



## CDEM Resilience Fund project application form

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

<b>Project title</b>		Generator Plan
<b>Date of application</b>		25 September 2018
<b>Details on application</b>		
<b>Applicant</b>		Manawatu-Wanganui CDEM Group
<b>CDEM Group/s affected</b>		Manawatu-Wanganui CDEM Group
<b>Other local authorities, Groups or organisations supporting this proposal</b>		Manawatu-Wanganui Lifelines Advisory Group
<b>Project description</b>		
<b>Executive summary [200 words maximum description.]</b>		
<p>This application is for a one year project for the development of a Generator Plan for the Manawatu-Wanganui CDEM Group area.</p> <p>Electricity disruptions can cause significant issues and can occur from any number of natural hazard events. The July 2017 snow storm/severe weather event that impacted the region revealed the fact that many homes and businesses do not have contingency in the case of electricity disruption.</p> <p>Whilst developing the Groups Regional Fuel Plan, which was adopted earlier this year, it became evident that only a limited number of fuel outlets have backup power supply and the ability for 'plug in' generator capacity. The majority of outlets in the region have neither.</p> <p>Given the above it is considered by the Lifelines Advisory Group and the wider CDEM Group that there is a need to develop a Generator Plan. This would build on the Fuel Plan and underpin the knowledge and understanding learnt from that study. It would also apply to a wider range of scenarios in which widespread electricity outages could occur.</p> <p>The Plan would provide an assessment of the need for generator backup in the region, a stocktake of generator availability, and a plan for improving resilience through targeted improvements to the current situation.</p>		
<b>Challenge/opportunity [200 words maximum description.]</b>		
<p>Exercise Tangaroa 2016 highlighted the regions vulnerability to fuel disruption given that all fuel is trucked into the region. The first step in addressing the understanding of this was by way of the development of a Regional Fuel Plan. This Plan sets out the arrangements for managing fuel shortages in the region in an event involving a CDEM response.</p> <p>The purpose of this Plan is to ensure that roles for managing fuel supply disruptions are understood and arrangements for prioritised supply to the regions critical customers are in place. The Plan recognises the dependence on fuel by these customers to provide important community services.</p> <p>Whilst the Fuel Plan identified the gaps in terms of the ability for agencies to source fuel during times of disruption due to electricity outages it did not provide 'solutions' to those issues identified.</p> <p>The challenge now is to further build on the knowledge and information gained through the Fuel Study and to develop a Generator Plan.</p>		
<b>Alignment with identified goals and objectives identified in the CDEM sector [200 words maximum description.]</b>		
<p>The National Civil Defence Emergency Management Strategy sets out the overall direction for CDEM in New Zealand, this project aligns with the following goals and objectives:</p>		

Goal 1 & Objectives 1A & 1B, Goal 2 & Objectives 2A, 2B, & 2C, Goal 3 & Objectives 3B, 3C, 3D, & 3E, Goal 4 & Objective 4B.

The project is also consistent with, and aligned to the Vision & Strategic Goals of the CDEM Group:

Vision – *A Resilient Regional Community*

Strategic Goal 1: *Where possible reducing the risks from hazards to acceptable levels.*

Strategic Goal 2: *Our communities are aware of their hazardscape, are prepared and empowered to respond to and recover from an emergency.*

Strategic Goal 3: *Agencies are aligned, prepared and able to provide an effective response to an emergency.*

Strategic Goal 4: *Communities can effectively recover from an emergency.*

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

A Generator Plan will build on the recently adopted Fuel Plan and will ensure that the Group has up to date information as recommended by the National Fuel Plan and the findings of the 2016 Manawatu-Wanganui Lifelines Vulnerabilities Study “*Many past hazard events have demonstrated the interdependencies that occur in the lifelines sector. In a widespread electricity failure, most fuel stations cannot pump fuel, wastewater pump stations start overflowing within hours and, as the duration of the outage lengthens, telecommunications and water supplies are disrupted. This is certainly the case in Manawatu-Whanganui and the interdependency ratings carried out for this project confirmed that electricity, roads and fuel are the services that most other lifelines rely on during business as usual*”

It is considered that these interdependencies will be even greater during times of disruption, particularly from natural hazard events.

### Project design

Project manager	David Rei Miller – Chair Manawatu-Wanganui Lifelines Advisor Group
Other project members	<ul style="list-style-type: none"> <li>• Ian Lowe – Manager Emergency Management Office;</li> <li>• Lifelines Advisory Group members,</li> <li>• Regional Emergency Management Officers</li> </ul>
External providers/contractors	To be confirmed

### Deliverables

Milestones	Date for completion	Cost
Engage a Contractor to develop and complete the Plan	31 July 2019	\$20,000
Engage with key stakeholders via lifelines & regional emergency management officer forums	31 December 2019	
Present to Lifelines Advisory Group	31 March 2020	
Present to Coordinating Executive Group	30 April 2020	
Final report completed and delivered	30 June 2020	

### Identified risks

Risks	Suggested management
<ul style="list-style-type: none"> <li>• Potential cost overruns</li> <li>• Time to complete Plan</li> <li>• An appropriate contractor can't be found</li> </ul>	<ul style="list-style-type: none"> <li>• Funding shortfall accommodated within Group budgets or sought from Lifelines members</li> <li>• This should be mitigated by sound project planning</li> </ul>

	<ul style="list-style-type: none"> <li>The Project Manager will work closely with the Programme Manager National Lifelines Council to source an appropriate resource</li> </ul>
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**Funding request and use**

CDEM resilience fund contribution	\$20,000 including disbursements (travel etc)
Local authority/organisation contribution	\$5,000 – GIS/Admin support
Other sources of funding or support	
Budget <i>[Please supply spreadsheet]</i>	\$25,000
Applies if application exceeds \$100,000 over the life of the project	Do you wish to attend a hearing in support of this application? <div style="float: right;"> <input type="checkbox"/> No  <input checked="" type="checkbox"/> Yes - by phone.         </div>

**Application confirmation**

Approval of Chief Executive	<i>[Signature]</i> for CE
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**CDEM Group comment**

Comment *This project will add real value to the LAG & its wider work program. It has recently funded & is implementing a regional Fuel Plan. This project is closely linked but has a wider application for improving resilience.*

*[Signature]*  
 Chair CEG  
 Manawatu/Whanganui Region  
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