

Mid-year report template for Community Projects and Internet Research - to be sent to gertrud@internetcn.net.nz on the date specified in your contract

Grant reference number:	# PRS2201600008
Name of recipient and contact details	<i>Matt Hampton - 020-41222-110 - office@cwt.org.nz</i>
Name of organisation (if applicable)	<i>Community Wireless Trust</i>
Title of project/research	Waimate Area Digital Development Project
Amount of funding received	\$15,000.00 + gst
<i>Budget details</i>	<p>Current</p> <p>5 GHz Rocket ac PRISM with GPS Sync @ \$385.00 each x 10 = \$770.00</p> <p>5G-19-120 5GHz 19dBi Antenna @ \$249.00 each x 10 = \$498.00</p> <p>5GHz Upper Gigabit Wireless Bridge @ \$1450.00 each x 4 = \$2900.00</p> <p>Ubiquiti EdgePoint 6 Port WISP Router @ \$225.00 each x 1 = \$225.00</p> <p>Solar power and Batteries = \$1200.00</p> <p>Estimated cable plus connectors = \$750.</p> <p>Total = \$14,990.</p> <p>GST = \$2248.50</p> <p><u>TOTAL = \$17238.50</u></p> <p>Actual</p> <p>High School to Silos</p> <p>2 x EP-R6 178.35 each = \$356.7</p> <p>1 x EP-R8 \$675 each = \$675</p> <p>1x EP-S16 \$750 each = \$750</p> <p>2 x AF-5U \$1350 each = \$2700</p> <p>4 x PBE-5AC-300-ISO \$190.53 each = \$762.12</p>

2 x TS-8-PRO	\$303.63 each = \$607.26
1 x ES-16-150W	\$491.95 each = \$491.95
1 x EP-54V-150W	\$315 each = \$315
1 x EP-54V-150W-DC	\$108.75 each = \$108.75
5 x LBE-5AC-16-120	\$152.25 each = \$761.25
5 x NBE-5AC-16	\$138.33 each = \$691.65
2 x LBE-5AC-23	\$91.35 each = \$182.7
5 x RP-5AC	\$369.75 each = \$1848.75
2 x ANT117	\$216.63 each = \$433.26
1 x AP-5AC-90-HD	\$604.65 each = \$604.65

Solar Panel 200w plus

Batteries x 4 \$1200.00

Subtotal = \$12489.04

Silos to Te-Kiteroa

2 x ANT206 \$178.35 each = \$356.7

2 x RP-5AC \$369.75 each = \$739.5

1 x ANT117 \$216.63 each = \$216.63

Subtotal = \$1312.83

Cabling

1 x TC-PRO \$239.25 each = \$239.25

1 x TC- CARRIER \$345.15 each = \$345.15

1 x TC-CON-100 \$77.43 each = \$77.43

3 x TC-GND-20PK \$20.88 each = \$62.64

Subtotal = \$724.47

Total = \$14526.34

GST = \$ 2178.95

TOTAL INC GST = \$16705.29

	<p><i>Have you achieved what you expected to achieved and with this spend? (If “No”, please provide more details)</i></p> <p><i>Definitely, if not more than we had expected</i></p> <p><i>Please account for any areas of overspend or underspend.</i></p> <p><i>Above costs savings were achieved by securing wholesale pricing from Go Wireless, based in Rangiora.</i></p>
<p>Timeline update</p>	<p><i>How far along your timeline are you? Are there any significant changes to your timeline?</i></p> <p><i>Looking over our original submission, I would say we are well and truly ahead, almost to the point of completion, which is amazing. However I would like to stress that none of this project could have been completed without the contributions from the Community and Business sector. Transport Waimate for access to the Silos and power (complementary supply), Waimate High School for the additional fibre connections (currently now sitting @ 2 @ 200Mb - Cost \$168.00 per month unlimited from 2Degrees Broadband. Go Wireless, Rangiora for wholesale pricing.</i></p> <p><i>Lastly and probably just as importantly the contributions of our volunteers with their time and experience, Mike Dooley, Mark Williams, Bruce Milne, Matt Hampton, Sally McGill & Janette Packman.</i></p>
<p>Achievements to date</p>	<p><i>Please outline your positive outcomes</i></p> <p><i>Currently 9 teacher connections, @ \$40 per month subscriptions going back to Waimate High School as a donation. 21 local subscribers paying \$60 per month going into Trust account, along with a wait list of 15 new subscribers.</i></p> <p><i>The recent addition of the link from the Silos to Te Kiteroa, has allowed us coverage out to Makikihi and Waituna Downs. However whilst this connection allows subscribers in those areas to connect at full speed, we will still be adding direct fibre connections through the both schools to add reliability to the Local Area Network.</i></p> <p><i>The Ministry of Education requested access to the</i></p>

	<p><i>network to transfer the Waimate High School to the Cloud as part of their overall Community of Learning Strategy.</i></p> <p><i>We have supplied a free connection to the South Canterbury A & P Association Showgrounds, providing full coverage of the area. This connection coupled with area wide mesh, has allowed the Showgrounds to monitor their connections (276 over 24hrs - March Hare Motorcycle Rally) during their events, securing information such as user demographics, age, sex, device, browser, data usage and so forth. It also allows for the Showgrounds to utilise ad space to promote their sponsors, although this is still in the planning stage.</i></p> <p><i>Free wifi is also now available through Waimate Town Centre, providing guest access to visitors, and subscriber access. The visitor access is coupled to the same software as the Showgrounds, so will provide ad space for local businesses. Aim for completion of the visitor access will be a dedicated website designed to market and promote everything to do with the Waimate District.</i></p> <p><i>CWT was requested by Crown Fibre Holdings to supply a tender for the RBI2. This was completed and supplied on time with an estimated 139,000 households securing access to fibre through schools at a potential investment of \$31.5 million over 5 years. The Trustees are currently awaiting the results of the tender process. In the meanwhile we have had Expressions of Interest from Fairlie, South Canterbury, Waihi, Hauraki and Kaukapakapa, Auckland to replicate the Waimate project.</i></p>
Difficulties to date	<i>Difficulty accessing high points such as towers/masts owned or operated by the major telcos.</i>
Findings/learnings to date	<p><i>What are you learning? What findings have you made so far?</i></p> <p><i>That whilst \$15,000 plus gst was a fantastic contribution to receive, the \$\$\$ were never going to be enough to create a truly self sustainable network.</i></p> <p><i>This is not a criticism, more that with limited access to masts/high points as mentioned above, we have achieved what we could with minimal amount.</i></p> <p><i>From a network sustainability point of view, personally</i></p>

	<p><i>I feel that a ballpark investment per community could well be between \$60,000 to \$120,000 depending on topography of community, and creativity of installers.</i></p>
<p>Do you anticipate there being anything media-worthy in your project/research*</p>	<p><i>Any outstanding discoveries, good-news stories or unique work (in your opinion?) *Please note we may use this information in a media release.</i></p> <p><i>Already supplied and will continue to supply as this project progresses!</i></p>