



I hereby give notice an ordinary meeting of the Civil Defence and Emergency Management Group Committee will be held on:

**Date:** Thursday, 6 March 2014  
**Time:** 2.00pm  
**Meeting Room:** Reception Lounge  
**Venue:** Auckland Town Hall  
301-305 Queen Street, Auckland

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## **Civil Defence and Emergency Management Group Committee**

### **OPEN AGENDA**

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#### **MEMBERSHIP**

<b>Chairperson</b>	Cr Sharon Stewart, QSM
<b>Deputy Chairperson</b>	Cr Bill Cashmore
<b>Members</b>	Cr Alf Filipaina Cr Denise Krum Cr Calum Penrose Cr Sir John Walker, KNZM, CBE Cr George Wood, CNZM
<b>Independent Māori Statutory Board</b>	Member David Taipari
<b>Ex Officio</b>	Member Karen Wilson Mayor Len Brown, JP Deputy Mayor Penny Hulse
<b>Ex Officio (without voting rights)</b>	All other councillors

(Quorum 3 members)

**Elaine Stephenson**  
**Democracy Advisor**

**28 February 2014**

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## TERMS OF REFERENCE

The Civil Defence Emergency Management Group Committee will be responsible for:

- Being Auckland's strategic forum for civil defence and emergency management planning and policy;
- Establishing an emergency management structure for the Auckland region;
- Develop, approve, implement and monitor the Auckland Civil Defence Emergency Management Group Plan;
- Performing the statutory functions of a civil defence emergency management group;
- Representing Auckland in the development of national emergency management policy;
- Developing policy for, and monitoring, the Auckland Council's civil defence, emergency management and natural hazards functions; and
- Engaging with Local Boards on civil defence and emergency management issues.

The Civil Defence Emergency Management Group Committee will exercise the statutory powers outlined in the Civil Defence Emergency Management Act 2002 and the Auckland Civil Defence Emergency Management Group Plan.

The Civil Defence Emergency Management Group Committee is authorised to approve use of the established emergency funding facility provided for emergency management.

### **Relevant legislation includes but is not limited to:**

Civil Defence Emergency Management Act 2002; and  
Hazardous Substances and New Organisms Act 1996.

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**1 Apologies**

An apology from Deputy Mayor PA Hulse has been received.

**2 Declaration of Interest**

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

**3 Confirmation of Minutes**

There are no minutes for confirmation.

**4 Petitions**

At the close of the agenda no requests to present petitions had been received.

**5 Public Input**

Standing Order 3.21 provides for Public Input. Applications to speak must be made to the Committee Secretary, in writing, no later than **two (2)** working days prior to the meeting and must include the subject matter. The meeting Chairperson has the discretion to decline any application that does not meet the requirements of Standing Orders. A maximum of **thirty (30) minutes** is allocated to the period for public input with **five (5)** minutes speaking time for each speaker.

At the close of the agenda no requests for public input had been received.

**6 Local Board Input**

Standing Order 3.22 provides for Local Board Input. The Chairperson (or nominee of that Chairperson) is entitled to speak for up to **five (5)** minutes during this time. The Chairperson of the Local Board (or nominee of that Chairperson) shall wherever practical, give **two (2)** days notice of their wish to speak. The meeting Chairperson has the discretion to decline any application that does not meet the requirements of Standing Orders.

This right is in addition to the right under Standing Order 3.9.14 to speak to matters on the agenda.

At the close of the agenda no requests for local board input had been received.

**7 Extraordinary Business**

Section 46A(7) of the Local Government Official Information and Meetings Act 1987 (as amended) states:

“An item that is not on the agenda for a meeting may be dealt with at that meeting if-

- (a) The local authority by resolution so decides; and
- (b) The presiding member explains at the meeting, at a time when it is open to the public,-
  - (i) The reason why the item is not on the agenda; and

- (ii) The reason why the discussion of the item cannot be delayed until a subsequent meeting.”

Section 46A(7A) of the Local Government Official Information and Meetings Act 1987 (as amended) states:

“Where an item is not on the agenda for a meeting,-

- (a) That item may be discussed at that meeting if-
  - (i) That item is a minor matter relating to the general business of the local authority; and
  - (ii) the presiding member explains at the beginning of the meeting, at a time when it is open to the public, that the item will be discussed at the meeting; but
- (b) no resolution, decision or recommendation may be made in respect of that item except to refer that item to a subsequent meeting of the local authority for further discussion.”

## **8 Notices of Motion**

At the close of the agenda no requests for notices of motion had been received.

## Update of Auckland's Tsunami Risk

File No.: CP2014/02910

### Purpose

1. To provide an update on the Auckland CDEM tsunami work programme in respect of the national tsunami hazard review recently released by Ministry of Civil Defence and Emergency Management (MCDEM).

### Executive Summary

2. Over the last decade a number of significant tsunami events have occurred in the Pacific. The scale and extent of inundation from the March 2011 Japan tsunami was unprecedented and considerably changed scientific understanding of how large subduction earthquakes occur and what effect this has on resulting tsunami.
3. This improved scientific understanding prompted the Director of Civil Defence Emergency Management (CDEM) to order a review of the 2005 national tsunami risk assessment. The report, prepared by GNS Science, was released in October with the risk to Auckland notably higher than previously modeled for a 1:2,500 year event. GNS Science has confirmed that modeling previously undertaken for Auckland for distant (2007) and regional source tsunami (2010) has the potential to underestimate these rare, but significant, inundation extents.
4. To better understand Auckland's tsunami risk, Council contracted GNS Science to produce inundation maps for the maximum credible event (1:2,500 year event). It is estimated that a magnitude 9.0 earthquake on the Tonga-Kermadec trench is in the order of a 1:2,500 year event. This work was delivered on 20 November and formed the basis of information to produce a set of evacuation maps in line with MCDEM Director's Guide Line 08/08 for tsunami evacuation mapping.
5. In late 2013, Coordinating Executive Group (CEG) members and the Auckland Engineering Lifelines Group were briefed on Auckland's tsunami risk and evacuation mapping project. Council has been actively working with these stakeholders to effectively communicate tsunami risk and provide guidance where necessary. In addition, we have commenced working with our communities to complement the identification of future evacuation route mapping, signage, and public alerting initiatives. Concurrently, a review and assessment of the welfare facilities has commenced to update each of Auckland's community risk profiles with the latest census information.
6. It is important to note that the new evacuation maps identify locations that may be at risk from tsunami hazards but further high resolution tsunami modeling will be required. This future work is important to refine evacuation mapping, identify community specific risk and inform long term planning. (Part of an investment proposal and is expected to take around two years to complete).

### Recommendation/s

That the Civil Defence and Emergency Management Group Committee:

- a) receive the Update of Auckland's Tsunami Risk report and supporting presentation.

## Attachments

There are no attachments for this report.

## Signatories

Author	Richard Woods – Manager Planning & Intelligence
Authoriser	Clive Manley - Manager Civil Defence and Emergency Management

## Civil Defence and Emergency Management Group Work Programme

File No.: CP2014/02908

### Purpose

To present the Civil Defence and Emergency Management Group Committee work programme.

### Recommendation/s

That the Civil Defence and Emergency Management Group Committee:

- a) receive the Civil Defence and Emergency Management Group Committee work programme report.

### Discussion

1. **Hazards Advice: For Tsunami, Flooding, Storm Surge, Volcano, Earthquake, Wildfire – Analyse conditions, understand impact, plot inundation/impact areas, inform NRPs, and develop warning systems**

Council has received a report detailing Auckland's earthquake risk. The report describes the expected effect of three credible earthquake scenarios and details the expected casualties and losses across different return periods. The study concludes that Auckland has a low risk of seismic activity when compared to the rest of New Zealand. In addition, when compared with the proportion of people, infrastructure and buildings potentially exposed, the modelled losses and casualties are small.

Council received the results of the regional storm surge and coastal inundation project from the National Institute of Weather and Atmospheric Research (NIWA) in September. Inundation mapping has been included in Council's Draft Unitary Plan to restrict activities in locations which are subject to a 100 year event occurring in 100 years; time. In locations of existing development (brownfield areas), a regional level policy promotes floor level restrictions on proposed residential developments that occur in the 100 year event plus one metre of sea level rise inundation area. In greenfield locations, a regional level policy promotes avoidance of all development activities in the 100 year event plus two metres of sea level rise inundation area. This study is the largest site specific storm surge inundation study to ever be completed in New Zealand. In addition, the integration of regional level policies, using maps, into Council's Unitary Plan is the most significant example of proactive risk reduction for coastal inundation in the country to date.

In early February 2014, the Auckland King Tides Initiative was launched. King Tides Auckland is an exciting community initiative that encourages people from around the Auckland Region to visit and photograph the highest tides that naturally occur along the coast line each year. The website uses social media tools (facebook, twitter and instagram) to encourage the public to upload images of the coast during king tide events. These photographs are used as a living record to capture what our coast may look like in the future as global sea levels continue to rise. The initiative launch was extremely successful with significant media interest.

In September 2013, the Ministry of Civil Defence and Emergency Management released a report detailing New Zealand's national tsunami risk. The report identifies that Auckland's risk from tsunami is greater than previously understood. As a result, Council commissioned GNS Science to map the extent of expected inundation for a maximum credible event to inform evacuation planning. Evacuation map development is complete and will be presented to communities through the Community Response Plan programme to complement the identification of evacuation routes, signage, and public alerting initiatives. Concurrently, an assessment of welfare facility adequacy and population analyses will be undertaken to better understand each communities risk profile. The results of the national review have also been presented to the Auckland Engineering Lifelines and Coordinating Executive Groups.

The Determining Volcanic Risk in Auckland (DeVoRA) research programme continues to produce insights into the nature, hazards and social implications of an eruption in the Auckland Volcanic Field (AVF). New research has identified that Rangitoto volcano has erupted multiple times; 1,500, 600 and 550 years ago. This is unique as all other 55 volcanoes in the field have only erupted once. Scientists have recently drilled a 150m bore into the volcano to help clarify how many times it has erupted and how it has formed. It is anticipated that a seismograph, which can measure earthquakes, will be installed in this borehole to increase our capacity to identify renewed volcanic activity.

Work on Council's Natural Hazards Risk Management Action Plan (NHRMAP), which is a key Auckland Plan initiative, is progressing well. Draft reporting on the current state of Council's natural hazard information, in the form of reports, GIS data, photographs, media etc. is complete and under review. This reporting will be used to guide future initiatives and policy on how the whole of Council's manages natural hazard information and risk.

**2. Scientific Advisory Groups: To manage the formation and reconsolidation of Scientific Advisory Groups for the provision of specialist advice to inform all CDEM activities**

Further meetings have been held with GNS Science regarding the future composition and terms of reference for the Auckland Volcanic Scientific Advisory Group (AVSAG). It is recognised that the integration the Determining Volcanic Risk in Auckland (DeVoRA) research programme into CDEM planning documents is crucial and AVSAG may be an appropriate platform to facilitate this process. Discussions on national and regional Scientific Advisory Groups compositions are ongoing with MCDEM.

Considerable work on solidifying relationships with scientific, central government and partner stakeholder agencies has been undertaken in recent years. These relationships are fundamental to effectively and efficiently respond to emergencies in Auckland and to provide assistance to other CDEM Groups within New Zealand when required. The establishment of key intelligence flows and 24/7 contact availability with these agencies has been a key focus.

**3. Understanding and reporting on "Situational Awareness": Review "Best Practice", develop processes for gathering "Situational Information" during a Crisis or Emergency, and develop methods of reporting information to "Key Stakeholders"**

Council continues to work with key stakeholders to ensure that suitable intelligence transfer arrangements are in place to the Auckland Emergency Co-ordination Centre (ECC).

Further ECC enhancements have improved situational awareness capability. The California Integrated Seismic Network (CISN) software programme provides a direct connection from the United States Geological Society (USGS) earthquake monitoring programme. This tool provides instant notification of large earthquakes occurring worldwide which may have the potential to generate tsunami. In addition, should a very large earthquake occur close to or in New Zealand this system will provide data, such as location and magnitude, which the GNS Science GeoNet may not be able to resolve.

Council has completed its trial using the Signal Social Media Monitoring tool. The tool was used for a number of minor incidents across the region in the last 6 months which has enhanced CDEM's monitoring capability of social media sites substantially.

Council continues to work with MetService and NIWA on new products to enhance our ability to respond to weather events. The rainfall gauge corrected radar product developed in 2012 with MetService has been used the identification of rainfall location and intensities from thunderstorms. In coming weeks, MetService are installing an additional rainfall radar site in Northland. This site will greatly enhance Auckland's visibility of storms approaching the region from the north.

An internal alerting system has been developed using Council's rainfall and stream flow monitoring data. This system alerts the ECC Duty Officer and CDEM staff when streams and rainfall exceed specified criteria identifying where and when disruption from heavy rainfall may occur.

Council has been working closely with GNS Science and NIWA to develop the RiskScope tool for Auckland. The tool can be used for casualty and loss assessments prior, during and following emergencies. Nearly all of the 560,000 buildings in Auckland have been integrated into the tool which can currently assess the impacts from earthquakes, tsunami, flooding and wind events. Volcanic events are being added to the tool this year through the DeVoRA programme. Auckland Council Stormwater are reviewing whether the tool is suitable to inform the Regional Flood Damage Assessment project which informs long term asset and financial planning.

#### **4. Evacuation Planning: Review best practice, develop mass evacuation plans for Auckland (including managing transport corridors)**

A draft version of the Auckland Evacuation Plan has been provided to members of the Auckland Evacuation Planning Group for comment. In early 2014, Auckland Council's Communications and Public Affairs department will complete a detailed design of the plan to align with other key documents. The plan will be presented to the Auckland Civil Defence and Emergency Management (CDEM) Group (including the AWCG, Police, Fire, DHBs .etc.) later in the year for approval.

Transport and traffic management are a key element in successful operational evacuation planning and implementation. The transport sector is deemed a 'lifeline utility' under the CDEM Act 2002. The Auckland Transport Response Group (ATRG), a sub-group of the AELG Transport Sector Group, has operational roles in response and recovery. The ATRG protocols operate as a supporting procedure for the Auckland CDEM – Lifeline Utility Response and Recovery Protocols.

Membership on the ATRG includes:

- Joint Transport Operations Centre
- Auckland Transport – Public Transport
- Auckland Airport
- Ports of Auckland
- KiwiRail
- NZ Police
- Air New Zealand
- Auckland CDEM

A concept has been proposed to include the NZ Police, NZ Defence Force and a Security Group in addition to the ATRG to formulate an Evacuation Planning Group for operational planning and implementation of a Physical Evacuation Plan.

The Auckland Evacuation Plan is intended to serve as a resource for the development of Operational Evacuation Plans and area specific Emergency Response Plans for metropolitan areas, for example the Central Business District (CBD). The Auckland CBD Emergency Response Plan was approved by the Emergency Management committee on Wednesday 12 February.

In addition, the CDEM department will begin work with subject-matter experts and the community as part of the Community Response Plan process to identify evacuation routes and signage, community identified evacuation centres and a public education programme to support this work.

## **Welfare and Recovery**

### **5. Welfare centre / Marae partnership project**

The initial draft agreement document between CDEM and marae is currently being reviewed by four Marae: Manurewa, Awataha (Northcote), Ngati Whatua (Orakei) and Ruapotaka (Glen Innes). This project is being undertaken in a partnership approach between CDEM and Community Development, Arts & Culture, with continual referral to Te Puni Kokiri and Te Waka Angamua. Follow up meetings are scheduled to begin in late February, early March 2014.

### **6. Auckland Welfare Coordination Group (AWCG)**

The AWCG met on 13 November 2013. Sarah Stuart-Black, Manager Analysis & Planning, Ministry of Civil Defence & Emergency Management (MCDEM) presented on the draft proposal for the welfare section of the National Plan review; implementation impacts and timeline for central government sign off. Comprehensive feedback on the draft proposal was submitted by the Department to MCDEM. This review has provided significant opportunities to streamline our response and recovery capabilities within the AWCG.

We have provided an induction session with the Salvation Army's new AWCG representative, Captain Ralph Hargest, Divisional Secretary for Emergency Services, Auckland Northland Region.

An enhanced CDEM foundation training module will be offered to all AWCG members and their "welfare" teams on a regular basis from April 2014.

### **7. Build welfare response capability and capacity**

Audits, formal designations through Memoranda of Understanding and letters of agreement continue to be implemented on an ongoing basis with stakeholders, supporters and facilities that could be used to support the welfare and recovery effort in an event.

Through the Community Response Planning project the communities with active Community Response Plans (approx. 37% of Auckland to date) have identified and created local access arrangements for over 200 'Community Identified Evacuation Centres' (consisting of village, community and church halls, schools etc.). This number will grow as the project will eventually cover all of Auckland. These are intended to be the first port of call for displaced people whilst the official response is being initiated.

The Auckland CDEM department has 141 pre-identified Welfare Centres (to be called Civil Defence Centres in the future) that can be used for the official welfare response where members of the Auckland Welfare Coordination Group provide appropriate support. Many of these are legacy Welfare centres inherited from the previous councils. Now the CRP project is well underway, a review of Welfare Centres is underway and facility overlaps will reduce the number of designated Welfare sites to a more manageable level.

The Barrier Free Trust accessibility adviser has provided guidance on disability access for welfare facilities. Members of the disability community will be supporting our training and activation of welfare volunteers.

We have increased numbers of welfare trained and competent volunteers and exercised key supervisor staff in 24/7 welfare centre exercise during “Exercise Hunua Falls”; a joint residential NZ Red Cross and Auckland Civil Defence & Emergency Management exercise in August 2013.

The Group Welfare Manager attended National Welfare Coordination Group meetings throughout the year with particular emphasis on providing feedback to MCDEM and seeking clarification around the proposed national welfare framework and draft welfare section of the National Plan.

Members of the Health Emergency Management Group undertook Exercise Big Smoke in November 2013, which looked at the effect of volcanic ash fall on Auckland. A number of Auckland CDEM staff presented and attended this event.

The team developed draft processes for companion animal management in collaboration with the SPCA and Auckland Council Animal Control. The Disability Assist Dogs Tag initiative was launched on 3 December 2013. This was implemented to ensure certified disability assist dogs can be easily identified and remain with their owners, or if separated, quickly reunited. Auckland Council Animal Control staff have been briefed on the administrative requirements of implementation.

In order to ensure compliance with best practice guidelines for operation of welfare facilities, a draft guideline (based on Sphere Guidelines for Humanitarian Aid <http://www.sphereproject.org/>) has been developed in conjunction with Ministry of Civil Defence & Emergency Management and Auckland Council strategic partners (Auckland Welfare Coordination Group, Animal Control, Environmental Health Services), Salvation Army, NZ Red Cross, and Regional Public Health. This guideline is a practical tool for use particularly where large numbers of evacuees present. It includes tools to understand all likely requirements such as food, accommodation, health and safety issues, support for companion animals etc. A draft will be circulated for comment in the next few weeks with a view to publication by May 2014.

The installation of six generator plugs in “priority” designated welfare facilities is now complete. One remains outstanding due to parts availability and will be installed by the end of February 2014. Ensuring welfare facility capability is integral to the welfare response. Installing generator plugs at our key welfare facility sites has mitigated the risk of being unable to activate those sites where power supply has been disrupted or likely to be.

## 8. Build Recovery capability and capacity

The first draft of the reviewed recovery plan “Recovery Framework” will be circulated in March for feedback from key stakeholders. The Recovery Framework will be supported by a Recovery handbook which explains the operational elements of the Framework, together with Standard Operating Procedures.

The Economic, Built, and Social Recovery taskgroups have established Chairs and both the Economic and Built taskgroups continue to meet on a regular basis. The Built taskgroup considered their draft Terms of Reference in December 2013 and these are now being finalised. In the event of a disaster, these task groups are to provide formal advice to Auckland Council and the Recovery Manager, or in the case of a very large event act as ‘plug in points’ for additional support from Central Government appointed resources.

### 9. The CDEM Group Welfare Forum

This national level forum is being hosted by Auckland Council CDEM on 19/20 March 2014. The focus of this forum is on discussions that assist in forging common understandings of good practice in CDEM welfare and to think about the future state of emergency welfare services. The programme is built around six main sessions running as breakout discussion groups. These are:

- Roles and responsibilities of Group Welfare Managers
- Standardising terms of reference for welfare coordination groups
- Welfare plans
- Welfare sub-functions - as in the draft revised *National CDEM Plan, Sect 12*
- Welfare in response
- Capability development requirements of welfare managers

### Business Continuity Planning

#### 10. Reduce the effects of disruptive events to Council operations through disciplined crisis and business continuity management.

Auckland Council departmental business continuity plans are being updated in a more streamlined format to reflect organisational changes and critical services provided to our internal and external customers. There are currently 41 BCPs across the AC Group providing strong contingency planning and business continuity capability for our stakeholders.

#### 11. Manage the Crisis Management and Business Continuity Processes by having an up to date policy

The Auckland Council Business Continuity Policy has been developed for review by the executive leadership on an annual basis.

#### 12. Manage the Crisis Management and Business Continuity Processes by support for departments with training and exercise

Support is given to all departments within the Auckland Council Group (including CCOs) providing business continuity management leadership, training and support. Emphasis is being given to teams affected with 135 Albert St coming on stream and the effects this will have on office space redundancy levels being reduced in Auckland's CBD.

A presentation was given recently to the Auckland CBD Emergency Management Committee on 'Resilient Business' in support of Auckland Council driving business continuity awareness with key stakeholders, including emergency services, military and tertiary educational providers.

The CDEM team prepares and conducts an annual business continuity exercise to test the preparedness and efficacy of departmental business continuity plans. The exercises involve a number of departments with the scenario planned in advance for June/July. The exercise this year will be influenced by the major move into 135 Albert St., the lack of Council office space in the CBD and the increased ability of staff to work remotely.

## Emergency Coordination Centre

### **13. Apply Learning From Emergencies and Exercises: Review, Analyse and Apply Learning From Incident De-briefs and Exercise**

The Department has continued to run monthly training sessions in the ECC incorporating the EMIS information management tool and the new cloud based computer solutions. On the 1st October a regional training session was held on the new Welfare component of EMIS, and on the 24th October we took advantage of the newly appointed North Island Trainer for EMIS who has committed to attend each of our monthly trainings. She is also preparing online training material for our volunteers and stakeholders.

As indicated, EMIS and the training for EMIS is undergoing considerable development. We have committed to support the user group and provide operational end user feedback to improve functionality. In the meantime, until EMIS is fully functional, we are committed to upgrade our existing WebEOC.

On 28 November we held a departmental Desktop exercise to review key processes when faced with a short notice (less than three hours to impact) Tsunami event. Specific areas tested were, estimation of populations affected and delivering an evacuation area to police, opening of welfare centres and provision of generators for these sites and the Harbourmasters direction and management of shipping. The initial hot debrief raised some constructive ideas that are being actioned such as the development of a process diagram to guide the team's actions and decision making and also more 'walk through, talk through' exercises to further build confidence and capability.

Auckland CDEM department continues to work with the Ministry of Civil Defence & Emergency Management (MCDEM) to implement the National Exercise Programme. To complement the National Exercise Programme, Auckland has developed a regional exercise programme to align with the Auckland Civil Defence and Emergency Management (CDEM) Capability Development strategy. The next Auckland CDEM Group exercise (Tier 2) will be conducted in September 2014 based on a large urban fire.

Staff within the CDEM department conducted two exercises at the end of 2013:

- Departmental regional –source tsunami exercise on 28 November 2013. Specific areas tested were estimation of populations affected, identification of the evacuation zone, identifying suitable Welfare Facilities and activation and the Harbourmasters direction and management of ship anchorage and ship movement. A 'hot' debrief was conducted with the department Leadership team on 23 January to identify areas for improvement.
- Auckland Council Emergency Support (ACES) operational cover for the council close-down period.

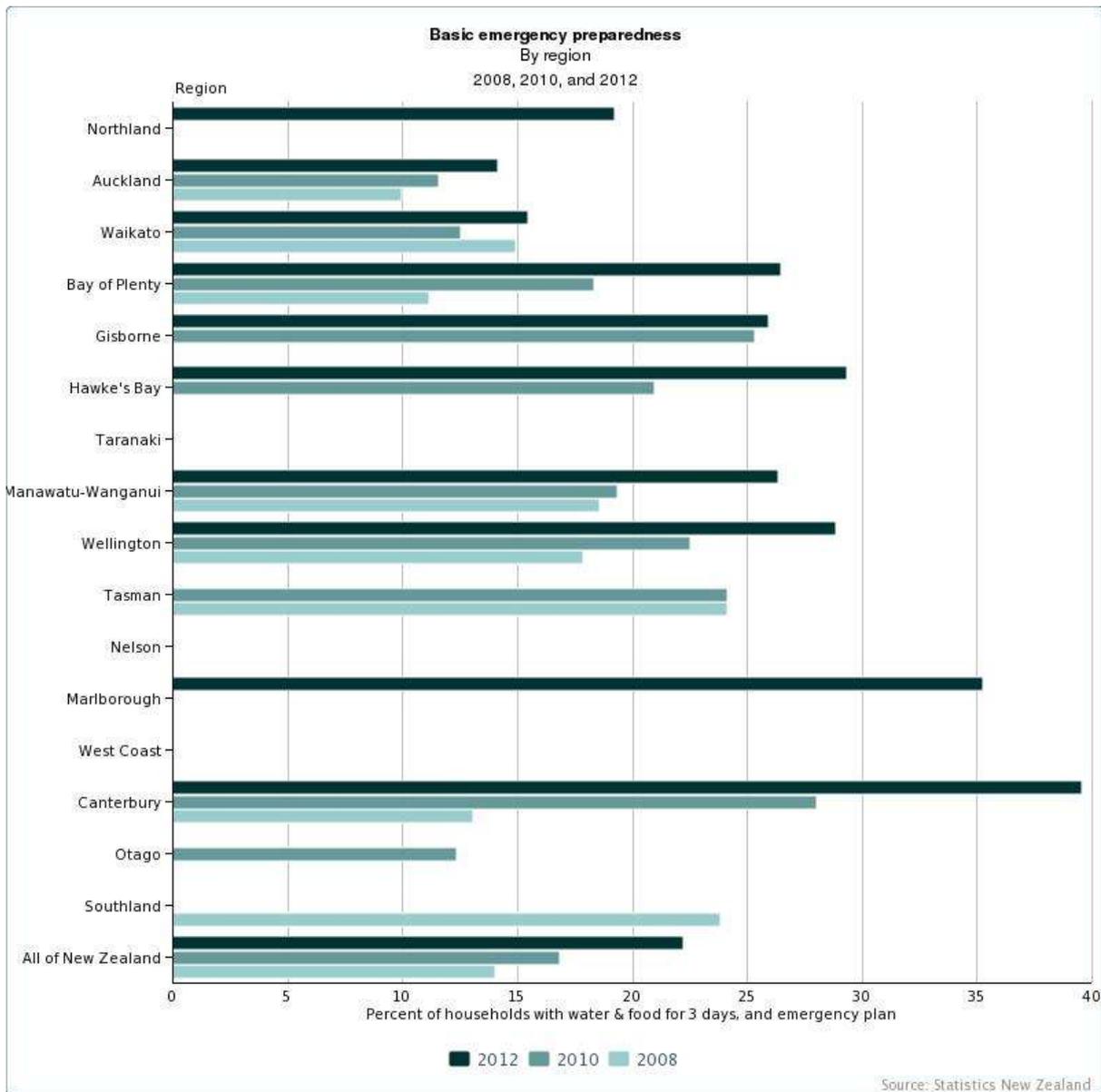
The CDEM department continues to run monthly exercises, walk through – talk through training sessions in the Emergency Coordination Centre (ECC) incorporating the Emergency Management Information System (EMIS) and other systems.

**14. Public Education: Strengthen Public Education Programme**

Public education is ongoing and the department has supported a number of initiatives and events – ranging from minor (schools) to major (Farmer’s Santa Parade). Of note, the group is trialling some alternative messaging. Instead of ‘berating’ the public to ‘get ready’, we positively encourage and demonstrate that many households have many of the items required and are 60-70% ready but don’t realise it. This positive messaging has been well received and is planned to be incorporated into new public education documents later in the year.

A recently released Statistics New Zealand survey (2012) results show Auckland is the least prepared in the event of an emergency with the Ministry of Civil Defence & Emergency Management (MCDEM) annual Colmar Brunton survey (carried out since 2006) showing the same pattern. The Auckland CDEM Group will continue to monitoring and evaluate Aucklanders preparedness using tools such as the People’s Panel.

The graph below shows the percentage of households with emergency water and food for three days, and an emergency plan from the Statistics New Zealand survey.



Note: Data has been suppressed due to relative sampling error exceeding 30 percent or for confidentiality reasons. See details in Table 1 below.

### 15. Respond and Recover From Crisis and Emergencies and Support CDEM NZ Sector as Required

The ECC has been activated a number of times for primarily storm events in 2013, with events running smoothly with only small disruption to some communities which were quickly resolved. ECC training continues with a focus on cross portfolio skills and communication so that staff will be able to fill a number of different roles in the ECC should the situation dictate.

Auckland CDEM now has a representative on the National EMIS Governance Group, the EMIS Technical Advisory Group and the EMIS User's Forum and there is some good momentum in providing a workable tool for use in any event.

### 16. Fire Response Teams support Victorian Fires

The Auckland Rural Fire District has supported the request from the State of Victoria for fire managers to assist with the control of the wildfires in the state.

To date ten firefighters from Auckland have deployed and still have another team of five available to deploy. This is an excellent way of maintaining the higher level currency, and as such we will always support development and deployment opportunities such as this.

The joint initiative between the Auckland Rural Fire District and the NZFS continues and the due diligence has been completed on the transfer of the Waitakere, Matakana and the Muriwai Volunteer Rural Fire Forces by way of a Section 38 Agreement to the NZFS. This is a win-win for all parties, the NZFS have a resource that meets their need for structure protection, the Auckland Rural Fire District maintains the resource for vegetation fires and the members of the new entity have legislative mandate and protection to undertake the respective taskings.

The National Commander of the New Zealand Fire Service is very supportive of this partnership model. It is intended to have Waitakere, Muriwai and Matakana transferring over the next two months, property transfer has been the delay to date.

### 17. Harbourmaster

The Harbourmaster reports no significant marine oil spills, however there was one minor diesel spill at St Marys Bay refuelling facility responded to, the spiller is known and has been invoiced to recover response costs. Other initiatives/actions include:

- New Maritime Pollution Response Coordinator has settled into position. Iwi liaison in regard to how marine oil spills are responded to has commenced.
- Oil spill response equipment trailer has been purchased for Great Barrier Island.
- On-going dialogue with Maritime New Zealand in regards to the review of the National Marine Oil Spill Response Strategy.
- New bunker barge is being commissioned by Stolthaven, Harbourmasters Office is working closely with all parties involved to develop safe operating plans for this venture.

**18. Police**

There are a few major operations that are in the planning stages for 2014. A Royal Tour is likely; Small Island Developing States (SIDS14) a United Nations Conference although being held in Samoa will attract a number of VIP visits in Auckland while VIPs are transiting through New Zealand to the conference; and the G20 although being held in Brisbane there are likely to be protests here in Auckland.

Late last year Counties Manukau Police recently run a full deployment exercise, Ex Bluesky at the Auckland International Airport which was centred on an aircraft crash of the end of the runway in the tide. The exercise involved the Auckland Airport Company, Fire Service, St John and a number of other agencies and saw the deployment of the hovercraft and other marine resources. It was a successful exercise with a few minor issues that need modifying, but more importantly no critical issues to any procedures in the response were highlighted.

**19. Enlarged ECCs: Review Best Practice, Investigate available facilities, develop processes to set up enlarged ECCs for CDEM and Council Governance for when Civic Complex is unavailable**

Work is ongoing exploring technical solutions to providing a flexible, mobile ECC which can be deployed in any location. An audit of our existing facilities has been carried out with a view to replacing Pitt St as an alternative ECC and also having the capability to expand further. Manukau remains the favoured location due to the council chamber facilities available there.

The old desktop computers at Pitt St are being replaced with new laptops as part of the roll out programme which will allow them to be used in any future alternate ECC project.

**20. Auckland Engineering Lifelines Group.**

Current lifelines projects underway include:

- The Auckland Engineering Lifelines Project (AELP) report, which assesses the vulnerability of Auckland's critical infrastructure to earthquake, volcano, tsunami and cyclone hazards. The project was first completed in 1995-1990 and 'AELP-2' aims to update this project with the latest critical infrastructure and hazard information. Most hazard assessments are complete and the project be finalised by end February 2014.
- Resilience Benchmarking: This project aims to benchmark Auckland's lifeline utilities resilience using the MCDEM Capability Assessment Tool. AELG is working alongside MCDEM to review and update the lifelines worksheet prior to undertaking assessments of utilities and benchmarking performance to identify improvements by organisation and by sectors.
- The Infrastructure Hotspots project was originally undertaken in 2007, to identify areas in Auckland where critical infrastructure converges creating areas of high risk. The project is being updated to:
  - Incorporate updated natural hazard and critical lifeline utility information – some significant changes have occurred in both areas - and re-evaluate ranking of location accordingly.
  - Improve the understanding of the impact of catastrophic failure at hotspots/pinchpoints locations.
  - Understand the level of risk associated with hazards (incorporating probability of failure to provide an overall risk ranking).

- Understand how the impact of failure will evolve – i.e. timeframe to level of service failure. For example, loss of a trunk watermain does not always cause immediate loss to the whole area because of local storage.
- Include consideration of the risk associated with dependence on other structures (e.g. trunk mains on weak bridges).
- Facilitate an improved, coordinated response by emergency management agencies.
- Improve the uptake of the project work, by lifeline utilities and the Auckland Council Infrastructure Planning team.

## Zones

### **21. Community Response Planning**

Community Response Plans (CRPs): (CRPs strengthen community resilience through a community based (and owned) planning process to create community resilience at a local level. Staff have been working with community groups since early 2011 to develop local capacity to respond to, and recover from, events that may cause significant disruption to local communities.

The project initially identified 102 community plan areas across the region that would cover the entire population of the region. Over time this has been reviewed by combining areas of common hazard and/or community interest and ownership and has been rationalised to approximately 80 CRPs that will cover all of Auckland. The CRPs are community owned and activated and CDEM has developed a Standard Operating Procedure to communicate with Emergency Response Groups (ERGs) during emergencies. ERGs then communicate with their Neighbourhood contacts.

To the end of January over one third of Auckland's community is now covered by 47 CRPs with more in progress. The intention is to strengthen and deepen this engagement through both formal contacts with CDEM portfolio holders in the Local Boards and through working with Community Development Arts and Culture and accessing other existing recognised groups.

### **22. Targeted public education**

Four public presentations made plus department staff and community volunteers attending 4 Open Days/Expos, including two significant events; the CBD Santa Parade and MOTAT Fire and Rescue Open Day.

Specific Public Education delivered through the Zones is targeted at communities that already have a plan or we are contemplating commencing a plan. 59 targeted presentations have been made to date to an audience of 5916 people supporting communities to build resilience through community response planning.

### **23. Stakeholder Engagement**

All Key Stakeholder Forum/relationships met: Emergency Services Coordination Committee (ESCC - 3 for the quarter), Emergency Management Committee (EMC - 6 for the quarter) including establishment of new EMC for Central Zone which now brings alignment across the region, Hazardous Substances Coordinating Committee (1 for quarter), Wiri Oil Services (WOSL).

## Logistics

### 24. Volunteers:

Ministry of Education recently lead a review of the Vote Tertiary Education funding arrangements for emergency management volunteer training. The successful outcome of the review is that Cabinet has agreed to establish a ring-fenced pool to be shared between CDEM and fire-fighting volunteer training. Further detail will be coming out of Ministry of Education in the first half of this year.

Increased volunteer assistance at public education events, including Motat Fire and Rescue day Emergency Services Staying Alive, Chinese New Year and Rodney Local Board Expo.

Currently the Auckland CDEM department has a significant number of trained volunteers including:

- 400 Auckland Council Emergency Support staff (ACES). These are Auckland Council staff with suitable transferable skills who are trained to support CDEM to operate on a 24/7 basis, in either the Emergency Coordination Centre and/or Civil Defence Centres. ACES are also given the option to attend events with our Public Education team as Get Ready Get Thru Champions.
- 300 Community Volunteers (CVs). These are members of the community who volunteer their time to train in two areas: Public Education and Welfare Support. These volunteers are trained to assist in various roles in Auckland Council run Civil Defence Centres across the region. In addition to role specific welfare support training, CVs attend events with our public education team as Get Ready Get Thru Champions.
- 30 volunteers across two Auckland Local Emergency Response Teams (ALERTS). These teams provide CDEM with a fast response capability. All team members have a minimum qualification of Orange Card Responder, which is a national standard certification. There are also specialists within the teams including communications, storm and rope response and rural fire support.
- Rural Fire has 265 trained volunteer fire fighters across 16 rural fire stations. All rural fire stations conduct weekly training sessions and crews attend specialist training courses when required. As well as ensuring that their neighbourhoods have the best fire protection possible, Rural Fire volunteers partake in fundraising and community awareness programmes.
- 15 Harbour Master Patrol Boat Crew volunteers assist on one weekend day per 4-6 week roster cycle all year. These volunteers all have boat experience and day skipper qualifications.

It should be noted that the numbers of Community Volunteer and ACES held is being reviewed and is likely to reduce based on commitment and availability issues.

In addition to these volunteers, through the Community Response Plan project there are currently over 450 community responders identified. This is likely to grow to over 1,000 as the project continues. Under MCDEM guidelines these people are not categorised as volunteers, they are members of community owned 'Community Response Groups' formally recognised (but not owned) by the CDEM team and they play an important part in their local communities to build resilience. In an emergency, members of these groups

provide accurate information about their community to the Emergency Coordination Centre and may run pre-designated Community Evacuation Centres in the initial stages of a community response.

#### 25. Key Emergency Suppliers:

Supplier database has doubled, now working on capacity requirements for each type of event.

#### 26. Public Alerting:

Tsunami, an electronic household alarm and warning messenger for use in emergencies, is about to do final pilot before launching into the market place. MCDEM have recommended that CDEM Groups consider the product for their warning system tool boxes.

The national roll out of the CloudM alerting platform and iPhone App is still at the development stage.

The national Cell Broadcasting alerting system is continued to be investigated in conjunction with the ministry of CDEM, although any capability is likely to a few years away.

Ministry of Civil Defence and Emergency Management have released a draft Standard for the use of sirens in Tsunami warnings. It states that fixed coastal sirens solely for tsunami warning is not advised.

Auckland Council has investigated the use of mobile helicopter mounted sirens/loudspeakers. In partnership with the Auckland Rescue Helicopter Trust and their engineers, research is complete on the use on mobile public address and siren systems which can be fitted to their helicopters. The purchase of the units is in final stages of sign off with procurement and CDEM. On delivery to the engineers they will be certified, fitted and tested, which will give us greater coverage of the Auckland Coastal region.

Emergency Management Associates (NZ) Ltd, the operators of the Readynet service, notified of cessation of its operations as of 30 November 2013. Alternatives for this service are being used while a more permanent solution is being developed.

### Attachments

There are no attachments for this report.

### Signatories

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