



AGENDA

Taranaki Civil Defence

Joint Committee Meeting

Thursday 24 February 2022, 10.30am



Date 24 February 2022

Committee Taranaki Emergency Management Group Joint Committee

Subject: **Confirmation of Minutes - 11 November 2021**

Approved by: S J Ruru, Chief Executive

Document: 2997648

Recommendations

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) takes as read and confirms the minutes and resolutions of the Taranaki Civil Defence Emergency Management Group Joint Committee held at the Taranaki Regional Council, 47 Cloten Road, Stratford on Thursday 11 November 2021 at 10.30am
- b) notes that the unconfirmed minutes of the Taranaki Civil Defence Emergency Management Joint Committee held at the Taranaki Regional Council, 47 Cloten Road, Stratford on Thursday 11 November 2021 at 10.30am, have been circulated to the New Plymouth District Council, Stratford District Council and the South Taranaki District Council for their receipt and information.

Matters arising

Appendices/Attachments

Document 2912898: Minutes Taranaki Civil Defence Emergency Management Group Joint Committee - 11 November 2021



Committee: Taranaki Emergency Management Group Joint Committee

Date: 11 November 2021, 10.40am

Venue: Taranaki Regional Council Boardroom, 47 Cloten Road, Stratford

Document: 2912898

Present	Councillor	M Cloke	Taranaki Regional Council (<i>Chairman</i>)
	Mayors	P Nixon	South Taranaki District Council
		N Volzke	Stratford District Council
		N Holdom	New Plymouth District Council (<i>Zoom</i>)
Attending	Messrs	S Ruru	Taranaki Regional Council
		S Hanne	Stratford District Council
		L Dagg	South Taranaki District Council (<i>part meeting</i>)
	Ms	J King	Kurahaupō Representative
	Ms	L Poutu	Tokomaru Representative
		T Velvin	Taranaki Emergency Management Office
	Ms	T Gordon	Taranaki Emergency Management Office
	Ms	S Gauden-Ing	Taranaki Emergency Management Office
	Ms	M Meads	National Emergency Management Agency
	Prof.	T Wilson	University of Canterbury
	Prof.	J Proctor	University of Canterbury
	Ms	R Clements	Taranaki District Health Board (<i>Part meeting</i>) (<i>zoom</i>)
	Dr	J Jarmin	Taranaki District Health Board (<i>Part meeting</i>) (<i>zoom</i>)
	Mr	B Clayton-Smith	Taranaki District Health Board
	Ms	I Chamberlain	Taranaki District Health Board
	Miss	L Davidson	Taranaki Regional Council

Opening Karakia The meeting opened with a Karakia.

Apologies Apologies were received and sustained from Waid Crockett – South Taranaki District Council, Craig Stevenson – New Plymouth District Council and Leanne Horo (Kurahaupō Representative).

Notification of Media release following meeting.
Late Items

1. Confirmation of Minutes - 26 August 2021

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) takes as read and confirms the minutes and resolutions of the Taranaki Civil Defence Emergency Management Group Joint Committee held via zoom on Thursday 26 August 2021 at 10am
- b) notes that the unconfirmed minutes of the Taranaki Civil Defence Emergency Management Joint Committee held via zoom on Thursday 26 August 2021 at 10am, have been circulated to the New Plymouth District Council, Stratford District Council and the South Taranaki District Council for their receipt and information.

Volzke/Nixon

Matters arising

There were no matters arising.

2. Taranaki Civil Defence Emergency Management Co-ordinating Executive Group Minutes - 28 October 2021

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the unconfirmed minutes of the Taranaki Civil Defence Emergency Management Co-ordinating Executive Group Meeting held in the Taranaki Regional Council Chambers on Thursday 28 October 2021 at 10.30am
- b) adopts the recommendations therein.

Cloke/Holdom

Matters arising

- 2.1 Mr S Hanne, Chairman – Taranaki Civil Defence Emergency Management Co-ordinating Executive Group, spoke to the minutes. It was noted that there is still a risk in not having an Alternate Recovery Manager.
- 2.2 Mr T Velvin, Group Manager, Taranaki Emergency Management Office, provided an update on the Alternate Group Recovery Manager role. It has been difficult to fill the role. TEMO have been working on a MoU that covers how TEMO engage with alternates in other roles. This will be sent to Councils for feedback when it is ready.
- 2.3 The resurgence plan was updated to clarify the Regional Leadership Group names. The plan covers all partner agencies. IT was noted that the Committee were all comfortable with the make up of the Regional Leadership Group.
- 2.4 It was clarified that there is one SIQ facility in New Plymouth that has three units for isolation. TDHB are looking at two SIQ's in Hāwera.

3. Advisory Group Minutes

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the unconfirmed minutes of the meeting of the Rural Co-ordinating Group (RCG) held on 6 September 2021
- b) receives the unconfirmed minutes of the meeting of the Lifelines Advisory Group (LAG) held on 21 September 2021
- c) receives the unconfirmed minutes of the meeting of the Readiness & Response Advisory Group (RARAG) held on 6 October 2021.

Cloke/Nixon

Matters arising

- 3.1 The LAG have had an update to their terms of reference which is covered in this meeting.
- 3.2 A lot of work has been going on to tidy up the Advisory Groups.
- 3.3 Mike Green, Fonterra has started chairing the RCG and good progress is being made in that group.
- 3.4 It was noted that engagement with the transport sector has decreased and TEMO will be looking to increase that in the future.

4. Draft COVID-19 Resurgence Plan – Roles and Responsibilities of Key Organisations in Taranaki Version 2.2 August 2021 Resurgence update

- 4.1 Mr T Velvin, Group Manager, Taranaki Emergency Management Office, spoke to the memorandum to familiarise the Committee with the most recent iteration of resurgence planning for COVID-19 in Taranaki.
- 4.2 It was noted that things are constantly moving in this space and this will be a living document that it will be required to be updated frequently.
- 4.3 Domestic pets are covered in the plan but it was noted that rural livestock is not well covered. It was noted that TEMO are trying to get MPI more engaged. Civil Defence would step in regardless.
- 4.4 It was clarified that Minister of Emergency Management, Kiri Allen, has clearly directed Civil Defence to support other agencies.
- 4.5 It was suggested that the wording around “Leads” be tidied up to clarify the Lead agency.

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the Memorandum *Draft COVID-19 Regional Resurgence Plan November 2021 Working Version – Roles and Responsibilities of Key Organisations in Taranaki Version 2.2 August 2021 Resurgence update*
- b) endorses the adoption of this Plan to the Taranaki COVID-19 Regional Leadership Group.

Volzke/Nixon

5. Taranaki District Health Board Update and presentation

- 5.1 Mr B Clayton-Smith and Ms I Chamberlain, Taranaki District Health Board, provided a presentation updating the Committee.
- 5.2 Based on projections it is anticipated that Taranaki will reach 90% vaccination rates by Christmas.
- 5.3 A waste water sample that was taken on Monday from Stratford has returned a positive result. This would now indicate that this was not a person passing through Stratford and that there is a case or cases in Stratford.
- 5.3 Mayor Volzke, Stratford District Council, raised concerns around the mixed messaging with information suggesting the person was a traveller and now messaging reflecting that there is a case in Stratford. This can be confusing for the community.
- 5.4 Ensure there is key messaging encouraging people to come forward for testing.
- 5.5 There is an IMT meeting happening at the moment to plan, and information from that meeting will be passed on.
- 5.6 Iwi support – Ms L Poutu, informed that their capacity is better than when the response first started. There are risks with not being able to start up testing stations fast enough and having enough clinicians on the ground for testing and vaccinations. Māori uptake on vaccinations has increased over the last few weeks.
- 5.7 Ngāruahine did a fantastic job setting up vaccinations and testing over the weekend however testing numbers had dropped off earlier in the week. It was suggested to look at alternative testing times as there is a lot of shift workers and people who work out of town.
- 5.8 Mr T Velvin has recently spent time with Tui Ora who have made an application to the Government for funding to increase resourcing to get out to the hard to reach communities.
- 5.9 Government is looking at new models of testing to get results quicker and booster vaccinations and how that can be pushed out.
- 5.10 TDHB are currently sitting sat about 98% of staff fully vaccinated.
- 5.11 The Taranaki Mayors met with St Johns, Principals and Fire and Emergency regarding how to support staff that will lose jobs due to the mandatory vaccinations for some sectors and how to connect them with other organisations for jobs.
- 5.12 TDHB are working through support services that would be required for families that would have to isolate at home and covered off the process for when someone tests positive.

6. Memorandum of Understanding with Taranaki District Health Board

- 5.1 Ms K Lawson, Group Welfare Manager, Taranaki Emergency Management Office, spoke to the memorandum to note the signing of a Memorandum of Understanding between Taranaki Emergency Management Office and Taranaki District Health Board to establish a relationship that clearly defines the roles of who is responsible for which part of the wraparound service for individuals or families /whānau in Community Supported Isolation and Quarantine (Community SIQ).

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the Memorandum *Memorandum of Understanding with Taranaki District Health Board*
- b) notes the signing of Memorandum of Understanding.
Cloke/Nixon

7. Adoption of Annual Business Plan 2021-2022

- 7.1 Mr T Velvin, Group Manager, Taranaki Emergency Management Office, spoke to the memorandum presenting the draft Annual Business Plan 2020-21 for the Taranaki Emergency Management Office.
- 7.2 The radio room needs to be upgraded, it is likely to cost about \$16,000. There were some other sites out in the community that had been budgeted for upgrades however these have been inspected and not all of them need upgrading some of the budget for those upgrades can be used on the radio room at TEMO.
- 7.3 The generator also needs replacing. The current one is outside and is exposed to the elements. When a new one is purchased TEMO do not want it exposed so will be building a shed to enclose it. This will also ensure a longer lifespan of the generator.
- 7.4 It was suggested that TEMO look at the option of leasing a generator.
- 7.5 Mr T Velvin informed that he has advised TEMO staff of a restructure. Which is currently out for consultation. The restructure is aiming to put two team leaders in place. This will also give Councils clear guidance on who they report to.

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the Memorandum, *Annual Performance Report 2020/21*
- b) approves the Annual Business Plan 2020-21.
Cloke/Volzke

8. Quarter One Performance Report 2021-2022

- 8.1 Mr T Velvin, Group Manager, Taranaki Emergency Management Office, spoke to the memorandum presenting the Quarter 1 Report for 2021 – 2022 to the Taranaki Emergency Management Group Joint Committee.

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the memorandum *Quarter One Performance Report 2021-2022* and the *Quarter One Performance Report 2021-2022*.
Cloke/Volzke

9. Progress Update to the Transitioning Taranaki to a Volcanic Future - He Mounga Puia

- 9.1 Prof. Tom Wilson and Prof. Jon Proctor, University of Canterbury, spoke to the memorandum and provided a presentation updating the Committee about progress on the Transitioning Taranaki to a Volcanic Future - He Mounga Puia programme.

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the memorandum *Progress Update to the Transitioning Taranaki to a Volcanic Future - He Mouna Puia*
- b) receives and notes the presentation from Professor Tom Wilson and Jon Proctor.
Volzke/Cloke

Mayor N Holdom left at 12.42pm

10. Further update from Taranaki District Health Board

- 10.1 Ms Rosemary Clements and Dr Jonathan Jarmin, Taranaki District Health Board, joined the meeting to provide an update following the IMT meeting held earlier.

11. Update to the Terms of Reference for the Lifelines Advisory Group

- 11.1 Mr T Velvin, Group Manager, Taranaki Emergency Management Office, spoke to the memorandum recommending the adoption of the updated Terms of Reference for the Lifelines Advisory Group.

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives memorandum, *Update to the Terms of Reference for the Lifelines Advisory Group*
- b) approves the updated Terms of Reference for the Lifelines Advisory Group.
Nixon/Cloke

12. National Emergency Management Agency (NEMA) Correspondence and Update

- 12.1 Ms M Meads, Senior Regional Emergency Management Advisor, National Emergency Management Agency (NEMA), spoke to the memorandum providing the Committee of recent correspondence received from NEMA and to receive an update from NEMA's Senior Regional Emergency Management Advisor.
- 12.2 Cabinet papers are being prepared on COVID-19 frameworks and rolling out on how that protection will work DPMC has spoken about home isolation and how that would work.
- 12.3 Ms M Meads wanted to highlight concurrent event planning.
- 12.4 NEMA Senior Leadership team have now engaged with most CEG and Joint Committees so SLT attendance will be on a case by case basis when there is need or something specific to cover.
- 12.5 Malinda Meads will still attend meetings with Paul Renshaw in a support role if required.
- 12.6 TRIFECTA Programme – This is still a priority. The draft of the legislation may not be out until May 2023.

Resolved

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives and notes the correspondence received from NEMA

- b) receives and notes the verbal update provided by Malinda Meads.
Cloke/Volzke

13. General Business

13.1 Media Release

A media release will be sent this afternoon encouraging people to get tested and vaccinated.

There being no further business the Committee Chairperson M J Cloke thanked attendees and declared the Taranaki Civil Defence Emergency Management Group Joint Committee Meeting closed at 12.50pm.

Confirmed

Chairperson _____

M J Cloke

24 February 2021



Date 24 February 2022

Committee Taranaki Emergency Management Group Joint Committee

Subject: **Taranaki Civil Defence Emergency Management Co-ordinating Executive Group Minutes - 10 February 2022**

Approved by: S J Ruru, Chief Executive

Document: 2997638

Recommendations

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the unconfirmed minutes of the Taranaki Civil Defence Emergency Management Co-ordinating Executive Group Meeting held in the Taranaki Regional Council Chambers on Thursday 10 February 2022 at 10.30am
- b) adopts the recommendations therein.

Matters arising

Appendices/Attachments

Document 2986407: Minutes CEG - 10 February 2022



Committee: Co-ordinating Executive Group

Date: 10 February 2022 10.30am

Venue: Taranaki Regional Council

Document: 2986407

Members	Mr	S Hanne	Stratford District Council (Chairperson)
	Mr	S J Ruru	Taranaki Regional Council, Chief Executive
	Mr	K Wright	New Plymouth District Council <i>Zoom</i>
	Mr	T Velvin	Taranaki CDEM (Regional Manager)
	Mr	C Campbell-Smart	Taranaki CDEM (Group Recovery Manager) <i>Zoom</i>
	Ms	V Araba	Risk Reduction Advisory Group Chair
	Ms	M Stewart	St Johns <i>Zoom</i>
	Mr	W Crockett	South Taranaki District Council, Chief Executive
	Ms	G Campbell	Ministry for Social Development <i>Zoom</i>
	Ms	K Lawson	Taranaki CDEM (Group Welfare Manager)

Attending	Mr	B Ingram	New Plymouth District Council <i>Zoom</i>
	Ms	T Gordon	Taranaki CDEM (Analyst) <i>Zoom</i>
	Ms	S Gauden-Ing	Taranaki CDEM (Analyst) <i>Zoom</i>
	Ms	I Chamberlain	Taranaki District Health Board <i>Zoom</i>
	Mr	B Manning	Alternate Group Controller <i>Zoom</i>
	Ms	S Kelly	Alternate Group Controller
	Ms	M Williams	Ministry of Health <i>Zoom</i>
	Mr	P Renshaw	National Emergency Management Agency <i>Zoom</i>
	Ms	K Biggs	National Emergency Management Agency
	Mr	G Roper	New Zealand Police <i>Zoom</i>
	Mr	D Haenga	New Zealand Police <i>Zoom</i>
	Mr	C Pickford	Taranaki Regional Council
	Miss	L Davidson	Executive Assistant
	Miss	R S Sweeney	Governance Administrator

Apologies Apologies were received from David Utumapu - Fire and Emergency New Zealand, Rachel Utumapu - Fire and Emergency New Zealand, Mike Green, Fonterra (chair of Rural Coordinating Group), Dr Greg Simmons - Taranaki District Health Board and Steven Corbitt - Powerco.

Notification of Late Items

1. Weather Update Regarding Cyclone Dovi

- 1.1 Mr C Pickford, Taranaki Regional Council gave an update on the current weather forecast and any actionable items as a result. MetService advised a watch and the warning was taking place due Cyclone Dovi, the warnings are for Heavy Rain Warning – Orange as well as Strong Wind Watch.
- 1.1 Mr T Velvin, Regional Manager, Taranaki CDEM to coordinate a meeting to be held between all districts the morning of 11 February 2022 to ensure that all communications are aligned and additionally to understand and agree to responsibilities of the districts.

2. Confirmation of Minutes – 28 October 2021

Recommendations

That the Taranaki Civil Defence Emergency Management Co-ordinating Executive Group:

- a) takes as read and confirms the minutes and recommendations of the Taranaki Civil Defence Emergency Management Co-ordinating Executive Group meeting held in the Taranaki Regional Council chambers, 47 Cloten Road, Stratford on 28 October 2021 at 10.30am.
Hanne/Stewart

Matters arising

There was no matters arising

3. Advisory Group Minutes

Recommendations

That the Taranaki Civil Defence Emergency Management Co-ordinating Executive Group:

- a) receives the unconfirmed minutes of the meeting of the Taranaki Seismic and Volcanic Advisory Group (TSVAG) on 25 November 2021
Hanne/Crockett

Matters arising

There was no matters arising

4. COVID-19 Update from Taranaki District Health Board

- 4.1 Ms G Campbell, Taranaki District Health Board presented an update in regards to the new COVID-19 variant, Omicron and the planned phases under the Governments Framework.

5. Quarter Two Performance Report 2021-2022

- 5.1 Mr T Velvin, Group Manager, Taranaki Emergency Management Office, spoke to the memorandum to present the Quarter Two Report for 2021 -2022 to the Taranaki Emergency Management Co-ordinating Executive Group.
- 5.2 The first round of the Trifecta consultation closed for ACT rework on 11 February 2022.
- 5.3 TEMO building has legally been signed off by the building inspectors the week of 7 February 2022.

Recommended

That the Taranaki Emergency Management Co-ordinating Executive Group:

- a) receives the Memorandum *Quarter Two Performance Report 2021-2022*
- b) endorses the report to the Taranaki Civil Defence Emergency Management Group Joint Committee.

Sven/Campbell

6. Consultation on the Updated Terms of Reference for the Co-Ordinating Executive Group

- 4.1 Ms S Gauden-Ing, Analyst, Taranaki Emergency Management Office, spoke to the memorandum to present the proposed updated Terms of Reference for the Co-ordinating Executive Group and to seek feedback from the Group.
- 4.2 Feedback on the Terms of Reference is welcomed and is to be provided to Ms S Gauden-Ing or Mr T Velvin, TEMO, to be raised with the Joint Committee prior to sign off.
- 4.3 Mr W Crockett, Chief Executive, South Taranaki District Council, requested further clarification around the roles particularly, the Co-Operative members and iwi representation.

Recommended

That the Taranaki Emergency Management Co-ordinating Executive Group:

- a) receives the Memorandum *Consultation on the Updated Terms of Reference for the Co-ordinating Executive Group*
- b) reviews the proposed Term of Reference for the Co-ordinating Executive Group.

Hanne/Crockett

7. TSVAG Terms of Reference Review

- 5.1 Ms T Gordon, Analyst/Duty Officer, Taranaki Emergency Management Office, spoke to the memorandum to advise the Co-ordinating Executive Group of the changes to the Terms of Reference for the Taranaki Seismic Volcanic Group.

Recommended

That the Taranaki Emergency Management Co-ordinating Executive Group:

- a) receives the Memorandum *TSVAG Terms of Reference Review*
- b) approved the amended Terms of Reference for the Taranaki Seismic Volcanic Advisory Group.

Hanne/Araba

8. Strategic Recovery Discussion

- 8.1 Mr C Campbell-Smart, Group Recovery Manager, Taranaki Emergency Management Office presented an update to the strategic recovery, what it entails and the long term impacts including hazard and risk reduction.

9. Police Tactical Response Model

- 9.1 Mr G Roper, Senior Sergeant, New Zealand Police provided a verbal update on the Tactical Response Model, which is currently undergoing a review spanning six months and four police districts, the review is currently two and a half months into the six month review. It aims to make safer process for the community and police in high-intensity situations.

10. Resignation of David Langford, NPDC Local Controller

- 6.1 Mr B Ingram, Regional Recovery Manager, New Plymouth District Council, spoke to the memorandum to advise the Co-ordinating Executive Group of the resignation of Mr David Langford as the Local Controller for New Plymouth District Council and to outline a process for the replacement of this statutory position.

Recommended

That the Taranaki Emergency Management Co-ordinating Executive Group:

- a) receives the Memorandum, *Resignation of David Langford, NPDC Local Controller*
- b) notes the resignation of Mr David Langford from the role of Local Controller
- c) acknowledges the services that Mr David Langford has provided for the Taranaki CDEM Group in his time as Local Controller.

Hanne/Araba

11. Submission to proposed Critical Infrastructure amendments to Civil Defence Emergency Management Act, Round 2

- 11.1 Mr C Campbell-Smart, Principle Advisor & Group Recovery Manager, Taranaki Emergency Management Office spoke to the memorandum to present member of the Co-ordinating Executive Group with the Taranaki CDEM Group submission to the second round of proposed Critical Infrastructure (Lifeline Utilities) amendments to the Civil Defence Emergency Management Act.

Recommended

That the Taranaki Emergency Management Co-ordinating Executive Group:

- a) receives memorandum, *Submission to proposed Critical Infrastructure amendments to Civil Defence Emergency Management Act*
- b) notes and endorses the content of this memorandum and consultation feedback 'Critical Infrastructure proposal for new Emergency Management Bill' contained in Appendix A
- c) recommends that the Taranaki CDEM Group Joint Committee receives the report. Hanne/Crockett

12. NEMA Update

- 12.1 Mr P Renshaw, Senior Advisor, National Emergency Management Agency (NEMA), gave a verbal update on changes that have taken place at NEMA in January & February 2022 and the workflow to upcoming works (such as the Tongan Tsunami, Omicron, Heavy Rain on the West Coast etc). Trifecta Programme is a large focus, a review of the current legislation is now required alongside the development of the emergency management bill to ensure the measures in the bill can be implemented.
- 12.2 Mr T Velvin, Group Manager, TEMO, advised that he has received a letter from the Chief Executive of NEMA earlier in February in regards to NEMA changes that he will ensure is circulated among the committee members.

There being no further business the Committee Chairman, Mr S Hanne (Stratford District Council), declared the meeting of the Taranaki Civil Defence Emergency Management Co-ordinating Executive Group closed at 12.48pm.

Confirmed

Chairperson:_____

S Hanne

5 May 2022



Date 24 February 2022

Committee Taranaki Emergency Management Group Joint Committee

Subject: **Advisory Group Minutes**

Approved by: S J Ruru, Chief Executive

Document: 2997793

Purpose

1. The purpose of this memorandum is to receive and consider the unconfirmed minutes of the Taranaki CDEM Advisory Group meetings as follows:
 - Taranaki Seismic and Volcanic Advisory Group (TSVAG) - 25 November 2021

Recommendations

That the Taranaki Civil Defence Emergency Management Group Joint Committee:

- a) receives the unconfirmed minutes of the meeting of the Taranaki Seismic and Volcanic Advisory Group (TSVAG) on 25 November 2021.

Appendices/Attachments

Document 2982166: Advisory Group Minutes Q 2



**Minutes for the meeting of the Taranaki Seismic and Volcanic Advisory Group (TSVAG)
held at TEMO, 45 Robe Street and via ZOOM on Thursday 25th November 2021 at 10.00am**

Attendees

Prof. Jon Procter (Chairperson)	Massey University	Nico Fournier	GNS
Pip Johnson (Minutes)	TEMO	Hannu Seebeck	GNS
Teresa Gordon	TEMO	Dave Rogers	DOC
Craig Campbell -Smart	TEMO	Tami Cave	DOC
Todd Velvin	TEMO	Malinda Meads	NEMA
Sarah Gauden-Ing	TEMO	Grant Wilson	NEMA
Abbie Diggelmann	TEMO	Chris Morris	NEMA
Suzy Adair	TEMO	Alice Evans	NEMA
Associate Prof. Thomas Wilson	Canterbury Uni	Alister Davies	EQC
Cindy Werner	Volcano Geo- Chemistry	Mario Bestall	SDC
Stuart Mead	Massey University	Gary Bedford	TRC
Ingrid Ukstins	Auckland University	Brad Scott	GNS
Prof Shane Cronin	Auckland University	Blair Sutherland	SDC
Irving Young	Waikato CDEM	Ian Lowe	Manawatu- Wanganui

Apologies

Steve Bowden	SDC	Danielle Charlton	GNS
Rebecca Martin	STDC	Steph Gates	NEMA
Paul Renshaw	NEMA	Steve Sherburn	GNS
Alana Weir	Canterbury Uni		

Unconfirmed

Bruce Webster	DOC	Kevin Fenaughty	NEMA
Andrew BuBear	Waikato Group	Daniel Hill	NEMA
David Johnston	GNS	Andrew Johnston	DOC
Bruce Webster	DOC		

Agenda Items:

Item 1: Welcome

Chair welcomed all members. Dave Rogers performed an opening Karakia

Item 2: Confirmation of the Minutes of the last meeting (*standing item*)

Resolved

THAT the Taranaki Seismic and Volcanic Advisory Group

Confirms the minutes and recommendations of the Taranaki Seismic and Volcanic Advisory Group meeting held on Tuesday 28th September 2021 at 1.00pm.

Moved: Jon Procter

Seconded: Teresa Gordon

Item 3: Matters and action list from previous minutes (*standing item*)

No matters arising.

Item 4: Geologic, earthquake and tsunami modelling of the active Cape Egmont Fault Zone (*Hannu Seebeck*)

Presentation from Hannu on the earthquake and tsunami modelling project they have been working on.



Action Pip to send out the presentation with the minutes FYI only. Any duplication of this information needs prior approval from Hannu Seebeck.

Discussions around the table on the findings from Hannu's presentation and a Q & A session.

Action Podge to connect with Sarah and Hannu to understand the Tsunami risks more and would like to arrange a discussion with the Wellington CDEM group and Hannu.

Summarised by Jon that there are clearly some great benefits and possibilities of joint research between Volcanic and Seismic groups.

Item 6: Science advice pathways for Taranaki CDEM during a volcanic response (*Chris Morris*)

Update from Chris on the provision of science advice to TEMO and also to other CDEM groups as there has been a request from several groups to clarify how and where the science advice will come into those groups following and during unrest.

Shared that the NZVSAP group was formed after the TSVAG for the purpose of providing volcanic science advice and they are forming a sub-group to look at this matter in particular.

The sub-group will involve CDEM groups, members of NZVSAP, REMAs. That subgroup is intending to answer the question of how and when science advice will be fed into the groups and what processes and structures will be used and needed. This work is not complete so the impact on the TSVAG terms of reference is not yet clear so the response role of the TSVAG group may need to stay as it is until we have clarity. This group will be broad and will be managed through the hazard risk management team at NEMA who also administer the NZVSAP. There is no timeframe established for this work, it was an action item from the last NZVSAP meeting and we need to report back actions by the next NZVSAP. Not sure when the group will be formed.

Teresa noted that she is working her way around relevant parties having discussions to try and clarify and satisfy our CDEM group that we will have access to sufficient advice and information on which the Group Controllers can make decisions during a response. This is an issues for all hazards not just volcano.

Chris noted that we do need to allow time for the NZVSAP to work through their procedures first.

Nico from GNS shared that the final draft of the Response SOP for the NZVSAP is nearly finished and deals with how it will establish and stand-up during unrest and deals with how to bring CDEM Groups into the conversation early.

If there was unrest tomorrow there would be GNS staff interacting with NEMA and also GNS staff working with CDEM Groups. We would have science advice going to both levels of government. It has never been the intent to provide the science advice only at the national level and hope that advice is making its way down. We are tackling both at the same time. Whakaari was a great example of that. The SOP is very much focused on response not recovery – focuses on how the group will stand up and operate as a group. It doesn't delve into the wider issues of science advice and how that will work with the group. There are still things that need to be done there.



There is a separate project on developing guidelines on how to bring science advice on things like health impacts to the best possible place in terms of response. They haven't explored the link to recovery yet. There are some good discussions to be had in that space.

Chris noted that the message has been heard about requiring clarity of where advice will come from for the CDEM Groups

Raised by Alister Davies that there has been an Earthquake Science Advisory panel that has been developed as well as a Volcanic Advisory panel to create consistency and unity across all groups.

Noted: Teresa noted that it is important for Group Controllers to have access to science advice not just in a passive sense but as part of an active conversation where questions can be asked and answered in a timely way. She appreciates the efforts that everyone is making to understand the issue. The current NZVSAP Terms of Reference September 2020 state that TSVAG will not convene during a response. Teresa notes that is not correct and that our own Terms of Reference do state that TSVAG will activate in a response

Noted that until we are satisfied that there is a better solution for science advice she recommends keeping our Terms of Reference as they stand.

Raised by Tom if an "unrest" started today, what do the scientists do? I know that GNS would activate but there is specialist knowledge and specialist expertise sitting outside GNS that would be useful in a response and/or in crisis advice. Take the Massey and Auckland Lahar experts for example. What do we do? What are the standing procedures I guess?

Shared by Nico the process that were used for managing previous events (Te Maari) and that NZVSAP science input and feedback to relevant CDEM groups.

Raised by Tom, how does this work and information agreed upon by NZVSAP get delivered to TEMO and relevant groups? In Whakaari there were two quite separate strands of work with NEMA and with the CDEM Group. We don't want to be thrashing this stuff out on the day.

Raised by Jon that Taranaki needs a "Response Plan" to manage clear actions for the region. Teresa clarified that this 'response plan' would be focusing on the science advice pathway not of the system as a whole which is a larger scale project.

Raised by Jon that whatever we do in this space needs to serve the best interests of our communities and our stakeholders but also be consistent with the current legislation and national plans that are out there. And national plans do allow anyone to seek advice from any agency but if we have a science response plan in place it will clarify some of these issues.

Action Teresa to think about the right people to start drafting this science response plan and who is best to get around the table to develop this. Teresa will contact these people.

Raised by Gary the benefits on compiling expert advice that should be coming from ALL areas of scientific expertise in a response e.g. agricultural advice. Not just GNS telling us about volcanic behaviour it is NIWA, ag research, plant soil etc.



Raised by Tom there are specific subgroups under NZVSAP around health, primary industries etc to provide that sort of organisational structure there as well. It is worth teasing out how NZVSAP would connect regionally. That is the final step that we are missing. Nico agreed with this.

Proposed by Teresa that this gets highlighted in the TOR and this is one of the items of focus within the TOR.

Item 5: Terms of Reference Review (Teresa Gordon)

Discussion on the draft TOR Teresa presented to the members in attendance.

Raised by Tami the importance of having an IWI Representative within the TSVAG group going forward.

Raised – by Craig the issues of what is response and what is recovery especially related to decisions that are time critical.

Raised by Nico the reasons that other volcano advisory groups don't want to activate in response is that they think they already have well defined roles in response and don't want to duplicate that through an advisory group. It would have caused confusion for that immediate response. Are you doing the role of your agency or are you duplicating your role through another group. They wanted that clarity there and I can sympathise.

He also supported the role of TSVAG having oversight of whether the monitoring system was fit for purpose but if they decide it is not then that needs to go into the national context because volcano monitoring and GeoNet is not funded by CDEM Groups. It is mostly funded through a range of national groups. So how do we go from a regional discussion to something gets supported at a national level? We haven't worked out these details just yet.

Action Teresa to develop an implementation plan for achieving Iwi representation on the TSVAG. Teresa to contact Tami outside of the meeting to further discuss a range of ways of achieving this and bring it back to the group. Including taking guidance from the Joint Committee iwi reps.

Moved that the TSVAG group accept the draft TOR as amended within the meeting, noting that they need to go to Joint committee for approval and will be reviewed again at the next TSVAG meeting on 26th May 2022.

Moved: Teresa Gordon

Seconded: Jon Procter

Accepted by the members present that the TSVAG group accept the current draft TOR to be Reviewed at the next TSVAG meeting on the 26th May 2022.

Action Teresa to send out an updated final draft version of the TOR to the TSVAG group.

Item 7: Taranaki Maunga online learning project (Craig Campbell-Smart)

Overview from Craig on the current work being done to pull together an "Online Learning Project" focused on lifeline utilities.



Opened it up to the TSVAG members for discussion and get endorsement from the TSVAG group that this project is worth doing.

Agreement from the group that it is worth doing.

Item 8: Transitioning Taranaki to a Volcanic Future project update (Prof Tom Wilson)

Update Presentation from Tom on the TTVF project. He covered the economic modelling phase of the project that is getting underway.

Shared that the first of the TTVF workshops will take place next week 30th Nov and 1st Dec at TEMO.

Item 9: Lahar Study Smart Ideas proposal (Stuart Mead)

Presentation and Overview from Stuart on the current “Smart Ideas” lahar modelling project.

Noted from Gary Bedford he declares a potential “conflict of interest” with this item and he will have no participation in any discussions with this item.

Item 10: General Business

Shared from Brad that the mountain is “quiet” even though there have been two earthquakes underneath it. Nothing more to add from a volcanic activity space. Update to be given at the next meeting.

Shared from Teresa that the CDEM Resilience funding applications close on the 31st January 2022. TEMO intending to apply for funding to cover a Response Plan and before the next TSVAG meeting.

Action Teresa to send out a proposal to the TSVAG group for review, support, and feedback.

Brief update from Cindy Werner on her current water sampling on local streams for volcanic waters.

Actions from Meeting

Action Items	Ref	Owners	Due Date
1. Pip to send out the presentation with the minutes FYI only. Any duplication of this information needs prior approval from Hannu Seebeck.	Item 4	Pip	With the minutes



2. Podge to connect with Sarah and Hannu to understand the Tsunami risks more and will arrange a meeting between relevant groups.	Item 4	Podge	asap
3. Teresa to think about the right people to start drafting this science response plan and who is best to get around the table to develop this. Teresa will contact these people.	Item 6	Teresa	By May 2022
4. Teresa to send out an updated final draft version of the TOR to the TSVAG group.	Item 5	Teresa	With the minutes
5. Teresa to develop an implementation plan for achieving Iwi representation on the TSVAG. Teresa to contact Tami outside of the meeting to further discuss a range of ways of achieving this and bring it back to the group. Including taking guidance from the Joint Committee iwi reps.	Item 5	Teresa and Tami	asap
6. Teresa to send out a copy of the CDEM Resilience Funding application proposal to the TSVAG group for review, support and feedback.	GB	Teresa	As soon as available

Meeting dates for 2022

- May 26th Thursday 10.00am TEMO, 45 Robe Street or via Zoom
- November 30th Wednesday 10.00am TEMO, 45 Robe Street or via Zoom

Meeting closed with a Karakia from Dave Rogers at 11.45am



Date: 24 February 2022

Committee: Taranaki Emergency Management Group Joint Committee

Subject: **Quarter Two Performance Report 2021-2022**

Approved by: Todd Velvin, Group Manager,
Taranaki Emergency Management Office

Purpose

1. The purpose of this memorandum is to present the Quarter Two Report for 2021 – 2022 to the Taranaki Emergency Management Co-ordinating Executive Group.

Executive summary

2. Performance reporting for the Taranaki Civil Defence Emergency Management Group (the Group) considers the statutory responsibilities under the Civil Defence Emergency Management Act (2002), the Taranaki CDEM Group Plan, strategic priorities, and available resources.
3. The Quarter Two Performance Report 2021-2022 financial year has been prepared for the Taranaki Civil Defence Emergency Management Group and is presented for the information of the Co-ordinating Executive Group.
4. The Quarter Two Performance Report 2021-2022 is attached in Appendix A.

Recommendations

That the Taranaki Emergency Management Co-ordinating Executive Group:

- a) receives memorandum, *Quarter Two Performance Report 2021-2022*.

Discussion

5. This is the second instalment of performance reporting for 2021/22 financial year for the Taranaki Civil Defence Emergency Management Group (the Group), as outlined in the Annual Plan 2021-2022.
6. COVID-19 has disrupted the TEMO work programme over the past 24 months and will continue to do so as Covid impacts on NZ and Taranaki.
7. In Taranaki the response is led by Taranaki District Health Board and Ministry of Social Development with the Taranaki Emergency Management Emergency Coordination Centre (ECC) continuing to support these partners.
8. Strategic Goals and Objectives

Progress against the Group Plan Objectives are tracked.

9. Budget Performance

The annual budget was included in the Annual Business Plan 2021-22. For the year-to-date TEMO has reported a variance of \$125,255 against budget.

10. Personnel

In August 2021 the Joint Committee approved the funding and appointment of GIS specialist for 2 year fixed term contract. Recruitment for this position is underway.

Recruitment is also underway to replace Alister Newton in the Marketing and Comms role.

11. Work Programme

Progress on the TEMO work programme is provided.

12. Significant Projects

Progress on the five significant projects in the TEMO work programme is provided.

Decision-making considerations

13. Part 6 (Planning, decision-making and accountability) of the *Local Government Act 2002* has been considered and documented in the preparation of this agenda item. The recommendations made in this item comply with the decision-making obligations of the *Act*.

Financial considerations

14. This memorandum and the associated recommendations are consistent with the CDEM Group's financial policies and its members' adopted Long-Term Plans and estimates. Any financial information included in this memorandum has been prepared in accordance with generally accepted accounting practice.

Policy considerations

15. The Performance Report has been prepared against existing work plan activities and measures in the Taranaki CDEM Group Plan, adopted under the Civil Defence Emergency Management Act 2002.
16. This memorandum and the associated recommendations are consistent with the policy documents and positions adopted by Taranaki CDEM under various legislative frameworks including, but not restricted to, the *Local Government Act 2002*, the *Resource Management Act 1991*, *Local Government Official Information and Meetings Act 1987* and the *Civil Defence Emergency Management Act 2002*.

Legal considerations

17. This memorandum and the associated recommendations comply with the appropriate statutory requirements imposed upon the CDEM Group listed in Section 17(3) of the *Civil Defence Emergency Management Act 2002*

Appendices/Attachments

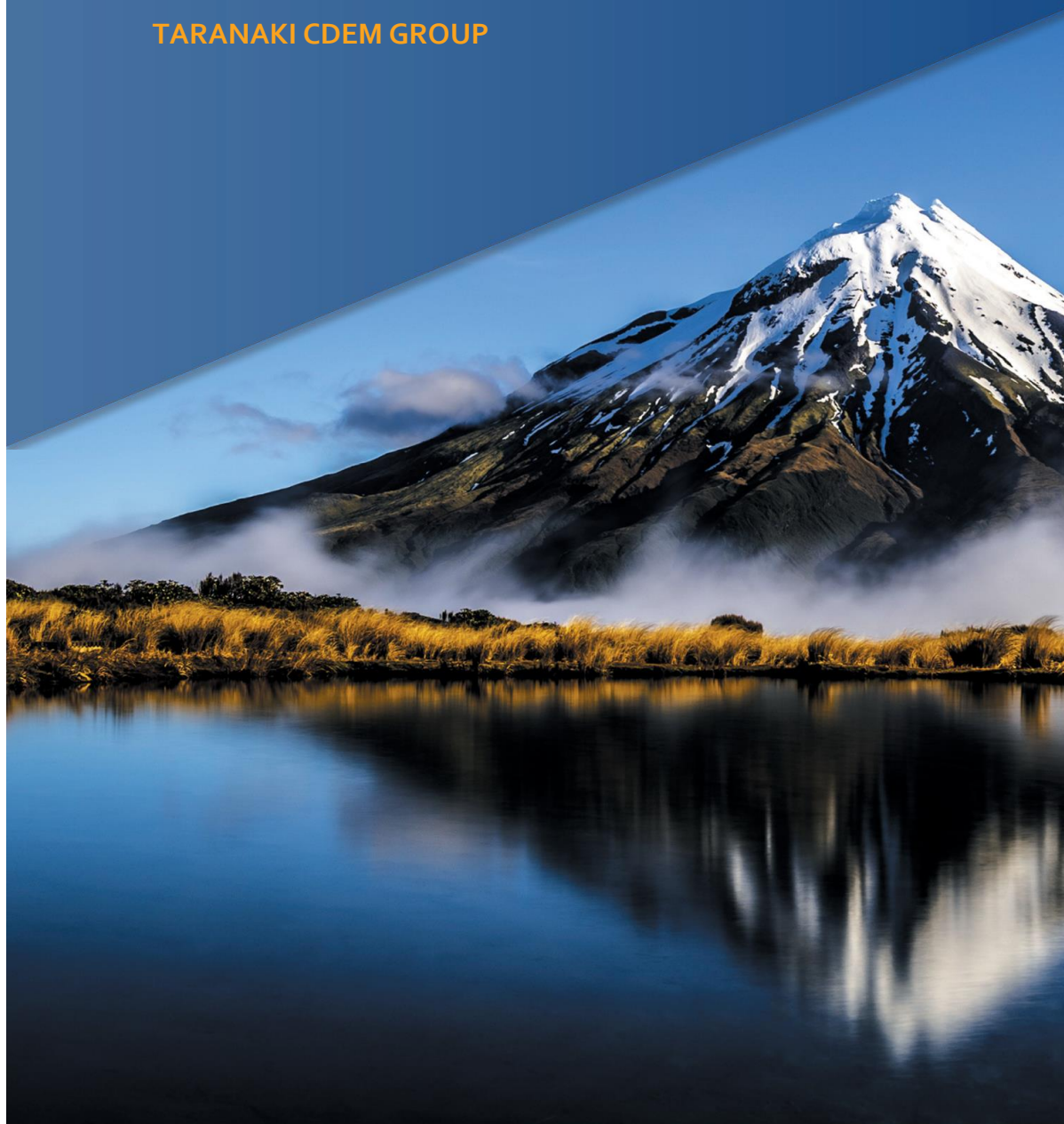
Document 2997636: Appendix A: Quarter Two Performance Report 2021 - 2022



DRAFT Performance Report

Quarterly Report Q2
For Financial Year 2021/22

TARANAKI CDEM GROUP



Document management

Author Sarah Gauden-Ing
Title CDEM Analyst
Date January 2022

Reviewer Todd Velvin
Title CDEM Regional Manager
Date January 2022

Endorsed by Taranaki Coordinating Executive Group
Date 10 February 2022

Authoriser Taranaki CDEM Group Joint Committee
Date

Version control

VERSION	CHANGES	DATE
vo.1	Original Draft, submitted to CEG for endorsement	04 February 2022
vo.2	Draft, submitted to Joint Committee for approval	14 February 2022

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Taranaki CDEM Group Vision 2025

Vision Statement

Where we're going

Our Taranaki community shows resilience through periods of disaster, crisis and change

Core Purpose

Why we exist

We deliver professional disaster risk and emergency management for Taranaki

Core Values

What we stand for

Collective responsibility: Shared between National, Group and District level

Unified approach: CDEM partners work for the overall benefit of the Taranaki Community

Organisational resilience: Any part of the system can lend support seamlessly

Strong relationships: Strong effective coordination and integration

Strategic goals

The fulfilment of our vision is underpinned by delivering on our six strategic goals, under the leadership and accountability of the CDEM Joint Committee

	Goal		Strategic measures	Responsibility
1	Governance	Our expectations from CDEM partners is clear and met through strong governance arrangements and accountability for delivery	Performance monitoring	CDEM Joint Committee Coordinating Executive Group
2	Disaster risk reduction	The risks from hazards, their likelihood and impacts, are understood and managed to reduce our risk exposure	Risk priorities and reduction activities	Group Office Local Councils
3	Organisational resilience <i>Readiness</i>	We build resilience into organisations and plan for the impacts from disaster and ensure our systems and arrangements are fit for purpose	Capability assessment	Group Office Local Councils CDEM Partners
4	Community resilience <i>Readiness</i>	Community resilience is strengthened so that the impacts from disasters are reduced	Community engagement	Group Office Local Councils Community
5	Capability development <i>Readiness, response and recovery</i>	We develop the capability of staff and volunteers to effectively carry out their roles in a disaster	Training completion	Group Office Local Councils
6	Response and recovery	We enable well managed effective responses, and we support the community's journey of moving on from the impacts of disasters	Activity performance	Group Office Local Councils Emergency Services Community

Note:

The vision of the Taranaki CDEM Group reflects the importance of integrated effort, partnership and cooperation within the CDEM sector agencies, so that we can work together with resilience and function at a high level during a disaster or emergency. The term 'resilience' means literally to 'spring back'. In the Civil Defence and Emergency Management sector resilience is described as the capacity to withstand and recover from the occurrence of a hazardous event

Executive Summary

This is the second instalment of performance reporting of the 2021-2022 financial year for the Taranaki Emergency Management Office (TEMO), as outlined in the draft Annual Plan 2021-2022 and for the Taranaki Emergency Management Group as outlined in the Group Plan 2018 – 2023.

Highlights of Quarter Two

COVID-19 has disrupted the TEMO work programme over the past 24 months, continuing to do so as Covid impacts on NZ and Taranaki.

In Taranaki the COVID response is led by Taranaki District Health Board and Ministry of Social Development with TEMO providing support to both partners and other organisations.

Over the Xmas period we provided welfare support to the Taranaki communities impacted by Covid and officially handed over this role to MSD on the 14th of January.

Financial reporting

Financial reporting is included in Section 2 and Appendix B.

Section 1 | Strategic Goals and Objectives






The CDEM Group Plan is a statutory document under the Civil Defence Emergency Management Act (2002) and is a high-level strategic document that sets out our vision, goals, principles, and objectives for action over the next five years.

Local Authorities enable implementation of the Group Plan through providing resources and funding for CDEM activities via their Long-Term Plans

Forty-three objectives were identified in 2019-2020 Group Plan, these are listed in Appendix A.

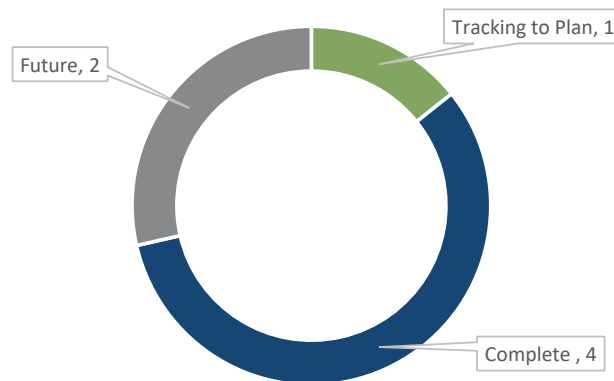
A summary of the Taranaki Group progress on those objectives is provided below

Key

	Completed
	Tracking to Plan
	Concerns - mitigations in place
	Concerns – no mitigations in place
	Future work

1.1 Governance

Our expectations from CDEM partners is clear and met through strong governance arrangements.



Progress this quarter

- Gov 3 – The TSVAG have consulted on and updated their Terms of Reference (see separated paper for approval).

Completed

- Gov 1 – performance monitoring and evaluation framework for the CDEM Group established
- Gov 2 – Financial policy arrangements established
- Gov 6 – Performance measures in place and reported on quarterly
- Gov 7 – Governance arrangements regarding the involvement and representation of Māori has been completed and approved¹

Tracking to plan

- Gov 3 – Advisory Groups established work programmes in development

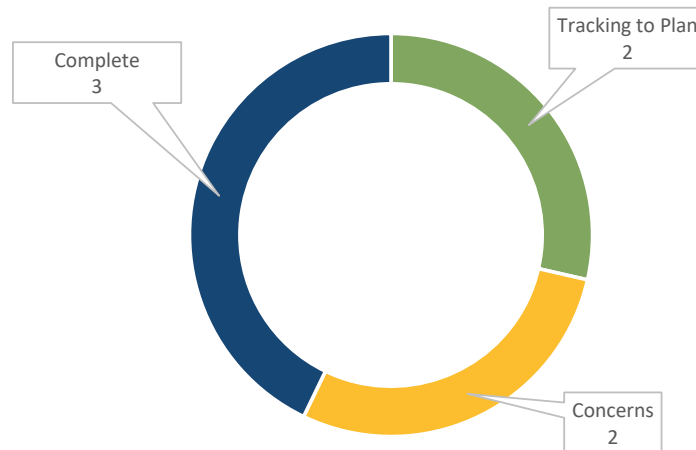
Future work

- Gov 4 – Group Plan Review (scheduled to begin 2022)
- Gov 5 – Constituting Agreement Review (scheduled to begin 2022)

¹ Work is ongoing to implement the approved arrangement.

1.2 Disaster Risk Reduction

The risks from hazards, their likelihood and impacts, are understood and managed to reduce our risk exposure.



Progress this quarter

- DRR 4 – GNS Science contracted to develop and deliver volcanic hazard maps.

Completed

- DRR 2 - Risk Reduction Advisory Group established (May 2018)
- DRR 5 – GIS strategy completed and approved by CEG (July 2021)
- DRR 7 - Regional Lifeline vulnerability study undertaken (December 2018).

Tracking to plan

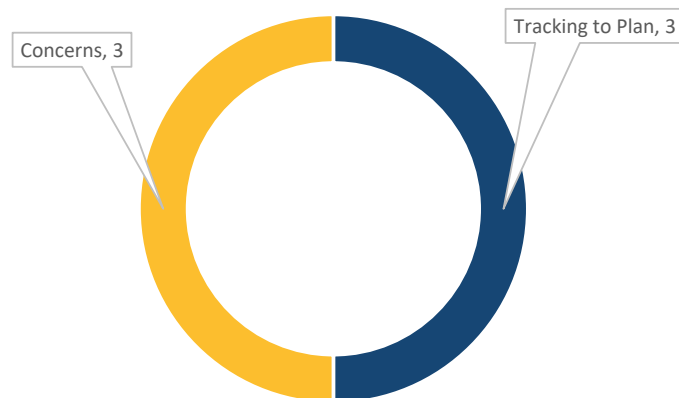
- DRR 4 - The CDEM Group will seek out and encourage applied hazard science research to benefit risk reduction planning.
- DRR 6 - Promotion of the integration of activities and a consistent CDEM risk reduction approach

Concerns – mitigations in place

- DRR 1 – Survey of current risk and hazard documents
- DRR 3 – Disaster Risk Reduction strategy developed

1.3 Organisational resilience (readiness)

We build resilience into organisations and plan for the impacts from disaster and ensure our systems and arrangements are fit for purpose.



Progress this quarter

- OR 1 – Ongoing use of D4HLive as the ECC/EOC information system (D4HLive) during the COVID-19 Delta Response.

Tracking to plan

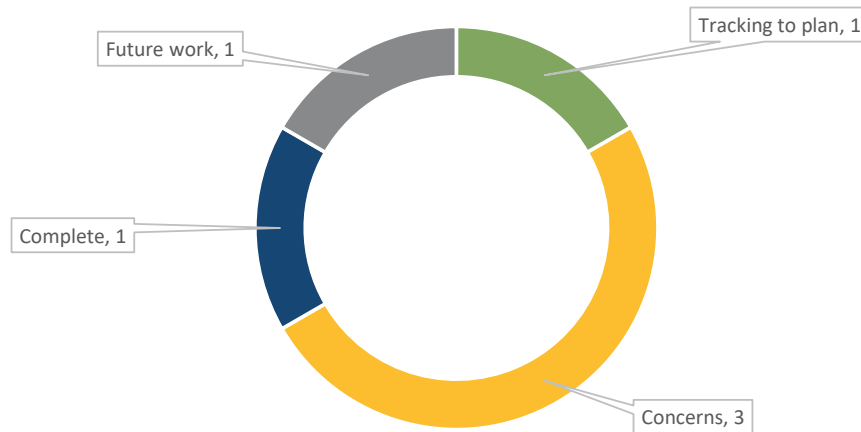
- OR 1 – Implementation of an information management system
- OR 3 - Capability development plan developed and implication underway
- OR 6 - Corrective action planning for continuous improvement

Concerns – mitigations in place

- OR 2 – EOCs/ECC Audits conducted to assess their capacity for response
- OR 4 - CDEM Group partner business continuity plans tested
- OR 5 – Recovery Programme Performance Measures

1.4 Community resilience (readiness)

Community resilience is strengthened so that the impacts from disasters are reduced and communities are equipped to adapt to change.



Progress this quarter

- CR 4 – Website development underway
- CR 5 – Review of the volunteer sign-up process underway, this includes ensuring the process meets the requirements of the Privacy Act

Completed

- CR 1 – Volunteer Management Strategy developed in 2018

Tracking to plan

- CR 4 – Development of a public education and community engagement strategy
- CR 5 - 500 community volunteers registered and trained

Concerns – mitigations in place

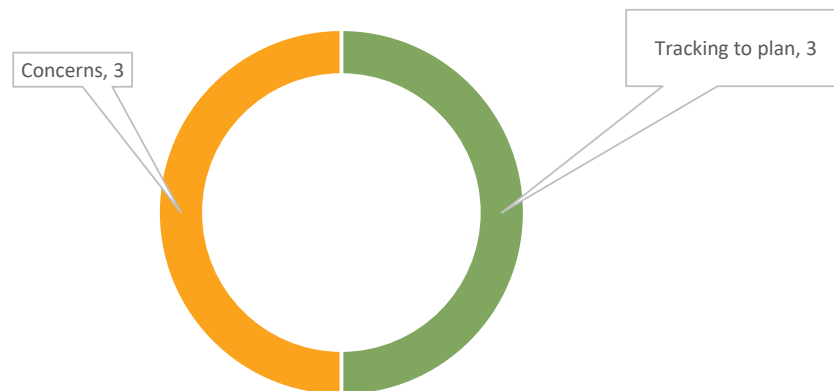
- CR 2 – Review of Civil Defence Centres
- CR 3 – Review and implementation of Community Resilience Strategy

Future work

- CR 6 - 10 Community Emergency Plans established

1.5 Capability development (readiness, response and recovery)

We develop the capability of staff and volunteers to effectively carry out their roles in readiness, response and recovery.



Progress this quarter

- CD 5 – Ongoing delivery of CIMS₄, ITF foundation/ intermediate and development of function specific courses, some delays and postponements this quarter due to COVID-19

Tracking to plan

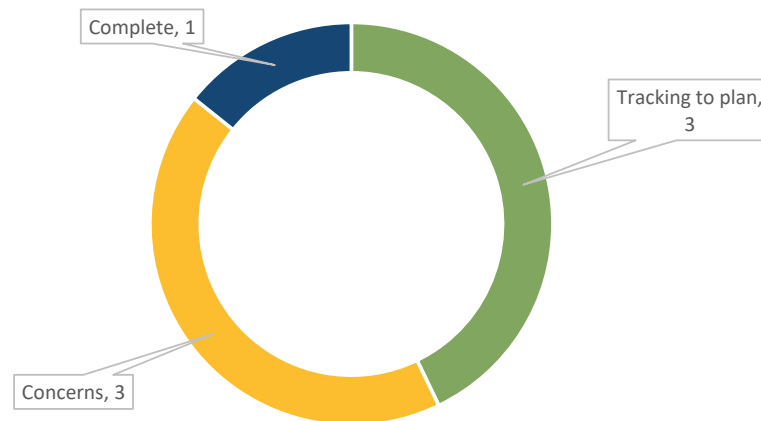
- CD 1 – NEMA Capability Development fund accessed for ongoing training
- CD 2 – Training records maintained in personnel (D₄H) and training portal (Takatū) systems
- CD 5 – 500 centre staff trained to Integrated Training Framework (ITF) Intermediate (or CIMS equivalent).

Concerns – mitigations in place

- CD 3 – Plan and run a regional Tier 2 Exercise – delayed as focus remains on building foundational skills.
- CD 4 – Proposed 2020 National Tier 4 Exercise (Alpine Fault) delayed due to COVID-19 and restructuring at NEMA. COVID-19 increased the capacity and capability of trained staff in region.
- CD 6 – Ongoing delays in the delivery of national CIMS function training. Where available and suitable TEMO are implementing and offering in the region

1.6 Response and recovery

We enable well managed effective responses, and we support the community's journey of moving on from the impacts of disasters.



Progress this quarter

- RR 5 – Review of the SoP and Function Plan work programme complete. Updates to priority plans underway, supported by work done during the COVID-19 Response.

Complete

- RR 1 – Readiness and Response Advisory Group Established
- RR 3 - Three district based EOCs and one regional ECC established

Tracking to plan

- RR 2 – All controllers complete the national training programme
- RR 4 – Review of all Response Plans and Standard Operating Procedures
- RR 8 – Recovery framework under development

Concerns – mitigations in place

- RR 5 - Standard Operating Procedures established and kept up-to-date
- RR6 – Significant progress on the recovery programme of work has been made with the appointment of a dedicated Recovery resource
- RR 7 – Hazard specific recovery planning in hazard contingency plans. Ongoing delays due to COVID-19 Responses and associated work.

Section 2 | Budget Performance

Operational and Capital budget performance is reported for TEMO, funded under apportionment arrangements by the four Taranaki Councils as follows:

Taranaki Council	Percentage
Taranaki Regional Council	34%
New Plymouth District Council	40%
South Taranaki District Council	18%
Stratford District Council	8%

2.1 YTD Budget performance

The quarter one financial report ending 31 December 2021 (attached in Appendix B) shows a variance of \$125,255.

2.2 CDEM Reserve

The TEMO 2020/21 year-end result resulted in a surplus of \$194,611.

At the August 2021 Co-ordinating Executive Group meeting it was agreed that up to \$150,000 of this surplus would be spent on implementing the Geospatial Strategy, in particular the appointment of GIS specialist for 2-year fixed term contract.

This leaves \$40,000 plus in the reserve.

Section 3 | Personnel

In August 2021 the Joint Committee approved the funding and appointment of GIS specialist for 2-year fixed term contract. Recruitment for this position is underway alongside a replacement for Alister Newton who has vacated the Communications and Marketing role to take up a new position at TSB.

TEMO restructure has now been confirmed with EOI from the current team for the two new lead roles being sought. This restructure sees no new staff or anyone losing their job but a reconfiguration to best suit a growing team and workload.

Section 4 | Work Programme

This report documents progress of Taranaki Emergency Management Office against Annual Business Plan 2021/22, which was approved by the Joint Committee at their November 2021 meeting.

COVID 19 continues to be an ongoing challenge. Health remains the lead agency for the COVID-19 Response and the Ministry for Social Development (MSD) has established Care in the Community to support persons isolating. TEMO and particularly the Group Welfare Manager are working to support both TDHB and MSD's response and ensure that they are connected to relevant agencies who can support their response. Over the Christmas and New Year period TEMO staff, Duty Officers and volunteers provided food and other critical needs to persons in our community.

Function	Key Deliverable	Status
Capability Development	Deliver training as per the Capability and Development Plan 2020-2021	<p>Courses delivered this quarter were</p> <ul style="list-style-type: none"> Foundation Courses (20 October 2021 and 3 November 2021) PIM Course (26 October 2021) Intermediate Course (9 November 2021) <p>TEMO staff also attended a Fire Extinguisher training course on the 9 December 2021</p>
	Deliver a continuous improvement of the CIMS Function Checklist	The content for the Response Common Systems and Access Guidance Plan has been collated and drafting of the plan is underway
	Deliver a continuous improvement of Standard Operating Procedures (SoP)	Response Actions Plan for each specific functions are underway.
	Update and maintain the Duty Officer documentation	D4H Org SOP has been finalised and signed off by the Group Manager
	Establish D4H Live as a means of creating a Common Operating Picture	Staff feedback on the Duty Officers Manual has been received and the final draft is being compiled and will go to the Group Manager for sign off next quarter.
	Ensure ECC is operational	D4H Live continues to be our incident management software of choice. D4h Live enhancements continue, and the development of a user guide and super user guide are in progress.
Communications and Marketing	Upgrade the TEMO website	Monthly checks completed
	Deliver the 2020 Communications and Marketing Plan	Underway. NPDC are project managing the upgrade while TEMO provides design and content.
	Increased engagement with communities	Supporting the development of the volcanic infographic education campaign Regular newsletters are produced and distributed Ongoing support of the national campaigns including Shakeout and COVID-19 response.
Contingency Planning	Develop and adopt the Earthquake Response Plan	A draft plan has been developed and testing of its validity is underway with Emergency Services
	Develop and adopt the Tsunami Response Plan	Drafting of an update to the existing plan is underway

Function	Key Deliverable	Status
	Support the Transitioning Taranaki to a Volcanic Future – He Mouna Puia project	Ongoing support provided; TEMO's focus has been the development of the Volcanic Infographic Information poster series.
	Implement the GIS Strategy 2021-26	Eagle Tech have been contracted to start the implementation of the strategy until a GIS specialist can be appointed.
Recovery	Deliver the Strategic Recovery Plan	Drafting of the plan achieved and review with local Recovery Managers completed Priority actions identified Presentation to CEG and awaiting approval for wider engagement
Welfare and Resilience	Update the Welfare and subfunction plans	The focus this quarter has been the ongoing COVID 19 pandemic and ensuring that welfare support process are people focused and integrated across agencies
	Support the council EMOs in delivery of resilience programme	Delayed due to COVID-19 Response and planning for resurgence
All	Support the Coordinating Executive Group and Joint Committee	The following meetings were held this quarter: <ul style="list-style-type: none"> Coordinating Executive Group (28 October 2021) Joint Committee (11 November 2021)
	Hold regular Advisory Group meetings	The following meetings were held this quarter: <ul style="list-style-type: none"> Readiness & Response Advisory Group on 6 October 2021 Risk Reduction Advisory Group on 14 October 2021 Rural Coordinating Group on 1 November 2021 Welfare Co-ordination Group on 3 November Taranaki Seismic and Volcanic Advisory Group on 25 November 2021
	Hold regular meetings of the CIMS Function Groups	The following meetings were held this quarter: <ul style="list-style-type: none"> Planning/Intel Managers Meeting on 4 November 2021 Recovery Managers Meeting on 23rd Nov 2021
	Continue building relationships across the sector	Our focus this quarter has been Welfare and Iwi, with a focus on COVID-19
	Group Duty System	TEMO maintains an 24/7 duty officer roster with a duty Group Controller also rostered on.

Function	Key Deliverable	Status
	Continue to support the COVID Response	<ul style="list-style-type: none"> • A watching brief maintained • TEMO staff member sits on the TDHB's IMT as CDEM liaison • Ongoing engagement and support of welfare agencies in planning for resurgence • Work has continued on concurrent event planning

Section 5 | Significant Projects

A significant project is defined as one that, alone or in combination with other concurrent projects, is anticipated to cause sustained work impacts that are greater than what is considered tolerable for delivery within existing TEMO resource.

Robe St Facility Improvements

Contributes to: Disaster Risk Reduction

Status

On track

Two additional improvements to the Robe Street Facility have been identified and included in the 2021/22 work programme:

- **ECC Radio Room Upgrade**
Ongoing waiting for contractor who is based outside of Taranaki to complete final tidy up jobs. Room is fully operational.
- **Radio replacement Programme**
Ongoing

Corrective Action Programme

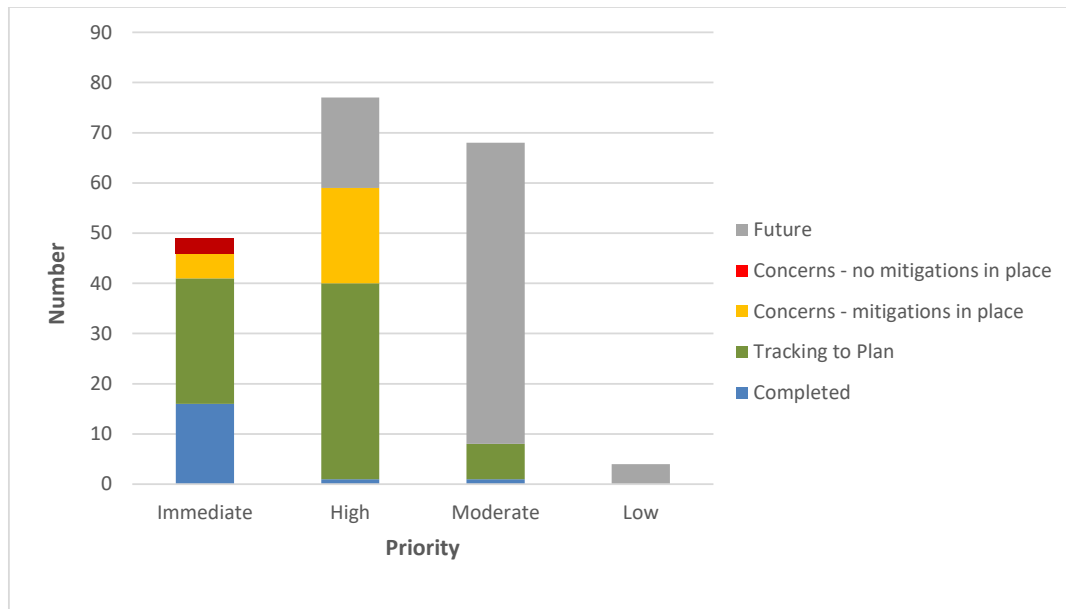
Contributes to: Organisational Resilience

Status

Some concerns

The Corrective Actions identified in the Monitoring and Evaluation Review and the COVID-19 Debrief have been combined into a single plan with a total of 199 actions.

Initial prioritisation and assignment of responsibility for these actions is underway and this will form part of the ongoing work programme for TEMO and councils.



Implementation of the Trifecta Programme

Status

Future

In 2021 the EMSR programme was replaced in 2021 by the NEMA led Regulatory Framework Review ("Trifecta") Programme to bring together three projects that have significant alignment. The projects are:

- developing a new Emergency Management Act (the Act);
- review of the National Civil Defence Emergency Management Plan Order (the Plan Order) 2015 and the accompanying Guide to the National CDEM Plan (the Guide) 2015;
- development of the National Disaster Resilience Strategy (NDRS) Roadmap.

NEMA will provide regular updates to the CEG and Joint Committee, through the Regional Emergency Management Advisor and letters to the CEG Chairs in the first instance.

These reforms will impact the Taranaki CDEM Group and TEMO as feedback will be sought during the reforms. The national focus this quarter has been the response to a number of flood events in the South Island and Auckland as well as the ongoing COVID-19 Delta outbreak.

First round of feedback has gone out to stakeholders and close on the 11th of Feb 2022.

Taranaki Unrest Response and Recovery North Island Plan (TURRNIP), Initial Phase (Resilience Funding)

Contributes to: Disaster Risk Reduction

Status

Some Delays

In January 2021 TEMO submitted an application to the Resilience Fund for the initial phase of the Taranaki Unrest Response and Recovery North Island Plan (TURRNIP); this is a shortened version of the 2019 bid which was not processed due to the review of the Resilience Fund. The focus of this shortened project is science communication and will support planning and outreach work.

On 31 March we were advised that we had been successful in our bid and have been awarded \$70,000. The project is being led by Teresa Gordon, CDEM Analyst with delivery scheduled for November 2021.

We entered into a contract with GNS Science to deliver the public hazard mapping component of this funding. A data governance group was established to provide oversight to mapping and information about Taranaki Volcanic Hazards. Initial user workshops were held with member of the public providing input into information requirements. Initial drafts of the hazard information sheets were produced and circulated to stakeholders for feedback. Delivery of the final versions was delayed due to the ongoing Auckland lockdown which prevented our contractor from returning to Taranaki and completing sign off meetings with key stakeholders. The infographic posters were released on 26 January 2022.

This project has been underspent by \$40,000 as TEMO have managed the project rather than contracting a project manager and combined the written document with the mapping project. TEMO applied to retain \$10,000 money for publication and distribution of the infographic posters, but this variation was declined by NEMA. Other funding sources have since been secured to enable printing to go ahead.

TEMO have made it clear in our funding bid and ongoing engagement with NEMA that this is the initial part of a multiyear project.

Welfare Registration and Need Assessment (Resilience Funding)

Contributes to: Response & Recovery

Status

Some Delays

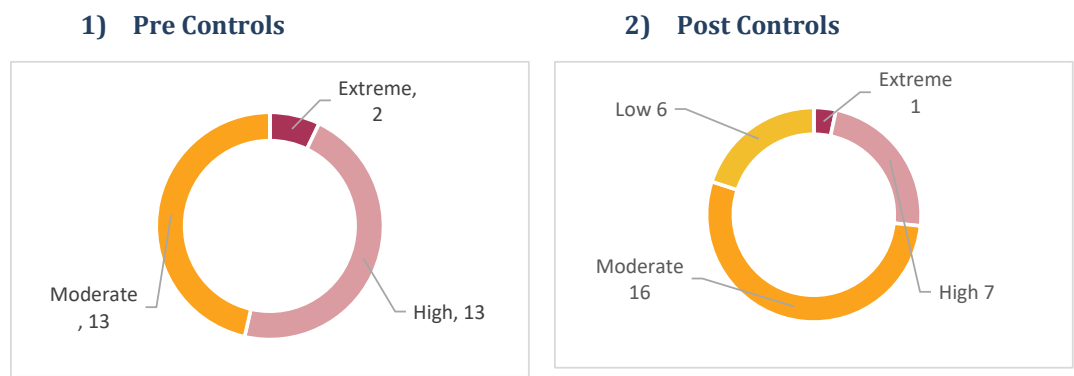
In March 2021, at the NEMA's request, TEMO submitted a second application to the Resilience Fund for the development of a Welfare Registration and Needs Assessment with integrated coordination and management capability investigation and development.

This project is to develop an interim IT solution to provide welfare needs assessments which is a critical response need. It reflects the current lack of a national solution; but TEMO supports the development and implementation of national solution. On the 31 March 2021 we were advised that we had been successful in our bid and were awarded \$30,000. Delivery was scheduled for October 2021.

Whilst the project experienced a range of delays it has now been completed and delivered. Implementation and training will be delivered across the region in the coming months. A final report has been submitted to the Resilience fund governance and there has been a request to present the outcomes to NEMA. TEMO and NPDC BTG project Manager are hoping to obtain additional support in order to realise a number of enhancements to the application that fell outside of the original scope. The successful completion of this project was made possible by the cooperation and partnership of TEMO and NPDC BTG team.

Section 6 | Risks

The Group Office is committed to managing risks that may impact on the delivery of the Taranaki CDEM Group activities and services, and/or the ability to meet its legal obligations.



Rating	
E	Extreme
H	High
M	Moderate
L	Minor

Extreme risk

- A Group Recovery Manager was appointed in December 2020; however alternative Group Recovery Managers still need to be identified, trained and appointed; the Group still does not meet its statutory obligations

Section 7 | Appendices

Appendix A: Group Plan Objectives

Strategic Goal	No.	Objective
Governance	Gov 1	A performance monitoring and evaluation framework for the CDEM Group (based on this Group Plan and other planning documents) will be established and implemented to ensure that the work of the Group remains on track to achieve the strategic goals outlined in this Plan, and to identify risks and issues that emerge over the course of the Plan that will need to be addressed.
	Gov 2	CDEM Group Financial Policy arrangements implemented to ensure accountability for delivery.
	Gov 3	Advisory Group work plans and priorities are established, implemented and contribute towards the 4 Rs
	Gov 4	Group Plan and annex documents review commenced 12 months prior to expiry to comply with legislative requirements.
	Gov 5	Review the Constituting Agreement within five years to ensure governance and delivery arrangements are fit for purpose.
	Gov 6	An annual report will be submitted by member councils to CEG and the CDEM Joint committee regarding actions undertaken to improve their preparedness and readiness to respond to and recover from emergencies.
	Gov 7	Governance arrangements across the full range of Taranaki CDEM activities will be reviewed by 1 July 2020 regarding the involvement and representation of Māori.
Disaster Risk Reduction	DRR 1	A survey of all current risk and hazard documents completed to create a better understanding of the hazardscape for Taranaki.
	DRR 2	Disaster Risk Reduction Advisory Group established to create a focal point for ensuring the implementation of risk reduction measures across the region.
	DRR 3	Disaster Risk Reduction priorities developed into a Disaster Risk Reduction Strategy to address priority hazards.
	DRR 4	The CDEM Group will seek out and encourage applied hazard science research to benefit risk reduction planning.
	DRR 5	Regional GIS (Geospatial Information System) system established for the CDEM Group to improve the understanding of risk exposure and to enable better situational awareness during a response and recovery.
	DRR 6	The CDEM Group will promote the integration of activities and a consistent CDEM risk reduction approach within work programmes such as Councils' Long Term Plans, Resource Management Plans, and other stakeholder agency work plans, to ensure they are informed by the likely post-event consequences on communities.
	DRR 7	Regional Lifeline vulnerability study undertaken to improve the understanding of lifeline utility exposure to natural hazards and to create a basis for a work programme for risk reduction measures.

Strategic Goal	No.	Objective
Organisational resilience (readiness)	OR 1	Implement EMIS (Emergency Management Information System), or another suitable CDEM Group information system to improve the communications and record keeping of decisions made during emergency activations.
	OR 2	Audits of existing and proposed EOCs/ECC conducted to assess their capacity for response.
	OR 3	Training capability development plan developed and implemented to increase the number and capability of civil defence emergency management staff and volunteers.
	OR 4	CDEM Group partner business continuity plans tested based on hazardscape and likely impact scenarios to improve the capacity and capability of organisations to cope with and recover from emergencies
	OR 5	Development and implementation of performance measures by 2020 to monitor the progress against the recovery programme of work, and ensure the actions are achieving the required outcomes.
	OR 6	Continuous improvement practices are adopted and corrective action planning established and implemented following exercises and activations.
Community Resilience	CR 1	Develop and commence delivery of a Volunteer Management Strategy to increase the numbers and capability of volunteers.
	CR 2	Review and rationalise Civil Defence Centres to ensure they are fit for purpose.
	CR 3	Refine and continue delivery of our Community Resilience Strategy to ensure that its objectives of engaged, connected, resource and empowered communities is being achieved.
	CR 4	Develop and implement a public education and community engagement strategy focused on improving community preparedness to act in a coordinated and collaborative way during an emergency, and to strengthen their ability to adapt to change following an emergency.
	CR 5	500 community volunteers registered and trained in CIMS and other relevant topics to improve the level of skills in the sector.
	CR 6	10 Community Emergency Plans (including marae based) established and functioning to create local groups of prepared and skilled community volunteers to support communities to respond to and recover from emergencies.

Strategic Goal	No.	Objective
Capability development (readiness, response and recovery)	CD 1	Adult Community Education (ACE) funds and other funding sources for volunteer training investigated and accessed to increase the number of people able to be trained.
	CD 2	Training records managed to record staff and volunteer training for both currency and proficiency to create better knowledge about the community's capacity to respond to and recover from emergencies.
	CD 3	Plan and run at least one Tier 2 Exercise (whole of Group) to test and increase the capacity and capability of staff and volunteers.
	CD 4	Participate in all Tier 4 national exercises to test and increase the capacity and capability of staff and volunteers.
	CD 5	500 CDEM centre staff trained to Integrated Training Framework (ITF) Intermediate CIMS to provide a sufficient pool of trained staff within the region.
	CD 6	85% of CIMS function leads trained in relevant ITF Function Lead courses to ensure a sufficient skill level of critical staff.
Response and Recovery	RR 1	A Readiness and Response Advisory Group will be established (fulfilling Section 8 Guide to the National Plan requirement for and emergency services coordination committee) to improve the quality of communication and cooperation both between first responders and with Civil Defence Emergency Management.
	RR 2	All Group and Local Controllers complete National Controller Training Programme to improve decision making and emergency management skills.
	RR 3	Three district based EOCs and one regional ECC established to increase the capacity for response at a local level.
	RR 4	The accuracy and currency of all response plans and Standard Operating Procedures is assessed (and takes into account the response principles in this plan) and a programme for review developed.
	RR 5	Standard Operating Procedures established and kept up-to-date to ensure consistency of decision making and actions in an emergency.
	RR 6	<p>The Recovery programme of work to be completed by 2020 will guide the activities of the Group to prepare for recovery ahead of an emergency, and enable the Group and partner agencies to achieve the recovery principles and policies. This work will include (but is not limited to):</p> <p>Engagement with priority communities likely to be affected by specific hazards to understand their values and priorities, the likely consequences and the support needed. This will allow the necessary capabilities, processes and arrangements to be identified.</p> <p>Identification of key recovery partners needed to support recovery activities, including across local, regional and central government, non-government organisations, private sector, and within communities.</p> <p>Identification and prioritisation of actions to address gaps in recovery preparedness</p>
	RR 7	Hazard specific strategic recovery planning will be undertaken at the same time as hazard response contingency planning for the 15 Group Plan priority hazards over the life of this Group Plan to enable comprehensive emergency management.
	RR 8	A framework for the coordination of recovery activities and collaboration post emergency will be established by 2021.

Appendix B: TEMO 2021/22 Financial Report

Profit and Loss Summary Report to 31 December 2021

	TEMO		
	22GENA	22GENR	
	Actual YTD December	Budget YTD December	Variance YTD December
Revenue			
Other revenue			
160 - User fees and charges	75	0	(75)
169 - Other Operating incl Rebates & Recoveries	(21,280)	(110,000)	(88,720)
Total Other revenue	(21,205)	(110,000)	(88,795)
Subsidies and grants			
1001 - Operations	(30,000)	0	30,000
3971 - TEMO Projects	(55,042)	0	55,042
4976 - STDC Recoveries	(127,327)	(127,267)	60
4977 - SDC Recoveries	(56,563)	(56,563)	0
4978 - TRC Recoveries	(240,394)	(240,394)	0
4979 - NPDC Recoveries	(282,816)	(282,816)	0
4980 - Ministry of Civil Defence Recoveries	0	(31,250)	(31,250)
Total Subsidies and grants	(792,142)	(738,290)	53,852
Total Revenue	(813,347)	(848,290)	(34,943)
Expenses			
Personnel costs			
220 - Salaries and wages - Payroll Only	414,876	405,474	(9,402)
223 - Other employee benefits - Payroll Only	7,465	16,857	9,391
224 - Employee Development & Education	16,202	13,112	(3,090)
225 - Employer contributions - Payroll Only	12,222	10,921	(1,301)
229 - Other personnel costs	12,519	62,500	49,981
Total Personnel costs	463,284	508,863	45,579
General operating expenditure			
231 - Insurances	3,726	6,132	2,406
232 - Legal and professional fees	6,137	8,176	2,039
233 - Occupancy and utilities	9,996	17,652	7,656
234 - Property Maintenance	12,316	0	(12,316)
235 - Communications	5,528	0	(5,528)

236 - Advertising and Marketing	10,395	26,507	16,112
238 - Travel and accommodation	3,496	0	(3,496)
245 - Other general costs	26,876	13,317	(13,559)
Total General operating expenditure	78,470	71,784	(6,686)
Direct costs of activities			
250 - Contracts	1,430	131,571	130,141
252 - Plant and equipment hire	246	0	(246)
253 - Services	3,390	0	(3,390)
254 - Materials	470	0	(470)
255 - Fleet & Plant Consumables & Maintenance	4,755	4,550	(204)
Total Direct costs of activities	10,291	136,121	125,830
10 - Depreciation - operational assets	9,771	16,788	7,017
Total Expenses	561,815	733,556	171,740
EXTERNAL OPERATING (PROFIT)/LOSS	(251,531)	(114,734)	136,797
INTERNAL CHARGES			
300 - Pass thru from Shared Services expense	325	0	(325)
310 - Labour allocation expense	0	2,500	2,500
315 - Fixed Amount Charge of Shared Services	64,912	64,390	(522)
320 - On-charges expense	9,049	20,444	11,395
330 - Interest allocation expense	17,669	0	(17,669)
INTERNAL RECOVERIES			
APPROPRIATIONS			
391 - Depreciation funding/ (unfunded)	(9,771)	(16,691)	(6,921)
395 - Capital Appropriations	0	0	0
TOTAL NET RESULT	(169,347)	(44,092)	125,255

Notes:

1



Date 24 February 2022

Committee: Taranaki Emergency Management Group Joint Committee

Subject: **Resignation of David Langford, NPDC Local Controller**

Author Ben Ingram, Regional COVID-19 Recovery Manager

Approved by: Kelvin Wright, Deputy Chief Executive/Group Manager
Strategic Partnerships, New Plymouth District Council

Purpose

1. The purpose of this memorandum is to advise the Taranaki Emergency Management Group Joint Committee of Mr. David Langford as the Local Controller for New Plymouth District Council and to outline a process for the replacement of this statutory position.

Executive summary

2. The Group appointed Mr David Langford as a Local Controller under Section 27 of the CDEM Act 2002 at their meeting on 19 June 2018.
3. Mr Langford has tendered his resignation from New Plymouth District Council and as local Controller, effective 4 March 2022.
4. Mr Kelvin Wright remains as a Local Controller for New Plymouth District Council and the council are reviewing options for future appointments in this role.

Recommendations

That the Taranaki Emergency Management Group Joint Committee

- a) receives the Memorandum *Resignation of David Langford, NPDC Local Controller*
- b) notes that resignation of Mr David Langford from the role of Local Controller; and
- c) acknowledges the services that Mr David Langford has provided for the Taranaki CDEM Group in his time as Local Controller.

Background and Discussion

5. The position of Local Controller, is appointed by the CDEM Group under Section 27 of the *Civil Defence Emergency Management Act 2002*
(1) *A Civil Defence Emergency Management Group may appoint 1 or more persons to be a Local Controller, and direct that person or persons to carry out any of the functions and duties of, or*

delegated to, the Group Controller of the Group and to exercise the powers of Controllers in the area for which the Group Controller is appointed, including, but not limited to, the powers in sections 86 to 94.

6. Mr David Langford has resigned from his role at New Plymouth District Council and his position of Local Controller, effective 4 March 2022.
7. Mr Kelvin Wright remains as a Local Controller for New Plymouth District Council and the council are reviewing options for future appointments in this role.
8. A list of current CDEM statutory appointments for the Taranaki Region is included as Appendix A.

Decision-making considerations

9. Part 6 (Planning, decision-making and accountability) of the Local Government Act 2002 has been considered and documented in the preparation of this agenda item. The recommendations made in this item comply with the decision-making obligations of the Act.

Financial considerations—LTP/Annual Plan

10. Controller compensation for staff is the responsibility of the employer or contract owner for contracted staff.
11. This memorandum and the associated recommendations are consistent with the CDEM Group's financial policies and its members' adopted Long-Term Plans and estimates. Any financial information included in this memorandum has been prepared in accordance with generally accepted accounting practice.

Policy considerations

12. These appointment is consistent with Group Plan and the Coordinated Incident Management System (CIMS) v3.
13. This memorandum and the associated recommendations are consistent with the policy documents and positions adopted by Taranaki CDEM under various legislative frameworks including, but not restricted to, the Local Government Act 2002, the Resource Management Act 1991, Local Government Official Information and Meetings Act 1987 and the *Civil Defence Emergency Management Act 2002*.

Legal considerations

14. The Appointment of Local Controller are made in accordance with Section 27 of the *Civil Defence Emergency Management Act 2002*.
15. This memorandum and the associated recommendations comply with the appropriate statutory requirements imposed upon the CDEM Group listed in Section 17(3) of the *Civil Defence Emergency Management Act 2002* and the associated recommendations comply with the appropriate statutory requirements imposed upon the Council.

Appendices/Attachments

Appendix A: Taranaki CDEM Statutory Appointments.

Appendix A: Taranaki CDEM Statutory Appointments as from 4 March 2022

Controllers

Lead Group Controllers

- Todd Velvin

Alternate Group Controllers

- Sue Kelly
- Brent Manning
- Sven Hanne

Local Controllers

- Kelvin Wright New Plymouth District Council
- Sven Hanne Stratford District Council
- Blair Sutherland Stratford District Council
- Liam Dagg South Taranaki District Council
- Simon Wilkinshaw South Taranaki District Council

Recovery Managers

Group Recovery Manager

- Craig Campbell-Smart

Alternate Group Recovery Managers

-
-

Local Recovery Managers

- Callum Williamson New Plymouth District Council
- Ben Ingram New Plymouth District Council
- Kate Whareaitu Stratford District Council
- Andrea Mathews Stratford District Council
- Scott Willson South Taranaki District Council
- Janine Maruera South Taranaki District Council

Group Welfare Managers

- Karen (Kaz) Lawson Group Welfare Manager
- Chade Julie Alternate Group Welfare Manager



Date: 24 February 2022

Committee: Taranaki Emergency Management Group Joint Committee

Subject: **Submission to proposed Critical Infrastructure amendments to Civil Defence Emergency Management Act, Round 2**

Presenter: Craig Campbell-Smart
Principle Adviser & Group Recovery Manager

Approved by: Todd Velvin, Group Manager,
Taranaki Emergency Management Office

Purpose

1. The purpose of this memorandum is to present members of the Joint Committee with the Taranaki CDEM Group submission to the second round of proposed Critical Infrastructure (Lifeline Utilities) amendments to the Civil Defence Emergency Management Act.

Executive summary

2. The National Emergency Management Agency (NEMA) have commenced a regulatory framework review to update the Civil Defence Emergency Management (CDEM) Act, Plan Order/Guide, and National Disaster Resilience Strategy (NDRS) Roadmap. The review is aligned with the Emergency Management System Reform (EMSR) work programme based on the Government response to the Technical Advisory Group's recommendations 'Delivering better responses to natural disasters and other emergencies'.
3. In July 2021, NEMA consulted with the Lifeline Utility sectors and relevant agencies on nine proposed amendments to the Civil Defence Emergency Management Act 2002. Further targeted consultation was undertaken on two remaining policy proposals. These proposals have been reworked, taking into consideration sector and agency feedback from initial consultation.
4. Consultation feedback has been submitted by TEMO of behalf of the Taranaki CDEM Group, which is now presented to CEG and Joint Committee.

Recommendations

That the Taranaki Emergency Management Group Joint Committee:

- a) receives the memorandum submission to proposed Critical Infrastructure amendments to Civil Defence Emergency Management Act
- b) notes and endorses the content of this memorandum and consultation feedback 'Critical Infrastructure proposals for new Emergency Management Bill' contained in Appendix A.

Background

5. The National Emergency Management Agency (NEMA) has established a Regulatory Framework Review Programme (also known as the “Trifecta”) to bring together three projects that have significant alignment. The projects are:
 - 5.1. developing a new Emergency Management Act (the Act);
 - 5.2. review of the National Civil Defence Emergency Management Plan Order (the Plan Order) 2015 and the accompanying Guide to the National CDEM Plan (the Guide) 2015;
 - 5.3. development of the National Disaster Resilience Strategy (NDRS) Roadmap.
6. The Programme will ensure the Act, Plan Order/Guide, and NDRS Roadmap are aligned in content and outcomes, as well as ensuring the projects are coordinated and aligned with other NEMA projects and workstreams.
7. The Programme is also aligned with the Emergency Management System Reform (EMSR) work programme based on the Government response to the Technical Advisory Group’s recommendations Delivering better responses to natural disasters and other emergencies.
8. The Programme will incorporate feedback received to date through the development of the Strategy and the Emergency Management System Reform work programme. It will also coordinate stakeholder engagement and communications across the three projects to ensure it is effective and streamlined.

Discussion

9. Targeted consultation has been undertaken as part of the Regulatory Framework Review Programme on the Critical Infrastructure workstream, with feedback requested as part of a stakeholder consultation.
10. Through this second round of consultation NEMA are seeking feedback on:
 - 10.1. Planning Emergency Levels of Service (PELOS) during and after emergency;
 - 10.2. Reporting, Monitoring and Evaluation .
11. Feedback will help inform the development of a Civil Defence Emergency Management Act Amendment Bill which, pending Ministerial and Cabinet decisions, would be introduced by mid-2022.
12. Consultation feedback was requested from stakeholders on the 1st December 2021, with submission deadline of 17th December, which was subsequently extended to 14th January 2022.
13. Submission documents were forwarded to members of the Taranaki Lifeline Advisory Group (which includes the District Councils as members), for them to make separate organisation submissions.

14. A formal submission was prepared by TEMO and submitted on behalf of the Taranaki CDEM Group.
15. Due to timeframe constraints the submission was unable to be approved by CDEM Group governance, and following established practice, a full copy of the submission is now made available to CEG and the Joint Committee.

Decision-making considerations

16. Part 6 (Planning, decision-making and accountability) of the *Local Government Act 2002* has been considered and documented in the preparation of this agenda item. The recommendations made in this item comply with the decision-making obligations of the *Act*.

Financial considerations—LTP/Annual Plan

17. This memorandum and the associated recommendations are consistent with the CDEM Group's financial policies and its members' adopted Long-Term Plans and estimates. Any financial information included in this memorandum has been prepared in accordance with generally accepted accounting practice.

Policy considerations

18. This memorandum and the associated recommendations are consistent with the policy documents and positions adopted by this Council under various legislative frameworks including, but not restricted to, the *Local Government Act 2002*, the *Resource Management Act 1991*, *Local Government Official Information and Meetings Act 1987* and the *Civil Defence Emergency Management Act 2002*.

Iwi considerations

19. This memorandum and the associated recommendations are consistent with the Group's policy for the development of Māori capacity to contribute to decision-making processes (schedule 10 of the *Local Government Act 2002*) as outlined in its members' adopted long-term plan and/or annual plan. Similarly, iwi involvement in adopted work programmes has been recognised in the preparation of this memorandum.

Legal considerations

20. This memorandum and the associated recommendations comply with the appropriate statutory requirements imposed upon the CDEM Group listed in Section 17(3) of the *Civil Defence Emergency Management Act 2002* and the associated recommendations comply with the appropriate statutory requirements imposed upon the Council.

Appendices/Attachments

Document 2997651: Appendix A: Critical Infrastructure proposals for new Emergency Management Bill - Taranaki CDEM Group Submission.



Critical Infrastructure proposals for new Emergency Management Bill

The National Emergency Management Agency (NEMA) requests your organisation's feedback on two final proposals in relation to Critical Infrastructure (Lifeline Utilities) for a new Emergency Management Bill.

This document incorporates two proposals as well as space for you to provide your organisation's feedback on each proposal.

Background to these proposals

In July 2021, NEMA consulted with the Lifeline Utility sectors and relevant agencies on nine proposed amendments to the Civil Defence Emergency Management Act 2002.

Six of the proposals received strong support and were further updated based on the feedback and have now progressed to cabinet for consideration as part of the National Emergency Management's Regulatory Framework Review Programme (also known as the "[Trifecta Programme](#)"). The proposals that have been progressed are:

1. Replace terminology 'Lifeline Utilities' with 'Critical Infrastructure.
2. Creating a definition for Critical Infrastructure in the Civil Defence Emergency Management Act
3. Maintaining an up-to-date list of Critical Infrastructure sectors and entities via a Gazette Notice.
4. Creating Criteria for categorising an infrastructure sector or entity as a critical infrastructure entity.
5. Information sharing requirements before, during and after emergencies.
6. Requirements for the development of sector-specific response and recovery plans, similar to the existing National Fuel Plan.

The previous proposal on Lead Agency responsibilities is being further developed as part of the Trifecta Programme and is not in the scope of Critical Infrastructure workstream.

Transition period

NEMA is committed to ensuring Critical Infrastructure entities and relevant agencies are supported during the transition to the new regulatory approach. A number of the proposed changes will require a transition period to help sectors and entities adapt to the changes.

NEMA will work with the sector and relevant agencies to develop implementation programmes to ensure the proposed changes are well understood. Support will be available to implement these changes.

For some of the changes further guidance and resources will need to be developed to support the implementation program.

Consultation

Further targeted consultation is being undertaken on two remaining policy proposals. These proposals have been reworked, taking into consideration sector and agency feedback from our initial consultation.

We are seeking your organisation's feedback as part of a targeted stakeholder consultation.

Through this consultation we are seeking to:

- a. understand your level of support for the proposals in principle
- b. understand the challenges of compliance to these proposals and how these can be mitigated
- c. understand the mechanisms that will help support the implementation of these proposals
- d. identify any issues that have not been considered during the development of proposals
- e. identify potential practical and financial implications of the proposed changes.

Your feedback will help inform the development of policy proposals, which, pending Ministerial and Cabinet decisions and subsequent select committee process, is likely to be implemented in early 2023.

Submitter details

We ask that you provide feedback as an organisation using a single copy of this form.

Please ensure you fill in the box below to indicate who the feedback form is from.

Contact details	
Name (first and last)	Craig Campbell-Smart
Organisation	Taranaki Emergency Management Office (TEMO) on behalf of the Taranaki CDEM Group
Position	Principle Advisor & Group Recovery Manager
Email address	craig.campbell-smart@cdemtaranaki.govt.nz
Phone number	027 2435796

Please complete this form and email it to trifecta@nema.govt.nz by **17 December 2021**. If your organisation has no comments to make, please return with 'no comments' in the body of the email.

If you would like to discuss the proposals in person (or virtually) with a member of the Programme team, please email us and we will endeavour to arrange a meeting.

1. Planning Emergency Levels of Service (PELOS) during and after emergency

Under the current CDEM Act, Lifeline Utilities need to 'be operational to the fullest possible extent, even if it is at a reduced level during and after emergencies.

This requirement is necessary to ensure that our communities are well functioning, however no mechanisms are set out in the Act for sectors to establish emergency levels of service during and after emergencies to help:

- communities prepare based on the realistic expectations;
- inform the development of effective readiness and response planning;
- other critical infrastructure entities plan based on interdependencies and expected emergency service levels; and
- develop innovative solutions where services are severely compromised due the severity of the event scenario.

If we are to ensure that our communities are well-functioning, infrastructure systems must be able to respond to adverse conditions and quickly recover to acceptable levels of service. The process of establishing PELOS would enable service providers to better understand their vulnerabilities and interdependencies, as well as build resilience into their plans for response and recovery.

Note that 'the relevant sector responsible agency' referenced below (in most sectors the relevant regulator) is to ensure that proposed PELOS are considered alongside other sector-relevant factors such as pricing, quality, quantity, environment etc.

Proposal for planning emergency levels of service:

Ensure that Critical Infrastructure entities are able to function to the fullest possible extent, even though this may be at a reduced level, during and after an emergency. Critical Infrastructure providers must state their Planning Emergency Level of Service every three years, noting that they must be:

- measurable and timebound;
- meaningful to end-users;
- publicly available;
- stated against a known hazard, as nominated in conjunction with the respective CDEM Group;
- developed in conjunction with the relevant sector responsible agency and CDEM;
- shown in conjunction with a description of whether the level of service is projected to be achievable, for relevant geographical regions (i.e. region, town, city or suburb).

Such statements:

- can acknowledge that the service may not be delivered by the business-as-usual mechanism;
- are not statements of what will be achieved, rather statements of what the utility is planning to achieve, matched against hazard scenarios;
- acknowledge that there are times when a zero level of service may be achievable by the utility;
- may state that (in consultation with the relevant stakeholders and communities) the emergency management sector, NGOs and the impacted stakeholders and communities themselves may be providing, or contributing to, the delivery of the stated level of service;
- May take account of interdependencies with other critical infrastructure;
- Must be updated at three-year intervals

Feedback on proposal 1: Planning Emergency Levels of Service	
Do you support this proposal (<i>please select</i>)	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Please describe what, if any, challenges in compliance your organisation would face if this proposal were implemented, and how these can be mitigated.	
<p>1) The proposal states that the sector responsible agency will work with the respective CDEM Group to undertake PELOS. It is unclear what form and what level CDEM Group participation will be required at.</p> <p>CDEM Group involvement will be limited to the available and known hazard information. Currently much of CDEM Group hazard risk assessment is completed via the Group Plan process every five years, with the process standard indicated in the CDEM Group Planning Directors Guideline [DGL09/18]. Many CDEM Group have also undertaken Lifeline Vulnerability Studies which identify interdependencies and hotspots.</p> <p>CDEM Group risk assessments involve multiple stakeholder and expert participation, however, are often qualitative in nature, outlining the type, nature and areas of hazards and impacts, but lack the scientific rigour that can quantify hazard impacts.</p> <p>It is expected that responsible agencies will need quantified hazard impact information in certain circumstances, especially when assets are exposed to hazard phenomena that is infrequent but highly damaging (i.e. volcanic, earthquake, tsunami risks). This is because asset and network performance is rarely exposed to these types of events and is outside of lived experience of the operators. Quantified impacts will be needed to determine the likely damage state of assets and understand the disruption on network operations.</p> <p>A quantified level of hazard risk assessments does not sit with CDEM Groups, and Groups and sector responsible agencies will need to involve the scientific research community. It is recommended that the role of science agencies and research community to provide technical and evidenced hazard impact assessments, are considered and incorporated within the proposal.</p> <p>2) A second issue is that CDEM Groups would be working with multiple agencies, across multiple hazard types and interdependencies. There could be a significant resource expectation on CDEM Group to contribute in relation to the range of hazards for consideration of PELOS.</p>	
Please describe the mechanisms that would help support the implementation of this proposal.	
<p>Equitable funding or research programme science input across New Zealand, to ensure that hazard risk science is undertaken and available, and at a standard that is credible to inform PELOS, particularly for infrequent but high impact hazards.</p> <p>A description of the process to develop the PELOS, in conjunction with the range of partners and their roles and responsibilities would be valuable, ensuring that a standard process occurs. A standardised process will aid with confidence of accuracy and comparability of PELOS. Guidance to assist responsible agencies in completing the PELOS will be valuable. This could include:</p> <ul style="list-style-type: none"> - Examples of the way in which reduced service will be achieved. I.e. single way access, increased risk of breaching consents; - Description of mitigation options that have varying levels of risk. I.e. short term temporary repairs. Gradually getting back to a sustainable LoS. - Incorporating recovery planning to return from a PELOS to a BAU LoS, and incorporating lessons identified and risk reduction enhancements. 	
What, if any, additional issues have you identified with this proposal?	

The proposal does not include an assessment on the foreseeable impacts resulting from a PELOS.

It is assumed that the intent of the PELOS is to increase the planning and visibility of foreseeable critical infrastructure impacts, however does not describe or require how the PELOS information could be used with the aim to increase the overall resilience of NZ communities.

Please describe any practical and financial implications of the proposal for your organisation or the sector.

The limitation of staff time and technical expertise already identified.

Do you have any other feedback on this proposal?

We are supportive of the proposal, despite the resource implications identified.

2. Reporting, Monitoring and Evaluation

There is currently no requirement in the Civil Defence Emergency Management Act 2002 or the National Civil Defence Emergency Management Plan Order 2015 for Lifeline Utilities sectors to provide assurance of their ability to meet the obligations set out in the CDEM Act and/or the Plan. This has implications for Government's, and the broader community's ability to plan for emergencies.

To remedy this, we propose the introduction of a new obligation for entity's to annually report on their compliance with the CDEM Act, recognising the need for such statements:

- to be based on the entity's internal assessment of its capability and capacity to respond to a specific event; and
- to avoid, to the extent possible, duplicating existing reporting requirements on matters such as finances, operational compliance, and health and safety performance.

Specifically, we propose the following arrangements for reporting, monitoring and evaluation of Critical Infrastructure entities:

Critical Infrastructure entities must provide an annual statement to the responsible agency affirming that the organisation has the capability and capacity to meet obligations under the new Act signed by the entity Chief Executive or equivalent authority.

The responsible agency may review the CI entity's systems and processes to ensure that the entity has developed adequate capability and capacity to meet duties and responsibilities under this Act. This includes their ability to deliver upon their Planned Emergency Levels of Service. The responsible agency may also review an entity's systems and processes post an emergency if deemed necessary.

The responsible agency must confirm the respective sector's ability to meet their duties and responsibilities under this Act to NEMA annually and make relevant information available to CDEM Groups and/or NEMA on request.

Feedback on proposal 2: Reporting, Monitoring and Evaluation	
Do you support this proposal (<i>please select</i>)	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Please describe what, if any, challenges in compliance your organisation would face if this proposal were implemented, and how these can be mitigated.	
Nil identified.	
Please describe the mechanisms that would help support the implementation of this proposal.	
Nil identified.	
What, if any, additional issues have you identified with this proposal?	
<p>The reporting statement should also identify capability risks and mitigations planned or underway, in addition to capability and capacity levels. This provides a more complete picture of current and planned capability development.</p> <p>It is recommended to strengthen the reporting / availability of information flow to relevant CDEM Groups, especially where capability risks are identified. This could occur via NEMA as the primary recipient of information. This does raise the question of NEMAs capacity to receive, review and action this lifelines readiness.</p>	
Please describe any practical and financial implications of the proposal for your organisation or the sector.	
Nil.	
Do you have any other feedback on this proposal?	
Nil.	

Any other feedback

Any other feedback?
Do you have any other comments you would like to provide in relation to updating the arrangements for Critical Infrastructure/Lifeline Utilities?
Nil.



Date: 24 February 2022

Committee: Taranaki Emergency Management Group Joint Committee

Subject: **National Emergency Management Agency (NEMA) Correspondence and Update**

Presenter: Paul Renshaw, Senior Regional Emergency Management Advisor, National Emergency Management Agency (NEMA)

Approved by: Todd Velvin, Regional Manager
Taranaki Emergency Management Office

Purpose

1. The purpose of this memorandum is to provide the *Taranaki Emergency Management Group Joint Committee* of recent correspondence received from NEMA and to receive an update from NEMA's Senior Regional Emergency Management Advisor.

Executive summary

2. We have received the following correspondence for the CEG from NEMA:
 - Letter to CEG Chairs dated September 2021 from Dave Gawn (Appendix A)
This letter discusses the Trifecta Programme and the Hunga Tonga-Hunga Ha'apai volcano eruption in Tonga. The appendix covers the Trifecta Programme, COVID-19, Get Ready for COVID-19 Campaign, Public Education, NEMA 24/7 Monitoring Alerting and Reporting Centre, MoU signed between NEMA and the Ministry of Pacific People's and Pacific Tsunami Warning System: Meeting of the Intergovernmental Governance Group.
 - The tsunami public information package NEMA have developed in response to the Hunga Tonga-Hunga Ha'apai.
3. Paul Renshaw, Senior Regional Emergency Management Advisor for NEMA will also provide a verbal update to the committee.

Recommendations

That the Taranaki Emergency Management Group Joint Committee:

- a) receives and notes the correspondence received from NEMA
- b) receives and notes the verbal update provided by Malinda Meads.

Decision-making considerations

4. Part 6 (Planning, decision-making and accountability) of the *Local Government Act 2002* has been considered and documented in the preparation of this agenda item. The recommendations made in this item comply with the decision-making obligations of the Act.

Financial considerations—LTP/Annual Plan

5. This memorandum and the associated recommendations are consistent with the CDEM Group's financial policies and its members' adopted Long-Term Plans and estimates. Any financial information included in this memorandum has been prepared in accordance with generally accepted accounting practice.

Policy considerations

6. This memorandum and the associated recommendations are consistent with the policy documents and positions adopted by this Council under various legislative frameworks including, but not restricted to, the *Local Government Act 2002*, the *Resource Management Act 1991*, *Local Government Official Information and Meetings Act 1987* and the *Civil Defence Emergency Management Act 2002*.
7. This memorandum and the associated recommendations are consistent is consistent with *Taranaki CDEM Group Plan 2018- 2023*.

Legal considerations

8. This memorandum and the associated recommendations comply with the appropriate statutory requirements imposed upon the CDEM Group listed in Section 17(3) of the *Civil Defence Emergency Management Act 2002*.

Appendices

Document 2997747: Appendix A: Correspondence received from NEMA dated 1 February 2022

Document 2997753: Appendix B: Tsunami Warning and Advisories: A Public Information Guide (January 2022).

To: Coordinating Executive Group (CEG) Chairs
Cc: CDEM Group Managers, NEMA Senior Leadership Team and Regional Emergency Management Advisors.

Tēnā koutou katoa,

Welcome back to a new and exciting year for emergency management. I hope many of you have managed to set some time aside for your families and get some well-earned rest. I acknowledge however not everyone was able to fully step away from their emergency management roles.

The CDEM Sector is a critical function of Central and Local Government and it only functions as well as it does thanks to your continued support. The past couple of years have been especially difficult for those in the CDEM Sector and it is clear the worst effects of the pandemic have been significantly dampened thanks to your efforts. It has been no easy feat, especially with the number of concurrent events that have taken place, so I'm sure that I speak on behalf of all of those in Aotearoa when I thank you for your remarkable leadership, none of which has gone unnoticed. I ask that you relay to your teams that their extraordinary mahi is recognised and immensely valued.

I am sure that you are all aware of the devastating effects of the Hunga Tonga-Hunga Ha'apai volcano eruption on Tonga. This event has given us a stark reminder of the tsunami threat faced by Aotearoa and has raised the importance of a nationally uniform understanding of tsunami warnings and advisories. To support us in achieving this, we have created the attached public information guide for your use. Please direct any questions to Roger Ball (roger.ball@nema.govt.nz).

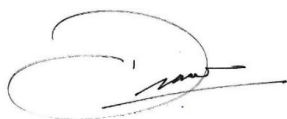
On the topic of information sharing, I would like to thank you for your continued support to the Trifecta Programme and your engagement with the Trifecta webinars earlier this month. We look forward to receiving your written feedback through the survey on our [online platform](#), which will remain open until February 11.

The remainder of this letter includes our latest Trifecta and COVID-19 updates; introduces a number of significant projects within the communications and public education space; provides an update on the progress of NEMA's 24/7 Monitoring, Alerting, and Reporting (MAR) Project; introduces a significant partnership for NEMA; and recognises a number of internationally significant appointments.

To end my message, I would like to reiterate that the CDEM Sector cannot remain as successful as it is without each and every one of you. As such, I want to emphasise that looking after our personal health and wellbeing – and that of our whānau - must remain a priority, as we must look after ourselves if we are to effectively look after our communities.

As the pandemic moves past the challenges of the current variant, I hope to get around the country and meet with you face to face. In the interim we will continue to work as closely as we can with you to ensure we keep communities safe.

Ngā mihi



Dave Gawn

Te Tumu Whakahaere, Te Rakau Whakamarumarū
Chief Executive, National Emergency Management Agency

Trifecta

Contact: Trifecta@nema.govt.nz

Thank you to those able to attend the online introductory sessions in the week of 17 January. The six sessions were well attended with over 350 external people able to join. The discussions at the meetings were highly constructive and provided us with valuable insights, including positive feedback.

We heard concerns regarding the timeframe for engagement, and connection to other reforms. We are aware an earlier introduction would ensure time for local government submissions ahead of Triennial Local Body Elections. There will also be opportunities for engagement on the work to review the CDEM Plan and Guide.

We look forward to receiving written feedback on the policy proposals via the [online platform](#) before the closing date of 11 February 2022. You are welcome to contact Trifecta@nema.govt.nz if you have any questions about how to complete the online feedback.

This is not a formal consultation or public consultation, rather we seek feedback on early options before final policy proposals are provided to Ministers, from the perspective of emergency management professionals. When the Bill is introduced to the House, Cabinet papers will be proactively released, and Regulatory Impact Statements (which include options analysis, costs, and benefits) will be shared. The opportunity for formal submissions (e.g. from CDEM Groups and local authorities) at the Select Committee process, will allow more time for your internal engagement and with the benefit of further detail.

We have done our best to ensure that the online introductory session invites and supporting material were provided to CEGs, but we are aware that some CEG members may not have received this. NEMA does not hold a central mailing list of local emergency management staff, please email Trifecta@nema.govt.nz so we can update our distribution lists. Thanks again for your support to ensure this reaches the right people.

Minister Allan is hosting a stakeholder engagement meeting with Māori practitioners in the Emergency Management System on February 16th to gather their views and ideas to inform the design of the policy, from their perspective. She would also like to hold an engagement meeting with Mayors and Chief Executives before then. More on this once the details are confirmed.

COVID-19

Contact: Roger Ball (Manager, National Operations) roger.ball@nema.govt.nz

New Zealand is now moving into a new phase of the pandemic with the Government preparing for Omicron spreading rapidly in the community and consequential impacts on the Health sector, workforces and supply chains in particular. I appreciate this also affects the local government space and the essential services provided to your communities. As you will be aware, the Government is implementing a three phased approach with changes to testing, case investigation, contact tracing, isolation and quarantine requirements at each phase (information can be found [here](#)).

CDEM Coordinating Executive Groups will need to factor in Omicron, and the Government's new approach, into their readiness and response planning for both COVID and concurrent emergency events.

NEMA continues to support the All-of-Government response to COVID-19 as New Zealand moves into COVID Protection Framework Red setting and Phase One. We are working to understand the implications of the essential worker 'test to return' approach in Phase Two. This involves helping to identify essential staff across sectors including local government and

CDEM functions. We are working closely with central agencies and CDEM Groups to advocate for the CDEM sector's needs during this time of rapid national and regional planning.

CDEM Groups will not be required to provide COVID-19 welfare support under the Care in the Community programme to ensure they can focus on other emergency responses. However, they may engage or provide support at a regional level if requested and agreed with all agencies involved, potentially through the Regional Leadership Group coordination. Potential support includes coordination or assistance with distribution of kai boxes, if commercial and provider capacity is overwhelmed.

Should CDEM Groups agree to support the Care in the Community response, there is no expectation that new assessment systems are set up – these are already in place between Health and MSD. MSD is working on how it could potentially cover costs of any support that CDEM may provide – where it falls outside NEMA's reimbursement provisions. Any services and related cost recovery will need to be agreed prior to any work undertaken.

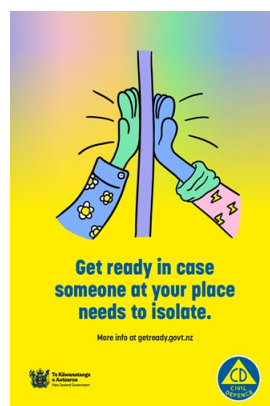
CDEM Groups are asked to continue their active support to Regional Leadership Groups in coordination of the Government's phased response to Omicron. Thank you again for your ongoing work to support the All-of-Government response to the COVID-19 pandemic.

Get ready for COVID-19 campaign

Contact: Anthony Frith (Manager Communications): Anthony.frith@nema.govt.nz

NEMA and the CDEM sector continue to collaboratively support the COVID-19 response. The latest (and most colourful!) contribution is our "Get Ready for COVID-19" campaign. This positive, practical and gently humorous campaign, which can be found on social media, online advertising, and street posters, promotes getting ready for COVID-19 through two calls to action – helping others get vaccinated, and getting your household prepared for self-isolation.

The two-pronged campaign leverages CDEM's established credibility in promoting household preparedness and "neighbours helping neighbours". The campaign has been developed in close collaboration with the Unite Against Covid unit and the Ministry of Health. The [Get Ready](https://getready.govt.nz) website has also been updated with a dedicated page promoting COVID-19 preparedness.



Public Education

Contact: Anthony Frith (Manager Communications): Anthony.frith@nema.govt.nz

Te Hikoi a Rūaumoko

Approximately 740 kura, kaupapa, and decile 1 – 6 schools across Aotearoa have received copies of Te Hikoi a Rūaumoko – Rūaumoko's Walk. This book has been written for tamariki mokopuna to help teach them about the natural warning signs of tsunami.

The writing of this book was a joint venture between Hawke's Bay Emergency Management Group, Te Puni Kōkiri, Ngāti Kahungunu Iwi, Te Ūranga Waka, and the Ministry of Education. This book can be found online at <https://www.hbemergency.govt.nz/assets/Documents/Education/Ruaumokos-Walk-Te-Hikoi-a-Ruaumoko.pdf>

Protect our Whakapapa activity book

NEMA is collaborating with Creative Natives on a pilot project to develop and distribute an emergency preparedness activity book, under the Protect our Whakapapa brand, to Māori communities in remote rural areas. Protect our Whakapapa is a grassroots kaupapa that shares simple, practical information and resources from a Māori worldview. The initiative will enable NEMA to reach communities that we have difficulty reaching through our standard channels and it will educate tamariki and their whānau about emergency preparedness through play.

6,000 copies of the activity book, together with a bag and colouring pencils, will be distributed to communities in Tairāwhiti, Te Waipounamu and Muruwhenua, targeting local primary schools, kura, hauora, rūnanga, marae, community groups, clubs, whare wānanga, and groups, kaupapa and whānau that have or teach young children.

New preparedness campaign programme

In the first half of 2022, NEMA will be developing a new preparedness campaign programme which seeks to reverse Aotearoa's trend of complacency in emergency preparation during peacetime. Through utilising targeted campaigning for Māori and Pacific people, this campaign will evolve from a "one size fits all" approach, to one that seeks to appeal to these communities' values, lifestyles, strengths and barriers.

Acknowledging the many communities within Aotearoa, NEMA has committed significant resource into researching Culturally and Linguistically Diverse communities (particularly Asian communities) to inform future preparedness campaigns targeting them.

Get Ready website – advice for disabled people.

NEMA has redesigned the advice for disabled people section within the Get Ready website to improve its accessibility and usability. This work, particularly the wording and structure of the pages, was well supported by the Ministry of Social Development. The new format provides a series of pages that are easy to navigate and hold relevant information. The content includes specific advice for people who have mobility issues, hearing or visual impairments, or use disability assist dogs, as well as general advice on preparedness planning.

This updated section can be found at <https://getready.govt.nz/advice-for-disabled-people/>

National Tsunami Evacuation Map

NEMA is currently building an online map which will allow people anywhere in Aotearoa to find out if they are in a tsunami evacuation zone. The map will take tsunami evacuation data from the sixteen different regional maps and it will be built with accessibility in the front of mind.

This national map is expected to be ready in the first half of 2022 and will initially be released as a public education tool on the Get Ready website. Once complete, this will be promoted with an awareness campaign encouraging people to familiarise themselves with their evacuation zones.

NEMA 24/7 Monitoring Alerting and Reporting Centre

Contact: Nick Davies (Team Leader, Duty Operations) nick.davies@nema.govt.nz

Work is continuing towards the development of the operating model for the new 24/7 centre which will go live on 30 June 2022. This centre will ultimately replace NEMA's on-call duty system and will monitor the inputs of a range of partner organisations (e.g. GNS Science, MetService, CDEM groups, etc). Once established, this will provide NEMA with real-time situational awareness of potential and emerging risks. NEMA looks forward to having a dedicated 24/7 team, as this will enable greater response times, information quality and flow, and ability to continue with non-response work programmes.

This project has now moved into a phase of significant recruitment, with the 17 positions advertised now being shortlisted. This recruitment includes 5 Watch Leaders and 12 Watch Officers. Strong interest has been received and we look forward to filling these roles soon.

MoU signed between NEMA and the Ministry of Pacific People's

Contact: Alan Cassidy (DCE, Strategic Enablement) Alan.Cassidy@nema.govt.nz

The first of December marked NEMA's second anniversary and the formalisation of a significant partnership between NEMA and the Ministry for Pacific Peoples (MPP). The Chief executives of NEMA and MPP together signed a Memorandum of Understanding (MoU) between the organisations. This MoU will better enable progress towards a safe and resilient Pacific community in Aotearoa by empowering them before, during, and after emergencies.

The MoU formalises a strategic relationship instigated by Carolyn Schwalger, NEMA's former Chief Executive, to ensure Pacific peoples' values, experiences and aspirations are at the centre of government emergency management decision making.

The Senior Leadership Teams of both agencies were to meet in February to develop a first joint NEMA and MPP agency work programme and to give effect to the MoU. This meeting is now being rescheduled due to the Red COVID Protection Framework setting.



Pacific Tsunami Warning System: Meeting of the Intergovernmental Governance Group

Contact: Jo Guard Jo.Guard@nema.govt.nz

New Zealand has been a member of the Pacific Tsunami Warning System (PTWS) since it was established in 1965. New Zealand, and more specifically NEMA, relies heavily upon the operational arm of the PTWS for notifications of Pacific based earthquakes that may trigger a tsunami. Since the catastrophic Indian Ocean tsunami of 2004, the PTWS expanded its focus to cover holistic tsunami hazard-risk mitigation by establishing working which focus on hazard identification, coordination between national warning centres and emergency management, emergency management response, and public awareness. Over the years, New Zealand has been active in all these structures.

The PTWS is governed by an Intergovernmental Coordination Group (ICG) which meets every two years. The ICG met virtually over four days throughout November-December and a number of New Zealanders were elected to structures of the PTWS:

- David Coetzee (NEMA): Vice Chair of the ICG/PTWS; and member of the Disaster Risk Management & Awareness Working Group
- Sarah-Jayne McCurrach (EQC): Co-Chair of the Working Group on Understanding Tsunami Risk; Co-Chair of the Task team on the UN Ocean Decade; and Co-Chair of the Task Team on Future Goals and Performance Monitoring
- Bill Fry (GNS Science): Chair of the Tsunami Detection, Warning & Dissemination Working Group; Chair of the Task Team on Integrated Sensor Networks; and member of the Task Team on the UN Ocean Decade
- Ashleigh Fromont (NEMA): Chair of the Disaster Risk Management & Preparedness Working Group (replacing David Coetzee who has been chairing this Working Group for a number of years), and member of the Task Team on Minimum Competence Levels for Tsunami Warning Centres
- Benita Murray (NEMA): Member of the Tsunami Detection, Warning & Dissemination Working Group and the Task Team on Integrated Sensor Networks
- Sara Mitchell (NEMA): Member of the Exercise Pacific Wave Task Team (in the past, NEMA's own Jo Guard played a pivotal part in the establishment of this exercise regime, Co-Chairing the Task Team from 2011 to 2018).

Exercise PacWave is a biennial tsunami exercise conducted across the Pacific Ocean basin. The next exercise will be held during the period September to November of 2022. NEMA's Exercise Team will be in touch about NEMA's involvement in this exercise closer to the time. In the meantime, check out [this video](#) that was made in the lead-up to this meeting of the ICG to promote the IOC's Pacific Wave Exercises; it also tells a bit more about the PTWS.

TSUNAMI WARNINGS AND ADVISORIES

- A PUBLIC INFORMATION GUIDE -

January 2022

GET READY



**National Emergency
Management Agency**
Te Rākau Whakamarumarū

Tsunami that affect New Zealand may be generated on, near, or far from our shores.

New Zealand is at risk from tsunami that happen near us, and around the Pacific.

We know from geological evidence that our coasts have experienced many large tsunami before human settlement, and some smaller but still damaging tsunami since people arrived here.

We now live, work and play all along the coast. The likelihood of tsunami is as clear and present as it ever was — we just haven't had any really big ones since New Zealand became a relatively populous country.

Tsunami are unpredictable...

A tsunami is most likely to be caused by an earthquake that moves the sea floor*. No-one can predict exactly when or where earthquakes will happen, and how big they'll be.

We know a lot about specific tsunami source areas around the Pacific that have caused tsunami in the past, including some that run through and near New Zealand.

But events such as the earthquake and tsunami that occurred on 14 November 2016 show us there is still a lot to learn. They also show us that assessments about tsunami threat can change, as more data about the earthquake's characteristics becomes available over time.



Tsunami can also be caused by volcanic activity, underwater landslides, or landslides into water.

...but are also (in a way) predictable.

We know earthquakes happen, and we know some of them will cause tsunami. We also know that some of these future tsunami (regardless of where in the Pacific they may be generated) will affect New Zealand.

Once a tsunami has been confirmed, scientists have the expertise to estimate where and when tsunami activity may affect New Zealand's coasts.

'Tsunami activity' may mean unusual, dangerous swells or currents at beaches and coastal waters. Or, more seriously, it may mean waves that inundate the land.

Given enough time and confirmed data, it's possible to estimate what sort of tsunami activity we can expect. If waves are likely, scientists can estimate a range for how big they might be.

WHO ARE THE SCIENTISTS?



GNS SCIENCE

Our friends at GNS Science's National Geohazards Monitoring Centre examine and review earthquake and tsunami-related data, and determine what it means for New Zealand.

Scientists from other organisations assist GNS Science by participating in the Tsunami Experts' Panel.

REMEMBER

GNS Science are our go-to experts regardless of where tsunami are generated. This is because GNS Science is a New Zealand-based organisation. Only they have the necessary depth and breadth of local scientific knowledge required to make informed estimates of a tsunami's effect on New Zealand.

Information that comes from international agencies (such as the Pacific Tsunami Warning Centre (PTWC)) is always examined as part of the assessment process — but data from international agencies should never be presented as definitive for New Zealand.

WHERE DOES NEMA FIT IN?

TSUNAMI WARNINGS AND ADVISORIES

The National Emergency Management Agency (NEMA) is the official agency for providing tsunami advisories and warnings.

Using information from our GNS Science partners, we issue these advisories and warnings to regional Civil Defence Emergency Management Groups (CDEM Groups), local government, a wide range of agencies, the media and the public.

REMEMBER

Only advisories and warnings issued by NEMA represent the official threat status for New Zealand, as we use information confirmed by GNS Science.

Information from international agencies (e.g. PTWC, or the United States Geological Survey (USGS)) should never be presented as definitive for New Zealand.

WHAT ARE CDEM GROUPS RESPONSIBLE FOR?

CDEM Groups and CDEM Group members are responsible for the planning, development, and maintenance of appropriate public alerting and tsunami response systems, including public education and evacuation zone identification for their areas.

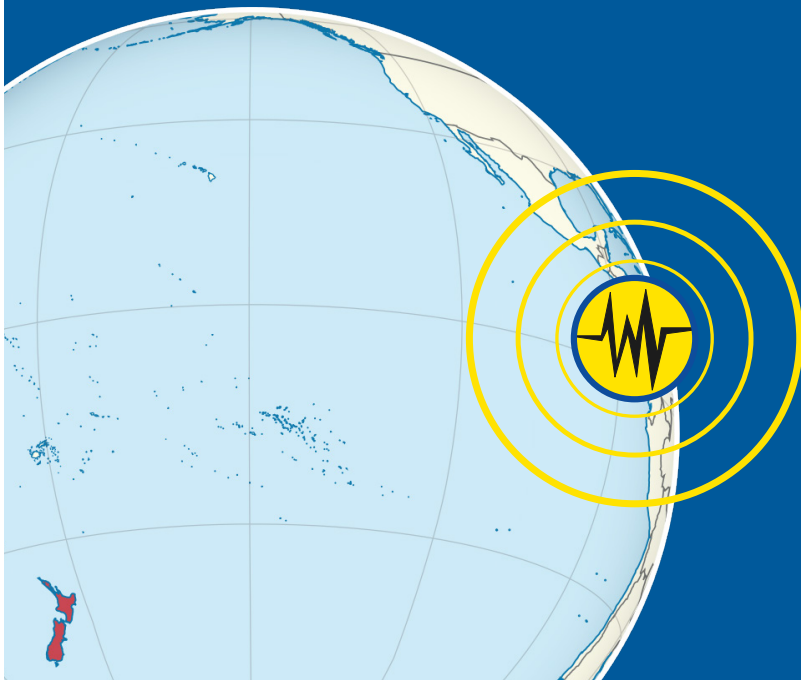
All CDEM Groups and CDEM Group members receive official national tsunami advisories and warnings. When time and expertise is available, CDEM Groups are responsible for further local threat assessment and advising the public which local areas or zones should be evacuated in their regions, or which marine areas and coasts are off limits.

REMEMBER

NEMA can only ever identify very broad areas for evacuation. We can't issue evacuation advice for specific locations.

CDEM Groups and local councils will have the information about which tsunami zones are being evacuated in their areas of responsibility, or which specific coastal areas are off limits

DISTANCE IS EVERYTHING

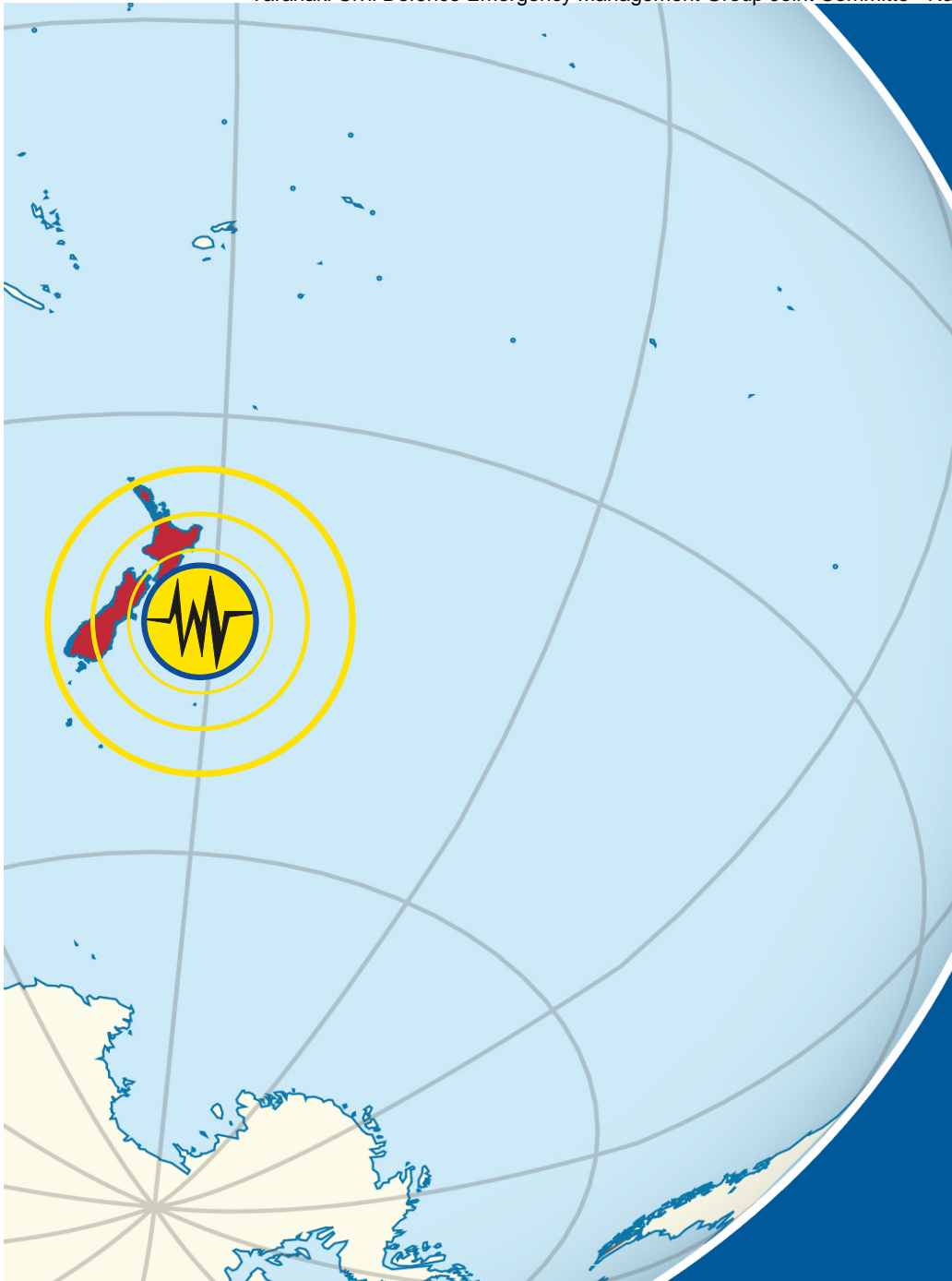


Assessing tsunami activity and providing accurate, timely warnings depends on distance. A tsunami coming from far away gives GNS Science time to gather confirmed data and assess the tsunami's characteristics. The more distant the tsunami's origin, the more time they have to assess it, and the more accurate that assessment will be.

If the tsunami's origin is far from New Zealand:

- GNS Science have time to assess
- Assessments are based on confirmed data
- NEMA can issue more refined advice
- Communities have time to prepare and act

UNFORTUNATELY, THE INVERSE IS ALSO TRUE.



IF THE TSUNAMI'S ORIGIN IS CLOSE TO NEW ZEALAND...

- a tsunami could arrive within minutes
- communities must act immediately
- GNS Science may not have enough time to assess the threat before the first waves arrive
- NEMA may not have enough time to issue an official warning before the first waves arrive.

HENCE: LONG OR STRONG, GET GONE.

If you feel a LONG earthquake that lasts more than a minute or a STRONG earthquake that makes it hard to stand, or see or hear unusual ocean behavior, move immediately to the nearest high ground, out of tsunami evacuation zones, or as far inland as possible. Don't wait for an official warning.

“Long or Strong, Get Gone” is the best advice for people near the coast after a large, strongly-felt earthquake.

We encourage media to share the “Long or Strong, Get Gone” message with audiences if an earthquake of this sort occurs, even if no detailed information is yet available.



TSUNAMI SOURCES

WHAT IS A LOCAL-SOURCE TSUNAMI?

A local-source tsunami is one that is generated close to New Zealand's coastline.

Scientific information for a local-source tsunami is often uncertain at first. It takes time to assess whether a tsunami has been generated, so there may not be time for an official warning. If people experience the natural warning signs, they need to act immediately — that's why it's all about "Long or Strong, Get Gone".

It's important to remember that, in a local-source situation, New Zealand communities may have experienced the primary effects of the earthquake. This means there may be injuries and damage to buildings. It also means roads, bridges, power supplies, and communications networks may have been affected.

Local-source tsunami may also be caused by volcanic activity, underwater landslides, or landslides into water.

WHAT IS A REGIONAL OR DISTANT-SOURCE TSUNAMI?

A regional or distant-source tsunami is one that is generated at least one hour's travel time from New Zealand.

In a regional or distant-source situation, New Zealand communities are likely to have been spared the primary effects of the earthquake. Although the tsunami itself may be dangerous and destructive, there will be some time to warn people before the first waves arrive.

The warning process and the messages we send are different for local-source tsunami and tsunami from further away (regional and distant-source tsunami).

Regardless, you can help us save lives by sharing the right messages with your audiences.

OUR PROCESS

REGIONAL AND DISTANT-SOURCE TSUNAMI

1

New Zealand receives notification of a possible tsunami threat from the Pacific Tsunami Warning Centre (PTWC). This notification goes directly to NEMA and GNS Science.

2

NEMA will rapidly send out a **“Large Pacific Earthquake Being Assessed”** advisory to let everyone know we are checking whether there is a threat to New Zealand. Remember that this advisory is not the same as confirmation of a tsunami threat for New Zealand.

3

GNS Science tsunami experts review the available information to determine what it means for New Zealand. This will include looking at DART (Deep-ocean Assessment and Reporting of Tsunami) buoy data and tsunami modelling to help determine the most likely scenario.

4

GNS Science determines the severity of the threat and informs NEMA. NEMA issues an advisory or warning based on this. A tsunami threat level map will accompany a warning.

NATIONAL WARNING: LAND AND MARINE THREAT

Tsunami waves are expected to affect the land. A land and marine threat means that evacuations will be required.

NATIONAL ADVISORY: TSUNAMI ACTIVITY

There is a threat to beach and marine areas. The tsunami is likely to cause strong and unusual currents and unpredictable surges at the shore. People should stay off beaches and out of the water.

NATIONAL ADVISORY: NO TSUNAMI THREAT TO NEW ZEALAND

There is no tsunami threat to our coasts.

5

For regional and distant source tsunami, there is more time for assessment of possible local impacts. CDEM Groups are responsible for further local threat assessment and for advising which local areas or zones should be evacuated in their regions (National Warning: land and marine threat), or which marine areas and coasts are off limits (National Advisory: tsunami activity). They will advise the media and the public.

6

If there is a land and marine threat, NEMA will send an Emergency Mobile Alert to all capable mobile phones in the areas under threat. CDEM Groups will also send supporting Emergency Mobile Alerts providing local evacuation information.

7

If a National Warning or National Advisory: Tsunami Activity is issued, it will remain in effect until GNS Science advises that the threat has passed. This may take as long as 24 hours, as tsunami waves and currents can be dangerous long after the first waves arrive. When NEMA receives this confirmation, we issue a cancellation message.

REMEMBER

PLEASE SHARE OUR MESSAGES

Please share the messages we issue and any relevant local information through all your channels as quickly as you can. We want to reach as many people as possible. Remember that information from international agencies (including PTWC) should not be presented as definitive for New Zealand. If the situation is serious enough we will officially request our broadcast media partners (who are identified in our MOU with broadcasters) to broadcast the emergency information at regular intervals until we issue a cancellation.

NATIONAL WARNING: LAND AND MARINE THREAT

Land and marine threats are as serious as our warnings get. A land and marine threat means that tsunami waves are coming, and will reach inland. A Land and Marine Threat will usually mean evacuation for at least some areas.

Always remember that the first tsunami waves may not be the largest.

NATIONAL ADVISORY: TSUNAMI ACTIVITY

Beach and marine threats are unlikely to require any evacuations (besides getting people off beaches). Strong and unusual currents and unpredictable surges are obviously dangerous for people in or on beaches and coastal waters, but people on dry land don't need to worry about waves reaching them.

It's extremely important that we get the strong currents and surges information out there, but generally this type of threat should be positioned as 'low risk' for anyone not actually in the water or at the beach.

TIMING

Some tsunami warnings and advisories may have a long lead-in time, i.e. it may be as much as 12 hours before tsunami activity affects our coasts.

This means communities need to be absolutely clear about **timing**, as well as the appropriate safety advice. For example, if we know at 8pm in the evening that tsunami activity is due to begin at 6am the next morning, this information needs to be shared ASAP and throughout the evening, to ensure that anyone who's going to be on the water the next day can cancel their plans.

LOCAL EVACUATION INFORMATION NEEDS TO COME FROM THE CDEM GROUP

NEMA can only ever identify very broad areas for evacuation. We can't issue evacuation advice for specific locations. CDEM Groups and local councils will have the information about which tsunami zones are being evacuated in their areas of responsibility, or which specific coastal areas are off limits.

INFORMATION CAN CHANGE

GNS Science experts make their determinations based on the data available at the time. But information develops, and situations can change. Thankfully, in a regional or distant-source situation, there should be enough time to recalibrate and issue revised advice.

WHEN WE KNOW, YOU'LL KNOW

Information becomes clearer, more reliable, and more specific as time passes. Bottom line — once we have confirmed information, we will give it to you straight away.

OUR PROCESS

LOCAL-SOURCE TSUNAMI

1

A very large earthquake near the coast (or, less likely, an offshore volcanic eruption/landslide) happens. We won't know whether a tsunami has been generated until DART buoys or coastal instruments detect waves, or people see tsunami waves.

2

Anyone near the coast who feels the earthquake LONG (more than 1 minute) or STRONG (hard to stand up), or sees or hears unusual ocean behaviour must evacuate immediately.

We don't want anyone to wait for an official warning of any kind. IF IN DOUBT, GO. These will always be the key messages for local-source tsunami, regardless of any new systems or technology the future brings.

3

NEMA will rapidly send out an “**Earthquake Being Assessed**” advisory to CDEM Groups and the media, to let everyone know we are checking whether there is a threat to New Zealand. Remember that this advisory is not the same as confirmation of a tsunami threat for New Zealand.

4

NEMA issues a National Warning or Advisory based on available data.

NATIONAL WARNING: TSUNAMI THREAT

If the earthquake is very large, and/or located near a known dangerous tsunami source (off the East Coast of the North Island), NEMA will issue a “National Warning: Tsunami Threat” stating “Long OR Strong, Get Gone”.

We may send this warning before GNS Science can provide a detailed assessment — even if we don't know whether a tsunami has been generated. This first warning may arrive after the first waves.

Our tsunami warning may have an action map attached, which indicates broad areas for evacuation. These maps are prepared based on modelling.

NATIONAL ADVISORY: NO TSUNAMI THREAT TO NEW ZEALAND

If GNS Science determines there's no threat to our coasts, NEMA issues a “No tsunami threat for New Zealand” advisory. Bear in mind that communities may be dealing with the earthquake's aftermath, including possibly severe damage and aftershocks. NEMA will work with CDEM Groups to figure out what the situation is on the ground, and what help is needed.

5

If there is a land and marine threat, NEMA will send an Emergency Mobile Alert to all capable mobile phones in the affected areas. CDEM Groups will also send supporting Emergency Mobile Alerts providing local evacuation information.

6

If a National Warning is issued, it will remain in effect until GNS Science advises that the tsunami threat has passed. This may take as long as 24 hours, as tsunami waves and currents can be dangerous long after the first waves arrive. When NEMA receives this confirmation, we issue a cancellation message.

REMEMBER

LOCAL-SOURCE TSUNAMI ARE A BIG DEAL

Local-source tsunami can arrive within minutes at areas closest to the source, and New Zealand has some local tsunami sources (e.g. the Hikurangi Trench) that can produce very large, life threatening tsunami.

TSUNAMI ACTION MAPS ARE BROAD INDICATORS

The maps indicating evacuation areas we may issue for a local-source tsunami warning are conservative. They show black areas which NEMA advises should be evacuated immediately, and shaded areas which are under assessment (noting that 'Long or Strong, Get Gone' still applies to all areas — both black and shaded).

In issuing these maps, there's always a risk of overstating the threat to some areas. But in these situations, we only have preliminary data to go on (if any), and we just can't afford the time it takes refine the advice.

THE CHALLENGE FOR GNS SCIENCE AND NEMA

Local-source tsunami are challenging. We have to make rapid decisions in highly uncertain situations. Instruments can detect earthquakes, but cannot confirm whether a tsunami has been generated until DART buoys detect changes in water pressure or waves hit the coastal tsunami gauges.

It can also be difficult for scientists to determine the exact location and size of very large earthquakes in the first few minutes, because the shaking can overwhelm monitoring instruments. We need a scientist to interpret the data and make sense of it. This takes time.

WE NEED LOCAL SUPPORT MORE THAN EVER

If there's a large earthquake that looks like it's in local-source tsunami territory (due to its magnitude and location), we need you to help us keep people safe.

The best things you can do to help us are:

1. Push the "Long or Strong, Get Gone" message.
2. CDEM Groups and the public should not wait for an official warning from NEMA if long or strong shaking is felt. Take immediate action to evacuate predetermined evacuation zones, or in the absence of predetermined evacuation zones, go to high ground or go inland.
3. Keep watching your email and NEMA's website and social media accounts. That's where the latest, official information will be sent when it is ready.
4. Publish and share our messages along with any relevant local information through all the channels you have. This includes tsunami maps.
5. Remember that our officials will be 100 per cent focused on issuing safety messages and assessing the ongoing threat. Please be understanding if we can't grant you requests for information right away. Rest assured, all we know (and all the information you'll need during the initial stages of the event) will be appearing ASAP in your email and on our social media.

**NOTHING WILL
EVER BEAT
'LONG OR
STRONG, GET
GONE'**

THERE'S NO SILVER BULLET...

No single process or piece of technology will ever be able to provide a 100 per cent failsafe way to warn the public about local-source tsunami.

An effective overall warning system involves many people and many tools. GNS Science, NEMA, and CDEM Groups work constantly to build knowledge of tsunami, develop modelling and tools, enhance processes, and improve warning messages.

...BUT THERE IS A GOLDEN RULE

No matter what systems or technology we develop, nothing will ever beat this golden advice for a local-source tsunami:

Long or Strong, Get Gone.

Anyone near the coast who feels the earthquake LONG (more than 1 minute) or STRONG (hard to stand up), or sees or hears unusual ocean behaviour must evacuate immediately.

If people know and understand 'Long or Strong, Get Gone', it won't matter if the earthquake has knocked out the cell towers, or cut power to tsunami sirens.

People in the areas most likely to be affected by the tsunami - i.e. those areas where the earthquake was felt LONG or STRONG - will know exactly what to do.

If there is a tsunami threat to land and marine areas, NEMA will send an Emergency Mobile Alert to all capable mobile phones in the areas under threat.



EMERGENCY MOBILE ALERT

Emergency Mobile Alerts are messages about emergencies sent by authorised emergency agencies to capable mobile phones. The alerts are designed to keep people safe and are broadcast to all capable phones from targeted cell towers.

The alerts are targeted to areas affected by serious hazards and will only be sent when there is a serious threat to life, health or property, and, in some cases, for test purposes.

Depending on how far away the tsunami is, we'll send an Emergency Mobile Alert to phones in the areas under threat telling people to EVACUATE IMMEDIATELY or to PREPARE TO EVACUATE (if the first waves aren't expected to arrive for several hours).

Local CDEM Groups will also issue an Emergency Mobile Alert

CDEM Groups will have the information about which tsunami zones are being evacuated in their areas of responsibility, or which specific coastal areas are off limits. They will send a supplementary Emergency Mobile Alert to the areas under threat providing more detailed local evacuation information.

Don't wait for an alert if the earthquake is LONG or STRONG

Emergency Mobile Alerts do not replace the need to take action after natural warnings. For a local source tsunami, which could arrive in minutes, there won't be time for an official warning. It is important that people recognise the natural warning signs and act quickly.

NO NEED TO SUBSCRIBE

There is no need for people to sign up or download an app. If a phone is on and capable of receiving them, it should get the alerts. People can check whether their phone can receive the alerts at getready.govt.nz and should ensure their phone is on the most up to date operating system.

WORKS BY GEO-TARGETING

Emergency Mobile Alerts will be targeted to areas under threat only. People outside the targeted broadcast area won't receive the alert.

YOU CAN'T OPT OUT

As Emergency Mobile Alert is about keeping people safe, it isn't possible to opt-out. Some phones may show optional settings used in other countries, but in New Zealand we use a special broadcast channel that is permanently on.

WHO CAN SEND AN ALERT?

Emergency Mobile Alert messages can only be sent by the National Emergency Management Agency, Civil Defence Emergency Management Groups, NZ Police, Fire and Emergency New Zealand, the Ministry of Health and the Ministry for Primary Industries.

DON'T DITCH THE RADIO

Emergency Mobile Alert is an additional channel to help keep New Zealand safe in an emergency and does not replace other alerting channels such as radio and social media, or the need to take action after natural warnings. If you feel your life may be in danger, don't wait for an official warning. Take immediate action. Remember – Long or Strong, Get Gone.

WILL EMERGENCY MOBILE ALERT WORK IF CELL PHONE TOWERS ARE DAMAGED, OR IF THERE IS A POWER OUTAGE?

Emergency Mobile Alert may not work if mobile phone towers are damaged or if there is a power outage.

Emergency Mobile Alert is an additional channel to help keep people safe in an emergency and does not replace other alerting systems or the need to take action after natural warnings.

WILL EMERGENCY MOBILE ALERT WORK EVERYWHERE IN NZ?

Emergency Mobile Alert should work in areas with cell reception. About 97% of populated areas get cell reception and work is being done by the mobile service operators to improve mobile coverage all the time.

TSUNAMI MONITORING AND DETECTION NETWORK

While Long or Strong, Get Gone is still the best action to take to stay safe, not all tsunami that could affect New Zealand come from earthquakes that people will feel. Because of this, being able to detect tsunami waves while they are in the deep ocean is very important. This is particularly critical for unfelt earthquakes originating from the Kermadec trench.

New Zealand's end to end arrangements for monitoring, detecting and issuing warnings about tsunami include a network of DART (Deep-ocean Assessment and Reporting of Tsunami) buoys to provide early detection and support warnings for tsunami generated from the Kermadec and Hikurangi trenches and Pacific sources further away.

Not all sea floor disturbances, such as underwater earthquakes, cause tsunami. The DART buoys also provide rapid confirmation when no tsunami has been generated following large earthquakes and other possible "trigger" events in the ocean.

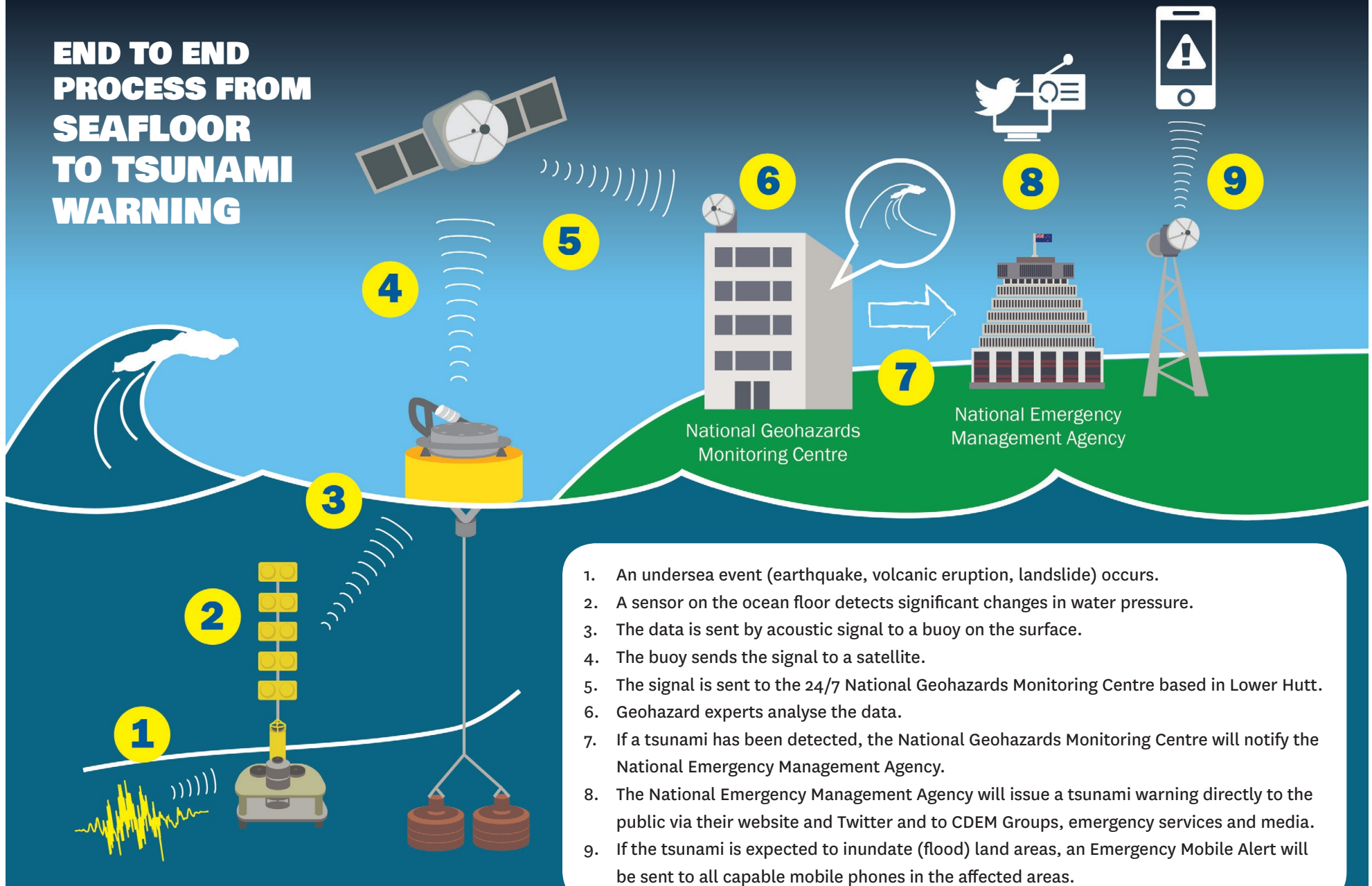
WHAT IS A DART BUOY?

DART (Deep-ocean Assessment and Reporting of Tsunami) buoys are deep-ocean instruments that monitor changes in sea level. They are currently the only accurate way to rapidly confirm a tsunami has been generated before it reaches the coast. Early detection of a tsunami using DART buoys allows us to accurately provide early warnings using a range of communication channels including Emergency Mobile Alerts.

HOW DO DART BUOYS WORK?

DART buoys detect tsunami threats by measuring associated changes in water pressure via sea floor sensors. They are capable of measuring sea-level changes of less than a millimetre in the deep ocean. Two-way communication between a DART buoy and GNS Science's 24/7 National Geohazards Monitoring Centre allows rapid assessment of threats and enables subsequent warning advice to be provided to the public.

END TO END PROCESS FROM SEAFLOOR TO TSUNAMI WARNING



TSUNAMI SIRENS

The decision to use sirens and their ongoing maintenance is the responsibility of CDEM Groups and local authorities. If CDEM Groups and territorial authorities do choose to install tsunami sirens they need to comply with the Tsunami Warning Sirens Technical Standard (available at <https://www.civildefence.govt.nz/resources/tsunami-warning-sirens/>).

It is important to recognise that sirens are only one component within a wider warning system, and sirens have a number of disadvantages. Local source tsunami, where the earthquake has occurred close to New Zealand's coastline can arrive within minutes at areas closest to the shore and there won't be time to issue an official warning before the first wave arrival, nor even activate the sirens. The sirens may also be damaged by the earthquake itself.

CDEM Groups and local authorities who decide to use sirens must undertake targeted and continuous public education and awareness activities. Public education and awareness activities related to the use of sirens in tsunami warnings must promote the importance of the recognition of natural warning signs. Activation of sirens must not be expected for local source tsunami events – the long or strong earthquake is the only reliable warning.

MORE INFO



PLANNING FOR EMERGENCIES AND BEING PREPARED

www.getready.govt.nz

HOW TO CONTACT CDEM GROUPS

www.civildefence.govt.nz/find-your-civil-defence-group

ABOUT CDEM

www.civildefence.govt.nz/cdem-sector/plans-and-strategies/guide-to-the-national-civil-defence-emergency-management-plan

ALL ABOUT TSUNAMI

www.getready.govt.nz/emergency/tsunami

TSUNAMI EVACUATION ZONES

www.getready.govt.nz/emergency/tsunami/tsunami-evacuation-zones

GUIDELINES AND TECHNICAL STANDARDS

www.civildefence.govt.nz/cdem-sector/guidelines

MOU WITH BROADCASTERS

www.civildefence.govt.nz/media/memoranda-of-understanding-mou-with-radio-and-tv-broadcasters

MEDIA CONTACTS

www.civildefence.govt.nz/media/local-regional-media-contact-information



for helping us keep New Zealanders safe.



**National Emergency
Management Agency**
Te Rākau Whakamarumarū

AGENDA AUTHORISATION

Agenda for the Taranaki Civil Defence Emergency Management Group Joint Committee meeting held on Thursday 24 February 2022.

Approved:

A handwritten signature in blue ink, appearing to read 'S J Ruru', is positioned above the printed name and title.

21 Feb, 2022 3:02:11 PM GMT+12

S J Ruru
Chief Executive