

Concurrent 2: Housing and Climate: retrofit and circular economy perspectives



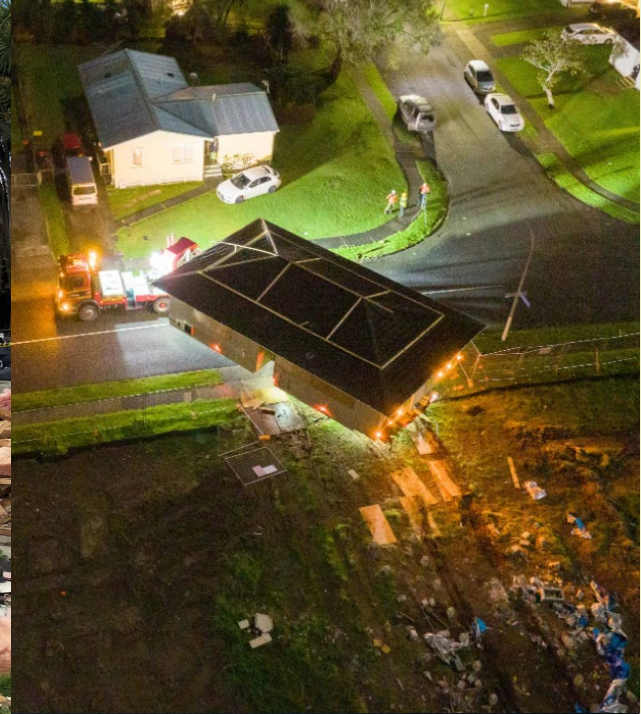
Kāinga Ora Waste Minimisation & Site Clearance Programme



National Housing Conference 2023 - A
way forward



Kāinga Ora
Homes and Communities



Kāinga Ora is focused on delivering quality urban developments that connect homes with jobs, transport, open spaces and the facilities that communities need.



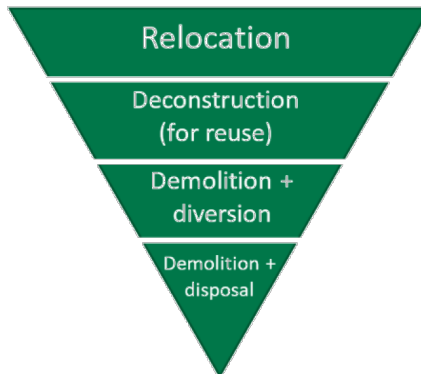
Waste Minimisation & Site Clearance Programme Targets

Kāinga Ora is working to help build a more sustainable future by prioritising relocation and deconstruction over demolition practices.

Fig. 1 Waste minimisation hierarchy



Fig. 2 Kāinga Ora Site Clearance hierarchy



- *New Site Clearance Panel established*
- *National relocation, deconstruction and demolition contractors*
- *First of its kind in New Zealand*



80%*
landfill
diversion
target
Auckland



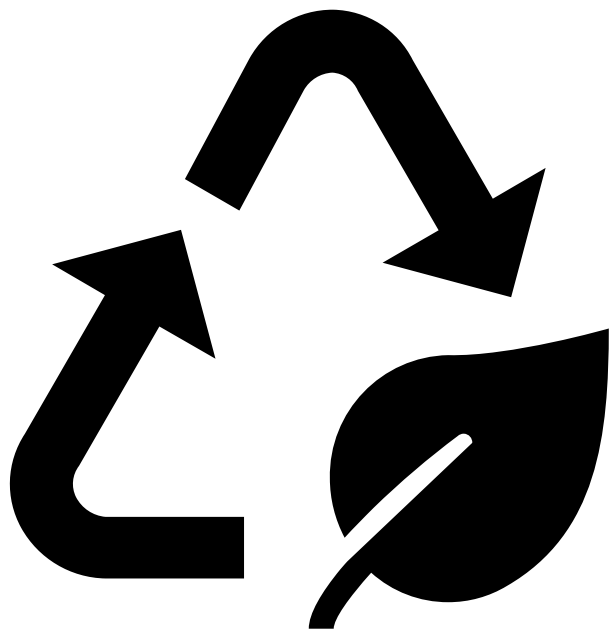
60%*
landfill
diversion
target other
regions



7%
house
relocation
target
(national)

*Uncontaminated waste target

Waste Minimisation Programme 2023 Achievements



Waste Team with Saia from our deconstruction partner TROW GROUP

What the Relocation Programme Achieved



Relocated **100** houses to whānau



16% of houses relocated from



development sites against a **7%** target

What the Site Clearance Programme has achieved

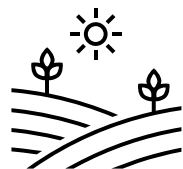
In collaboration with our panel members we achieved...

86%  landfill diversion

percentage in Auckland

Over **30,000** tonnes

diverted from landfill nationally



75%  landfill diversion

percentage in all other regions

Case Study – Making Home Ownership Dreams Come True

Kodie, new home-owner



- “When I found out about the opportunity, I jumped at the chance”
- “It’s our forever home. When my partner and I are gone, my kids will always have somewhere to come home to”
- “It’s more than I could have ever asked for”

Case Study – Deconstruction

Building opportunity through waste

- Deconstructed material gets a second lease of life through re use.
- Ensuring there is a market for reused materials can be challenging, but our deconstruction contractor TROW Group has come up with an innovative solution.
- Materials from Kāinga Ora homes, and other projects, are shipped to Tonga to be repurposed, donated and assist with skills training



Tongan carpentry students make quality furniture using timber from old Kāinga Ora houses.

Case Study – Partnership Initiatives

Greenway Salvage Day 2022

- Kāinga Ora’s deconstruction partner, Greenway held a community salvage day – 150 people attended
- A wide assortment of salvaged materials were on offer, including ovens, heat pumps, curtains, insulation, tap wear and stainless steel benches
- Given away was:
400-600 sqm of insulation
Enough curtains to furnish 2 averaged sized houses
15 kitchenettes and about 18 ovens and heaters
- Greenway and Kāinga Ora will be involved in more community events like this in the future



Grant Hawthorne, Waste Minimisation & Site Clearance Project Manager assisting with the salvage day

Programme Achievements

- Relocation Programme – Finalist Public Service Commission Spirit of Service Awards – Broader Outcomes 2022
- New Zealand Procurement Excellence Awards – both Social/Environmental Impact of the Year Winner and Winner, the Supreme Category 2022
- Winner, Eco Matters Zero Waste Awards – Growing the Movement Category (Rachel Trinder, Manager Waste Minimisation & Site Clearance)



Panel Discussion

