

Bay of Plenty Civil Defence Emergency Management Group

Annual Report

2018/19



BAY OF PLENTY
EMERGENCY MANAGEMENT

GROUP

In the last year we...

Engaged with **80 communities** to co-develop Community Response Plans/ Marae Preparedness Plans across the Bay of Plenty



389 staff participated in exercises over the year



Received **one national and two international awards** recognising excellence in CDEM



Delivered more than **60 community initiatives**

Reached **90k residents** through Social media platforms and our website/ Bay Hazards



More than **340 council staff** participated in training for CDEM roles



Responded to **5 emergency events**



Provided more than **30 alerts/warnings to the public** through social media

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Foreword

This Annual Report summarises the activities of the Bay of Plenty Civil Defence Emergency Management (CDEM) Group over the 2018/ 2019 financial year against the outcomes of the Bay of Plenty CDEM Group Plan and Annual Plan. It includes activities across the 4 R's of Reduction, Readiness, Response and Recovery and the Group's financial performance.

At a national level, the New Zealand Government has commenced an emergency management system reform programme in response to the Technical Advisory Group (TAG) report. These reforms will strengthen and improve New Zealand's ability to respond (inclusive of readiness to respond) to natural disasters and other emergencies. Key initial activities within this programme of work include the establishment of the new National Emergency Management Agency, the review and update of the Civil Defence Emergency Management Act 2002, and the development of the Emergency Management Assistance Team construct.

At the Bay of Plenty CDEM Group level, we initiated and received a review into the way that we deliver our collective CDEM responsibilities on behalf of our communities. The review identified that we could enhance clarity around our functional roles and responsibilities for more effective and efficient delivery of CDEM outcomes for our communities. This has led to the refinement of our previous Service Level Agreement into an updated Partnership Agreement between the seven council members of the Bay of Plenty CDEM Group and Emergency Management Bay of Plenty.

Operationally, the Bay of Plenty CDEM Group has not had as busy a year in response as the previous year. There have been localised incidents that have been managed effectively by Local Authority members of the Bay of Plenty CDEM Group. The Bay of Plenty CDEM Group has supported other agencies and organisations with their response management, from the fires in Nelson in March 2019, to engagement with the District Health Boards on the nurse's strikes and the Ministry of Primary Industries for their national mycoplasma bovis response.

Looking forward, our next year will be busy implementing the recommendations from the review, focusing on how we can enhance our support to our communities to build their resilience in a shared responsibility manner. We will also continue to focus on enhancing our own capability and capacity to respond on behalf of our communities during responses to ensure that our coordinated efforts with our partners can more effectively meet the needs of communities and individuals who may be affected. We will also continue our efforts to understand how we can enhance the resilience of our communities given the stresses that are being placed upon them through climate adaptation.

Highlights for the year

Emergency Media & Public Affairs Awards

The annual Emergency Media & Public Affairs (EMPA) New Zealand Awards were presented in Wellington on 22 August 2018. The Bay of Plenty CDEM Group won the EMPA NZ Award for Excellence in Emergency Communication – Readiness and Resilience 2018 for the Taiohi-Taiao Youth Jam 2018. Youth Jam 2018 was a joint project between Emergency Management Bay of Plenty and the Bay of Plenty Regional Council Community Engagement Team in which year 11 and 12 students from around the region underwent a 3 day camp aimed at empowering them to be a CDEM Youth Ambassador in their schools.



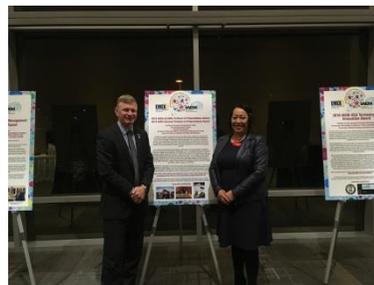
Karl Ferguson, EMPA Committee, and Sam Rossiter-Stead, Bay of Plenty Regional Council
SOURCE: EMPA. AUGUST 2018

Bay of Plenty CDEM Group Independent Review

In March 2018, the Bay of Plenty CDEM Group commissioned an independent review of the arrangements for civil defence emergency management (CDEM) within the Bay of Plenty, focused on readiness and response. The finalised report was provided to the Bay of Plenty CDEM Group at the beginning of November 2018. The Bay of Plenty CDEM Group Coordinating Executive Group Operations Sub-Committee workshopped the review's recommendations to develop a new Partnership Agreement that provides greater clarity on functions, roles and responsibilities of CDEM Group members. The new Partnership Agreement was approved by the Bay of Plenty CDEM Group Joint Committee in June 2019.

International Association of Emergency Managers 2018 Awards

In July 2018, Emergency Management Bay of Plenty and Te Puni Kōkiri were conjointly awarded two awards in the category 'Partners in Preparedness' by the International Association of Emergency Managers (IAEM) for the Marae Emergency Preparedness Project, a partnership



IAEM Annual Conference
SOURCE: EMERGENCY MANAGEMENT BAY OF PLENTY, JULY 2018

between the Bay of Plenty CDEM Group and the Ministry of Maori Development. The project won the 2018 IAEM-Oceania Partners in Preparedness Award and the 2018 IAEM-Global Partners in Preparedness Award. These awards were presented during the IAEM Annual Conference in Michigan, USA, 19 - 24 October 2018.

International Accolades for Bay of Plenty's Risk-based Planning Approach for Natural Hazards

Bay of Plenty Regional Council's innovative risk-based planning approach for natural hazards received international recognition, winning the Commonwealth Association of Planners Outstanding Planning Achievement Award. The Award champions the very best examples of planning practice in the Commonwealth across 180 countries.

The, innovative risk-based planning and engagement for natural hazards won for the way it worked through the change to the Bay of Plenty Regional Policy Statement to better manage natural hazard risk through land use planning. Its development incorporated evolving national guidance and innovative community engagement, and also addressed the needs of stakeholders. The award judges noted the relevance of the project in the context of climate change, hazards and other resilience challenges across the Commonwealth.

The project had earlier won the New Zealand Planning Institute's 2017 Best Practice Award for District or Regional Plans, ahead of other high profile nominations including the Auckland Unitary Plan.



New Zealand attendees of the Cities of Volcanoes 10 Conference
SOURCE: GNS SCIENCE, SEPTEMBER 2018

Cities of Volcanoes Conference

Matt Harrex, Emergency Management Bay of Plenty's Manager Planning and Development represented the Bay of Plenty CDEM Group as chair of the Caldera Advisory Group at the September 2018 Cities of Volcanoes conference in Napoli, Italy, funded by the ECLIPSE research programme.

The conference linked scientists, researchers, emergency managers and response agencies to promote multi-disciplinary applied research to the problems that volcanoes bring to communities. Campi Flegri, the host city for the 2017 conference is a similar

complex caldera system to the Rotorua-Taupō area.

Measuring our progress: our Key Performance Indicators

The three Key Performance Indicators for the Bay of Plenty CDEM Group for 2018/2019 include:

- 85% of an Emergency Operations or Coordination Centre staff roles filled for a 24 hour period
- 85% of Emergency Operations or Coordination Centre staff trained, based on 3 equal parts:
 - Completion of ITF Foundational Course
 - Completion of ITF Intermediate Course
 - Participation in either an Event or Exercise in the last 2 Financial Years
- completion of agreed quantity of community resilience initiatives in accordance with individual Council Long Term Plans:
 - Bay of Plenty Regional Council – 8
 - Kawerau District Council – 4
 - Ōpōtiki District Council – 4.
 - Rotorua Lakes Council - 9
 - Tauranga City Council – 8
 - Western Bay of Plenty District Council – 8
 - Whakatāne District Council – 8.

Overall, the response management capability across the Bay of Plenty Group has 89% of roles filled with 60% trained to the agreed standard. This is a strong position to be in as a CDEM Group, though further focus is needed in the next year in ensuring that all member Local Authorities can meet their expectations from the Civil Defence Emergency Management Act 2002.

No Local Authority met the training KPI for the financial period. Completion of the ITF Intermediate Course, both the 2-day residential component and the online assessment, was the largest obstacle to achieving it. All councils met their community resilience initiatives for the year.



Reduction

Reducing Risks from hazards to acceptable levels

- ▶ Build the community's knowledge and understanding of their hazards and risk so they can make informed decisions
- ▶ Manage natural hazards through a risk based approach
- ▶ Increase the region's environmental and infrastructure resilience

Natural Hazards Programme

The natural hazards provisions of the Bay of Plenty Regional Policy Statement (RPS) require a “risk-based approach” be taken to the management of natural hazards across the region. The Natural Hazards Programme is a key contributor to this process through enhancing our collective understanding of the risk context for our local natural hazards.

The following collaborative research activities were conducted this reporting period as part of the Natural Hazards Programme:

Coastal hazard maps released for Tauranga Harbour

Tauranga City Council and Western Bay of Plenty District Council have updated data on residential files for inner harbour erosion and coastal inundation from storm surge risks for public release. The research considered a range of potential sea level rise scenarios and timelines to plan for the possibilities that may lie ahead for the city.

Active Faults in the Bay of Plenty Region

Bay of Plenty Regional Council partnered with GNS Science and Territorial Authorities to identify and map active earthquake faults of proposed future development growth areas across the Bay of Plenty. No fault traces were found in the high priority future growth areas. However, several potential fault traces were identified in lower priority growth areas. Further work is required to confirm their origin, recurrence interval, and risk.

Lifelines Consequence Assessment Guidance

Bay of Plenty Regional Council has developed guidance on how to determine potential outage times for lifeline infrastructure impacted by natural hazards. This information is now being used for natural hazard risk assessments as part of land use planning analysis.

Eastern Bay of Plenty Tsunami Inundation Assessment

A large earthquake along the Kermadec Trench has the potential to generate the largest tsunami hazard for the Bay of Plenty coastline. Bay of Plenty Regional Council has mapped the maximum inundation water depth from this tsunami scenario for the Eastern Bay of Plenty. The mapping is currently being reviewed. Once finalised, this information will be used to update tsunami evacuation maps and inform land use planning decisions.

Awatarariki Fanhead – Proposed Plan Change 17

The Matatā township was struck by devastating debris flows in 2005. Initial plans for an engineering solution to reduce risk for residents living near the Awatarariki Stream were eventually abandoned in 2012 due to being assessed by experts as being unworkable and unaffordable.



Awatarariki debris flow risk area
SOURCE: WHAKATĀNE DISTRICT COUNCIL, JUNE 2018

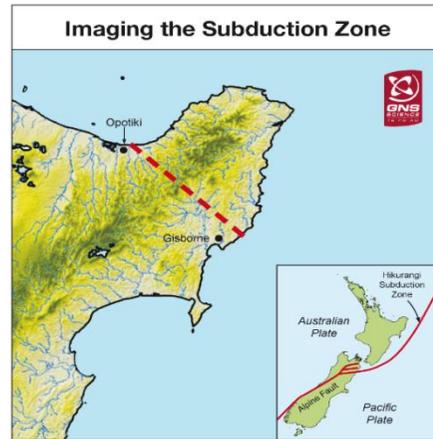
In June 2018, Whakatāne District Council initiated planning provisions for debris flow risk management on the Awatarariki fanhead, Matatā. The planning proposal was initiated as a result of a 2015 risk assessment that identified the risk to life and property from debris flows on the fanhead were high, wherein the Regional Policy Statement requires the risk to be reduced to a lower level (medium, or lower if practicable).

Proposed Plan Change 17 seeks to manage the risk to people's safety on the Awatarariki fanhead by creating policies and rules that will end residential activity on high risk properties within the fanhead, and extinguish existing use rights on those properties.

This has been a long and complex process that has, and continues to have, significant impact on a wide range of people involved, especially those living on the fanhead. .

Hikurangi Fault quake research

Scientists from the University of Texas, United States and New Zealand's GNS Science have been using seismographs at 700 locations between Gisborne and Ōpōtiki to collect valuable insights into the Hikurangi Subduction Zone, the fault that runs under New Zealand's East Coast. The knowledge gained from this research will essentially provide a CAT scan of the Earth's crust as part of attempting to better understand how the Pacific and Australasian tectonic plates are behaving in the Hikurangi subduction zone.



Raukūmara Peninsula seismic recording locations
SOURCE: GNS SCIENCE, MARCH 2019

Electromagnetic survey of Te Arawa/ Rotorua Lakes

An electromagnetic survey of four of the Te Arawa/ Rotorua lakes has been undertaken to assist scientists to build a more complete picture of the geothermal resources and volcanic hazards under the Bay of Plenty. The survey is a joint project involving GNS Science and the Bay of Plenty Regional Council, supported by Te Arawa Lakes Trust and Mokoia Island Trust. The survey was the first time this technique has been used in New Zealand lakes.

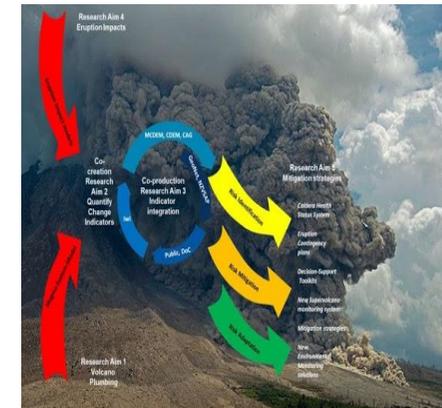


Lake Ōkātina survey activities
SOURCE: GNS Science, March 2019

Caldera Advisory Group/ ECLIPSE Programme

The Bay of Plenty CDEM Group has continued to support the Caldera Advisory Group to identify the risks and potential consequences of caldera unrest and eruption, and co-ordinate the management and mitigation of the effects on behalf of the communities at risk and at the national level.

We have concurrently supported the ECLIPSE Programme; a unique collaborative research project that brings together scientific and emergency management communities alongside local iwi to better understand and manage the risk of living on the most active supervolcano system on earth – the Taupō/ Rotorua caldera complex.



Eclipse Programme research linkages schematic
SOURCE: ECLIPSE PROGRAMME, SEPTEMBER 2018

BayHazards Viewer

A key objective of risk reduction is making hazard information and research easily and freely available to all interested parties so that they can make informed decisions.

The Bay of Plenty CDEM Group has continued to provide and develop the BayHazards Viewer as the 'one-stop-shop' for councils, developers, organisations and individuals to understand local and regional natural hazard risks.

See [BayHazards – Bay of Plenty Natural Hazards Viewer](#)

Readiness

Increasing community awareness, understanding, preparedness and participation

- ▶ Build and improve knowledge and skills within communities and businesses to prepare for, get through and move forward from emergencies
- ▶ Enhance cooperation among key CDEM partners and the community including working with volunteers

Community Response and Marae Preparedness Planning

Community Response and Marae Preparedness Plans are our foundational activities for enhancing community resilience. They are processes that bring communities/ iwi together to plan and prepare for a response to an emergency. The processes are relationship based in building connections and fostering cooperation between friends, family/ whānau, neighbours, and hapū/ iwi with the assistance of Council, CDEM, and other partners.



The following Community Guides to Emergencies, Community Response Plans and Marae Preparedness Plans were completed:

	Tauranga City Council	Western Bay District Council	Whakatāne District Council	Kawerau District Council	Ōpōtiki District Council	Rotorua Lakes Council
Community Response Plans	-	Athenree Katikati Waihī Beach Te Puke	Matatā Waimana	-	-	
Marae Preparedness Plans	-	-	Ōhope	-	-	-

Development of the following Community Guides to Emergencies, Community Response Plans and Marae Preparedness Plans will continue into the next year:

	Tauranga City Council	Western Bay District Council	Whakatāne District Council	Kawerau District Council	Ōpōtiki District Council	Rotorua Lakes Council
Community Response Plans	Otumoetai Bethlehem Welcome Bay Mount Maunganui Pāpāmoa	Ōmokoroa Matakana Island Tanners Point Kauri Point Pukehina Beach Paengaroa Maketū Bowtown Te Puna Wright Road	Thornton Wainui Tāneatua Waiohau	Kawerau Township	Ōpōtiki Township Raukōkore Coast Community	Lake Tarawera Lake Rotoma Mamaku Ngongotahā Waikite Valley Hamurana/ Awahou Lake Ōkāreka Paradise Valley Reporoa
Marae Preparedness Plans	Maungatapu Tamapahore (Pāpāmoa) Tahuwhakatiki/ Rimai (Welcome Bay)	Teawhe (Maketū) Ngāti Mākino Motiti/Te Huinga o Tera Motiti/Tamatea ki te Huatahi	Hahuru Rangitahi/ Painoaiho (Murupara) Na Hapū o Rūātoki Te Rewarewa Taiwhakaea Te Rangihouhiri Puawairua Te Hokowhitua-Tu & Wairaka Wairaka Pupuaruhe/ Toroa Te Pahou/ Rangataua Rewatu	Rautahi	Waiiaua, Omaramutu, Ōpape Roimata Tōrere Maraenui Maromahue Waiōtahe Pakowai Tukaki Kutarere Tūranga Pikitoi Ngaitai runanga	Pounamunui Te Pākira Kearoa Tapuaecharuru Tapuaeakura a hatupatu/ Rakeiao Tarukenga, Huranga te Rangi Otaramarae Te Takinga Taheke Paruahanuanui Waiatuhi Apumoana Tahurangi

The Bay of Plenty CDEM Group also conducted a wide range of community engagement activities, including but not limited to:

- support to Rangitāiki Plains Information Day
- support to Daffodil Day and the Tauranga Emergency Services Foodbank Drive
- presentations/ engagements with more than 60 community groups, marae and business organisations
- community risk awareness and personal preparedness engagement activities at events such as the Kawerau Woodfest, Murupara Community Services event, Eastern Bay AgFest, Eastern Bay Villages Workshop, Bay of Plenty Migrant Expo, EBOP Central Kids combined kindergarten emergency planning workshop and the Tauranga Multicultural Festival
- Whakatāne tsunami hikoī and Ōpōtiki combined schools tsunami hikoī.

Collaborative, community-led resilience in action

Collaboration between Kawerau Neighbourhood Support, Kawerau District Council and Emergency Management Bay of Plenty has enabled a partnered approach to enhancing the resilience of the Kawerau Community. By connecting with other community organisations, the community was able to gain access to funding to promote and implement their Community Response Plan. This community-led initiative is a great success story that shows how pro-active community champions can make a difference to their community's resilience.



Kawerau Neighbourhood Support Emblem
SOURCE: KAWERAU NEIGHBOURHOOD SUPPORT, MARCH 2019

CDEM Youth Ambassadors 2019



The 2019 CDEM Youth Ambassadors Programme was held in Rotorua over 19-20 March 2019. Fifty Year 10-11 students from across the Bay of Plenty came together to gain an understanding of our regional natural hazard risks, and how they can be more engaged in CDEM within their communities and schools. This programme was an extension of the successful 2018 CDEM Youth Ambassador's programme that was run as part of Taiohi-Taiao Youth Jam 2018.

Tsunami Hikoī Week

Two tsunami hikoī events were conducted in Whakatāne and Ōpōtiki districts over 13 and 14 March 2019 respectively. These events were conducted in conjunction with the national tsunami hikoī week (9-15 March 2019) which coincided with the ninth anniversary of the devastating Tōhoku earthquake/ tsunami that impacted Japan in 2011.



Ōpōtiki Primary School hosted Tsunami hikoī
SOURCE: EMBOP, MARCH 2019

Youth Jam 2019



Taiohi-Taiao Youth Jam 2019
SOURCE: BAY OF PLENTY REGIONAL COUNCIL, MAY 2019

Taiohi-Taiao Youth Jam 2019 was held at Keswick Christian Camp, Rotorua over 21-23 May 2019. This year's focus was on climate change, with students participating in workshops, engaging with guest speakers and accumulating knowledge surrounding all the different aspects of climate change and the unique challenges and opportunities it presents to the Bay of Plenty.

The 3-day event provided a collaborative opportunity for rangatahi and climate change experts to share relevant information and skills for raising awareness of climate change. The camp ended with students advising a panel of Council members on actions that should be considered as part of the Bay of Plenty Regional Councils' 'Climate Change Action Plan' that is currently being drafted.

Public Information and Education

Over this reporting period, the Bay of Plenty CDEM Group actively supported the national awareness campaigns on earthquake and tsunami awareness/ personal preparedness.

Shakeout is the international event held across the world to remind people of the right action to take during an earthquake – ‘Drop, Cover, and Hold’ – and to practise a tsunami hikoī (evacuation) in a coastal area.



New Zealand’s ShakeOut took place on Thursday 18 October 2018 at 9:30am. For this year’s event, the Bay of Plenty CDEM Group focussed on encouraging participation by the region’s students and schools. Over 50,000 students (from primary to tertiary) across the Bay took part this year, setting a great baseline to improve upon next year.

The Bay of Plenty CDEM Group also maintained active social media profiles; see:

- Website - <http://www.bopcivildefence.govt.nz/>
- Facebook - <https://www.facebook.com/BOPCivilDefence/>
- Twitter - <https://twitter.com/bopcivildefence?lang=en>

Minimal growth (<1%) occurred across Bay of Plenty CDEM group Social Media and Text Alert subscriptions for the quarter. Current subscriptions are as follows:

- Facebook: 31,403 ↑
- Twitter: 1,511 ↑
- Text Alert: 42,819 ↑

The Bay of Plenty CDEM Group website had 14,308 users, of which 14,233 were new users. Highest number of visitors (2,092) for the year was on 16 June 2019 when a tsunami alert was issued.

Other notable public interactions with our social media platforms and website occurred during our Regional Alerting tests and severe weather events when the Duty System posted advisory/ warning information to the public.



Response

Ensuring an effective response capability

- ▶ Grow the capacity and capability of the Bay of Plenty CDEM Group to respond to emergencies
- ▶ Integrate response planning across CDEM stakeholders
- ▶ Enable the community and CDEM partners to take action by providing good communication networks.

Response activities

The 2018/ 2019 was a year of smaller scale events for the Bay of Plenty CDEM Group. Responses to these events were managed largely by Local Authorities without requiring the activation of coordination centres.

Some non-traditional responses during the year required the Bay of Plenty CDEM Group to support the Ministry of Primary Industries-led Mycoplasma Bovis response, Emergency Management Bay of Plenty to support the District Health Boards during the nurses strike and assist the Ministry of Civil Defence & Emergency Management in obtaining a pan-agency understanding of responses in the aftermath of the Christchurch shootings of 15 March 2019.

More traditionally, the Bay of Plenty CDEM Group deployed seven people to support the Nelson-Tasman CDEM Group in their response to the fires, managed a number of tsunami advisories (including an actual threat in June 2019 where a public notification was issued), and maintained an awareness of the ongoing fluctuations at Whakaari/ White Island.

Whilst there were no declared emergencies, there were:

- eleven separate periods of severe weather (including heavy rain and thunderstorm events) where warnings were disseminated
- six separate tsunami advisories received over the course of the year. One advisory (on 16 June 2019) developed into a warning that was subsequently cancelled. (See below for further details).
- seven separate Volcanic Alert Bulletins issued for Whakaari/ White Island
- twenty-five social media advisory/ warning posts to our communities via Facebook/ Twitter.

The following notable response activities occurred during the year:

Date	Event	Description
July 2018	Nurses strike, Bay of Plenty and Lakes DHBs	The Bay of Plenty CDEM Group coordinated an initial teleconference among members of the Regional Emergency Services Coordinating Committee in advance of the July 2018 nurses strike. This provided the opportunity for the District Health Boards to brief their fellow Regional Emergency Management Coordinating Committee members on planned actions and contingencies in place for the strike. The Bay of Plenty District Health Board and Lakes District Health Board activated their coordination centres for the duration of the strike. The Bay of Plenty CDEM Group deployed staff into each District Health Board's coordination centre as liaison and opportunity to develop closer engagement/ relationships.
July 2018	Severe weather trifecta, coastal Bay of Plenty	In mid-July 2018, a trifecta of heavy rain, gales, and king tides had the potential to inundate low-lying Bay of Plenty coastal areas. The forecast was very similar to the weather event that occurred in the first week of January 2018 that caused damage throughout the region. The Bay of Plenty CDEM Group Duty Group Controller took additional steps to ensure Local Authority Controllers and key stakeholders were aware of potential impacts. The event passed without significant impact.
July to October 2018	Mycoplasma Bovis, Bay of Plenty wide	The Bay of Plenty CDEM Group maintained an awareness of the Ministry of primary Industry-led response efforts, coordinated requests for staff support, and prepared for the possible arrival of mycoplasma bovis in the Bay of Plenty. Active support was stood down in October 2018, with monitoring continuing through our standard duty arrangements.
March 2019	Fire, Nelson/ Tasman	In March 2019, two wildfires started in Pigeon Valley, Nelson necessitating the declaration of a local state of emergency. The fires became the nation's largest fire since 1955, and New Zealand's largest aerial firefight on record with 22 helicopters involved. The Bay of Plenty CDEM Group provided supplementary staffing support to the Nelson-Tasman CDEM Group. Three rotations of staff were deployed to Nelson, each rotation lasting a week. Seven people from across Emergency Management Bay

Date	Event	Description
		of Plenty and the Bay of Plenty Regional Council deployed to support the response. For reasons beyond the control of the Bay of Plenty CDEM Group, there was a very short timeframe given to Councils to provide names of those available for deployment. Of note, within the five-hour deadline, 15 names of staff from across the region were volunteered.
June 2019	Tsunami Warning,	On 16 June 2019, the Ministry of Civil Defence & Emergency Management issued a national warning for a tsunami threat to beach and marine areas. The Bay of Plenty CDEM Group followed set procedures and started notifying the public. The Ministry of Civil Defence & Emergency Management then cancelled the warning eight minutes after it was issued; the Bay of Plenty CDEM Group then set about advising the public of the cancellation. The Bay of Plenty CDEM Group contributed to the Ministry of Civil Defence & Emergency Management - led debrief of this event and are awaiting the report.

Training and exercising

The Bay of Plenty CDEM Group maintained a full training and exercising programme for the year, focussing on preparing our people for working within an Emergency Operations or Coordination Centre. Function specific training was also delivered for Welfare, Logistics and Public information Management roles as the new course material was released nationally.

	CDEM Induction Sessions	Psychological First Aid Training	ITF Coordination Centre Intermediate Course	ITF Delivery of Welfare Services in a CDC	ITF PIM	ITF Logistics	ITF Welfare
	77	32	162	13	22	20	18

Two exercises, Ranginui (Tier 1) and Ngatahi (Tier 2), were conducted this period to provide structured opportunities for Emergency Operations and Coordination Centre (EOC/ ECC) staff to practise the use of the successful Checklist Compendium and embed practises and procedures within their respective EOC/ ECC.

Exercise Ranginui focused on localised responses to severe weather events. This event had participation from 182 personnel from across the Bay of Plenty CDEM Group. Exercise Ngatahi was focused on local and regional responses to an earthquake, with 207 participants.



*Rotorua Lakes Council Emergency Operations Centre
SOURCE: EMBOP NOV 2018*

Integrated response planning and preparation

Work with our partner agencies over the year has highlighted that there are numerous organisational response plans for similar outcomes. Agreement has been achieved amongst the partner agencies to work collaboratively to co-design a response concept of operations that provides greater clarity for all agencies on functions, roles, and responsibilities pre, during and post emergency. The development of the multi-agency response concept will carry over into the next year. A sub-component to this is the follow-on development of Standard Operating Procedures.



CDEM Group Welfare Plan

The CDEM Group Welfare Plan has undergone a robust redesign and consultation process to ensure that the Bay of Plenty complies with its legislative obligations, achieves its objectives and progressing towards its goals and those of the National CDEM Strategy. Over the next year, the Welfare Coordination Group will be operationalising the Welfare Plan through enhancing welfare staff capability and developing emergency welfare service sub-function plans.

Bay of Plenty CDEM Controllers Forum

The Bay of Plenty CDEM Group hosted the annual Bay of Plenty CDEM Controllers Forum in Tauranga on 8 November 2018. Controllers from Kawerau, Whakatāne, Rotorua, Western Bay of Plenty District Councils, Tauranga City Council, Bay of Plenty Regional Council and Emergency Management Bay of Plenty participated. The National Controller, David Coetzee, attended and spoke on the national approach to the 'Emergency Management System Reform'.



*Bay of Plenty CDEM Group Controllers Forum
SOURCE: EMBOP, 2018*

Bay of Plenty CDEM Response Seminar

The Bay of Plenty CDEM Group hosted a Response Seminar in Tauranga on 5 September 2018. The seminar focused on enhancing Bay of Plenty emergency management officials understanding of support agency capabilities and capacities. Our Response Seminars are key professional development activities alongside the Controllers, Welfare and Recovery Forums to strengthen our response and recovery capabilities.



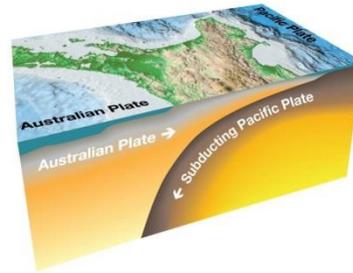
*Bay of Plenty CDEM Response Seminar
SOURCE: EMBOP, SEPTEMBER 2018*

Combined Waikato/ Bay of Plenty PIM Forum

On 13 March 2019, the combined Waikato/ Bay of Plenty CDEM Group's Public Information Managers Forum was hosted in Tauranga. The forum enabled Public information Managers from both CDEM Groups to discuss how information provision to the public before, during and after an emergency could be enhanced.

Hikurangi Response Plan

The Bay of Plenty CDEM Group supported the Ministry of Civil Defence & Emergency Management Resilience Fund Hikurangi Response Plan project year 1 activities, especially the impact and vulnerability analysis of a plausible M8.9 Hikurangi subduction zone tsunamigenic earthquake risk to the East Coast of the North Island. This work will enable further community awareness engagement over next year, as well as development of an initial inter-regional coordination plan between the five most likely affected North Island CDEM Groups to exercise in April 2020.



Hikurangi Trench Image
SOURCE: GNS SCIENCE, 2018



'Volunteer Ready'

The Bay of Plenty CDEM Group commissioned Volunteering Bay of Plenty to conduct a review of how ready our Local Authorities are to engage with and manage volunteers in the emergency management space. The report received will enable the Bay of Plenty CDEM Group to review our current Volunteer Engagement Strategy over the next period to identify relevant ongoing opportunities for engagement of volunteers within CDEM.

Emergency coordination facilities

Throughout the year, upgrades/ refurbishments have been undertaken to the Whakatāne District Council and Rotorua Lakes Council Emergency Operations Centres.

Design of the new Bay of Plenty CDEM Group Emergency Coordination Centre has been supported, with the floor plan being confirmed. The Bay of Plenty CDEM Group have engaged an independent consultant to verify that the facility will meet Importance Level Four (IL4) standards and will still be operational and fit for purpose following a seismic event. Physical development of the new facility is anticipated to occur in the next reporting period.

Equipment and technology

During the year, the Bay of Plenty CDEM Group supported the national Emergency Mobile Alert test and conducted two live-tests of our own alerting platforms. The Bay of Plenty CDEM Group also reviewed its regional warning systems and initiated a project to enhance the quality and speed of our alerting platforms. The Bay of Plenty CDEM Group maintained both regional and local VHF radio networks, testing and maintaining them regularly.

The Bay of Plenty CDEM Group has continued to evolve its use of Geographic Information Systems in support of response management. Efforts have focused on identifying master data sources (both historic natural hazard and baseline data), making data available via web services, and developing dynamic ways to display the data.

The Bay of Plenty CDEM Group supported the Ministry of Civil Defence & Emergency Management on the design/ development of the sector's replacement information management system and common operating picture projects. Emergency Management Bay of Plenty, on behalf of the Bay of Plenty CDEM Group, has a representative on the Ministry of Civil Defence & Emergency Management Project Team. The Bay of Plenty CDEM Group has offered support to the project for its development/ implementation testing.

Support was also provided to the Ministry of Civil Defence & Emergency Management Resilience Fund project that is developing a Disaster Waste Management tool to support response and recovery building waste management planning. This support will continue into next year to operationalise the prototype analytics tool.



Recovery

Ensuring an effective recovery capability

- ▶ Grow recovery capability and capacity within local authorities
- ▶ Foster community networks from response to recovery to ensure communities can establish routines, organise themselves and support each other and develop community response plans
- ▶ Support communities with their recovery by providing ongoing relevant and timely information and support
- ▶ Support CDEM partners with their recovery by providing ongoing relevant and timely communication
- ▶ Integrate recovery planning across CDEM stakeholders

Repairing the damage from 2017 severe weather events

The April 2017 weather events caused damage to 520 sites across the Bay of Plenty river and drainage networks. The Rangitāiki-Tarawera Scheme was the worst affected, accounting for more than half of the \$45m repair budget.

The region-wide repair project has seen damaged sites prioritised, based on the risk of the damage becoming worse, the consequence of that occurring, any impact to community assets, and the practical ability to complete the work required. Repairs have been completed on 119 of the high priority sites by end of August 2018, including 62 on the Rangitāiki-Tarawera River Scheme.



Contractors removing the temporary stop bank
SOURCE: BOPRC, AUGUST 2018

Recovery Forum

A Bay of Plenty CDEM Group Recovery Forum was held on 20 September 2018 in Tauranga. It was attended by Bay of Plenty CDEM Group Recovery Managers, NZ Police, Fire and Emergency New Zealand, District Health Board and Waikato Group Recovery staff. The forum focus was the delivery of a NZ Red Cross 'Recovery Matters' workshop.

A second forum was held 1 May 2019, focusing on refining the workplan for recovery activities and projects out until 2022.

Other significant activities

Bay of Plenty CDEM Group Partnership Agreement

A key recommendation from the Bay of Plenty CDEM Group 2018 Review was updating the roles and responsibilities framework to establish greater clarity around 'who does what'. Over the last half of the year, significant effort has been placed by the Bay of Plenty CDEM Group's Coordinating Executive Group Operations Sub-Committee members into collaboratively developing a new partnership agreement to replace the previous shared services agreement.

The new Bay of Plenty CDEM Group Partnership Agreement was approved by the Bay of Plenty CDEM Group Joint Committee at its June 2019 meeting. The new Partnership Agreement reaffirms the operational arrangements for CDEM within the Bay of Plenty through defined roles and responsibilities of all Councils and Emergency Management Bay of Plenty required under the CDEM Act 2002.

Governance

The Bay of Plenty CDEM Group is governed by a Joint Committee comprised of all the Bay of Plenty's Councils Mayors and the Regional Council's Delegate. The Bay of Plenty CDEM Group Joint Committee met four times during the reporting period.

Management overview for the Bay of Plenty CDEM Group is provided by the Bay of Plenty CDEM Group Coordinating Executive Group. Organisational representation includes:

- Chief Executives of each of the Bay of Plenty CDEM Group member councils
- Fire and Emergency New Zealand, New Zealand Police, St John Ambulance
- Bay of Plenty and Lakes District Health Boards, Medical Officer of Health
- Te Punk Kōkiri
- Bay of Plenty Lifelines Group, Bay of Plenty Welfare Coordinating Group, Bay of Plenty CDEM Group Controller, Bay of Plenty CDEM Group Recovery Manager
- Ministry of Civil Defence & Emergency Management Regional Emergency management Advisor.

The Bay of Plenty CDEM Group Coordinating Executive Group met four times during the reporting period.

Financials

Bay of Plenty CDEM Group	Year ended 30 June 2019	
	\$ Budget	\$ Actual
18/19 Territorial Authority Contributions	1,086,998	1,086,998
BOPRC Contribution	2,310,867	2,310,867
Other Revenue		9,864
Total Revenue	3,396,325	3,403,467
Total Operating Expenditure	3,396,325	2,852,211
Net Surplus (deficit)	1,540	551,256
Bay of Plenty CDEM Group Reserve Account		
Opening Balance	774,486	776,026
Surplus/(deficit) transferred	1,540	551,256
Closing Balance	776,026	1,327,282

The Bay of Plenty CDEM Group financials for 2018/19 are 16% underspent for the year. A considerable component of this underspend is the 4 FTE positions that were not recruited for or filled in 2018/19 due to the service delivery review, development of the new Partnership Agreement (especially the re-alignment of responsibilities for delivery), and the right-sizing of Emergency Management Bay of Plenty to meet its obligations of the new Partnership Agreement. Investment within capability to enhance information integration for more efficient warning and advisories was also delayed, contributing to the underspend.

Bay of Plenty Lifelines Group	Year ended 30 June 2019	
	\$ Budget	\$ Actual
Member contributions	0	(2500)
Total Operating Revenue	40,381	(2500)
Total Operating Expenditure	40,831	8,398
Net Surplus (deficit)		(10,898)
Bay of Plenty Lifelines Reserve Account		
Opening Balance	63,950	63,950
Surplus/(deficit) transferred	(0)	(10,898)
Closing Balance	63,950	53,052

Regional Highlights

BAY OF PLENTY REGIONAL COUNCIL

Flood repairs post 2017 severe weather events

Two extreme weather events in early April 2017 brought prolonged torrential rain to the Bay of Plenty. The resulting record high river levels and extensive flooding caused significant damage to river and drainage networks and assets across the region, from the Kaituna River in the west through to the Waioeka and Otara Rivers in the east. Over 520 sites across the Council's rivers and drainage networks were damaged, with the Rangitāiki-Tarawera Scheme being the worst affected, accounting for more than half of the \$45m repair budget. The entire repair project is expected to take four years.



Contractors removing the temporary stop bank
SOURCE: BAY OF PLENTY REGIONAL COUNCIL, AUGUST 2018

An information day was held at the Rangitāiki Cosmopolitan Club on 31 July 2018 to update the community on the flood repairs, sharing information as part of ongoing public consultation on the Rangitāiki Floodway Project as well as progress on the recommendations in the Rangitāiki River Scheme Review.

The region-wide repair project is on track to have high priority repair sites (37% of total repairs) completed by December 2019. Contractors had completed 119 of the high priority sites by end of August 2018, including 62 on the Rangitāiki-Tarawera River Scheme.

Regional Hazards and Risk Management Special Interest Group

Over 12-13 November 2018, the Bay of Plenty Regional Council and the Bay of Plenty CDEM Group co-hosted the Regional Hazard Risk Management Special Interest Group. Discussions focused on the key issues facing natural hazards risk management around the country. Opportunity was also taken to conduct a field trip around the Bay of Plenty to discuss some of the unique hazard and risk management programmes being undertaken, especially: the ECLIPSE caldera research programme, the April 2017 flood mitigations, the Awatarariki fanhead plan change, and the Pāpāmoa tsunami vertical evacuation structure.

Combined Waikato/ Bay of Plenty CDEM Groups PIM forum

A combined Waikato/ Bay of Plenty Public Information Managers Forum was held on 13 March 2019. The forum enabled Public information Managers from both CDEM Groups to discuss how information provision to the public before, during and after an emergency could be enhanced. Attendance by, and engagement with media at the forum was a key success, enabling greater shared understanding of how CDEM and media can work more collaboratively together.

Community resilience activities

On 31 August 2018, Emergency Management Bay of Plenty supported the Cancer Society Daffodil Day by delivering daffodils across the Tauranga Central Business District and Western Bay of Plenty region whilst concurrently promoting preparedness and encouraging the public to register for text alerts and download the Red Cross Hazards App.



Emergency Management Bay of Plenty support at the Tauranga Emergency Services Food Drive
SOURCE: EMBOP, DECEMBER 2018

Emergency Management Bay of Plenty also supported the Tauranga Emergency Services Christmas Food Drive on the evening of 5 December 2018 alongside New Zealand Police, Fire and Emergency New Zealand, St Johns and community volunteers. All took to the suburbs in response vehicles to collect non-perishable goods from members of the community for local food banks.

On 19 May 2019, Bay of Plenty Regional Council and Emergency Management Bay of Plenty met with Te Whānau a Nuku to discuss how the hapū could be supported across a range of undertakings,

including the development of a Disaster Recovery Plan. The hui was an important initial meeting to build relationships, share knowledge and resources, and promote greater collaboration in a comprehensive manner.

Empowering and engaging regional youth

The Hands-on Water Day, CDEM Youth Ambassadors and Taiohi-Taiao Youth Jam 2019 were three youth centered initiatives that focussed on involving and increasing the awareness of youth on natural hazards and climate change.

The Hands-on Water Day focused on engaging 8-12 year-old students from around the region in interactive activities to learn about the hazards of flood waters and why it is important to store water in case of an emergency.

The CDEM Youth Ambassadors camp engaged students from around the region with information on the natural hazards that the Bay of Plenty is exposed to, along with practical emergency preparedness steps that they could institute at home and within their schools.

Taiohi-Taiao Youth Jam 2019 enabled students to participate in workshops, engage guest speakers and accumulate knowledge on the different aspects of climate change and the unique challenges and opportunities it presents to the Bay of Plenty.

Tier 2 oil spill response exercise

On 19 September 2018, Bay of Plenty Regional Council undertook a Tier 2 Oil spill response exercise in Whakatāne. The scenario was based on a barge carrying several hundred litres of diesel and hazards chemicals running aground at the Whakatāne heads. The desktop exercise was a very effective way to test the region's organisational response capabilities for an oil spill in the Eastern Bay of Plenty.



Tier 2 Oil Response Exercise, Whakatāne
SOURCE: EMBOP, SEPTEMBER 2018

Climate change

As part of Annual Plan 2018/2019 consultation, the Bay of Plenty Regional Council sought community priorities on climate change actions for inclusion within the Bay of Plenty Regional Council Climate Change Action Plan. The action plan contains the first set of initiatives that the Bay of Plenty Regional Council will undertake in response to the challenge of climate change. On 25 June 2019, the Bay of Plenty Regional Council Regional Direction and Delivery Committee adopted the Climate Change Action Plan.

On 27 June 2019, the Bay of Plenty Regional Council agreed to declare a 'climate emergency' and to work with the community on transitioning to a low carbon future and adapting to the changing climate. This decision included investigating a specific Climate Change Fund.

Training and capability development

Bay of Plenty Regional Council personal participated in Exercise Ranginui and Exercise Ngatahi; two one-day emergency response exercises that provided opportunity to embed the knowledge and skills learnt through training in realistic, scenario based environments.

The following courses were also completed by Bay of Plenty Regional Council personal:

- Psychological First Aid Training – 11
- Delivery of Welfare Services in a CDC – 1
- Integrated Training Framework: Intermediate – 29
- Integrated Training Framework: Public Information Management – 4
- Integrated Training Framework: Welfare – 6
- Integrated Training Framework: Logistics – 7
- Bay of Plenty CDEM Group Controllers Forum – 1
- Bay of Plenty CDEM Group Response Seminar – 8.

Insufficient staff completing the ITF Intermediate course (and assessment) over the year prevented achievement of the staff trained KPI target.

% GECC Staff Trained	% GECC Roles Filled	Community Initiatives
64% (Target >85%) 	89% (Target >85%) 	8 of 8 completed

TAURANGA

Natural hazard research

Tauranga City Council, Western Bay of Plenty District Council and Bay of Plenty Regional Council have completed research over this financial period on inner harbour erosion risk that considered a range of potential sea level rise scenarios and timelines. Letters were sent to property owners of the properties within zones identified as susceptible to coastal erosion and instability around Tauranga Harbour. Public information drop in sessions were held around Tauranga to support the community to understand this new set of natural hazard information. A complimentary study on coastal inundation from storm surge was also completed. This study leveraged improved storm surge models and information from the January 2018 storm surge event to model the effects of sea level rise within the harbour as well as inundation risks from significant storm surge events.

Both research projects support a resilience project that is evaluating the vulnerability of the city's infrastructure assets and determining appropriate mitigation actions. The project uses updated natural hazards data to evaluate probable impacts to the city's infrastructure assets from natural hazards and possible mitigations. Of particular focus is the capacity of the city's roads and water systems to absorb natural hazard shocks and recover quickly afterwards.

Community resilience activities

Tauranga City Council and Emergency Management Bay of Plenty supported/ engaged with Otumoetai, Pāpāmoa, Welcome Bay, Mount Maunganui and Bethlehem communities to develop/ review their respective Community Guides to Emergencies and/ or Community Response Plans. Initial contact was also made with Maungatapu (Opopoti) Marae following interest raised by them in developing a Marae Emergency Preparedness Plan.

A CDEM stand was established at the 20th Tauranga Multicultural Festival held at the Historic Village, Tauranga on 23 March 2019 as part of the Tauranga City Council/ Western Bay of Plenty District Council Welcoming Communities Project.



Multicultural Festival Flyer
SOURCE: MULTICULTURAL TAURANGA, MARCH 2019

Other notable community engagement activities included attendance at:

- Welcome Bay Community Expo, 3 October 2018
- Hot Pink Walk, 10 October 2018
- Mount Maunganui White Ribbon Event, 24 November 2018
- Pukehina Evacuation Drill, 25 November 2018
- Bay of Plenty Migrant Expo, 25 November 2018.

Presentations on personal preparedness/ natural hazard awareness were also provided to:

- Tauranga Migrant Settlement network
- Mount Maunganui Lions Club
- Tamapahore Marae
- Te Tomika Trust
- Matua Scouts.

Training and capability development

Tauranga City Council personnel participated in Exercise Ranginui and Exercise Ngatahi; two one-day emergency response scenario based exercises.

The following courses were also completed by Tauranga City Council personnel:

- Civil Defence Induction – 31
- Psychological First Aid Training – 4
- Delivery of Welfare Services in a CDC – 3
- Integrated Training Framework: Intermediate – 24
- Integrated Training Framework: Public Information Management – 4
- Integrated Training Framework: Logistics – 1
- Integrated Training Framework: Welfare – 1
- Bay of Plenty CDEM Group Controllers Forum – 1
- Bay of Plenty CDEM Group Response Seminar – 5.

In-sufficient completion of the ITF Intermediate course (and assessment) and participation in an exercise over the year prevented achievement of the trained staff KPI target.

% EOC Staff Trained	% EOC Roles Filled	Community Initiatives
38% (Target >85%)	86% (Target >85%)	8 of 8 completed

Community resilience activities

Community Response Planning has made steady progress this year with regular meetings held between Neighbourhood Support, Kawerau District Council and Emergency Management Bay of Plenty. Kawerau District Council and Emergency Management Bay of Plenty supported/ engaged with Kawerau Township to develop their Community Guide to Emergencies and Community Response Plan, and Rautahi Marae on their Marae Preparedness Plan.

Other community engagement/ preparedness activities included:

- provision of “Never Happens” bags to the King of the Mountain race as part of competitor race packs
- attendance at the Kawerau Woodfest, 29-30 September 2018 alongside local CDEM Youth Ambassadors. Focus was on promoting the partnership with Kawerau Neighbourhood Support to increase resilience in the Kawerau Community through community response planning. Taking care of pets in an emergency was also a theme, with Finn – our friendly Rhodesian Ridgeback dog attending to show what he has packed in readiness for an emergency
- promotion through public engagement of Shakeout 2018 – the national earthquake drill
- engagement with Tarawera High School for involvement within the CDEM Youth Ambassador programme
- presentation to the Major Hazard Facility stakeholders meeting on personal preparedness/ natural hazard awareness information, 21 August 2018.



CDEM Stand at Woodfest
SOURCE: EMBOP, SEPTEMBER 2018

Enhancing community resilience through partnerships



Kawerau Neighbourhood Support Emblem
SOURCE: KAWERAU NEIGHBOURHOOD SUPPORT, MARCH 2019

Collaboration between Kawerau Neighbourhood Support, Kawerau District Council and Emergency Management Bay of Plenty has created an effective partnership model for enhancing resilience. A successful community grant funding application to the National Neighbourhood Support gained funding to promote and implement the Kawerau Community Response Plan, including provision of emergency kits for eight zone coordinators and a programme of engagement with the community to discuss the Community Response Plan. A programme of work will continue this year to provide essential information to each household on the risks and hazards in the area, how to prepare, and further activities and exercises with the team to consolidate community response within the Kawerau District.

Training and capability development

Kawerau District Council personnel participated in Exercise Ranginui and Exercise Ngatahi; two one-day emergency response exercises that provided opportunity to embed the knowledge and skills learnt through training in realistic, scenario based environments.

The following courses were also completed by Kawerau District Council personnel:

- Psychological First Aid Training – 1
- Integrated Training Framework: Intermediate– 20
- Bay of Plenty CDEM Group Controllers Forum – 2
- Bay of Plenty CDEM Group Response Seminar – 2.

Kawerau District Council staff resignations late in the year affected their ability to meet the filled roles and trained staff KPIs. Of their filled positions, Kawerau has 90%+ achievement rate for exercise attendance and course completion, highlighting positive council-wide engagement in CDEM.

% EOC Staff Trained	% EOC Roles Filled	Community Initiatives
84% (Target >85%) 	81% (Target >85%) 	5 of 4 completed

Community resilience activities

Building relationships with Iwi and Hapū have been a strong theme for activities carried out in Ōpōtiki this year. Discussions with Whakatōhea and Ngāi Tai have led to a better understanding of how iwi response could be integrated into an Ōpōtiki District Council coordinated response. A session on Civil Defence for iwi and hapū was well attended in October 2018, providing iwi representatives greater understanding of an Emergency Operations Centre function, roles and responsibilities. The session enabled meaningful participation for Whakatōhea and Ngāi Tai liaison staff in Exercise Ranginui.

Engagement with Waioweka Marae commenced this year to develop a plan should there be a need for the Marae to provide support for the Ōpōtiki community. Following the combined schools tsunami hiko event, it was agreed that an exercise should be carried out at the Marae based on responding to significant tsunami that could affect the Ōpōtiki coastal area.

Engagement with communities in East Cape, Raukōkore and Waihou Bay enabled sharing of hazard information and initiation of community planning and preparedness, especially the integration of local marae.

Eastern Bay AgFest

On 17 November 2018, Emergency Management Bay of Plenty supported the Eastern Bay AgFest 2018 in Ōpōtiki, engaging with local community members to promote preparedness, provide local hazard information and encourage individuals to make a plan with their family, friends and neighbours.



Bay of Plenty CDEM Group stand at the Eastern Bay AgFest
SOURCE: EMBOP, NOVEMBER 2018

Tsunami Hiko

On 14 March 2019, Ōpōtiki Primary School hosted a tsunami hiko event. Participants walked from Ōpōtiki Primary School to Ōpōtiki Packing and Coolstorage Ltd (OPAC). Parents were invited to attend and notices were sent home with students to ensure parents were aware of where their children would go to if they had to evacuate for a tsunami. Over 400 staff and children from Early Learning Centres, Primary and Secondary Schools took part.



Ōpōtiki Primary School hosted Tsunami hiko
SOURCE: EMBOP, MARCH 2019

Training and capability development

Ōpōtiki District Council personnel participated in Exercise Ranginui and Exercise Ngatahi; two one-day emergency response exercises that provided opportunity to embed the knowledge and skills learnt through training in realistic, scenario based environments.

The following courses were also completed by Ōpōtiki District Council personnel:

- Civil Defence Induction – 2
- Psychological First Aid Training – 2
- Integrated Training Framework: Intermediate – 14
- Integrated Training Framework: Public Information Management – 2
- Bay of Plenty CDEM Group Response Seminar – 2.

Insufficient staff completing the ITF Intermediate course (and assessment) over the year prevented achievement of the staff trained KPI target.

% EOC Staff Trained	% EOC Roles Filled	Community Initiatives
46% (Target >85%)	82% (Target >85%)	4 of 4 completed

WESTERN BAY OF PLENTY

Community resilience activities

Western Bay of Plenty District Council and Emergency Management Bay of Plenty supported/ engaged with Bowentown, Maketū and Tanners Point to develop their Community Response Plans. Community Response Plans were also updated for Te Puke, Katikati, Pukehina Beach, Waihī Beach, and Athenree. Support will continue into 2019/2020 to update Community Response Plans for Ōmokoroa, Paengaroa, Te Puna and Kauri Point. Engagement was had with Tauranga Moana / Te Arawa ki Takutai Partnership Forum on Marae Preparedness Planning.

Other notable community engagement activities included support to the:

- Migrant Settlement network
- Western Bay of Plenty Health Provider Emergency Response Key Stakeholder Group.

Presentations on personal preparedness/ natural hazard awareness were provided to:

- Maketū Yes Programme
- Fonterra “Keep Yourself Safe Workshop”
- Seaford Park, Bowentown
- Maketū Rotary
- Maketū Community Board.

Natural hazard research

Western Bay of Plenty District Council has been reviewing its natural hazard maps for the District and how the risks from those natural hazards should be managed. The project is a collaborative effort with Bay of Plenty Regional Council and Tauranga City Council.

The latest mapping made available to the public focused on coastal erosion along the Tauranga Harbour. 300 letters were sent to affected landowners.

Western Bay of Plenty District Council is also in the process of mapping the following natural hazards, with information expected in the next financial period:

- coastal inundation along the Tauranga Harbour
- flooding at Ōmokoroa and Katikati
- tsunami along the Tauranga Harbour
- tsunami at Waihi Beach, Athenree and Bowentown.

Training and capability development

Western Bay of Plenty District Council personnel participated in Exercise Ranginui and Exercise Ngatahi; two one-day emergency response exercises that provided opportunity to embed the knowledge and skills learnt through training in realistic, scenario based environments.

The following courses were also completed by Western Bay of Plenty District Council personnel:

- Civil Defence Induction – 34
- Psychological First Aid Training – 4
- Delivery of Welfare Services in a CDC – 1
- Integrated Training Framework: Intermediate – 18
- Integrated Training Framework: Public Information Management – 1
- Integrated Training Framework: Welfare – 1
- Bay of Plenty CDEM Group Controllers Forum – 4
- Bay of Plenty CDEM Group Response Seminar – 7.

Insufficient staff completing the ITF Intermediate course (and assessment) and attending an exercise during the year prevented achievement of the staff trained KPI target.

% EOC Staff Trained	% EOC Roles Filled	Community Initiatives
46% (Target >85%) 	97% (Target >85%) 	10 of 8 completed

WHAKATĀNE

Community resilience activities

Whakatāne District Council and Emergency Management Bay of Plenty supported/ engaged with Thornton, Waiohau, Waimana, Tāneatua, Matata and Murupara communities and marae representatives on their respective Community Response Plans and marae preparedness Plans. The Ōhope Marae Preparedness Plan was completed this year.

Presentations/ workshops on personal preparedness and local hazard/ risk awareness were also provided to:

- Eastern Bay Villages
- Te Whare Manaaki o ngā Hunga Haua
- Whakatāne Neighbourhood Support
- Coastlands, Thornton and Wainui community meetings, coordinated by Whakatāne Neighbourhood Support
- Eastern Bay of Plenty Combined Central Kindergartens.

Whakatāne District Council and Emergency Management Bay of Plenty supported the Murupara Community Services event on November 2018, engaging with community members to promote preparedness, provide local hazard information and encourage individuals to make a plan with family, friends and neighbours.

Whakatāne District Council and Emergency Management Bay of Plenty also attended the Murupara Community Meeting on 20 February 2019. This was another great opportunity to engage with a local community on their activities and initiatives for local civil defence emergency management.



Combined FENZ/ Bay of Plenty CDEM Group stand, Murupara Community Services event
SOURCE: EMBOP, NOVEMBER 2018

Tsunami Hiko

On 13 March 2019, two hiko were conducted at 1pm and 5.30pm respectively within central Whakatāne, from Wharaurangi to Waiewe Camellia Park. The hiko were in support of the national tsunami awareness week. Participants were provided information packs, evacuation plan templates and assistance for those who wanted to create their own evacuation plan.



Whakatāne Tsunami Hiko attendees
SOURCE: EMBOP, MARCH 2019

Transition from recovery

On 6 April 2017, Whakatāne District experienced widespread damage to homes, property, businesses, farms, schools and infrastructure as a result of the extreme rainfall events generated by ex-Cyclone Debbie and ex-Cyclone Cook. A Notice of Transition to Recovery was activated at 12 noon on 21 April 2017 to replace the Local State of Emergency, initiating the recovery processes that aimed to restore and create opportunities to enhance community wellbeing. In August 2018, Whakatāne transitioned from CDEM Recovery to Whakatāne District Council led longer term development.

6 April 2019 marked two years since ex-Tropical Cyclone Debbie caused widespread flooding in the district. It was a good opportunity to stop and reflect upon how much the community has achieved over the last two years and acknowledge the wide range of local community groups, volunteers and organisations that have contributed to the recovery efforts.

Training and capability development

Whakatāne District Council personnel participated in Exercise Ranginui and Exercise Ngatahi; two one-day emergency response exercises that provided opportunity to embed the knowledge and skills learnt through training in realistic, scenario based environments.

The following courses were also completed by Whakatāne District Council personnel:

- Civil Defence Induction – 10
- Psychological First Aid Training – 7
- Integrated Training Framework: Intermediate – 25
- Integrated Training Framework: Public Information Management – 2
- Integrated Training Framework: Logistics – 4
- Bay of Plenty CDEM Group Controllers Forum – 3
- Bay of Plenty CDEM Group Response Seminar – 3.

Insufficient staff completing the ITF Intermediate course (and assessment) over the year prevented achievement of the staff trained KPI target.

% EOC Staff Trained	% EOC Roles Filled	Community Initiatives
72% (Target >85%) 	90% (Target >85%) 	8 of 8 completed



ROTORUA

Community resilience activities

Rotorua Lakes Council engaged with Mamaku, Ngongotahā, Waikite Valley, Hamurana/ Awahou, Lake Tarawera, Lake Ōkāreka, and Paradise Valley catchment to progress their respective Community Response Plans.

Other notable community engagement activities included:

- integration of animal emergency welfare information with annual dog registration reminder notices
- presentations on personal preparedness/ natural hazard awareness at the Toi Ohomai Institute of Technology student orientation day, 4 March 2019
- Rotorua Lakes Council and NZ Red Cross Disaster Welfare Support Team activated an outreach visit to 270 households in Ngongotaha/Paradise Valley area affected by the 2018 flood event. Information encouraging personal preparedness and emergency planning was provided to each household along with updates on flood mitigation activities undertaken by Council. Results from 130 household surveys completed on the day will inform future CDEM activity in these communities.



Rotorua Lakes Council / NZ Red Cross Outreach
SOURCE: ROTORUA LAKES COUNCIL, 2018

Risk management, resilience and asset improvements

The Rotorua Lakes Council Infrastructure Team has been working with the Bay of Plenty Regional Council and other regional Local Authorities to develop a standardised response plan for sewer overflows that is able to be adopted Bay of Plenty region wide.

The Rotorua Lakes Council Building Services Team is leading a project which involves implementing processes for managing buildings in emergencies across the Building Cluster Group area. This project is being carried out in partnership with Ministry of Business, Innovation and Employment, Emergency Management Bay of Plenty and the Building Cluster Group.

As part of improving the resilience of drinking water supply to the Mamaku community, a new ultraviolet light disinfection and cartridge filtration system was installed at Mamaku.

Late in the year, Rotorua Lakes Council engaged GNS Science to assist in an emerging geothermal activity and risk mitigation that prompted an evacuation and establishment of cordons to ensure public safety.



Peter Brownbridge, Rotorua Lakes Council inspecting a property following a geothermal incident requiring evacuation
SOURCE: ROTORUA LAKES COUNCIL, JUNE 2019

April 2018 severe weather event

The severe weather event in April 2018 resulted in district wide flooding for Rotorua Lakes District. 94 homes were evacuated at the peak of the response. The Rotorua Lakes Council Flood Recovery Office was established in the wake of the event, closing in November 2018 as the recovery process transitioned to Rotorua Lakes Council.

During the recovery, four 'Navigators' were employed to aid affected persons, with follow-ups completed to over 900 households. The Rotorua Council Mayoral Manaakitanga fund provided \$56k financial assistance to affected persons. Support and resourcing from partner social support agencies, local businesses and services was also immensely helpful and greatly appreciated by Rotorua Lakes Council.

The Independent Flood Review undertaken following the event was made available to stakeholders and the public. Rotorua Lakes Council and Bay of Plenty Regional Council are working collaboratively with the community to develop a joint action plan to reduce future flood risk in the Ngongotahā area.



Rerewhakaaitu Bridge – severely damaged as a result of the April 2018 flooding
SOURCE: ROTORUA LAKES COUNCIL, APRIL 2018

The final draft of a multi-agency evacuation response plan for Ngongotaha community developed in collaboration with other emergency services and Bay of Plenty Regional Council is complete. This work addresses one of the recommendations in the Independent Review Report following April 2018 flooding.

Training and capability development

Over 50 Rotorua Lakes Council CDEM staff participated in Exercise Ngatahi; a one-day emergency response exercises that provided opportunity to embed the knowledge and skills learnt through training in realistic, scenario based environments. The following courses were also completed by Rotorua Lakes Council personnel:

- Psychological First Aid Training – 1
- Delivery of Welfare Services in a CDC – 5
- Integrated Training Framework: Intermediate – 24
- Integrated Training Framework: Welfare – 4
- Integrated Training Framework: Logistics – 1
- Bay of Plenty CDEM Group Controllers Forum – 6
- Bay of Plenty CDEM Group Response Seminar – 3.

Insufficient staff completing the ITF Intermediate course (and assessment) over the financial period prevented achievement of the staff trained KPI target.

% EOC Staff Trained	% EOC Roles Filled	Community Initiatives
40% (Target >85%) 	95% (Target >85%) 	12 of 8 completed

Bay of Plenty Lifelines Group Annual Report



Bay of Plenty/ Waikato Lifelines Forum 2018

In August 2018, the Bay of Plenty Lifelines Group hosted the combined Bay of Plenty/ Waikato Regional Lifelines forum. The forum was well attended, with 81 people from across 47 different organisations and agencies being represented. Some of the key presentations included; climate change and sea-level rise; Transpower national black-start planning; legal aspects of a Civil Defence emergency; communications and GIS in an emergency; and the Tropical Cyclone Gita post event review from the Taranaki CDEM Group.



Hikurangi response Plan presentation to Bay of Plenty Lifelines Group meeting
SOURCE: EMERGENCY MANAGEMENT
BAY OF PLENTY, MARCH 2019

Table-top Exercises

The Lifelines Group participated in two facilitated table-top exercises during this financial period. The first exercise focused on a regional fuel shortage scenario; the second was a large, inland earthquake centred near Ōpōtiki.

The first exercise provided valuable insight to support the Bay of Plenty CDEM Group's input into the review and update of the National CDEM Fuel Plan conducted by the Ministry of Business, Innovation and Employment and the Ministry of Civil Defence & Emergency Management.



Bay of Plenty Lifelines Group exercise
SOURCE: EMERGENCY MANAGEMENT
BAY OF PLENTY, MAY 2019

The second exercise enabled Lifelines Group members to provide valuable contributions to the Bay of Plenty CDEM Group tier II exercise (Ngātahi). The outcomes of the Lifelines Group exercise were able to be utilised within Exercise Ngatahi as functional injects that added realistic conditions for the Emergency Operations and Coordination Centre staff to have to mitigate/ resolve.

Contributions to significant national documents under review

Members of the Lifelines Group participated in regional and national workshops, contributing feedback on the following key documents:

- Wellington Earthquake National Initial Response Plan (WENIRP)
- National CDEM Fuel Plan
- Hikurangi Response Plan.

Future Projects

During this period, the Lifelines Group analysed future project requirements as part of their contribution to the Bay of Plenty CDEM group's Annual Plan outcomes. The Lifelines Group elected to undertake/ complete the following projects from financial period 2019/2020:

- Scoping of a regional climate change risk assessment. Tonkin & Taylor have been contracted to complete the scoping phase for a wider climate change risk assessment. This report is due by August 2019 and will structure the follow-on stages of the project over following years.
- NZTA Safer Priority Routes for evacuation. To commence in the Western Bay of Plenty in August 2019.

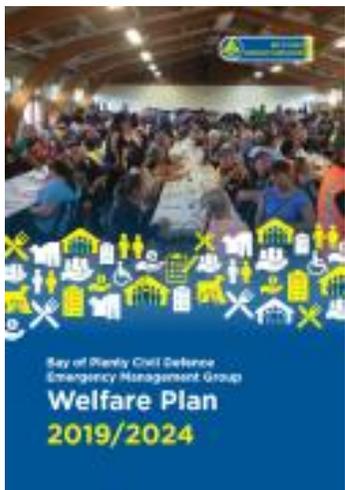
Chairperson position vacancy

On the 14th May 2019, Andrew Hitchfield, formerly the Waikato/ Bay of Plenty Regional Manager for Vodafone resigned his role as Chairperson of the Lifelines Group. Andrew has been in the role for 14 months, and has provided beneficial commercial acumen and technical knowledge from the telecommunications sector to the Lifelines Group.

The Chairperson role remains vacant, and the Lifelines Group is seeking nominations from their membership. In the meantime, Derek Caudwell of Horizons Network, the Lifelines Group Deputy Chairperson is filling the role.

Bay of Plenty Welfare Coordination Group Annual Report

Bay of Plenty CDEM Group Welfare Plan 2019/ 2024



On 22 March 2019, the Bay of Plenty CDEM Group Joint Committee adopted the new Group Welfare Plan 2019/2024. The development of the Bay of Plenty Group Welfare Plan 2019/2024 ensures that the Bay of Plenty complies with its legislative obligations, achieves its objectives and progressing towards its goals and those of the National CDEM Strategy. It clearly outlines each agencies roles and responsibilities in the delivery of emergency welfare services in readiness, response and recovery.

Now that the Welfare Plan is adopted, implementation actions have been incorporated into the Bay of Plenty CDEM Group Annual Plan and the Welfare Coordination Group work programme for the next financial period.

Training and capability development

Integrated Training Framework Delivery of Welfare Services in a Civil Defence Centre courses were delivered on 24 October 2018 and 5 March 2019. Attendees included Local Welfare Managers, Group Welfare Team members, Victim Support, Rural Support Trust and Red Cross. The course provided opportunity to enhance the knowledge of staff that would be either supporting or working in a Civil Defence Centre.

An Integrated Training Framework - Welfare in a Coordination Course (2 days) was also delivered over 11-12 June 2019. This interactive course is designed to enhance the knowledge of those with roles in a Coordination Centre for delivery of emergency welfare services.



ITF Welfare Services in a CDC Training
SOURCE: EMBOP, MARCH 2019

Standardising welfare support processes and procedures

A large effort this year has gone into updating and developing standardised checklists and processes to support emergency welfare support processes. A number of welfare forms/ operating procedures (as part of the Civil Defence Centre toolkit) have been developed to support Local Welfare Managers. The forms will become part of a Civil Defence Centre toolkit, and include:

- checklist for selecting a Civil Defence Centre
- Civil Defence Centre Visitors Record
- Standard Operating Procedure for *Opening, Operating and Closing a Civil Defence Centre*
- Civil Defence Centre Incident Report Form
- a "Building Use" template for Local Authorities to enter into agreements with facility owners of buildings identified for use as Civil Defence Centres.

Coordinating Evacuations; People, Pets and Livestock

On 27 June 2019, the Bay of Plenty CDEM Group held a forum in Tauranga on Coordinating Evacuations; 'People, Pets and Livestock.' The forum was attended by over 60 people from a variety of agencies from vets, Federated Farmers, Organa Tamariki, Maritime, District Health Boards and the Ministry of Primary Industries to name but a few. The forum extended upon the Ministry for Primary Industries led debrief and "lessons Learnt" session on animal welfare from the 2017 Edgecumbe flooding event held on 19 September 2018.

Guest speakers were invited from Nelson-Tasman to share their animal welfare experiences and challenges from the Nelson Tasman fires of March 2019. This case-study approach enabled attending agencies to explore how the lessons from this event could be applied in the Bay of Plenty.

The opportunity to network with all agencies that have a human-animal interface in the Bay of Plenty also was invaluable. The next step from the forum is to draft the Bay of Plenty Animal Welfare Plan in readiness for consultation with the sector.



Key note speakers for the Coordinating Evacuations forum
SOURCE: EMERGENCY MANAGEMENT BAY OF PLENTY, JUNE 2019