



EXPRESSION OF INTEREST FORM - Waste Minimisation Fund 2021

Prior to completing this form, please read the Waste Minimisation Fund [Gazetted Criteria](#)

as it contains important information on eligibility requirements. The fund will not cover the entire cost of the project. Applicants will need part funding from other sources.

SECTION A: APPLICANT DETAILS

Name of applicant entity:	Porirua City Council
Legal entity status: Ahu Whenua Trust Charitable Trust Co-operative company Crown Entity Family Trust Incorporated society Limited Partnership LGNZ Other Limited liability company Sole Trader Unlimited company	Territorial Authority
Physical Address:	Po Box 50218, Porirua, 5240, New Zealand
Postal address:	Po Box 50218, Porirua, 5240, New Zealand
NZBN (or Trust, Charity, Inc. Society registration #):	9429041913024
GST: (Enter N/A if not applicable)	Yes
Primary contact	
Name of contact person:	Ken Bailey
Job title:	No details
Phone number:	
Email address:	ken.bailey@porirua.govt.nz

SECTION B: PROJECT DETAILS

Project title: (Max. 150 characters)	Construction and Demolition Programme - Porirua, Kapiti and Hutt Cities
Project Description: (Max. 1000 characters) This should be a short and succinct description of your project.	<p>We are proposing to develop Resource Recovery Parks with a specialist Construction and Demolition (C&D) waste diversion facility that services Porirua and scaled up to support Hutt and Kapiti.</p> <p>We have immediate growth pressures in Porirua, Hutt and Kapiti that are creating pressure on the landfill.</p> <p>Stage 1 of this project was problem definition and a regional analysis funded partly through the WMF. It highlighted the growing need for a dedicated C&D waste facility in the lower North Island. C&D operations would be developed in stages to manage the balance between market availability and C&D activity.</p> <p>Funding will allow us to build a C&D facility, processing capability, markets and develop a network of relationships, in turn enabling services to a greater number of other developers, manufacturers and residential customers. Expansion of the operation in Porirua is expected to complement facilities being developed in our neighbouring, partnering councils.</p>

What is the total cost of the project?	\$	\$14,672,178.00		
Funding for the project: <i>(confirm \$ and %)</i>	WMF funds requested \$	4845878.00000	%	33.00
	Co-investor cash	9,826,300.00	%	67.00
How many years are you seeking funding for?	3 Years			
Are you a Territorial or Unitary Authority?	Yes			
Funding Request Explanation <i>Please explain why this project requires WMF funding to be successful</i> <i>If you are a Territorial or Unitary Authority please explain why this project:</i> <ul style="list-style-type: none"> • Is not funded out of your council's baseline funding • Does not fall under your council's core responsibilities • Is not funded out of levy money received under section 31 of the Waste Minimisation Act 2008 	<p>Prior to COVID 19 Porirua City Council was already facing significant challenges to fund the infrastructure required for a growing city. Large capital investments in wastewater and storm water networks are in progress.</p> <p>Substantial construction is already underway and additional to this is the redevelopment of approximately 4000 Kainga Ora houses. We expect construction to accelerate with the NPS for Urban Development now being in place.</p> <p>Levy money is committed to prescribed activities in our WMMP: community reduction and recycling programmes, organics development business case and business education. Given the levy available to Council and the capital required for the C&D project, levy funding is insufficient even without halting all our waste minimisation programmes currently undertaken.</p> <p>Council is planning to consent a further landfill cell to keep pace with the growing city needs. We urgently require construction and demolition waste facility as a diversion from landfill.</p>			
What is the problem that your project will address? <i>(Max. 1000 characters)</i>	<p>Currently approximately 50% of waste to our landfill is C&D. For Porirua, there are 13,000 residential units proposed for construction by the private sector and Kainga Ora's large-scale 20 year regeneration of Eastern Porirua . Ngati Toa has 900 homes to redevelop. Similar construction waste from residential, Ministry of Education and DHB construction across Kapiti and Hutt is underway. 32,000 tonnes of construction and demolition waste will be generated.</p> <p>The reports to informing the business case for investment in C&D diversion infrastructure, have explored what materials were available from C&D and what markets were available For three types of operation (small, medium and large) appropriate business models were investigated including whether labour was available and the financial feasibility of each. For the Wellington region, site locations were examined, and resource recovery park designs considered.</p> <p>This project will address the risks identified in the reports regarding availability of markets that can accept C+D products. It will also provide more options for the construction, development, deconstruction, and demolition industry in the lower North Island where there are currently limited and disconnected options available for C+D waste diversion.</p>			

<p>What is your proposed solution? (Max. 1000 characters)</p>	<p>PCC, KCDC, HCC and UHCC are working together on regional solutions for the waste problems we have. Porirua has been identified as a site for the commercially focused Construction and Demolition hub, located at Spicer Landfill. A Resource Recovery Hub, including a specialised residential and commercial C&D drop off is proposed. Kapiti and Hutt partners will provide similar smaller RRP with C&D consolidation hubs as part of this programme.</p> <p>This project is to establish a Porirua C&D facility and KCDC hub in conjunction with Kainga Ora, designed to be scalable, allowing additional capacity, both on site and off site at the neighbouring council facilities, as markets for processed product are further strengthened and developed. The C&D facility in Porirua will require moving the transfer station and developing a RRP. The project and funding would be in stages - concept plans, detailed design, consenting, building and operation. Partners will collaborate on sourcing feedstock, processing and marketing. Kainga Ora & KCDC are funding partners.</p>
<p>Project Objectives (SMART)</p>	<p>List your project objectives (include 2 to 3 SMART objectives). Note: SMART means Specific, Measurable, Achievable, and Realistic within the Timeframe of the WMF project).</p>
<p>Objective #</p>	<p>Objective</p>
<p>1</p>	<p>Facility to process 2000 tonnes C&D by October 2022 from KO site clearance and construction, expand to 6,000 tonnes p/a by 2025 from a variety of customers. Develop supporting consolidation sites.</p>
<p>2</p>	<p>Establish markets, handling and processing requirements by December 2022. Establish and remove barriers to re-use or repurposing of material, increase market certainty and achieve min 25-35% diversion</p>
<p>3</p>	<p>Run a pilot operation in partnership PCC, KO Ngati Toa, KCDC, HCC, UHCC and the private sector from October 2022 to October 2025. Develop processing, bed in markets, expand to broader customer base.</p>
<p>Which Waste Stream(s) are impacted by your successful project? (Select up to 3) Agrichemicals (including containers) Asbestos Bio-solids Cleanfill Commercial green waste Construction materials (eg PVC, insulation, metal works, glass) Contaminated soil Demolition materials - inert E-waste Furniture Household organic (food waste and green waste) Litter Manufacturing and services sector hazardous waste Medical waste (excluding veterinary waste) Oil Paint Packaging - household and commercial (for example, plastics, glass, cans, polystyrene) Paper and cardboard PCBs (polychlorinated biphenyls) Plasterboard Primary sector related hazardous waste Primary sector related organic waste Refrigerants Textiles Timber (treated and non-treated - not readily able to separate) Tyres Other</p>	<p>Construction materials Demolition materials</p>
<p>Region(s) impacted (Select up to 3) Auckland Bay of Plenty Canterbury Chatham Islands Gisborne Hawkes Bay Manawatu-Wanganui Marlborough National Nelson Northland Otago Southland Taranaki Tasman Waikato Wellington West Coast</p>	<p>Wellington - Te Whanga-nui-a-Tara</p>
<p>Region - project location(s) (Select up to 3) Auckland Bay of Plenty Canterbury Chatham Islands Gisborne Hawkes Bay Manawatu-Wanganui Marlborough National Nelson Northland Otago Southland Taranaki Tasman Waikato Wellington West Coast</p>	<p>Wellington - Te Whanga-nui-a-Tara</p>

<p>Project Type (Select 1 from list) Community project Data collection and analysis Education and awareness Feasibility or Investigative Infrastructure Innovation Research and development Services Other</p>	<p>Infrastructure project Data gathering</p>
<p>STRATEGIC VALUE: (Max. 1000 characters)</p> <p>Preference will be given to projects that help achieve the strategic outcomes identified by the Ministry for the Environment</p> <p>Briefly summarise your project's alignment with the strategic outcomes for this funding round (provide link to strategic outcomes)</p> <ol style="list-style-type: none"> 1. Reduce construction and demolition waste 2. Achieve beneficial outcomes for organic waste <p>https://environment.govt.nz/wh-at-you-can-do/funding/waste-minimisation-fund/</p>	<p>The project is specifically focused on reducing construction and demolition waste. By partnering with Kianga Ora initially, the partners can work in collaboration with the private sector (including those contracted to Kainga Ora through the Alliance) to expand the viability of existing markets and establish new ones. With the ability to refine, expand and adapt over time through the partnership with Kapiti Coast District Council and Hutt City Council the balance between supply and demand can be managed. This partnership has potential strategic value reaching beyond construction and demolition waste into outcomes for organic waste. In the future, the partnering councils may leverage off the established network of sites and focus on the relative merits of each. For example, the Kapiti site may become a consolidation point for local C+D material which is taken for bulk processing to Porirua; conversely receiving organics material for processing from consolidation points at Porirua and Hutt. C&D facilities and redeveloped Resource Recovery Hubs at each Council site will reinforce waste minimisation requirements in the community.</p>
<p>Ability to Deliver. (Max. 1000 characters)</p> <ul style="list-style-type: none"> • Briefly summarise your organisation's history and experience in waste or waste minimisation sectors • Outline the resources, relevant experience and skills your organisation will bring to this project to ensure it is successful 	<p>PCC, KCDC, HCC and UHCC waste management and minimisation teams have extensive experience in delivering major project infrastructure and services. All three of the waste managers at the Councils have an in-depth understanding of the waste sector from a council and commercial perspective. All staff have successfully managed major projects for the private sector, central and local government.</p> <p>All Councils have experienced regulatory, contract and infrastructure management teams able to plan, lead and deliver major projects to draw on.</p> <p>Our major partner, Kainga Ora, has a local team with substantial commercial experience in delivering major projects for central government. Kainga Ora has contracted delivery partners who are appointed due to their skills and ability in the construction sector and will have good input as required to this project. Staff from the Kainga Ora Demolition & Deconstruction, Construction and Innovation team are undertaking supporting work to address product processing and sales which will underpin future commercial viability of this project.</p>

Budget Estimate summary (exclusive of GST)

- Please provide an indicative project budget by key expense type in the table below
- These figures should represent the full cost of the project, not just the amount of funding you are requesting.
- If your proposal is invited to move to the application stage, a more detailed budget will be required.

Expense head	Description (ie. Personnel roles, types of capital assets, reason for travel etc..)	Total project costs (ex GST)
Personnel	Staff costs at the C& D facility and council/Kaingra Ora staff costs	2,560,540.00
Administration	Staff administration costs - project	135,000.00
Consultants and sub-contractors	Design, Consenting, Construction supervision	523,962.00
Purchase of capital assests and other capital costs	Capital for C+D machinery and site development at PCC and KCDC, PCC RRP development, weighbridges and KCDC RRP	4,929,875.00
Venue and equipment	Site operating costs - machinery leasing, maintenance and utility costs	1,346,725.00
Promotion and dissemination of information	Promotion for C+D facility services and product marketing	140,000.00
Financial, legal and information technology expenses	Legal services for contracts and interest on capital	308,076.00
Health and safety costs	Health and safety for staff - Council H+S teams manage H+S	3,000.00
Other miscellaneous costs	Kaingra Ora financial contribution	4,725,000.00

Project Outcomes:

Outcome	Baseline	Forecasted target	Year 1 measure	Year 2 measure	Year 3 measure
Waste min has a relatable link to kaitiakianga - focus on conscious, proactive resource management.	Good engagement with Whitireia Polytechnic and the Porirua Development Skills Hub, Ngati Toa	Opportunities for employment and development in C&D waste management enhanced	Training programmes established at Development Skills Hub	Staff trained and ready for work	Broader construction sector trainees aware of C&D practice
Data providing confidence in the quantity and composition of material from C&D development.	SWAP analysis	Data suitable for developing markets available	Data systems developed and in place	Knowledge of handling and processing requirements recorded	Data available to define and categorise C&D material that can be diverted through a viable market.
Enhanced local employment and awareness	Substantial lack of knowledge in construction and demolition sector	60% of Informed industry participants	The C&D waste minimisation activity promoted through Porirua Development Skills Hub	Comprehensive educational programme for the construction sector will be put in place focussing on ensuring materials for recovery are available and quality is not compromised	Education programme will be supported by an overall waste minimisation programme directed at reducing waste.
C&D processing capacity increased and sales programme developed	5-10 tonnes of materials currently handled	6000 tonnes processed and sold annually once project is established	200 tonnes processed	1800 tonnes processed	4000-6000 tonnes processed
C&D processing facilities in the Wellington region with the ability to expand in capacity.	Small sales of second hand C&D materials currently from second hand shops	Medium sized processing facility and consolidation hubs in place.	Three sites under development	Sites operational and markets developing	Capacity and sales increased

Increase in employment opportunities across the C&D sector as a result of services being offered

Limited local employment for C&D operations

5-10 directly employed as a result of this project

3 FTE on C&D handling and processing (not including site development)

5 FTE on C&D handling and processing

5-10 on C&D handling and processing with increase in employment in downstream services and sales