



CDEM Resilience Fund project application form

Application for CDEM Resilience Collaborative fund approval	
Project title	Fuel Resilience
Date of application	28 February 2012
Details on application	
Lead local authority	West Coast Regional Council
CDEM Group	West Coast CDEM Group
Other local authorities or Groups supporting the proposal	Buller District Council Grey District Council Westland District Council
Project description	
<p>Executive summary [200 words maximum description.]</p> <p>Due to the geographic isolation of the West Coast, a major event such as the rupture of the Alpine Fault, is likely to result in significant disruption of 'just in time' deliveries. This Resilience Fund application seeks funding to enhance fuel resilience on the West Coast.</p> <p>The proposal to hardwire four service stations throughout the Region will contribute to a more robust network of facilities which will assist with the provision of fuel in the event of long term power outages. The outcome of this application will complement other research completed which identified private fuel sources that may also be required in such an event.</p> <p>This initiative will aid in further developing the resilience of the West Coast, while reducing the pressure in accessing fuel supplies from outside of the region during the initial response phase.</p>	
<p>Problem/opportunity [200 words maximum description.]</p> <p>The West Coast Engineering Lifeline Reports, completed in 2006, highlighted the importance of fuel in the response and recovery phases of an event. The West Coast CDEM Group has itself undertaken a stocktake of fuel resources available in the Region, as well as logistical options should the primary transport routes be unavailable. In light of this research, as well as the outcomes of several exercises, immediate access to fuel, particularly for initial response vehicles, emergency services and contractors has been identified as a high priority. Furthermore, it is expected to be several days before alternative options for transporting fuel to the West Coast are operational.</p> <p>It is proposed that four service stations be hardwired to enable these facilities to continue to operate following a sustained power outage. The sites have been identified in relation to the availability of alternative fuel sources and the requirement for fuel supply in that area following an event. The sites include Westport, Reefton, Greymouth and Franz Josef.</p> <p>In order for the hardwiring to be completed, the service stations will be required to sign a Memorandum of Understanding regarding the provision of fuel in an event that would trigger the need to revert to the long term use of a generator.</p>	
<p>Alignment with identified goals and objectives [200 words maximum description.]</p> <p>This application aligns with the National CDEM Objective 3b "Enhancing the ability of CDEM Groups to prepare for and manage civil defence emergencies" as well as enhancing the resilience of the West Coast community.</p>	

It also addresses gaps identified by the West Coast Engineering Lifeline Reports, as well the West Coast Engineering Lifelines Group, West Coast Coordinating Executive Group and the West Coast Regional Council, as well as completing further actions as identified in the Fuel Storage Report 2008.

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

The outcome of this application will further contribute to the building of a 'Resilient West Coast community' enabling us to be self sufficient following a large event for a longer period of time. However, it is recognised that increased resilience at the local level, which the successful outcome of this application would provide, will also result in a heightened national resilience.

Project design

Project manager	West Coast CDEM Group Office (Nichola Costley)
Other project members	Buller District Council, Grey District Council and Westland District Council
External providers/contractors	Electronet, Greymouth

Deliverables



Milestone	Date for completion	Cost
Development and signing of MOU with service stations	August 2012	Nil
Hardwiring of service stations	October 2012	\$19,258 (excl GST)
Total		\$19,258 (excl GST)

Identified risks

Risk	Suggested management
Following hardwiring, that the service stations would supply fuel as per normal in an event with prolonged power outage.	Development and signing of an MOU between District Councils and respective service stations to ensure provision of fuel is to initial response vehicles as recommended in the <i>Fuel Supply Prioritisation and Rationing Protocols</i> . Close relationships developed and maintained between District Council and local service stations.
Generator unavailable or not able to be plugged into service station following an event.	The WC Engineering Lifelines Group has determined a consistent plug standard when undertaking hardwiring of any facility. Each Council will have a generator that is rotated around priority sites as needed and prioritised during and immediately after an event.

Funding request and use

CDEM resilience fund contribution	\$19,258 (excl GST)
Local authority contribution	-
Other sources of funding	-
Expenditure [Please supply details]	Refer to attached schedule.

Application confirmation	
Approval of Chief Executive	 Chris Ingle
CDEM Group comment	
Comment	<p>This Resilience Fund application seeks to provide access to fuel in key locations to assist in the initial response following an event where there may be prolonged power outages.</p> <p>This application is fully endorsed and supported by the West Coast CDEM Group.</p>
Approval of Coordinating Executive Group Chair	 Chris Ingle

Estimate for the Installation of Generator Outlets at West Coast Service Stations

	Part #		Total Cost
Generator Inlet			
Mounting Enclosure	56E4	\$	97.00
5pin 50A Appliance Inlet	56AI550	\$	289.00
MCB Cover	56CB4	\$	77.00
3phase 50A C Curve MCB		\$	110.00
Cable-16mm 3C N/S (x 10meters)		\$	150.00
Cable- 6mm Green PVC (x 10meters)		\$	25.00
Misc Parts		\$	200.00
Changeover Switch			
160A Mains/ Generator Switch in an Enclosure		\$	1,855.00
Cable- 25mm 3C N/S		\$	200.00
Misc Parts		\$	100.00
Labour			
Electrician		\$	550.00
Inspector		\$	650.00
Individual Unit Total (exl Travel)		\$	<u>4,303.00</u>
Travel (Combined Labour and Kms)			
Greymouth		\$	-
Westport		\$	588.00
Reefton		\$	448.00
Franz Josef		\$	1,010.00
Total Cost per Petrol Station (Including Travel)			
Greymouth		\$	4,303.00
Westport		\$	4,891.00
Reefton		\$	4,751.00
Franz Josef		\$	5,313.00
Total		\$	<u>19,258.00</u>
			exl GST

The above price excludes the supply of a suitable lead to allow connection to a generator