



## CDEM Resilience Fund project application form

Application for CDEM Resilience Collaborative fund approval	
Project title	Otago Lifelines Vulnerability and Interdependency Assessment
Date of application	4 March 2013
<b>Details on application</b>	
Lead local authority	Otago Regional Council
CDEM Group	Otago
Other local authorities or Groups supporting the proposal	Jointly supported by the five territorial authorities within the Otago Region.
<b>Project description</b>	
<b>Executive summary</b> <i>[200 words maximum description.]</i> <p>There are more than 30 lifeline utilities in the Otago CDEM Group area, some of which are cross-regional and have national importance. The Group is undertaking a lifelines study at a regional level, based on the framework set out in the Best Practice Guide published by MCDEM. The Group is presently addressing Stage 3 of that framework and has substantially completed the mapping of Lifeline networks. This information has been overlain onto hazard maps for the region (publicised through the Otago Natural Hazards Database) and an elementary review of lifeline 'hot spots' undertaken for the electricity sector.</p> <p>The next steps are to identify, assess and report on hotspots, interdependencies and pinchpoints for all lifelines and then determine emergency response priorities, response dependencies and a set of restoration priority principles for the Otago CDEM Group area. These steps will be undertaken as a project, led by the Otago CDEM Group office. Funding is sought for the necessary technical expertise, by way of a consultant, to ensure the steps are undertaken in robust manner.</p> <p>The project will increase resilience within the Otago CDEM Group area and inform assessment of the national situation with respect to lifelines vulnerabilities.</p>	
<b>Problem/opportunity</b> <i>[200 words maximum description.]</i> <p>There are more than 30 lifeline utilities in the Otago CDEM Group area, some of which are cross-regional and have national importance (e.g. Clutha hydro scheme). The Otago region has made considerable progress over the last 12 months in collating base information on lifeline networks and comparing them with natural hazards information held by Otago Regional Council (Otago Natural Hazards Database). This work has confirmed that emergency response priorities, response dependencies and a set of restoration priority principles need to be developed for the Otago CDEM Group area. To inform those matters further work is needed at a regional level to understand the hotspots, interdependencies and pinchpoints for all lifelines. Such work is specialised and must be approached in a systematic fashion. It should draw on the experiences and learnings of studies elsewhere in New Zealand. The Group requires resourcing and funding of these project inputs.</p>	
<b>Alignment with identified goals and objectives</b> <i>[200 words maximum description.]</i> <p>The MCDEM Otago Capability Assessment recommended under goal 3: To enhance New Zealand's capability to manage civil defence emergencies that Lifeline be a key improvement target and the 2012-2017 Otago CDEM Plan incorporates Lifeline activities as a high priority for the Otago Group. The Otago CDEM Group Plan includes within its improvement statement that Lifelines and business continuity are key areas of focus.</p>	

The completion of lifeline planning with a collective and regional lifeline utility approach is set out as an immediate task in the Otago Group Task in the Group's 2012-17 Plan. The Group's Risk Reduction Committee is overseeing the lifelines study.

**Dissemination of benefits to sector** [200 words maximum description.]

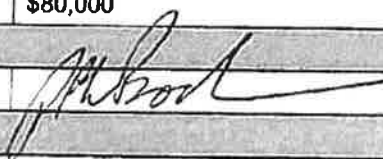
The Otago CDEM region includes substantial electricity generation utilities that contribute to New Zealand's energy needs. The development of the relationship within Otago will therefore also contribute to this wider provision of New Zealand wide lifeline services. Secondly it will strengthen the understandings between territorial authorities, emergency services and lifeline organisations which become critical during and after an emergency event.

**Project design**

Project manager	Graeme Hall
Other project members	-The Otago CDEM Group Risk Reduction Committee - Otago Regional Council (through provisions and collation of natural hazards information and assessment). - Otago Lifeline Utility representatives. - Emergency Services representatives.
External providers/contractors	To be selected by the project group after suitable offers of service are obtained.

**Deliverables**

Milestone	Date for completion	Cost
Project brief confirmed and consultant engaged.	9 August 2013	\$3,000
Analysis and draft reporting completed, including workshops with all lifeline organisations, describing hotspots, interdependencies and pinchpoints for the Otago CDEM Group area and describing emergency response priorities, response dependencies and a set of restoration priority principles.	20 December 2013	\$67,000
Final report and associated mapping completed and accepted by Otago CEG.	31 March 2014	\$10,000

<b>Identified risks</b>	
Risk	Suggested management
1. Poor participation by lifelines utilities.  2. Poor information and report result completed.  3. Final document that is not useful to Lifeline and CDEM organisations	1. Governance by Group's Risk Reduction Committee with follow-up action by CEG as necessary.  2. Accurate, well-defined brief developed with involvement of lifeline and emergency sectors.  3. Combined knowledge and input of CDEM Risk Reduction Committee and the wider Otago lifeline utility managers' involvement.
<b>Funding request and use</b>	
CDEM resilience fund contribution	55,000
Local authority contribution	25,000 (Otago CDEM Group office)
Other sources of funding	0
Expenditure <i>(Please supply details)</i>	\$80,000
<b>Application confirmation</b>	
Approval of Chief Executive	 4/2/13
<b>CDEM Group comment</b>	
Comment	This project is essential to develop a complete lifeline plan for the Otago area and to foster a functioning Otago lifeline group.
Approval of Coordinating Executive Group Chair	