

Auckland Market Opportunity – circular economy, repurposing construction and demolition waste

Name	Repurposing construction and demolition waste
Sector	Green economy, infrastructure and construction
Sub-sector	Circular economy
Project size	Potentially up to 700,000 tonnes of construction and demolition waste to be repurposed in Auckland
Looking for	Innovative and leading edge solution providers are required to repurpose or reuse Auckland's 700,000 tonnes of C&D waste. Specialist circularity and niche operators in the various waste streams should have the required volumes and markets to establish viable operations in Auckland.
Web-links	<ul style="list-style-type: none">• https://www.mfe.govt.nz/consultations/landfill-levy• https://www.aucklandcouncil.govt.nz/plans-projects-policies-reports-bylaws/our-plans-strategies/topic-based-plans-strategies/environmental-plans-strategies/docswastemanagementplan/auckland-waste-anagement-minimisation-plan.pdf• https://www.environmentalchoice.org.nz/assets/Specifications/EC-59-19-C-D-Waste-Services.pdf



New innovative solutions required to repurpose and reuse Auckland's growing construction and demolition waste.

Summary

Auckland is in the midst of an infrastructure and construction boom. As part of the New Zealand Government's post COVID 19 economic recovery programme, unprecedented infrastructure and residential housing programmes will be implemented additional to private sector programmes, leading to further increases in construction and demolition waste. Newly increased dumping levies, will facilitate the financial viability of innovative solutions to these waste streams.



Background

The Auckland region is in the middle of a major building and infrastructure construction boom. This boom has generated a lot of waste that usually ends up being sent to landfill. The construction industry in New Zealand still relies on recovery and residual disposal as waste management techniques, rather than reduction, reuse or recycling (Auckland Council, 2018).

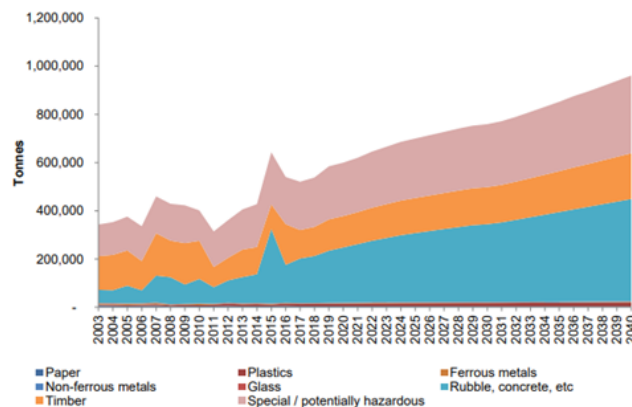
“Tackling construction and demolition waste is a massive challenge for Tāmaki Makaurau and our nation,” says Councillor Richard Hills, Chair of

Auckland Council’s Environment and Climate Change Committee. “Around 50 per cent of the waste currently going to landfill from across Auckland comes from construction and demolition materials.”

Auckland Council estimates Auckland will produce approximately 700,000 tonnes of C&D waste in 2020. C&D waste is projected to grow at around 3 percent per annum. Currently, Auckland is tracking around two years ahead of projections in terms of C&D waste generation.

Auckland Council has a vision of “Zero waste by 2040” and to achieve this, the council has set a long-term target in its Waste Management and Minimisation Plan (WMMP) of reducing total waste to landfill by 30 per cent by 2027. As Auckland’s single largest waste stream, with high tonnages

going to landfill and high diversion potential, C&D waste has been identified by the council as a priority waste stream to achieve the WMMP’s target. The council is seeking ways to encourage the development of innovative solutions for reducing C&D waste as commercial waste (rubble, concrete, timber, plasterboard, insulation materials etc.)



Source: Waste volume trend, Waste Solutions, Auckland Council



In November 2019 the Government produced a consultation document 'Reducing waste: a more effective landfill levy'. The document points out that while in other countries there is growing recovery and recycling of materials, in New Zealand, waste sent to landfills has been steadily increasing. It also says that significant quantities of waste from C&D are not subject to a levy at the moment.

There is a proposal for a levy of \$20 per tonne for C&D fills and for an increase of the existing levy at municipal landfills to \$50 or \$60 per tonne. This in effect, will make circularity options for construction and demolition waste more financially appealing.

Looking for

Innovative and leading edge solution providers are required to repurpose or reuse Auckland’s 700,000 tonnes of C&D waste. Specialist circularity and niche operators in the various waste streams should have the required volumes and markets to establish viable operations in Auckland.

For more information please contact

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