

HAZARD MANAGEMENT



HAZARD MANAGEMENT ACTIVITIES

Hazard management comprises the following activities:

Civil defence emergency management—promoting and enhancing, within the Taranaki community, an integrated comprehensive emergency management system including reducing risk, maintaining readiness, and providing response and recovery capacity and capabilities.

Flood management and general river control—providing accurate and timely flood warnings, providing flood control advice

and undertaking minor works and associated actions to minimise and prevent damage by floods and river erosion.

River control schemes—managing and maintaining river control scheme works to accepted design standards to minimise and prevent damage by floods and river erosion.

KEY CHANGES FROM THE LONG-TERM COUNCIL COMMUNITY PLAN

There are no significant operational or financial changes from those outlined in the *Long-Term Council Community Plan*.

LEVELS OF SERVICE

1. Maintaining a Civil Defence Emergency Management system that delivers efficient and effective civil defence emergency management in Taranaki that is acceptable to the community

- **Measure:** Presence of an appropriate Civil Defence Emergency Management system.

Target: A Civil Defence Emergency Management Group Plan that is kept current and resourced in accordance with statutory requirements.

The *Civil Defence Emergency Management Group Plan for Taranaki* became operative in November 2004. Work on its review is expected to be concluded in 2011/2012 with a new plan in effect.

- **Measure:** Delivery of contractual requirements.

Target: All contract requirements to provide emergency management office and administering authority services to the Civil Defence Emergency Management Group are delivered as specified.

On-going contracts are in place for controller and recovery facilitator functions and for communication facilities servicing.

2. Progressing community understanding and awareness of hazards, risks and responses

- **Measure:** Implementing the Civil Defence Emergency Management Public Education Plan.

Target: Full programme implementation each year. A new public education plan is to be developed in 2011/2012 based upon the new Group Plan.

- **Measure:** Level of public awareness and engagement in risk reduction and preparedness.

Target: Maintenance and enhancement of public awareness (measured through regular surveys).

The next public awareness survey is scheduled for summer 2015.

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3. Maintaining the emergency readiness and response capability and capacity in the region

- **Measure:** Level of capacity and capability within the CDEM Group.

Target: Group readiness and response capability and capacity to be maintained at or enhanced above the level as set out in the *Group Plan* and as assessed by the MCDEM monitoring and evaluation analysis tool in 2010.

- **Measure:** Implementing effective response and recovery procedures to minimise harm or damage to people and property arising from an emergency.

Target: Response and recovery is carried out in accordance with established plans and procedures in order to minimise harm or damage to people and property.

Response and recovery procedures are set out in *Standard Operating Procedures* current as of July 2008.

4. Maintaining flood protection and drainage schemes to protect life and property

- **Measure:** The number of schemes maintained to their full service potential.

Target: 100% of schemes maintained to full service potential as provided in adopted asset management plans.

As of July 2010, the Waitara and Waiwhakaiho flood control schemes were maintained to their full service potential, as were the minor central Taranaki schemes. The Waitotara river clearance and maintenance is proceeding in accordance with the agreed 'Proposed river clearance and maintenance programme for the Waitotara.'

- **Measure:** The level of protection provided by the Waiwhakaiho River flood control scheme.

Target: Increase in flood protection level in the lower Waiwhakaiho River flood protection scheme from 2% annual exceedance probability(AEP) (or 1 in 50 years), to 1% AEP (or 1 in 100 years).

5. Providing accurate and timely flood warnings

- **Measure:** Number of accurate and timely flood warnings issued.

Target: Accurate and timely flood warnings issued in 100% of cases.

In 2008/2009 the Council issued warnings in 100% of cases.

ACTIVITIES – WHAT WE PLAN TO DO

1. CIVIL DEFENCE EMERGENCY MANAGEMENT

What we plan to do in 2011/2012

- Prepare, implement, monitor and report upon the *Taranaki Civil Defence Emergency Management Annual Business Plan*.
- Develop, implement, monitor and report upon the *Civil Defence Emergency Management Public Education Plan for Taranaki*.
- Complete review of the *Civil Defence Emergency Management Group Plan for Taranaki 2004* and draft, notify, and implement, monitor and report upon the next Plan.

2. FLOOD MANAGEMENT AND GENERAL RIVER CONTROL

What we plan to do in 2011/2012

- Effectively monitor rainfall and river levels and issue timely flood warnings. Maintain continuous monitoring systems (100% functional) and issue timely warnings for all cases, where necessary, in accordance with the *Flood Event Standard Operating Procedure* (approximately 35 warnings per annum).
- Undertake minor emergency river and flood control works when necessary.
- Respond to 100% of requests for drainage, river and flood control advice and assistance within ten working days.
- Facilitate river control projects for the environmental enhancement of the region's waterways.

3. RIVER CONTROL SCHEMES

What we plan to do in 2011/2012

- Maintain the Lower Waitara and Lower Waiwhakaiho flood protection schemes in accordance with asset management plan programmes.
- Continue the construction phase to increase the flood protection on the Lower Waiwhakaiho River flood protection scheme from 2% annual exceedance probability to 1% AEP.
- Undertake up to 6kms of channel clearing work in the Waitotara catchment and undertake follow-up maintenance spraying.
- Manage other minor river schemes to standards as agreed with scheme participants.
- Undertake and facilitate other river control works, such as work in the Stony and Kaihihi rivers, as required, for community benefit.

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INDICATIVE COSTS AND SOURCES OF FUNDS

2009/2010 Estimate \$	2010/2011 Estimate \$		2011/2012 Estimate \$	2011/2012 LTCCP \$
Expenditure				
544,393	536,291	Civil defence emergency management	604,800	581,643
252,486	270,664	Flood management & general river control	343,056	265,196
374,367	387,874	River control schemes	423,934	345,078
1,171,246	1,194,829	Total expenditure	1,371,790	1,191,917
Income				
256,893	284,150	General rates	410,525	257,785
356,255	417,431	Targeted rates	482,791	405,906
321,920	333,390	Direct charges	341,724	340,821
30,000	0	Government grants	0	0
206,178	159,858	Investment funds	224,664	187,405
1,171,246	1,194,829	Total income	1,459,784	1,191,917
0	0	Operating surplus/(deficit)	87,994	0
Reserve movements				
(1,330)	(870)	Transfer from reserves	0	500,000
(2,894)	(8,871)	Transfer to reserves	0	(15,237)
(4,224)	(9,741)	Total reserve movements	0	484,763
Capital expenditure				
0	0	Land	0	0
0	0	Buildings	0	0
64,000	28,000	Motor vehicles	32,000	0
39,300	19,500	Plant and equipment	19,100	25,450
0	0	Office furniture	0	0
0	0	Computer equipment	0	0
250,000	500,000	Flood and river control assets	500,000	500,000
0	0	Computer software	0	0
353,300	547,500	Total capital expenditure	551,100	525,450
Funded by:				
353,300	547,500	Transfer from retained earnings	551,100	525,450
353,300	547,500	Total funding	551,100	525,450