Resilience Fund Application Form

Project title	**A West Coast Fuel Resilience project:** **ACCESS AND RETRIEVAL OF FUEL IN GROUND TANKS**
Date of application	January 2025
Details on application	
Applicant *[CDEM Group must endorse/sponsor all applications]*	West Coast Emergency Management (WCEM) Group
Sponsoring CDEM Group	WCEM
Other local authorities, Groups or organisations supporting this proposal	Coordinating Executive Group (CEG) Lifeline members
Project description	
Executive summary *[200 words maximum]*	

This project builds on the successful improvement in fuel resilience for the West Coast, where 15 West Coast fuel stations were made generator ready by resilience fund funding between 2022-24.

Electrical work was completed, trailered generators and transportable fuel pods were purchased. These now being stored at strategic locations coast wide.

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 normal supply chain routes.

This means careful management of fuel stocks on the coast will be required for a significant period of time.

This new project is about furthering our resilience in access to the West Coast's stored fuel.

Discussions with several fuel suppliers at the end of the 'generator ready' project highlighted a concern that even with power, if the internet is not working, the pumps cannot pump.

This is especially true of 'unmanned' fuel stations and our reliance on the internet to run fuel stations. Most fuel stations do not have back up (Eg Starlink) internet connections.

Any seismic activity may damage above ground bowsers and office areas, though the tanks may be intact and not breached.

There is currently no system available to pump this fuel.

This application seeks support to purchase **four** fuel pumps. One each to be stored in Hokitika, Greymouth and Westport. The fourth can be relocated where best required, example Franz Josef, or Reefton.

Benefits of a portable pump system are:

- *Air transportable*
- *Purpose built*
- *Easy to operate*
- *Filter system*
- *Flow meter*
- *12V car battery powered.*

Challenge/opportunity *[200 words maximum]*

Having full access to surviving stores of fuel within the West Coast is critical after an AF8 or similar magnitude disaster. Portable pumps would allow access in a *worst-case* scenario of no power/internet.

Without purpose built, portable pumping systems, it is envisaged unsafe methods would be used to retrieve fuel from in ground tanks.

This occurred in Kaikoura after the 2016 earthquake where fuel was initially retrieve via a jury rigged ad hoc pump system.

Strategically pre-positioning several purpose built, safe fuel syphoning systems would:

- Keep communities safe in that jury-rigged syphoning systems are not required or built.
- Easy training and awareness can by conducted on these pumps.
- Easily transported by road or aviation to locations on the coast as required.
- Fuel can be syphoned through the pump's filters, protecting the machinery the fuel is placed into.
- Fuel quantities taken can be kept via the pump's flow meter and operator, allowing quantity data being kept.
- Not having to rely on similar units being flown in from other regions, whom may need them themselves.

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 – **Purpose built pump is safer for operators and members of the public. Easy to use and set up. Air transportable.**

Priority: Effective response to and recovery from emergencies – **Pre positioned pumps on the coast allow for full access to fuel in the event of complete fuel station system failure.**

Priority: Enabling, empowering, and supporting community resilience – **Communities that the pumps would be sent to, can easily operate the unit without ongoing outside assistance, their only requirement to provide a 12volt battery.**

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. There appears little appetite from fuel suppliers and the private sector to invest in emergency syphon pumps. The whole West Coast region is fragile in power and internet. **Allocation Preferences** The project is outcomes focussed. There is strong alignment with NDRS. 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. 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.
Application of outcomes/benefits to sector *[200 words maximum]*
The objective of this project is to improve access to current West Coast fuel reserves through provision of alternate portable pumping systems. 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. 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]*
Annual training on the pumps can be achieved via normal emergency management training via the WCEM budget. No annual service is required on the pumps and no on-going costs are envisaged.

Project design	
Project manager	Paul Gurney
Other project members	

External providers/contractors	Petrotec (supplier of pumps)		
NEMA resource (if needed)			
Deliverables *[Note: payments will be made after successful completion of milestones identified]*			
Key milestones	Date for completion	Cost (invoice amount)	
Purchase of 4 units Provider Petrotec Picture of unit in appendix one.	December 2025	$ 28,400 (GST Excl)	
Units located with training plan in place	June 2026	$ 0	
		$	
		$	
Identified risks			
Risks	Suggested mitigation / management		
Operator of pump untrained	Training provided to likely users of the pump system.		
Funding request and use			
CDEM Resilience Fund contribution	$ 28,400 (GST Excl)		
Local authority / organisation contribution	$		
Other sources of funding or support			
Budget *[please supply spreadsheet]*	$		
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 ☐	No ☐
Application confirmation			
Is this application from an individual or other organisation		Yes ☐	No ☒
Does the CDEM Group support this application? *[sign off below confirms support]*		Yes ☒	No ☐

Approval of Chief Executive [Chief Executive or Head of the organisation receiving the funding]	
	Name: Darryl Lew
Approval of CEG Chair	
	Name: SIMON PICKFORD
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	☐	☐
Values the role of Māori in the Emergency Management System	☐	☐
NEMA involvement required	☐	☐
Allocation Preferences		
Alignment with NDRS	☐	☐
Achieves equity of outcomes for Māori communities, marae, hapū, iwi and Māori organisations	☐	☐
Outcome focused	☐	☐
Applicable in other regions / CDEM Groups	☐	☐
Supports national consistency	☐	☐
Wider funding / resource commitment	☐	☐
Build on existing work	☐	☐
Operational expenditure (Opex)	☐	☐
Capital expenditure (Capex)	☐	☐

Other		
Application from individuals or other organisations endorsed/sponsored by CDEM Group		

NEMA Subject Matter Expert Comment	Supported ☐	Not supported ☐

NEMA Regional Emergency Management Advisor Comment	Supported ☐	Not supported ☐

NEMA Review Panel Comment	Supported ☐	Not supported ☐

NEMA Director Decision Sign-off	Approved ☐	Declined ☐

Director of Civil Defence Emergency Management