pumped into the reticulation system.
- Heavy rain inundated paddocks neighbouring Brookvale Road causing contaminated water (likely from sheep faeces) to flow into a pond about 90 metres from Brookvale Road bore. The pond water entered the aquifer and flowed across to Brookvale Road bore 1 and into the reticulation system.
- The Inquiry found that the Te Mata aquifer was not confined and was vulnerable to contamination. The aquifer had also been penetrated by a significant number of disused or uncapped bores, leaving it vulnerable to entry from contamination.
- The Inquiry found that the failings, most notably by the Regional Council and District Council, did not directly cause the outbreak, although a different outcome may have resulted.
- Hawke's Bay Regional Council's knowledge and awareness of aquifer and catchment contamination risks near Brookvale Road fell below required standards. It failed to take specific and effective steps to assess the risk of contamination, including through its resource consent processes; its management of uncapped and disused bores in the vicinity; its State of the Environment and resource consent monitoring work; and its liaison with the District Council. It also imposed a generic condition on the water take permits granted to the District Council that did not meet the necessary standards and then failed adequately to monitor compliance with the conditions of the permits.
- Hastings District Council did not learn from past outbreaks and E.coli transgressions. It did not implement the high standard of care required of a public drinking water supplier. Mid-level managers did not provide adequate supervision in this area which also resulted in delays to preparing a Water Safety Plan. Maintenance of plant equipment and record keeping was inadequate and contingency planning was lacking.
- The Drinking Water Assessors were too hands-off in applying standards and did not push the District Council to meet its responsibilities.
- The dysfunctional relationship between the Regional Council and District Council was key to creating a lack of trust, collaboration and ability to work together.
- The two authorities have now partnered with the District Health Board to form a Joint Working Group to improve relationships and focus on the recommendations from the Inquiry to provide clean, safe drinking water for Havelock North and Hastings.
- Until the security of the water source and bores can be assured, treatment of water in Havelock North and Hastings will continue.

**Appendix G: Government Inquiry into Havelock North Drinking Water Minute No. 7, Stage 2 Issues**



**Government Inquiry into Havelock North Drinking Water**

**UNDER THE INQUIRIES ACT 2013**

**IN THE MATTER OF GOVERNMENT INQUIRY INTO HAVELOCK  
NORTH DRINKING WATER**

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**MINUTE NO 7  
STAGE 2 ISSUES**

**1 MAY 2017**

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**MINUTE NO 7**  
**STAGE 2 ISSUES**

**Introduction**

- [1] The Inquiry will shortly report to the Attorney-General in relation to the Stage 1 issues. It now invites submissions from interested persons on topics and issues which should be included in the Stage 2 issues list.

**Approach to Stage 2 Issues**

- [2] The Inquiry's approach to settling a list of issues for Stage 2 will be dictated by the Terms of Reference. All interested persons are invited to review those terms in advance of submitting topics for inclusion. The Terms of Reference are posted on the Inquiry website at <https://www.dia.govt.nz/Government-Inquiry-into-Havelock-North-Drinking-Water-T-o-R>
- [3] A key requirement of the Terms of Reference is to address the prevention of future contamination events, and ways to minimise the risk of such events. As part of this, the Inquiry is required to consider lessons which should be learned from the August 2016 outbreak, and the responses to it.
- [4] Other matters for consideration under the Terms of Reference include:
- (a) any legal or regulatory changes or additions necessary and desirable to prevent or minimise similar incidents;
  - (b) any changes or additions to operational practices for monitoring, testing, reporting on and management of drinking water supplies;
  - (c) any changes or additions to the implementation of drinking water standards;
  - (d) any changes or additions to contingency planning and responses by local and central government;
  - (e) the implementation of contingency plans for responding to water contamination and public health outbreak incidents by relevant agencies;

- (f) any lessons and improvements that can be made in the management of drinking water supply both in Havelock North and more broadly across New Zealand;
  - (g) any lessons and improvements that can be made to local and central government systems or practices to expedite and deal effectively with the identification of public health outbreaks;
  - (h) any improvements that can be made in any future response to emergency events of this nature.
- [5] Attention is also drawn to the exclusions from the Terms of Reference which relevantly include:
- 2 The structural arrangements for local government;
  - 3 Issues relating to water, aquifer and catchment management which are unrelated to the contamination of specific sources of drinking water supplied to Havelock North.
- [6] The list of issues for Stage 2 will also be formulated in light of the Inquiry's findings in its Stage 1 Report. Those findings will be important in delineating the scope of Stage 2 issues.
- [7] Minute No 4 dated 24 November 2016 dealt with Issue 8 (*“What actions or further actions should be taken to ensure the safe supply of drinking water to Havelock North”*). Issue 8 will remain a live Issue throughout Stage 2 of the Inquiry and will be the subject of further investigation and reporting in the Stage 2 Report.
- [8] Taking into account the above matters, all interested persons are invited to provide the Inquiry with submissions on topics and issues which might be included in the List of Issues for Stage 2. These submissions:
- (a) are to be filed (preferably by email) with the Inquiry Head of Secretariat no later than 5.00 pm 19 May 2017;
  - (b) are to be brief and in the form of a list only; reasons for suggested inclusion, and submissions on the merits of each issue are not required at this stage (but will be sought later);

- (c) the suggested issues must fall within the Terms of Reference and also be relevant in terms of the Inquiry's Stage 1 findings and Report.

[9] After considering the submissions from interested parties, the Inquiry will settle a List of Issues for Stage 2 and will then issue a further Minute setting out the process which the Inquiry will follow. Current expectations are that written submissions will be requested, and that there will be only a limited need for public hearings. Advance notice is given that 27, 28 and 29 June 2017 are possible dates for any public hearings that may be needed. A further hearing date may need to be allocated in August 2017. These dates, and other directions, will be confirmed in the further Minute to be issued after 26 May 2017.

For the Inquiry Panel

Hon L L Stevens QC

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**Date:** 26 May 2017

**Presented by:** To be taken as read

## **Canterbury Water Management Strategy update**

### **Purpose**

This paper updates the Canterbury Mayoral Forum on the Canterbury Water Management Strategy (CWMS).

### **Recommendations**

That the Canterbury Mayoral Forum:

- 1 **note** the progress report on the CWMS.

### **Progress report**

#### **CWMS Zone and Regional Committees**

- 1 All committees have approved an Annual report to the community for the 2016 year. These are being presented to Councils and to Ngāi Tahu Rūnanga.
- 2 This year has seen Ashburton and Waimakariri 'refresh' selection processes undertaken. No further routine refresh selection processes are planned for this year. Most zone committees will require a selection process next year.

#### **CWMS 2020 Targets Reporting**

- 3 The biennial CWMS Target Progress report is due at the end of June 2017. Data is being collated and will be shared at the August Mayoral Forum meeting.

### **Infrastructure**

#### **Ministry of Primary Industries and Crown Irrigation Investments Ltd**

- 4 CWMS infrastructure personnel are actively engaging with both the Ministry of Primary Industries (MPI) and Crown Irrigation Investments Ltd (CIIL) over access to funding support for investigation of Canterbury infrastructure concepts.

### **Hurunui-Waiiau**

- 5 On 7 October 2016 Hurunui Water Project (HWP) submitted its application to CIIL's Regional Irrigation Development Fund for funding assistance for its feasibility phase programmed to occur over an 18-month duration. HWP has identified approximately 15,000ha of demand south of the Hurunui River and are investigating larger in-scheme storage as an additional supply solution. HWP has entered into an Early Contractor Involvement basis with Rooney Earthmoving and a funding agreement with the Irrigation Acceleration Fund.

- 6 Amuri Irrigation Co. Ltd (AIC) expects to commission a 130km pipe network by September 2017. This will substantially reduce distribution water losses and energy use.
- 7 Emu Plain scheme is contracted with the Irrigation Acceleration Fund (CIIL) for pre-resource consent application investigations. This contract has been extended to October 2017 following the nearby earthquakes.

### **Waimakariri**

- 8 An interim decision from the Environment Court on the Waimakariri Irrigation Ltd (WIL) 8.2Mm<sup>3</sup> storage resource consent appeal, issued on 7 September 2016, indicated "Court at this stage not able to indicate whether consent will be forthcoming or not" and requested further information and evidence from WIL. WIL's resulting Emergency Plan was reported to the Court in March and has been forwarded to the other party.

### **Selwyn Waihora**

- 9 Central Plains Water Ltd (CPWL) Sheffield scheme and Stage 2+ is underway (September 2017 completion).
- 10 During the 2015/16 irrigation season, CPW Stage 1 resulted in 75% (60Mm<sup>3</sup>) of groundwater in the area being replaced by scheme water. Electricity disconnections from CPW Stage 1 shareholders now exceed 7 megawatts (March 2017) with a similar capacity connected but not used.
- 11 The Targeted Stream Augmentation (TSA) project is in construction for solar-powered groundwater supply of the Selwyn River tributary upstream from Chamberlains Ford.
- 12 A Freshwater Improvement Fund application has been lodged for the Selwyn/Waikirikiriri Near River Recharge concept utilising the CPW 2+ pipeline.

### **Ashburton**

- 13 Rangitata Diversion Race Management Ltd (RDRML) lodged consents for a 53Mm<sup>3</sup> maximum volume storage facility at Klondyke, plus an additional take of 10M<sup>3</sup>/s from the Rangitata River at high levels. The consent hearing has been delayed to October 2017 so that fish exclusion and seismic matters can be considered further.
- 14 Ashburton-Hinds Managed Aquifer Recharge (MAR) pilot project is underway. Monitoring results confirm a substantial rise in ground water levels, along with a drop in nitrate levels at some sites.
- 15 Stage 1 of the south Hinds Near River Recharge infrastructure will start construction this month.
- 16 Submissions closed in early April 2017 for Barrhill Chertsey Irrigation's resource consent application for a 1.6Mm<sup>3</sup> Akarana storage pond near Methven.
- 17 Ashburton Lyndhurst Irrigation (ALIL) expect to complete piping of their 30,000ha scheme by September 2017. ALIL also obtained resource consent to increase their storage dam volume by 20,000m<sup>3</sup>.
- 18 Mayfield-Hinds Carew Ponds have now received their Certificate of Compliance.

## **South Canterbury**

- 19 Hunter Downs Water Ltd (HDWL) issued a Product Disclosure Statement with a final extended formal closing date of 28 April. The HDWL Board was inviting additional offers of interest until 15 May.
- 20 The OTOP coastal zone water resource study has concluded and a follow-up Irrigation Accelerated Fund project is under negotiation with CIIL (and possibly MPI) to develop concepts to supply water to replace water that will no longer be available from aquifers and hill-fed rivers. The current project scoped a north zone scheme to provide high reliability 'top-up' water to replace current groundwater abstraction (and some Opuha-supplied Kakahu scheme irrigators). It also identified an extension to this scheme to supply the Levels Plain scheme, thus allowing Lake Opuha additional upper catchment supply. The new project will provide initial design and costs for these concepts. The current project also identified the importance of operating Lake Opuha to its design maximum and building more on-farm storage to maintain reliability in dry seasons.

## **Water use effectiveness and efficiency**

- 21 Opportunities to encourage effective and efficient use of water are integral to good infrastructure practices. A work programme with Irrigation NZ as a key partner involving industry organisations, research agencies and other relevant parties continues to evolve. A particular success has been a programme of field testing water distribution efficiency in on-farm systems in Ashburton District. This work has accelerated uptake of practical and relevant water efficiency approaches as part of a "SMART Tips and tools" Sustainable Farming Fund project supported by MPI, ECan and other parties.

## **Regional planning**

- 22 The Canterbury Regional Policy Statement has strong references to the CWMS and provides ongoing statutory support for the vision and principles of the CWMS. The LWRP is now operative, and sets outcomes and limits for water quality for urban and rural water bodies that can be adjusted at local level as sub-regional chapters are added. A number of separate catchment plans are also in place and are being reviewed progressively between now and 2025.
- 23 The Omnibus Plan Change to the LWRP (Plan Change 4) was made operative on 11 March 2017. The Plan Change covers a range of issues and applies throughout Canterbury, including in areas where a sub-region section of the LWRP has been developed.
- 24 A change to the LWRP that revises the regional level approach to farm nutrient management, and incorporates nutrient discharges based on industry agreed Good Management Practices, was notified on 13 February 2016 (Plan Change 5). The hearing has now closed and deliberations are underway, with a decision expected in May/June 2017.
- 25 Work continues on developing local solution packages with the Zone Committees and then reflecting the solutions in sub-regional chapters. The table below outlines the current status of all sub-regional processes.

Zone	Progress	Next steps
<b>Selwyn Waihora</b>	Selwyn-Te Waihora Plan Change 1 to the LWRP made operative from 1 February 2016	Implementation
<b>Ashburton</b>	Three High Court appeals received on the Hinds Plan Change 2 to the LWRP; one appeal (Federated Farmers) has been resolved by Court order; discussions ongoing on other appeals (Barrhill Chertsey Irrigation and Rangitata Diversion Race)	Operative date depends on resolution of appeals
<b>Waitaki catchment (Upper and Lower Waitaki Zones)</b>	All changes to the Waitaki Catchment Water Allocation Plan are now operative	Implementation of Plan Change 3 including consent reviews
	Decision on the South Coastal Canterbury Plan Change 3 to the LWRP notified 1 October 2016; one appeal (Federated Farmers) received, discussions ongoing.  This plan change provides a mechanism for updating limits following OVERSEER version changes. Updated limits in response to the November 2016 update are available on the ECan website.	In appeal period at time of writing
	Waitaki Plan Change 5 to the LWRP notified on 13 February 2016	The hearing has closed and deliberations are underway, with a decision expected in May/June 2017.
<b>Banks Peninsula</b>	Wairewa Plan Change 5 to the LWRP made operative 1 February 2017	Implementation of Wairewa Plan Change 6 and progressing on-the-ground actions
<b>Orari-Temuka-Opihi-Pareora</b>	Currently in collaborative process led by Zone Committee to develop package of actions for freshwater management, including recommendations for a sub-region plan change and for on-the-ground actions	'What if' scenarios for greater water efficiency and new alpine water are being explored with public workshops in May 2017, followed by development of a solutions package, and notification of a sub-region plan change in 2018 alongside implementation of on-the-ground actions
<b>Waimakariri</b>	Currently in collaborative process led by Zone Committee to develop package of actions for freshwater management, including recommendations for a sub-region plan change and for on-the-ground actions	'What if' scenarios for water management have been explored in public workshops, followed by development of a solutions package, and notification of a sub-region plan change in 2018 alongside implementation of on-the-ground actions
<b>Hurunui Waiau</b>	Setting up for a collaborative process, looking at water management across the zone, including existing plans. Process design now mindful of the impact of the earthquakes in the northern part of this zone.	Collaborative process has begun; notification of a plan change in 2019 alongside implementation of on-the-ground actions

### On-the-ground action: ZIP delivery

26 Up to April 2017, \$5.9 million has been approved for 325 projects under the CWMS *Immediate Steps* biodiversity programme. Key projects include pest control to improve

river bird habitat on braided rivers on the Upper Rangitata, Rakaia and Clarence Rivers. *Immediate Steps* is also supporting ongoing restoration at Te Waihora and Wainono Lagoon and projects to support the recovery of native biodiversity as a result of the Port Hills fires.

- 27 Environment Canterbury established Zone Delivery teams to focus resources on delivering to each Zone Committee's Zone Work Programme. Each Zone Work Programme covers a wide range of objectives set out as 'five-year outcomes' that contribute to CWMS targets. Activities include biodiversity enhancement and protection, improving on-farm practices, and specific local projects on local water bodies.
- 28 Zone Managers have been in place for approximately 16 months. Each Zone Manager leads a team, comprising staff with expertise in biodiversity, land management, extension and compliance. Zone Managers co-ordinate and report on the Zone Work Programme to their Zone Committee on a quarterly basis, and progress is published online.
- 29 Environment Canterbury have recently installed a new Zone Manager position in the Lower and Upper Waitaki zones. The Zone Managers are:

<b>Name</b>	<b>Zone</b>	<b>Location</b>
Andrew Arps	Waimakariri	Tuam St, Christchurch
Kevin Heays	Kaikōura	Kaikōura
Leanne Lye	Hurunui, Waiau (during earthquake response )	Amberley
Michael Hide	OTOP	Timaru
Chris Eccleston	Lower Waitaki, Upper Waitaki	Timaru
James Tricker	Christchurch, West Melton, Banks Peninsula	Tuam St, Christchurch
Janine Holland	Ashburton	Ashburton
Michaela Rees	Selwyn Waihora	Templeton

- 30 Environment Canterbury implemented an Integrated Zone Delivery Pilot in August last year. The pilot was initiated to develop a zone-based integrated delivery approach to monitoring high risk consents, responding to incidents and achieving zone priorities. The pilot also trialled how region-wide and national priorities and work programmes relating to water, biodiversity and land could be integrated into zone delivery work programmes and aligned with zone priorities.
- 31 The pilot staged in the Selwyn-Waihora zone in December 2016 and was tasked with building prioritisation tools, developing an integrated work programme for the zone and delivering the work over a set period of time.
- 32 Environment Canterbury is now in the process of 'rolling out' this approach across the remaining zones by July 2017.
- 33 In addition to the zone-based Zone Work Programmes, Environment Canterbury is updating and establishing new work programmes with key partners (sector groups and key agencies), such as Dairy New Zealand, Beef & Lamb New Zealand, Irrigation New Zealand, Fish & Game New Zealand and the Canterbury District Health Board. The work programmes provide a strong project focus for each of these partners.
- 34 There is a region-wide push to ensure that all Canterbury farms are at industry-agreed Good Management Practice. Practices relating to water quality were developed from the Canterbury Matrix of Good Management project and were first published in April 2015. While intended for use in Canterbury, there is strong central government interest in the

Canterbury approach and the possible use of these Practices as a basis for a nationwide drive.

- 35 Responding to community and stakeholder concerns around stock in waterways, Environment Canterbury staff have developed a robust framework in which to respond and manage these issues. Significant improvement in performance against targets include:
  - The number of Infringement fines issued had more than doubled; and
  - All significant breaches had been responded to.
- 36 The water use compliance programme is currently in a transition phase of implementing the newly acquired data management system enabling daily monitoring from around 4000 water takes with input from all groups within the organisation. Last year there were a number of significant achievements delivered including:
  - all water takes are either now metered or have an action plan in place
  - over 3,500 water take consents were monitored (representing around a 300% improvement from the previous year).
- 37 To date, approximately 2,630 Farm Environment Plans have been completed in Canterbury, with support from industry stakeholders such as Fonterra, Dairy New Zealand, Beef & Lamb New Zealand and the major irrigation schemes.
- 38 We are also seeing strong support from the irrigation schemes that have already audited 250 farms to track progress towards Good Management Practice.

**Date:** 26 May 2017

**Presented by:** Jim Palmer, Chair, Chief Executives Forum

## Chief Executives Forum report

### Purpose

This paper reports on the recent work of the Canterbury Policy Forum, which met on 7 April, and the Chief Executives Forum, which met on 8 May 2017.

### Recommendations

That the Canterbury Mayoral Forum:

- 1 **confirm** that the three-year work programme 2017–2019 (item 8.1) reflects the Canterbury Mayoral Forum’s priorities for 2017
- 2 **note** work underway to identify central government regulatory proposals that may require a regional response in 2017 (item 8.2)
- 3 **note** that two new regional forums have commenced and two new regional working groups will form.

### Progress report

#### Three-year work programme

- 1 Chief Executives worked through the detail of the three-year work programme and updated it to reflect progress since the Canterbury Mayoral Forum meeting on 27 January 2017.
- 2 Mayors are invited to confirm that the updated three-year work programme addresses Mayoral Forum priorities for 2017–19 (item 7.1), noting that CREDS accelerator projects will be added following Ministers’ announcements at the launch on 23 June 2017.

#### Regional submissions 2017–2018

- 3 The Canterbury Policy Forum updated the list of central government regulatory proposals that may require a regional response in 2017 (item 8.2).
- 4 Environment Canterbury led development of a regional submission to the Ministry for the Environment on the Clean Water package.

## **Ngāi Tahu Takutai Moana application**

- 5 Several Canterbury councils recently received notice of a holding action from Ngāi Tahu of an application to the High Court relating to foreshore legislation under the Marine and Coastal Area (Takutai Moana) Act.
- 6 On 7 April 2017, Te Rūnanga o Ngāi Tahu's representative updated the Canterbury Policy Forum on the Ngāi Tahu application and clarified that:
  - it is a requirement that notice be served on all councils with responsibilities in marine and coastal areas
  - Ngāi Tahu expects the process to commence formally in approximately six months' time
  - consultation will take place with Papatipu Rūnanga, landowners, councils, etc., in due course.

## **New regional forums inaugurated**

- 7 As a result of a review of the structure of regional working groups, new arrangements have been put in place to improve effectiveness and ensure alignment with regional priorities.
- 8 The Canterbury Corporate Forum and the Canterbury Operations Forum met for the first time on 1 May 2017. Membership includes chairs of regional working groups and representation from councils across the region. Terms of Reference for the groups were finalised and agreed by Chief Executives on 8 May 2017.
- 9 The new Forums' work programmes will ensure that the region's considerable resources and expertise are used most effectively.

## **New regional working groups**

- 10 The Canterbury Policy Forum and Chief Executives Forum has agreed to the establishment of two new regional working groups to:
  - progress thinking and planning across the region about climate change
  - share knowledge and expertise on compliance, monitoring and enforcement (in response to recommendations made in the Environmental Defence Society report on the role of regional councils).
- 11 Terms of reference are being developed for the groups, which will convene in the near future.

## Mayoral Forum three-year work programme 2017–19

**Objective:** Work together to achieve efficiencies, deliver effective local services, build capability and speak with one strong Canterbury voice.

**Key to acronyms – new acronyms are highlighted**

CCC Christchurch City Council

**CCF** Canterbury Corporate Forum

CEF Chief Executives Forum

CEMG Canterbury Engineering Managers Group

CMF Canterbury Mayoral Forum

**COF** Canterbury Operations Forum

CPF Canterbury Policy Forum

CREDS Canterbury Regional Economic Development Strategy

ECan Environment Canterbury

LGNZ Local Government New Zealand

MBIE Ministry of Business, Innovation & Employment

NES National Environmental Standard

NPS National Policy Statement

WHAT	WHEN	TASK	SPONSOR	LEAD	STATUS / NEXT STEPS
<b>Major Initiatives (to be agreed by Mayoral Forum 2016–19)</b>					
1. Refresh and relaunch the CREDS	30 April 2017	<ul style="list-style-type: none"> <li>re-visit and revise priority actions for 2016</li> <li>identify opportunities to align and integrate the Strategy with the Christchurch Economic Development Strategy</li> </ul>	CMF	Lead Mayors	<ul style="list-style-type: none"> <li>lead Mayors agreed 27 Jan 2017</li> <li>workshop with CREDS reference group 23 Feb 2017</li> <li>funding proposals submitted to Regional Growth Programme Apr 2017</li> <li>refreshed CREDS launch 23 June 2017</li> <li><b>agenda item 4</b></li> </ul>
2. Continue implementation of CREDS	Ongoing	<ul style="list-style-type: none"> <li>implement action plans and report to CMF quarterly and to CREDS reference group six monthly</li> </ul>	CMF	Lead Mayors	<ul style="list-style-type: none"> <li>ongoing</li> </ul>
3. Continue to monitor implementation of the CWMS	Ongoing	<ul style="list-style-type: none"> <li>CWMS reports quarterly to CMF</li> </ul>	CMF	ECan	<ul style="list-style-type: none"> <li>CWMS reported to CMF 27 January 2017, focusing on zone committees and regional committee representation post-local body elections</li> <li><b>agenda item 7</b></li> </ul>
4. Strategic assessment of the case for change in delivery of 3 Waters	May 2017	<ul style="list-style-type: none"> <li>regional assessment of the case for change for 3 Waters using Investment Logic Mapping workshops facilitated by the CCC team by Dec 2016</li> <li>final strategic assessment to go to CEMG for endorsement March 2017</li> <li>final report to CEF April 2017</li> <li>if a regional case for change is identified and agreed, develop business model options (with funding) to deliver desired results</li> <li>defer strategic assessment for Transport until at least Nov 2016 in light of findings to date from Water assessment and other related transport collaborative initiatives</li> </ul>	CEF / Hamish Dobbie	CCC	<ul style="list-style-type: none"> <li>Council representatives appointed (July 2016)</li> <li>endorsement from CEMG 11 Oct 2016</li> <li>reported to CEF 31 Oct 2016</li> <li>reported to CEF 3 Feb 2017</li> <li>reported to CEF 8 May 2017</li> </ul>
<b>Minor to mid-sized initiatives</b>					
5. Stormwater management planning and consenting	Ongoing	<ul style="list-style-type: none"> <li>CEF established a regional stormwater forum in 2014 to improve environmental and community outcomes from urban stormwater network discharges</li> </ul>	CEF	Regional Stormwater Forum	<ul style="list-style-type: none"> <li>reported to CEF 31 Oct 2016</li> <li>reported to CMF 24 Feb 2017</li> <li>Canterbury is represented on national Swimmability Technical Advisory Group</li> <li>report to CEF 31 July 2017</li> </ul>
6. Canterbury drinking water	Feb 2017	<ul style="list-style-type: none"> <li>in response to the Havelock North drinking water contamination incident: report on the vulnerability of drinking water supply in Canterbury, note contingency plans and recommend any amendments to current practice as may be required</li> </ul>	CEF	Bill Bayfield	<ul style="list-style-type: none"> <li>interim report to CEF 31 Oct 2016</li> <li>progress report to CEF 3 Feb 2017</li> <li>final report to CMF due 26 May 2017</li> <li>agenda item 5</li> </ul>
7. Valuation and rating services	Mar 2017	<ul style="list-style-type: none"> <li>establish a valuation and rating programme management group to develop and lead a programme of work to further evaluate opportunities for shared valuation and rating services and progress them</li> </ul>	CEF	David Ward / Bede Carran	<ul style="list-style-type: none"> <li>initial investigation (Ernst &amp; Young) reported to CEF 29 August 2016 and funding approved for stage 2</li> <li>reported to CEF 31 Oct 2016 – on track</li> <li>reported to CEF 3 Feb 2017 – on track</li> <li>reported to CEF 8 May – on track</li> </ul>

WHAT	WHEN	TASK	SPONSOR	LEAD	STATUS / NEXT STEPS
8. Long-Term Plan working group	Jun 2018	<ul style="list-style-type: none"> <li>identify opportunities to work together in developing 2018–28 Long-Term Plans (e.g. population analysis, infrastructure strategies, financial strategies, levels of service, consistency of presentation) – building on collaboration on 2015–25 LTPs</li> </ul>	CPF	David Ward	<ul style="list-style-type: none"> <li>working group met 22 Nov 2016 and reported progress to CPF 2 Dec 2016</li> <li>reported to CEF 3 Feb 2017 – on track</li> <li>reported to CEF 8 May – on track</li> </ul>
9. Health and safety collaboration	Feb 2017	<ul style="list-style-type: none"> <li>re-constitute the ‘virtual team’ as a regional working group reporting to CEF</li> <li>the existing team to prepare terms of reference for consideration by CEF</li> </ul>	CEF	David Ward	<ul style="list-style-type: none"> <li>interim report to CEF 31 Oct 2016</li> <li>ToR agreed by CEF 3 Feb 2017</li> <li>reported to CEF 8 May – on track</li> </ul>
10. Natural hazard risk management	Ongoing	<ul style="list-style-type: none"> <li>monitor natural hazards management reform (including climate change impacts, mitigation and adaptation) and possible emergence of an NPS in 2018</li> <li>prioritise tasks and project leads by Dec 2016 and report progress by May 2017</li> <li>report annually to CEF</li> </ul>	COF	Bill Bayfield	<ul style="list-style-type: none"> <li>regional approach to risk signed off by all councils in May 2016</li> <li>annual report to CEF 8 May</li> </ul>
11. Contaminated land shared services	Ongoing	<ul style="list-style-type: none"> <li>deliver contaminated land technical support shared services to all councils</li> <li>monitor development of NES</li> <li>report progress by May 2017</li> </ul>	CPF	Bill Bayfield	<ul style="list-style-type: none"> <li>cost-sharing arrangements to be reviewed and reported to CEF July 2017</li> </ul>
12. Canterbury Economic Development Co. Ltd	Feb 2017	<ul style="list-style-type: none"> <li>review whether this council-controlled organisation as currently structured is fit for purpose and whether it should be wound up and removed from the Companies Register</li> </ul>	CEF	Bede Carran	<ul style="list-style-type: none"> <li>CEF discussed 29 August 2016</li> <li>discussed with Directors Oct 2016</li> <li>reported to CEF 31 Oct 2016</li> <li>agreed by CMF 24 Feb 2017</li> <li>application made to the Registrar of Companies for its removal from the Register.</li> <li>Councils to agree dissolution of CED Co, and notify Timaru CE</li> </ul>
13. Procurement of business inputs, e.g. insurance, digital transformation and	August 2016	<ul style="list-style-type: none"> <li>identify shared insurance/brokerage options</li> </ul>	CEF	Jim Palmer	<ul style="list-style-type: none"> <li>awaiting outcome of LGNZ review of risk management and insurance arrangements</li> <li>watching brief</li> </ul>
14. ‘Infrastructure as a service’		<ul style="list-style-type: none"> <li>commission a technology working group with Spark, CCL and Revera and refine terms of reference to scope opportunities for a collaborative platform (mobility, networking, cloud services, service management, technology leadership) to deliver better local services (‘infrastructure as a service’)</li> </ul>	CEF	Hamish Dobbie	<ul style="list-style-type: none"> <li>technology working group met to agree terms of reference 7 Oct 2016</li> <li>reported to CEF 31 Oct 2016</li> <li>to be rebooted after earthquake interruption</li> </ul>
15. Build on Canterbury Maps shared service	Ongoing	<ul style="list-style-type: none"> <li>continue bi-annual survey to inform future development and improvements from users</li> <li>improve data sharing and update methods for TAs and other partners contributing data to combined datasets</li> <li>build of 3D tools to enhance user experience by September 2017</li> <li>build an all-of-Canterbury e-Plan application to include all regional and district plans</li> <li>build property search tool – phase II by June 2017</li> <li>identify and develop TA-specific applications</li> </ul>	CEF	Bill Bayfield	<ul style="list-style-type: none"> <li>3-year work programme approved by regional CIOs (reviewed annually) and budget approved by regional CFOs</li> <li>training and support for councils in progress</li> <li>new website work programme completed (contains district council functionality)</li> <li>new launch of mobile application completed</li> <li>Property Search tool – first phase complete</li> <li>CEF requested 8 May an update Jul 2017 on opportunities for further strategic development</li> </ul>
16. Engineering services and common standards	Ongoing	<ul style="list-style-type: none"> <li>investigate opportunities to increase consistency of engineering standards across the region (Engineering Codes of Practice), in order to: <ul style="list-style-type: none"> <li>improve consistency across the region, particularly in relation to subdivisions</li> <li>help contain contract prices (more consistent specifications aid designers and contractors)</li> <li>reduce administrative effort/cost of maintaining the standards</li> <li>share knowledge, systems and resources between councils.</li> </ul> </li> </ul>	COF	Wayne Barnett / CEMG	<ul style="list-style-type: none"> <li>CEMG discussed 11 Oct 2016</li> </ul>

WHAT	WHEN	TASK	SPONSOR	LEAD	STATUS / NEXT STEPS
17. Building control and regulatory co-ordination	Ongoing	<ul style="list-style-type: none"> <li>investigate and progress joint processing and shared resourcing standards, and shared regulatory provision (including food and alcohol licensing)</li> </ul>	COF	Hamish Dobbie / Andrew Dalziel	<ul style="list-style-type: none"> <li>this is being progressed in the north and south of the region, with MBIE</li> <li>regional stocktake to be undertaken by Canterbury Operations Forum</li> <li>The Greater Canterbury Cluster (representing building officials from Ashburton, Waimakariri, Selwyn, Hurunui, and Kaikōura district councils) has just won the 2017 Carter Holt Harvey Innovator of the Year award at the Building Officials Institute of New Zealand 50<sup>th</sup> Annual Excellence Awards in Auckland. Their entry was about the standardised inspection regime they have developed with MBIE.</li> </ul>
<b>Completed items</b>					
18. Collaboration working group		<ul style="list-style-type: none"> <li>identify a project sponsor and project team, and commission this work</li> <li>develop a framework for deciding what to work together on, when and why – and for evaluating the costs and benefits of joint initiatives pre- and post-project</li> <li>clarify the process for deciding what to make joint submissions on</li> <li>review the 3-year work programme and scope likely costs and potential sources of funding and report back to CEF by March 2017</li> <li>develop a formula for a fair apportionment of costs across councils for consideration by the CEF</li> </ul>	CEF	Bill Bayfield	<ul style="list-style-type: none"> <li>working group identified Sep 2016</li> <li>draft report presented to CEF 31 Oct 2016 – referred to CPF meeting 2 Dec 2016 for discussion and feedback to CEF meeting on 3 Feb 2017</li> <li>endorsed by CMF 24 Feb 2017</li> <li>complete</li> </ul>

**Date:** 26 May 2017

**Presented by:** Bill Bayfield

## Regional submissions 2017

### Purpose

The table below lists central government legislative changes identified by the Canterbury Policy Forum that may require a regional response in 2017.

The secretariat updates this table for review as a standing item at each meeting of the Policy Forum.

Topic	Timing and status	Lead Council / working group
Marine aquaculture (will now be combined with a NZ Coastal Policy Statement for Aquaculture)	tba	ECan
Clean Water (including changes to the NPS)	28 April 2017	ECan
Air (amendments to the NES)	June-July 2017	ECan
Dam safety	2017, tba	ECan
National Planning Standards	submissions due 31 July 2017	Planning Managers Group (tbc)
Biodiversity NPS	2017–18	ECan
Natural hazards (NPS delivery date expected to be in 2018)	tba	Regional working group
Drinking water inquiry and NES	review underway Stage 2 report due 8 Dec 2017	Canterbury Drinking Water Reference Group



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17 February 2017

By email

**Canterbury Region**

Environment Canterbury	David Bedford Bill Bayfield	Chair CEO
Kaikoura DC	Winston Gray Angela Oosthuizen	Mayor CEO
Hurunui DC	Winton Dalley Hamish Dobbie	Mayor CEO
Waimakariri DC	David Ayers Jim Palmer	Mayor CEO
Selwyn DC	Sam Broughton David Ward	Mayor CEO
Christchurch CC	Lianne Dalziel Karleen Edwards	Mayor CEO
Ashburton DC	Donna Favel Andrew Dalziel	Mayor CEO
Timaru DC	Damon Odey Bede Carran	Mayor CEO
Mackenzie DC	Graham Smith Wayne Barnett	Mayor CEO
Waimate DC	Craig Rowley Stuart Duncan	Mayor CEO
Waitaki DC	Gary Kircher Michael Ross	Mayor CEO
Central Otago DC	Tim Cadogan Leanne Mash	Mayor CEO

Dear Mayors, Chairs and Chief Executives of the Canterbury Region

**Opportunity for your region to benefit from the second Rural Broadband Initiative and the new Mobile Black Spot programme**

I am writing to provide further clarification of the opportunity for your region/district to benefit from involvement in the second phase of the Government's Rural Broadband Initiative (**RB12**) extension and Mobile Black Spot (**MBS**) programme. There is considerable opportunity for you to obtain greater benefit from the programme by taking some relatively simple steps to be involved. This letter outlines the potential benefits and provides further clarity on the process and how to be involved.

Crown Fibre Holdings (**CFH**) has engaged further with Local Government New Zealand (**LGNZ**) to assist in co-ordinating and providing information about the programme, and to ensure that key local government stakeholders are aware of the opportunities and how to be involved.

The Government has recently announced the Ultra-Fast Broadband (**UFB**) extension will include 151 new towns throughout New Zealand which will result in 85% of the population having access to UFB/fibre by 2024.

UFB is a fibre-to-the-premises network suitable for areas with urban density. RBI2 is complementing this by focusing on end-users who are not in urban locations to improve their broadband, with the MBS aimed at resolving gaps in existing mobile phone coverage at key tourist sites and on State Highways.

Improving access to (and the quality of) communications technologies encourages population to stay in their regions/districts, grow businesses and lift economic growth, as well as promoting greater social inclusiveness and a sense of local identity. The RBI2 programme aims to improve outcomes for rural-based businesses and residents. The MBS part of the programme provides opportunities for both local tourism operators and visitors and improved highway coverage for local and visiting motorists.

Both initiatives will benefit New Zealand's key industries of tourism and agriculture.

The \$150 million funding is fully appropriated by Government and the programme will deliver real, tangible benefits for rural New Zealanders. The process is being managed by CFH which has a strong track record for delivering on the Ultra-Fast Broadband programme (and its extension) tender processes and implementation with telecommunications operators.

As you are likely aware, a Request for Proposals (**RFP**) was released in October 2016 to telecommunications network operators to apply for grant funding to deploy telecommunications infrastructure focused on the following two areas:

- \$100 million funding for the second Rural Broadband Initiative, with a focus on end-users receiving less than 20 Mbps broadband speeds; and
- \$50 million funding to cover mobile network 'black spots' across tourist sites and State Highways.

At the same time CFH released an *Invitation to Co-fund and/or Assist (ICFA<sup>1</sup>)* to councils seeking assistance in a number of areas and an indication of any possible co-funding.

The programme provides a number of opportunities for local government to be involved through the ICFA and gain additional benefits for your residents and businesses. At this stage of the process, involvement of councils will assist in realising the potential benefits of the programme to areas in your region/district that need broadband and mobile access the most, and in potentially expanding the coverage of these beyond what would occur without your involvement.

Key areas identified in the ICFA where councils can assist are:

- assisting bidders to bring the cost of their bids down. For example, this could be done by offering to provide discounted access to land or assets in your region/district for the deployment of broadband or mobile infrastructure. Bidders are expected to take these offers into account in preparing their bids, and are likely to favour building on sites where the cost of land rental and power, for example, are minimised or at no cost. This can be achieved by directly advising mobile/tower, national and regional operators as outlined in Annex One. The bidders simply need the information from you to factor into their bids and then if these sites are selected then it would be expected that such arrangements would be finalised. We note we are not expecting councils to enter into formal partnerships with bidders;
- indicating any streamlined consenting process and/or support to operators in the deployment of infrastructure;

<sup>1</sup> Refer to [www.crownfibre.govt.nz/tenders](http://www.crownfibre.govt.nz/tenders), and the links to the [ICFA](#) and the [response form](#) are in the second paragraph.

- providing an indication of priority or preference on the MBS sites and under-served broadband areas identified in the RFP process<sup>2</sup> in your region/area which government could consider as an input when considering coverage within a region; and
- indicating whether you may consider providing some grant funding to extend coverage in your region/area for MBS sites and underserved broadband areas that are not funded with the \$150 million allocation. Only an indication to enter into discussions post-contract awarding in the second half of 2017 is required, although an indication of the amount of possible funding available over the period to December 2022 would assist.

Further detail on the above areas where councils can assist and participate in the programme are set out in Annex One.

### **Opportunity to meet**

Finally, together with some of my team I would like to extend an open invitation to come and meet with you or your executives in March at a regional forum (such as a Mayoral or Chief Executives' forum) to elaborate on the benefits and to discuss your potential involvement in the programme.

We encourage you to respond to the ICFA by 5pm on 3 April if you are interested in participating in the programme.

We welcome any questions in relation to this letter, and again I look forward to hearing whether you are keen to meet. Please contact Nick Manning, General Manager Government and Industry Affairs on [nick.manning@crowdfibre.govt.nz](mailto:nick.manning@crowdfibre.govt.nz) or 09 912 1977.

Yours sincerely



Graham Mitchell  
Chief Executive Officer  
Crown Fibre Holdings

Cc: Tom Hooper, CEO Canterbury Development Corporation

<sup>2</sup> MBS black spots (highways and tourist areas) and RBI underserved areas identified in the RFP process can be found at [www.crowdfibre.govt.nz/tenders](http://www.crowdfibre.govt.nz/tenders).

## Annex One

### Areas where councils can assist and participate as per the ICFA

#### Access to land or assets

As a more detailed list of target RBI2/MBS locations has now been released, regions/TAs or Economic Development Agencies could offer to provide access to land and/or assets close to or within these locations at low, or no cost to any telecommunications operators. This will reduce their cost to provide coverage, hence improving your area's chances of receiving improved service. The list of MBS locations, and end-users eligible for RBI2 that CFH has identified as in scope of the project can be found at <http://www.crownfibre.govt.nz/tenders/> (click on the links below 'Mobile black spot zones for highways and tourist zones' and 'Rural broadband end-users in scope of RBI2 by region (all pdfs)').

A list of contacts for the national network operators in the industry is provided in Annex Two. This is not an exhaustive list as there are a number of local operators in the industry providing fixed and/or wireless broadband. We encourage you to approach any local operator that you are aware of that currently provides service within your region, or if unsure you can ask CFH.

If you wish to provide access to land and/or assets, we suggest that you contact the various operators by mid-March or earlier if possible, in addition to including such information in your response to the *Invitation to Co-fund and/or Assist (ICFA)* if you are providing one.

#### Indicate priority areas or preferences in your region/district

For the mobile black spots and/or rural broadband underserved areas identified in your region, we encourage you to advise us in your response to the ICFA (if you are providing one) of any priority or preferences you have on the areas of importance or value to your community.

#### Assistance in streamlining deployment

Any streamlined consenting or assistance you can provide to operators when they commence deployment in your region/area (including lower fees) should be included in your response to the ICFA, if you are providing one.

#### Co-funding for additional deployment

CFH is unlikely to have sufficient grant funding from central government to cover all the mobile black spots and underserved rural broadband areas. Therefore, to the extent that there would still be remaining mobile black spots or underserved rural broadband areas in your region after contracts are awarded, you could indicate whether your council or Economic Development Agency would have any interest in providing grant funding through CFH to complete coverage of some more mobile black spots and underserved rural broadband areas in your region.

The RBI2 /MBS programme is a five-year programme, so CFH is not expecting a commitment of funds in your response to the ICFA, but rather an indication that you would be willing to discuss this possibility post-contracts being awarded, and preferably an indication of the funding range (but this is not required).

After the award of contracts to successful bidders, CFH will be able to have a dialogue with you on which mobile black spots and rural broadband underserved areas that have not been covered in your region/district, and based on the RFP responses the likely cost to cover these (the contracts will provide for scope expansion of areas/black spots in the RFP which are not being covered). You can then consider to what extent you want to provide any grant funding to cover these areas/black spots and in what priority (and over what time frame up to December 2022). It is also possible for you to nominate additional areas you may wish to fund and CFH can negotiate with contracted operators on the cost to cover these.

## Annex Two

### National Operator Contact List

To realise the opportunities, we are providing you with contact details for the key executives of the national operators in the telecommunications industry, who may respond to the RFP.

We also encourage you to contact the local operators operating in your region. We have contact details for a number of local operators if necessary. If you are unsure about the regional operators in your region/district, or if you wish to discuss this, please contact Nick Manning, General Manager Government and Industry Affairs on [nick.manning@crowdfibre.govt.nz](mailto:nick.manning@crowdfibre.govt.nz) or on 09 912 1977.

Organisation	Contact details
Spark	Chris Dyhrberg, Head of Wholesale <a href="mailto:chris.dyhrberg@spark.co.nz">chris.dyhrberg@spark.co.nz</a>
Vodafone	Juliet Jones, RBI Programme Lead <a href="mailto:Juliet.Jones@vodafone.com">Juliet.Jones@vodafone.com</a>
Chorus	Gretchen Joe, Head of Property Operations <a href="mailto:Gretchen.Joe@chorus.co.nz">Gretchen.Joe@chorus.co.nz</a>
2degrees	Sara Lipanovic, Regulatory Policy Manager <a href="mailto:Sara.Lipanovic@2degreesmobile.co.nz">Sara.Lipanovic@2degreesmobile.co.nz</a>
Pacific Towers	Eleni Pantaridis, CE and Co-Founder <a href="mailto:Eleni@PacificAsiaTowers.com">Eleni@PacificAsiaTowers.com</a>
Teamtalk	Neil de Wit, RBI Project Manager <a href="mailto:neil.dewit@citylink.co.nz">neil.dewit@citylink.co.nz</a>