

Resource flows in the New Zealand economy WasteMINZ 2025



Parliamentary Commissioner for the Environment Te Kaitiaki Taiao a Te Whare Pāremata



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Resource use and waste generation in Aotearoa New Zealand A literature review

April 2024



Resource use and waste generation in Aotearoa New Zealand: filling (some) gaps

May 2025



Resource use and waste generation in Aotearoa New Zealand: the future

Date TBC



Material flow accounting: a framework



Natural resource inputs: 2019





Source: MPI, MBIE

Natural resource inputs: 2019





Source: MPI, MBIE, Stats NZ

Natural resource inputs: 2019





Source: MPI, MBIE, Stats NZ

Waste flows: 2019





Source: MfE, PCE (own calculations), Eunomia, Stats NZ

Putting it all together ... (for 2019) Biomass = Non-metallic minerals Metallic ores Fossil fuels



Exports 23 Mt

Te Kaitiaki Taiao a Te Whare Pāremata

Significant room for improvement ...

- Key assumptions:
 - What about the recycled content of imported commodities (e.g., metals)?
 - What about nutrient cycling?
 - What about other forms of circularity (e.g., reuse or remanufacture)
- Recycling data: what are we missing?
- Domestic extraction data: what are we missing?
 - Water
 - Certain minerals (sand and gravel, dolomite, iron sand)
- Trade data: resources contained in some manufactured products
- Updates

A recommendation:

Pariamentary Commissioner for the Environment
 To kait of Taxon Te What Commission

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"Stats NZ should establish - and regularly update - a national material flows platform"

Want to know more?

http://www.pce.parliament.nz/





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