
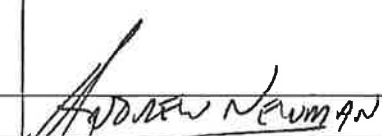




### CDEM Resilience Fund project application form

79636608

Application for CDEM Resilience Collaborative fund approval	
Project title	Wairoa Civil Defence Radio Telephone System.
Date of application	24-2-2012
Details on application	
Lead local authority	Wairoa District Council
CDEM Group	Hawke's Bay
Other local authorities or Groups supporting the proposal	
Project description	
<p>Executive summary <i>[200 words maximum description.]</i></p> <p>Currently within the Wairoa District there is no formal Civil Defence communications system as an alternative to normal day to day communications.</p> <p>This gap in communication ability has been identified as a high priority in terms of being able to maintain an information flow with our community's during a Civil Defence response and increase the resilience of the District's more remote settlements.</p> <p>It is intended that the installation and training for radio communications will provide a catalyst for communities to discuss and provide for increased readiness. This will be supported by WDC</p>	
<p>Problem/opportunity <i>[200 words maximum description.]</i></p> <p>The WDC contains a number of isolated small communities. These communities are generally economically disadvantaged. The District environment is physically challenging with limited road and communications networks which are subject to large slips and other weather related impacts. Outside of Wairoa cell phone coverage is very patchy.</p> <p>In the advent that we loose normal means of communication within the Wairoa District during a Civil Defence event we have no alternative communication available. Therefore the ability of CDEM to obtain intelligence and respond to safety and welfare issues in remote communities during a major event is very limited and a substantial risk.</p>	
<p>Alignment with identified goals and objectives <i>[200 words maximum description.]</i></p> <p>Project aligns directly with WDCs long term vision of a resilient community by providing for effective communications during an event and providing a focal point for the community to increase its readiness for an emergency.</p> <p>For the above reasons the project also aligns with the Hawke's Bay CDEM Group goals of:</p> <ul style="list-style-type: none"> <li>• Local Communities working together to reduce the risk of hazards</li> <li>• People and communities providing for their own safety and well-being</li> <li>• To provide for effective response and recovery operations.</li> </ul>	

Dissemination of benefits to sector <i>[200 words maximum description]</i>		
The project will increase the resilience of some of the more isolated and at risk communities in New Zealand during a major event.		
<b>Project design</b>		
Project manager	Tim Allan (EMO)	
Other project members	Group representative	
External providers/contractors	Colvins LTD	
<b>Deliverables</b>		
Milestone	Date for completion	Cost
Install base set radio telephone units in each of the ten Civil Defence sectors throughout the Wairoa District.	No later than June 2014	\$58486.40 excluding GST  Cost breakdown attached as an appendix
<b>Identified risks</b>		
Risk	Suggested management	
Low risk project	Engage reputable contractor utilising quality systems and hardware.	
<b>Funding request and use</b>		
CDEM resilience fund contribution	\$58486.40 excluding GST	
Local authority contribution	On going maintenance and training of volunteers	
Other sources of funding	Hawke's Bay Group supplies regional radio network plus one base radio unit and specialist advice.	
Expenditure <i>[Please supply details]</i>	\$58486.40 excluding GST	
<b>Application confirmation</b>		
Approval of Chief Executive		
<b>CDEM Group comment</b>		
Comment		
Approval of Coordinating Executive Group Chair		



**19 Hirini Street, Box 179, Gisborne. Ph: 06-8687225, Fax: 06-868 7226, E-Mail: woody@colvin.co.nz**

24 February 2012

Tim Alan  
 Wairoa District Council  
 Queens Street  
 Wairoa.

Tim,

In reply to your enquiry regarding the supply of Digital conventional radio repeaters and mobiles; I have compiled the following information.

Digital conventional radio systems in New Zealand are relatively new, however most of the manufacturers have chosen to proceed with their own format. We have chosen to base our Digital networks on the Hytera brand which is also the same format that Tait Communications will use in their NEW Digital products. The Hytera also has the capability of operating in both the existing Analogue and NEW Digital modes. To make the best use of these features you would need to install Digital repeaters at either one or both of your existing sites.

**Digital conventional radio repeater (per repeater):**

Digital repeaters coupled with the applicable mobile and portable products can provide features such as data over radio and GPS tracking. Colvins Limited can supply, setup and install a Hytera Digital conventional repeater tailored to suit your requirements.

Hytera RD-982DMR VHF Repeater .....	\$6550.00
Antenna, duplexer and associated installation hardware .....	\$6400.00
Repeater and antenna on-site installation (Labour and vehicle charges) .....	\$1785.00
<b>Total: .....</b>	<b>\$14735.00</b>

**Base radio:**

As discussed you intend to install radios into the outlying areas along with a back-up battery. We recommend the Hytera MD-782 mobile radio (Analogue and Digital capable), paired with a power supply (which will also double as the battery charger); connected to a deep-cycle wet-cell battery. From experience wet-cell batteries can outlast the comparable sealed battery, but most importantly they can be recovered if and when flat; however we do recommend an on-going maintenance program to maximize battery life and performance. Our battery box will incorporate a volt meter which will assist the user to assess the batteries voltage and performance.

**Purchase price (per setup):**

Hytera MD-782 VHF Digital mobile radio(Includes radio programming) .....	\$1489.25
12 volt, 105 Ah deep-cycle back-up wet cell batteries with Volt meter .....	\$451.30
12 volt power supply / battery charger .....	\$356.58
Setup of antenna's, radios, power supplies and batteries.....	\$250.51
Miscellaneous cable and items .....	\$22.50
<b>Total: .....</b>	<b>\$2466.64</b>

**Base radio installation:**

It is difficult to provide an installation quote for each house or site unseen, but would estimate that a basic house install conducted by our staff would take approximately 2 to 3 hours to complete, along with the applicable travel and vehicle cost's.

**Installation fee per site unseen:**

Labour and vehicle charge (Wairoa to Gisborne return)..... \$435.00

***All prices exclude GST and are valid for 30 days.***

Thank you for giving Colvins Ltd the opportunity to offer these prices and please call me should you require any further information.

Yours sincerely,



Woody Houla  
Colvins Limited.