



Report 11.32
Date 1 February 2011
File Z/01/04/19

Committee CEG
Authors Rian van Schalkwyk, Manager, Emergency Management

Wellington region Earthquake Preparedness Planning

1. Purpose

To seek CEG's approval for implementing a Work Programme to enhance the Wellington region's earthquake preparedness.

2. Background

Following the 4 September 2010 Canterbury earthquake a report (Report 10.602) was prepared for the Wellington CDEM Group's meeting that took place on 7 December 2010. The report titled *Darfield (Canterbury) earthquake observations and relevance to the Wellington region* also included a matrix of proposed earthquake preparedness planning for the Wellington region (*Attachment 1*). However, no timelines were set to address any of the issues set out in the matrix.

Public safety, restoration of services and by ensuring the public's confidence in the responding agencies' ability to provide that safety and recovery measures, remains the primary consideration for earthquake preparedness in the Wellington region.

In Canterbury the public safety and restoration of services priority areas were:

- the loss of water and sewerage services in the worst-affected areas
- immediate and longer term welfare and housing needs
- growing demand and ongoing need for psychosocial services
- business impacts and personal finances
- the need for coordinated, regular communication with the affected communities
- establishment of recovery structures.

Several of the key issues that were observed from Canterbury could have a severe impact on the Wellington region should we experience a similar or larger earthquake. These issues include risk reduction measures, preparedness and response arrangements, and effective planning for recovery. All are covered in the 'preparedness planning' matrix.

3. Conclusions and future actions

As with all regions in New Zealand, the Wellington region has CDEM arrangements and structures in place to manage and coordinate any disaster event. However, there are still many areas where we could be better prepared.

Legislation requires our emergency response agencies and other stakeholders to all have an effective role and responsibility in emergency management.

Many of the issues identified in the attached matrix need to be addressed by our stakeholders (for example local councils, emergency services, District Health Boards, lifelines organisations, welfare organisations, etc.) and as such needs to take cognisance of the fact that they will be required to contribute to the work programme in their respective areas.

Timelines have been set to give each organisation (where required) appropriate time to plan, develop and implement measures to enhance the preparedness of their organisation and its services in relation to a major earthquake event in the Wellington region.

4. Recommendations

That the CEG:

1. *Receives the report.*
2. *Approves the work programme as set out in Attachment 1.*
3. *Note that the work programme dates in Attachment 1 will be updated from time to time.*

Report prepared by:

Report approved by:

Rian van Schalkwyk
Manager, Emergency
Management

Murray Kennedy
General Manager, Utilities
and Services

Attachment 1: Wellington Region Earthquake Preparedness Planning

Wellington Region Earthquake Preparedness Planning: Attachment to CDEMG Report 10.602

Issue/Facility	Proposed action	Who	When
Facilities, systems, tools and staff	<ul style="list-style-type: none"> • MCDEM audit of EOCs was carried out in 2008/09. Where possible facilities are upgraded and enhanced • New national Emergency Information Management System (EMIS) to be implemented • Review of radio communications (project completed on 30 June 2010) • Training and development of emergency management staff 	<ul style="list-style-type: none"> • Greater Wellington and all TAs • EMIS to be rolled out by Ministry of CDEM • CDEM Group Office – provision made in 2011-2012 CDEM Budget • CDEM Group Office and TAs 	<ul style="list-style-type: none"> • Ongoing • February/March 2011 • Phased in over 5 years. Phase 1 completed by 30 June 2011 • Ongoing
Urban Search and Rescue (USAR)	A CDEM Group Regional Rescue Strategy project is underway	CDEM Group Office and TA Emergency Management Offices	Completion by 30 June 2011
Treatment and Movement of the	Ambulance Services and medical care facilities reviewing	Wellington Free Ambulance (lead agency), St Johns and	Ongoing. ESCCs meet on a quarterly basis. TAs and CDEM

Issue/Facility	Proposed action	Who	When
Injured	their capacities and capabilities. Also include in CDEM training and exercising Updates reported to CEG meetings.	District Health Boards – through Emergency Services Co-ordinating Committees (ESCC). Wellington CDEM Group Office to ensure reporting to CEG	Group Office are represented on the 5 ESCCs in the region.
Welfare arrangements (shelter, emergency water and food, counselling services, evacuees)	<ul style="list-style-type: none"> • The CDEM Group Welfare Plan and local arrangements to be reviewed. • Development of a CDEM Group Mass Temporary Accommodation Plan • Update report to CEG 	<ul style="list-style-type: none"> • CDEM Group Office, Regional Welfare Advisory Group, TAs. • Wellington CDEM Group Office to ensure reporting to CEG 	Regional Welfare Advisory Group meets quarterly. Will be discussed and actioned by 30 June 2011
Medical / Health (District Health Boards – hospitals, medical care centres, pharmacies, general practitioners)	Capital and Coast District Health Board coordinates medical planning in the Wellington region. Already in the process of reviewing facilities, medical equipment, medical supplies, staff	Capital and Coast DHB Wellington CDEM Group Office to ensure reporting to CEG.	<ul style="list-style-type: none"> • Ongoing

Issue/Facility	Proposed action	Who	When
	<p>arrangements, preparedness of hospitals, medical centres, pharmacies, general practitioners. Report progress to CEG</p>		
<p>Sanitation (debris, sewage, refuse, disease control)</p>	<ul style="list-style-type: none"> • Review of CDEM Group's Debris and Sewage Disposal Plans • Develop Disposal of Refuse Plan • Review disease control (cholera, dysentery) measures • Report plan and reviews to CEG 	<ul style="list-style-type: none"> • CDEM Group Office and TAs for sewage, debris and refuse disposal plans • Regional Public Health for disease control review • Wellington CDEM Group Office to ensure reporting to CEG 	<ul style="list-style-type: none"> • Sewage disposal by 30 June 2012 and Debris disposal by 30 June 2013. • Public Health arrangements reviewed by 30 June 2011
<p>Restoration of Lifelines Services</p>	<ul style="list-style-type: none"> • Review of Priority Utility Sites for Response and Recovery • Development of a Lifeline Utility Communications 	<ul style="list-style-type: none"> • CDEM Group Office, Wellington Engineering Lifelines Group and Wairarapa Engineering Lifelines Association • CDEM Group Office 	<ul style="list-style-type: none"> • By 30 June 2014 • By 30 June 2013

Issue/Facility	Proposed action	Who	When
	<p>Plan</p> <ul style="list-style-type: none"> • NZTA to review Road Restoration Plan • TAs to review Road Restoration Plans • Issues to be discussed at Wellington Engineering Lifelines Group and Wairarapa Engineering Lifelines Association • Report reviews to CEG 	<ul style="list-style-type: none"> • NZTA, CDEM Group Office, TAs • TAs • CDEM Group Office, Wellington Engineering Lifelines Group and Wairarapa Engineering Lifelines Association 	<ul style="list-style-type: none"> • By 30 June 2011 • By 30 June 2012 • By 30 June 2012
Water supply	<ul style="list-style-type: none"> • Review emergency water supply sources • Timeframe for restoration of wholesale water supply in metropolitan Wellington 	<ul style="list-style-type: none"> • Consultants engaged by Capacity for GWRC, HCC, PCC, UHCC, HCC • Other TAs to review their sources • GWRC 	To be advised
Water supply and waste water pipe	<ul style="list-style-type: none"> • Review material choices following expected publication of reports in 	<ul style="list-style-type: none"> • GWRC (water only) 	To be advised

Issue/Facility	Proposed action	Who	When
materials	2011	<ul style="list-style-type: none"> • TAs 	
Roading and bridges	<ul style="list-style-type: none"> • Review design standards 	<ul style="list-style-type: none"> • TAs 	To be advised
Non residential buildings	<ul style="list-style-type: none"> • Review timeframes for remedial work to earthquake prone buildings 	<ul style="list-style-type: none"> • TAs 	To be advised
Residential buildings (other than apartment blocks)	<ul style="list-style-type: none"> • Construction standards review following the publication of more information, particularly for areas prone to liquefaction 	<ul style="list-style-type: none"> • Department of Building and Housing 	To be advised
Storage racks in warehouses	<ul style="list-style-type: none"> • Review design standards 	<ul style="list-style-type: none"> • Department of Labour (TAs to make representations through CEG? Or LGNZ?) 	To be advised
Flood protection	<ul style="list-style-type: none"> • Assess the affects of liquefaction on flood protection structures 	<ul style="list-style-type: none"> • GWRC 	To be advised