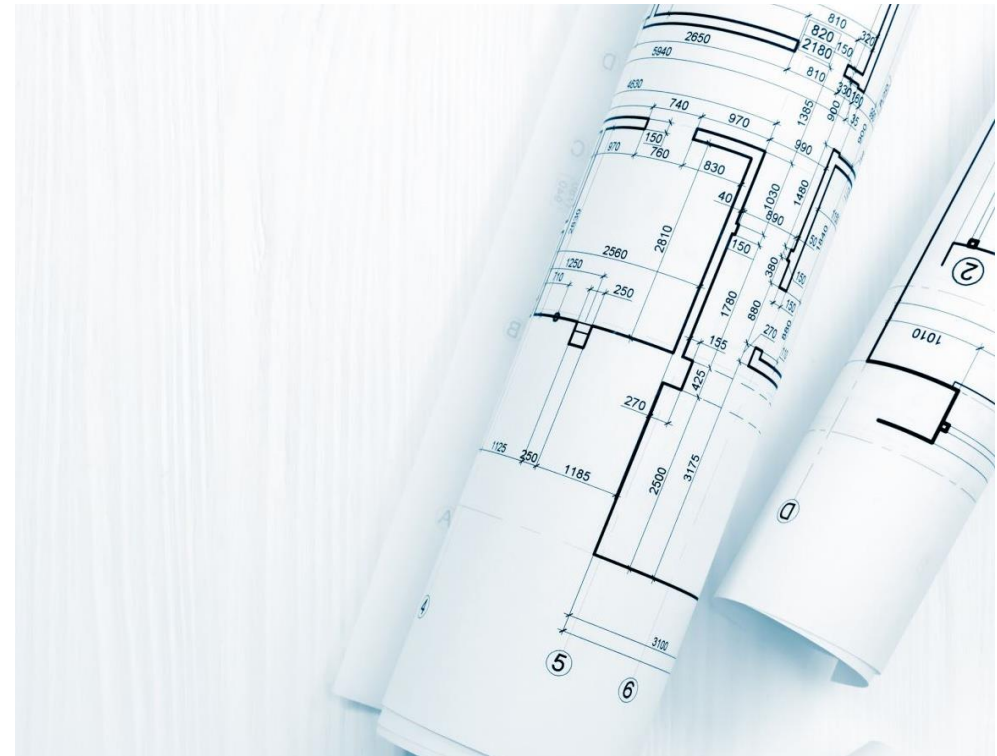
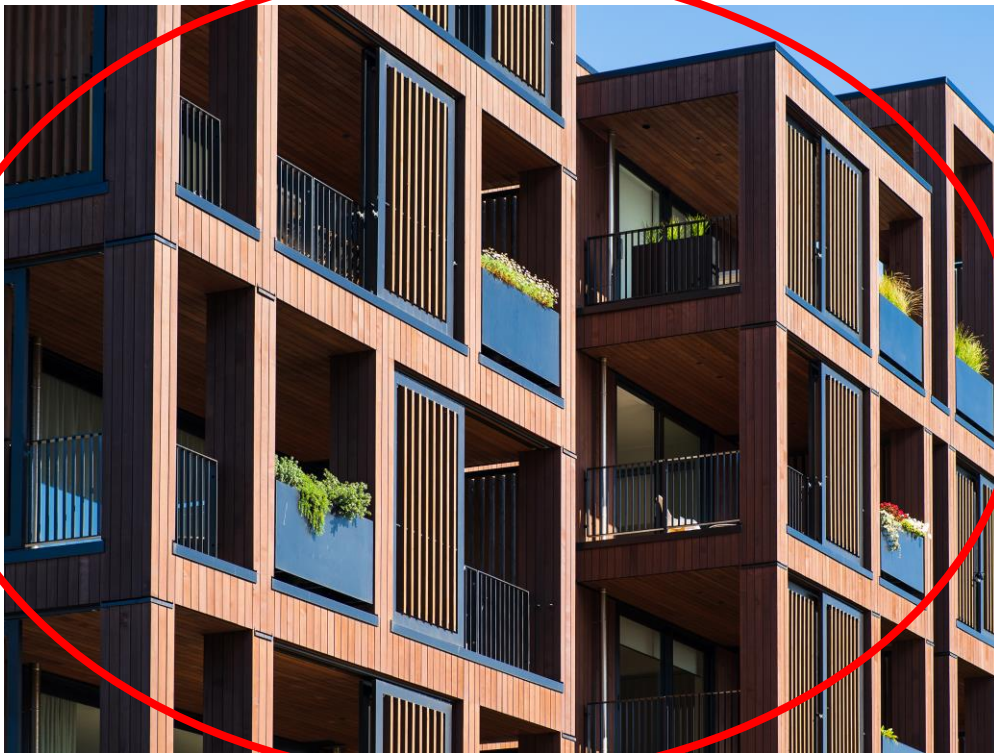


Equity of service in high density residential spaces

Sophien Brockbank



Past - present - future



- Multi-unit development:** A multiple tenancy property comprising of 10 or more separately occupied residential units, whether in the same building or in separate buildings, and held either in common ownership or in separate ownership. This includes a unit title development, a mixed-use premises with business activities, and any development with controlled or restricted access, such as a gated community.

Wellington City Council Solid Waste Management and Minimisation Bylaw 2020



Images sourced from TradeMe Property



Cable Bay Northland



New Plymouth



Wanaka



Te Awamutu



Whakatane

Nelson



Dunedin



Equitable outcomes

Te Rautaki Para 2023

Guiding principles



Take responsibility for how we make, use, manage and dispose of things



Protect and regenerate the natural environment and its systems



Ensure our systems for using, managing and disposing of materials are financially sustainable



Apply the waste hierarchy preferences to how we manage materials



Deliver equitable and inclusive outcomes



Think across systems, places and generations

Equitable outcomes - waste services

Ngā momo matū mō te
kohanga hangarua paeara
Standard materials for kerbside
collections

Guidance



Who the standard materials gazette notice affects

The standard materials gazette notice applies to all TAs that collect kerbside recycling, food scraps or FOGO receptacles from households and that include such services in their Waste Minimisation and Management Plans (WMMPs). The notice will also apply to private waste companies that collect household kerbside recycling or organic waste on behalf of TAs.

Collections made directly from the kerbside, as well as on-site collections that use standard kerbside collection receptacles (for example, wheeled bins, crates, food scrap bins or caddies, bags or similar) must meet the standard materials requirements. For example, apartment blocks sometimes use a central on-site collection point. Such collections are considered a kerbside service subject to this notice if the apartment block collection is managed by a TA and the receptacles used are the same or similar to others collected directly from the kerbside.

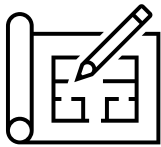
The notice does not apply to transfer stations, community recycling centres, resource recovery centres, other drop-off recycling schemes or extended producer responsibility programmes. Private waste companies and social enterprises that operate collections independently of TAs are not subject to the notice.





What makes
collections from high
density residential
spaces so different?

Multi unit development waste collection challenges



Storage



Bins



Collection



Access



Communal



Diversion

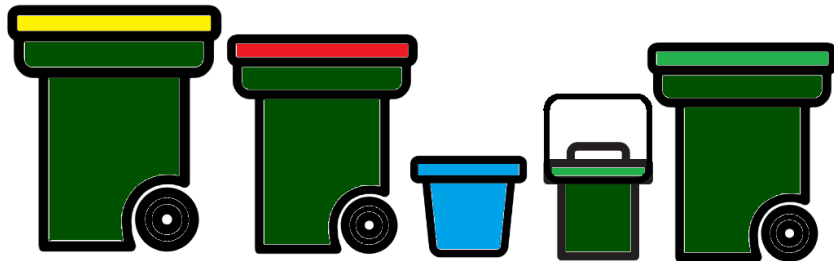
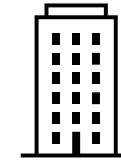
Multi unit development diversion potential



Average recycling rate*
(excluding contamination)



Current approach



Bigger bins



More frequent collections



Different collection vehicles



Limited recycling opportunities

It's not just an
Aotearoa issue....

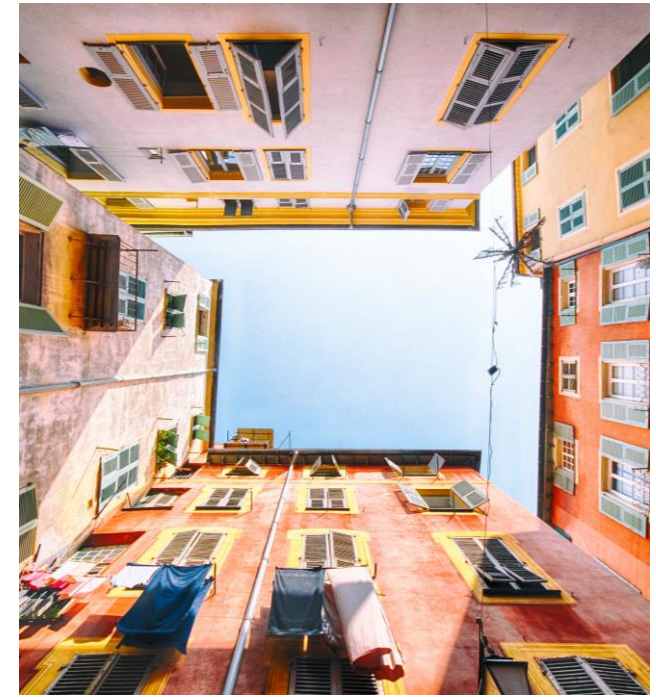




Image sourced from Glasgow Times

Glasgow

Trial – phase one

98 hubs

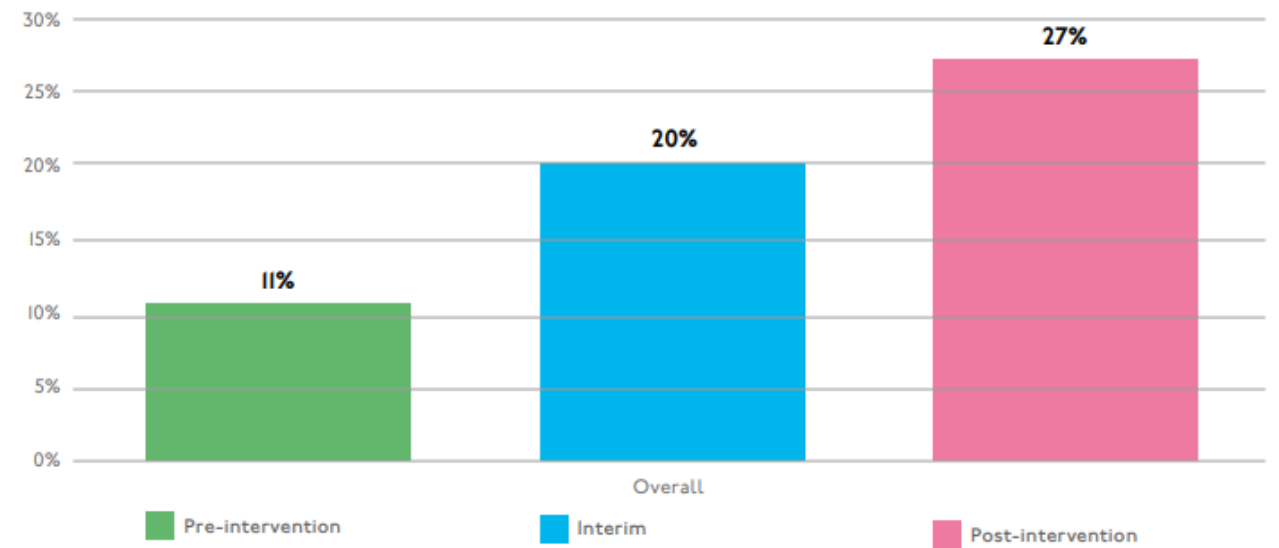
Servicing 2,400 homes

Reduce bin to truck movements & issues

London



Chart 5: Recycling rates excluding contamination pre-, interim and post-intervention (%)



**Put your
food scraps
to good use**

**This building is participating in
a food organics collection pilot**



MORE INFORMATION
To get involved, speak to your
building manager.
Scan the QR code for more information,
FAQs and updates on the service.



Melbourne

2023 Trial

6 x buildings

12 month trial (due to conclude late 2024)

On-site dehydrators

Barcelona



Street Bins

- 5 x waste stream
- Within 100m of residential homes



Pneumatic waste collection drop boxes

- 2 x waste stream
- In buildings and communal areas
- Fixed suction points or direct to waste plant.
- Recycling to street bins



Door to door

- 4 x waste stream
- left in front of residential door for collection
- Collection schedule – different waste streams on alternating days
- No glass collection
- Drop off locations for no collection days.



Mobile platforms

- 5 x waste stream
- Platform of bins
- Moves around the city
- Set times/days per area



Manual collection

- Organic & general waste
- Daily
- Recycling to street bins
- Old town & commercial areas only



Organic



Packaging



Glass



Paper and cardboard



General waste



Image sourced from Stadt Zürich

Zurich

E-Tram & Cargo-Tram

Monday – Sunday, 12 months a year

11 pick up sites serviced (rotating basis)

Bulky items & e-waste

No haz-waste

Hand transported wastes only



What if we could
start over again and
do it completely
differently....would
we?



Are we trying to make a household solution fit where it doesn't fit?



Are we prepared to accept the trade-offs between standard and something different?



What are the waste streams that actually need to be collected from these spaces?



Should we be thinking about the building by default and not the individual units?



Should we be thinking about it as an area of service?



How does all of this impact standard charging methodologies?



Deliver equitable and
inclusive outcomes

