

Resilience Fund Application Form

This form provides the minimum information for the application. A detailed project plan should be developed to inform this application and may be attached.

Project title	A West Coast Fuel Resilience project: Preparing for AF8 #1: Improving emergency access to fuel supply and emergency power
Date of application	25/01/2022
Details on application	
Applicant <i>[CDEM Group must endorse/sponsor all applications]</i>	West Coast Civil Defence Emergency Management
Sponsoring CDEM Group	West Coast Civil Defence Emergency Management
Other local authorities, Groups or organisations supporting this proposal	CEG, Lifelines members
Project description	
Executive summary <i>[200 words maximum]</i>	
<p>This project follows on the West Coast Resilience Action Plan project of 2021/22 that identified opportunities for improvement in fuel resilience for the region. Access to fuel stocks is an ongoing concern for West Coast CDEM as post-AF8 (or other significant events) the West Coast may be isolated for months due to damage with supply chain routes. This means fuel conservation with careful management will be required for a significant period of time.</p> <p>This project is about increasing resilience of existing retail and bulk storage sites through:</p> <ol style="list-style-type: none"> 1) the completion of electrical work that allows service stations to utilise alternate power sources to access fuel stores, 2) generator capacity available as an alternate power source for service stations, and 3) provision of mobile tanks to enable the movement of ground fuels around the region as required. <p>This capability is required to manage critical customer fuel needs until access can be restored.</p>	
Challenge/opportunity <i>[200 words maximum]</i>	
<p>It is likely that the West Coast has to manage on its own resources post AF8 (or other catastrophic event) for a significant period of time. There is currently limited emergency access to fuel stocks within the region. Retailers and bulk storage sites are not well prepared for interruptions to power supply and there are no stores of generators or hire company stocks. Access to existing stores of fuel within the region is critical and must be made more accessible for emergency use that requires emergency power from generators.</p>	

This issue has been understood for many years. Without considerable support from CDEM it is unlikely any direct improvements will be made.

CDEM has an opportunity to work with local retailers and bulk sites to improve resilience across the region through a consolidated and supported programme to improve access to fuel, have emergency reserves of generators (including mobile) to provide power source for multiple response activities, and the ability to move fuel across locations by ground (and potentially air) within the region.

Alignment with priorities and objectives of the National Disaster Resilience Strategy (NDRS) [200 words maximum]

This project aligns with priorities and objectives of the NDRS including:

Priority: Managing risks - **Objectives:** 1) Risk scenarios and informed decision making, 6) Economic impacts

Priority: Effective response to and recovery from emergencies - **Objective:**10) enable and empower community-level response, and ensure it is connected into wider coordinated responses

Priority: Enabling, empowering, and supporting community resilience - **Objectives:** 13)... build resilience, paying particular attention to those people and groups who may be disproportionately affected by disasters, 15) ... take a whole of city/district/region approach to resilience

Alignment with Principles and Allocation Preferences [200 words maximum]

Principles

This project takes a **Local / regional focus** across fuel resilience and is a result of planning to support communities and the region to be more resilient in fuel management during shortage or conservation.

NEMA involvement is critical to support this initiative, without which there appears little appetite from fuel suppliers and the private sector to invest.

Allocation Preferences

The project is outcomes focussed. There is strong alignment with NDRS, and our key Iwi / **Māori partners** will have improved access to critical services.

Fuel suppliers have indicated their support for the initiative and noted similar projects have occurred with other CDEM Groups.

This project **supports national consistency** for regions to improve their own resilience in fuel as major events will quickly overwhelm the system in the first few weeks following an alpine fault rupture or similar scale event.

Wider funding / resource commitment is being gathered for a long-term fuel resilience project (Inland fuel depot/installation) but is outside of this current project due to timeframes and need for short-medium term resilience measures.

This **project builds on existing work** completed in the West Coast Resilience Action Plan project currently underway and which has informed this current project proposal. The project contains **Operational expenditure (Opex)** and some capital expenditure.

Application of outcomes/benefits to sector [200 words maximum]

The objective of this project is to improve access to current fuel reserves through provision of alternate energy supply to access existing fuel stocks.

In turn this reduces the need for immediate support from out of the region (for example from NEMA/NZDF) to access, power and manage existing fuel stocks, provide emergency power capability for key facilities across the region.

The additional generators will also assist in providing mobile alternate power supply, run and maintain emergency (alternate) communications or other response activities.

The region currently has no available reserves of generators and limited access to existing fuel reserves if power is interrupted. Removal of these barriers will make the West Coast more resilient and self-sustainable in the initial weeks following a major interruption to the supply chain and critical power infrastructure – reducing the need for immediate support and increasing the West Coast’s ability to ‘get thru’ and help ourselves.

Ongoing costs (post-project) and how it will be funded *[200 words maximum]*

TA support:

Generators/trailers require annual servicing/licensing

- Trailer generator units - \$550 per unit per year/500 hrs – return to TransDiesel price
- Trailers need WOF and Registration - \$150/year
- Portable generators – Approx. \$150 per unit per year – return to service provider price (small motor shop e.g. motor mower service provider)

Any costs associated with storage.

Project design

Project manager	Claire Brown, Director Natural Hazards & Emergency Management, West Coast CDEM
Other project members	West Coast CDEM team, external project coordination (included in proposal), CEG Chair
External providers/contractors	Project support contractor – to be confirmed Electrical contractor/s, equipment suppliers
NEMA resource (if needed)	-

Deliverables *[Note: payments will be made after successful completion of milestones identified]*

Key milestones	Date for completion	Cost (invoice amount)
Electrical survey (consultancy)	31 August 2022	\$ 12,500.00
Purchase of all equipment and electrical services (as per Budget)	31 November 2022	\$ 273,538.44
Project coordination (part-time resource) and progress reporting to NEMA.	Progress report 30 September 2022 Final report 31 December 2022	\$ 12,000.00

Identified risks	
Risks	Suggested mitigation / management
Shortage of hardware/supplies	Order early once application approved to avoid supply chain delays
Resourcing	External project resource factored into application to provide coordination and support. Team involvement to be factored into work plan to insure there is some capability for EMOs to interface with their respective community contacts e.g. fuel service outlets.
Location for storage	Engage with Council/s to determine best storage locations
Delays/Resistance from fuel retailers	Unlikely but would simply reduce costs and funding required to be drawn down.
Ongoing costs for TA's	TA commitment to the project and understanding that to have resilience in the bad times there are costs throughout the good times. Consider appetite for risk and need for support post catastrophic event.
Funding request and use	
CDEM Resilience Fund contribution	\$ 298,038.44
Local authority / organisation contribution	Seek support to cost of servicing the trailer unit in each District from relevant TA. Provision of storage locations. Refer below.
Other sources of funding or support	A separate piece of work is underway considering an 'Inland Fuel Depot' supported in part by Lifeline partners. There is no guarantee this will proceed and any installation could be some years away if it does i.e. long-term project , however a number of Lifeline partners have already indicated that they may financially support a regional initiative. If it proceeds, we will be seeking <u>significant</u> support (financial and in kind) from Councils, Agencies and Lifelines for the Inland Fuel depot project which will not be subject to a Resilience Fund application (hence why not seeking support from TAs in this current project). The current project (this application) is about improvements in short-medium term that will increase fuel resilience with what we currently have available in the region.

Budget <i>[please supply spreadsheet]</i>	\$ 273,538.44 See last page (page 7)	
Applies if application exceeds \$100,000 over the life of the project	Are you prepared to attend an interview in support of this application (if needed)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Application confirmation		
Is this application from an individual or other organisation		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Does the CDEM Group support this application? <i>[sign off below confirms support]</i>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Approval of Chief Executive [Chief Executive or Head of the organisation receiving the funding]	 Name: <i>Heather Mabin</i>	
Approval of CEG Chair	 Name: Simon Bastion	
All communications regarding the application, including approval decisions will be addressed to the Chief Executive and CEG Chair		
CDEM Group comment		

Note: Only complete forms will be considered for assessment. All completed forms and supporting documents must be emailed to NEMA at resilience.fund@nema.govt.nz

NEMA Assessment [internal use only]		
Principles	Yes	No
Local / regional focus	<input type="checkbox"/>	<input type="checkbox"/>
Values the role of Māori in the Emergency Management System	<input type="checkbox"/>	<input type="checkbox"/>
NEMA involvement required	<input type="checkbox"/>	<input type="checkbox"/>
Allocation Preferences		
Alignment with NDRS	<input type="checkbox"/>	<input type="checkbox"/>
Achieves equity of outcomes for Māori communities, marae, hapū, iwi and Māori organisations	<input type="checkbox"/>	<input type="checkbox"/>
Outcome focused	<input type="checkbox"/>	<input type="checkbox"/>

Applicable in other regions / CDEM Groups	<input type="checkbox"/>	<input type="checkbox"/>
Supports national consistency	<input type="checkbox"/>	<input type="checkbox"/>
Wider funding / resource commitment	<input type="checkbox"/>	<input type="checkbox"/>
Build on existing work	<input type="checkbox"/>	<input type="checkbox"/>
Operational expenditure (Opex)	<input type="checkbox"/>	<input type="checkbox"/>
Capital expenditure (Capex)	<input type="checkbox"/>	<input type="checkbox"/>
Other		
Application from individuals or other organisations endorsed/sponsored by CDEM Group		
NEMA Subject Matter Expert Comment	Supported <input type="checkbox"/>	Not supported <input type="checkbox"/>
NEMA Regional Emergency Management Advisor Comment	Supported <input type="checkbox"/>	Not supported <input type="checkbox"/>
NEMA Review Panel Comment	Supported <input type="checkbox"/>	Not supported <input type="checkbox"/>

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NEMA Director Decision Sign-off	Approved <input type="checkbox"/>	Declined <input type="checkbox"/>
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Director of Civil Defence Emergency Management

Budget

#	Component	Description	Detail	Qty	Price (ex-GST)	Total (ex-GST)
1	Project management	Project management and liaison	Coordination of all project activities, liaison with suppliers/service providers, reporting to WCCDEM and NEMA reporting requirements.	1	\$ 12,000.00	\$ 12,000.00
2	Increasing access to retail/bulk fuel supply	Electrical survey and assessment – Service stations/Bulk fuel sites	Assessment of all service stations in region to identify emergency backup power needs and price up electrical work and fittings. 30 sites across West Coast. An MOU will be required to be 'generator ready' and provide conditions for maintenance and testing.	1	\$ 12,500.00	\$ 12,500.00
3		Completion of electrical work to be "generator ready"	Subsidise the provision of generator connections at service stations and other bulk sites at backup options with a "standard" connection enabling powering via WCCDEM mobile generator (see Notes on next page). Subsidy to provide the installation of connection. Each connection will require a MOU to be 'generator ready' and provide conditions for maintenance and testing.	20	\$ 6,000.00	\$ 120,000.00
4	Emergency power supply	Purchase of generators for emergency power including access to fuel supply sites, ECC/EOC backup, deployable assets for IMT, emergency communications	WCCDEM portable 8.9 kVa generator cache for deployment and capable of providing comms backup power and other operational needs (petrol).	10	\$ 2,300.00	\$ 23,000.00
5			Mobile 35kVa generator unit/s on trailer (generator, trailer, lifeguard box, cable, switch). One unit per district - deployable to sites and capable of running a service station pump set, or ECC/EOC/IMT.	3	\$ 23,000.00	\$ 69,000.00
6			Storage container for the above (Shipping container) with security provisions.	1	\$ 20,000.00	\$ 20,000.00

7	Fuel Storage – mobile	Mobile Fuel Storage Units on coast.	1000L mobile units (with pumps) strategically located for ground transport, deployable and air-lift capable.	4	\$ 10,384.61	\$ 41,538.44
Project total ex-GST						\$ 273,538.44

Notes:

Some of the pricing is indicative only – best attempts to get accurate prices have been made with suppliers for this proposal and are based on worst case scenario. Some suppliers have been able to provide detailed quotes, but in some cases detailed pricing can only be provided once work commences e.g. electrical survey complete e.g. Item 3. Indicative pricing based on electrical supplier advice “Install of Generator changeover switch, and 63 Amp 3 phase inlet at a fuel station - \$6000 - \$15000 + GST for best to worst case scenarios”.

It is anticipated if this project gets support that some fuel companies/owners will support the generator connect work and this cost could be reduced however we need access to the fuel either way and need to make this happen. Should costs be less the budget can be modified during the life of the project. Budgeted cost has allowed for 20 of the sites to be adapted and a \$6000 figure used to accommodate best/worst case less support from fuel companies.