



CDEM Resilience Fund project application form

Application for CDEM Resilience Collaborative fund approval	
Project title	Earthquake Simulator – The Shaky House
Date of application	February 2013
Details on application	
Lead local authority	Hurunui District Council
CDEM Group	Canterbury CDEM Group
Other local authorities or Groups supporting the proposal	Kaikoura District Council, Waimakariri District Council, Selwyn District Council, Ashburton District Council, Mackenzie District Council, Timaru District Council, Waimate District Council, Christchurch City Council
Project description	
<p>Executive summary</p> <p>This resilience fund proposal is for the purchase of a new earthquake simulator for the Canterbury Group. As a tool for engaging with the public an earthquake simulator has proven to be a tangible demonstration of an earthquake's force and the reasons to prepare for an emergency. The current simulator has proven to be invaluable at public gatherings; however it needs to be replaced.</p> <p>Despite recent events, the risk of future earthquakes from sources such as the alpine fault, poses a real risk for Canterbury, and there is a need to retain and build on the communities understanding of, and preparedness for, such an event. The earthquake simulator also creates the opportunity to talk about preparedness for other events, as its interactive display engages the public and offers the opportunity for them to learn more about CDEM</p>	
<p>Problem/opportunity</p> <p>Canterbury Groups current "shaky house" has been used successfully in Canterbury for many years, however is very run down, difficult to set up, and has very basic forward and backward motions to simulate an earthquake.</p> <p>Newer models of earthquake simulator in New Zealand are much more sophisticated, permanently mounted on a trailer and can be operated by one person. The model that the Canterbury Group is looking to purchase is also specially designed with a narrow body so that it can be used in school or community halls with a double door access.</p> <p>The current "shaky house" has been used at A&P Shows, fairs, Disaster Awareness Week schools, and other public events. We anticipate with a more user friendly model the usage of the new earthquake simulator will increase across all of the Territorial Authorities in Canterbury.</p>	
<p>Alignment with identified goals and objectives</p> <p>This project aligns with Goal One of the National CDEM Strategy through increasing the community's level of awareness and understanding of the risks from hazards. As a public education tool it provides a mechanism to engage communities in discussion about the hazards they face. This type of engagement enhances community resilience through creating closer links between CDEM and the wider community. It also creates the opportunity to engage people in conversations about preparing for an emergency which is proven to better motivate people to prepare, rather than simply handing out information.</p>	

The shaky house has been a key public education tool in Canterbury over the last decade, and its demise has been identified as a key gap in the Groups capability to promote the CDEM message at public events in the region. The new earthquake simulator is an especially important tool for the smaller, more rural areas of Canterbury, firstly because it is perfect for using at public events such as the A&P Shows, but also because it will be less resource intensive to use.

Dissemination of benefits to sector

The earthquake simulator is being purchased for use by all of the Territorial Authorities in the Canterbury Region, and will be a Group resource. However, as in the past, Territorial Authorities from other Groups in the South Island are welcome to borrow the simulator if it is not being used in Canterbury.

Project design

Project manager	Allan Grigg – Hurunui District Council
Other project members	Jessica Petersen – Group Community Resilience Coordinator
External providers/contractors	Can Do Training & Consultancy

Deliverables

Milestone	Date for completion	Cost
Engagement of Building Contractor	August 2013	
Construction of the Earthquake Simulator	October 2013	\$15, 000

Identified risks

Risk	Suggested management
<p>The risk of not updating the earthquake simulator is losing a key public engagement tool for Canterbury</p> <p>There is a risk that the earthquake simulator will not work</p> <p>There is a risk that the earthquake simulator will not be utilised to its full capacity</p>	<p>Purchase of the new earthquake simulator</p> <p>The Canterbury Group will take advice from Southland Group on the development of the simulator. Southland has recently purchased a simulator of its own.</p> <p>The Canterbury Group have identified this as a gap in their public education toolkit and use of the “shaky house” in previous years has proven this to be a good investment.</p>

Funding request and use

CDEM resilience fund contribution	\$15, 000
Local authority contribution	Project management for construction of trailer. On-going maintenance costs, including on-road costs of registration and warrant.
Other sources of funding	nil
Expenditure	Materials and labour for the construction of the earthquake simulator on the trailer.

	\$ 15,000
Application confirmation	
Approval of Chief Executive	<i>A Detail</i>
CDEM Group comment	
Comment	The Canterbury CDEM Group endorses the purchase of the earthquake house as a critical public education resource.
Approval of Coordinating Executive Group Chair	

