

Data Request for FOGO collection Modelling

EMRC will run individual models for all member Councils including the following 3 scenarios

- Caddy liner versus no caddy liner
- Red lid weekly and fortnightly
- Disposal at Hazelmere Transfer Station versus Red Hill direct

1. Financials

1a. Lift rates for each waste stream (\$/lift)

1b. Disposal and/or processing rates for each waste stream (\$/tonne)

2. Contractual

2a. Current contracts for each waste stream (which may include the lift rates and disposal rates, assuming they are current)

3. Waste composition/extrapolation

3a. Any compositional audit data (particularly if you have data that differs for MUDs and SUD – Specific data is best; however, we can use most recent MRA audit data / average metro data in absence of Specific Data)

3b. Annual population growth.

4. Waste services

4a. Tonnes collected for each stream

4b. Number of services per waste stream (bins) – from the most recent invoicing:

- Garbage –
- Recycling –
- Organics –

4c. Bin sizes per waste stream (L)

4d. Frequency of collection for each waste stream (lifts/week)

4e. SUDs (Number of services) and MUDs (number of services and any further breakdown of MUDs in terms of number of tenements number of bins/mud, shared bins etc):

4f. Bin replacement costs including delivery (cost for each bin type) –

5. Collection and disposal

5a. Average distance travelled between lifts (Our default is. 50 metres) –

5b. Processing and Disposal locations (e.g. Cleanaway Guildford MRF, Red Hill, future Hazelmere transfer station and any other nominated alternate facilities)

5c. Transfer station locations (used for consolidation of waste stream prior to transport to disposal/processing locations)

5d. Tonnes to each facility (landfill, MRFs, organic facility, transfer stations)

5e. Reported recovery rates of facilities (e.g. 90% for commingled recycling)

5f. Size of collection trucks (usually assumed to be 10t, however you may have additional data on average loads)

5g. Other sites earmarked or to be considered as a waste facility (if known)

5h. MSW vs. C&I breakdown via waste stream and tonnes (if you collect from and C&I customers)

*Following questions only apply to City of Swan / Council operated collection fleet/services:
(Or alternatively, if you know your total costs divide by the number of lifts and use that as an input into the model)*

5i. Number and type of collection vehicles

5j. CAPEX/OPEX of collection vehicles (and/or annual lease costs if in house vehicles are leased)

5k. Lifespan of collection vehicles