

Let's Go FOGO!

FOGO & Multi Unit Dwellings (MUDs)
City of Fremantle Experience



Studies and Trials

SMRC/Melville FOGO trial:

- Contamination noted as a concern – all waste streams

SMRC MUD Study:

- No one size fits all solution for a FOGO system in MUDs - case by case approach required
- Lack of accountability in shared bin properties
- Capacity and frequency of collection resulting in any available bin being used
- Storage of bins, distance and access to bin storage areas affecting motivation to separate streams
- Limited knowledge of how to dispose of hazardous items

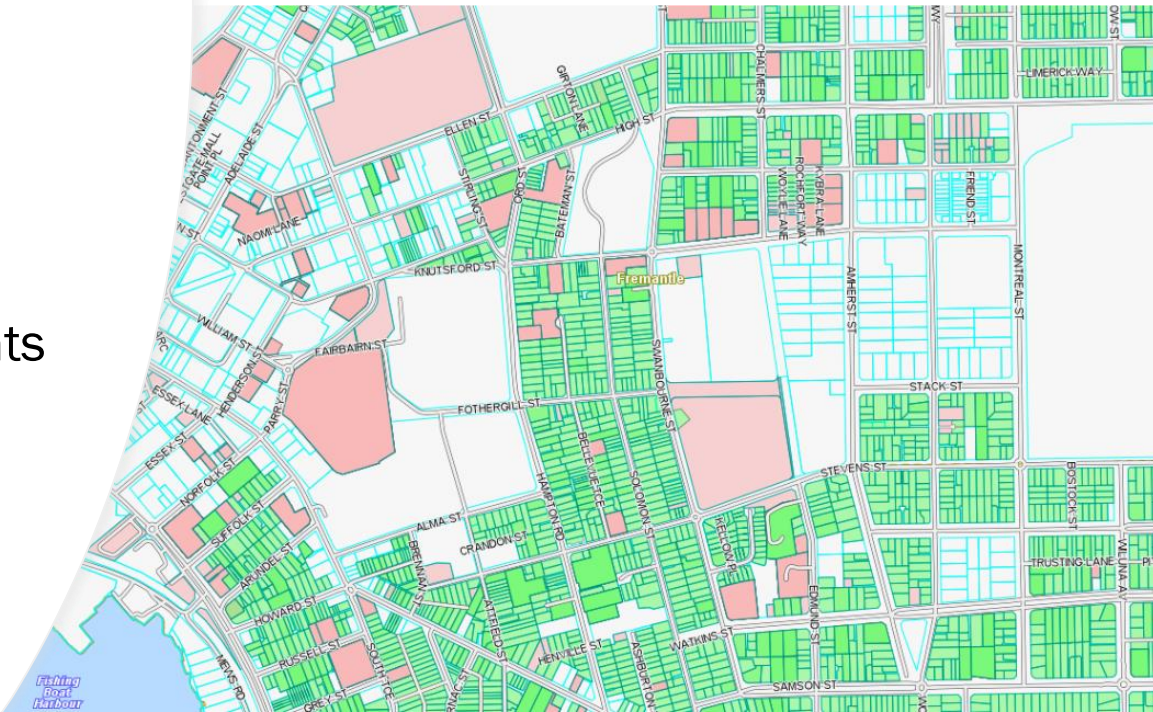
Fremantle – Prior to Rollout

- Waste Collection
 - New Collection Contract
 - Change of Collection areas/days (4→5)
 - Phased FOGO roll-out
 - Individual Bins – Phased 1
 - Shared Bins – Phase 2
 - Internal Service Changes
- Bin Roll Out
 - Contract
 - Methodology
 - Property Data



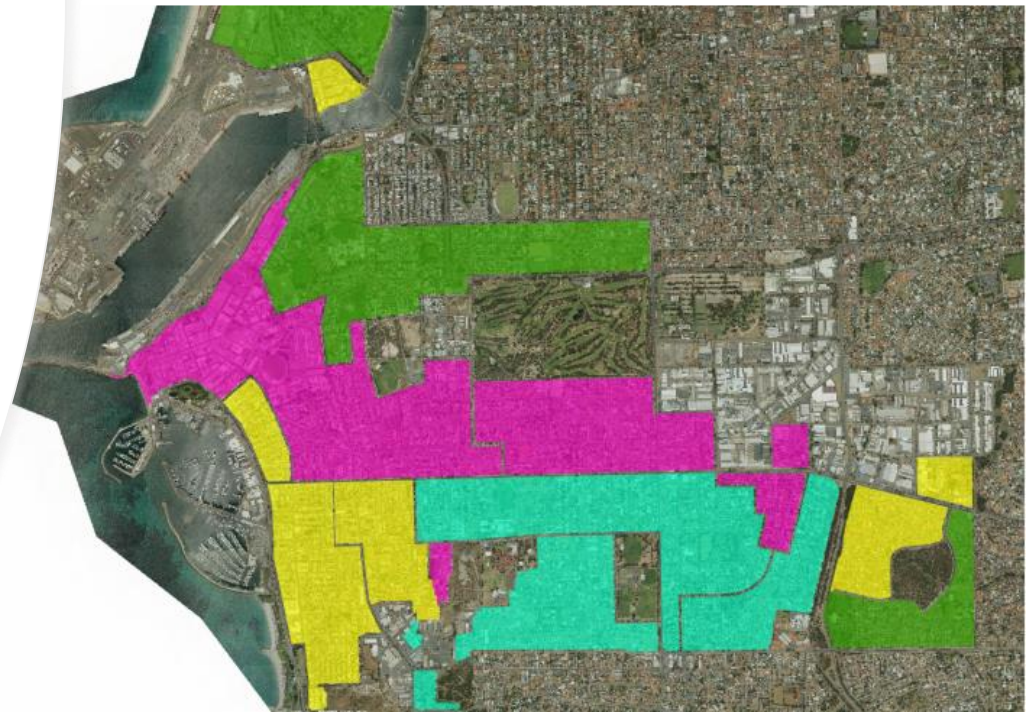
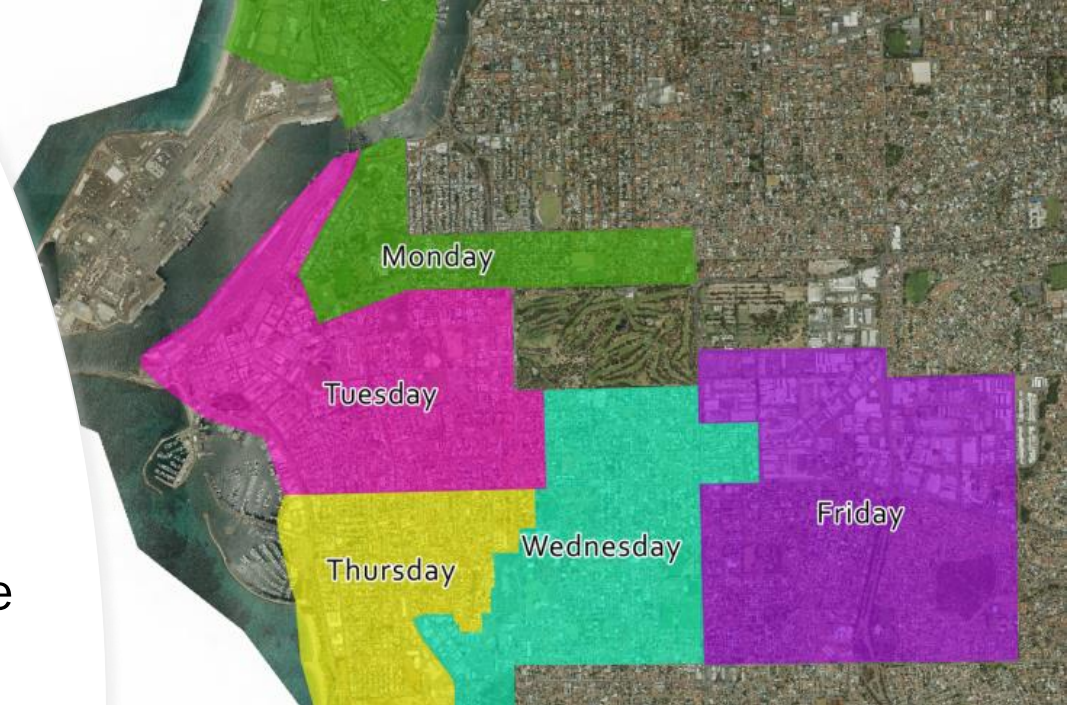
Step 1

- Basic GIS Data Capture
- Contract Drafting
 - Number of Services
 - Split of Contractor/City Services
 - Change of Boundary/Day Impacts
- Reviewing/preparing GIS Data for roll-out
- Communications with Residents
- Developing New Run Sheets
- ...Immediate need for more detailed data



Step 2

- “2 Bin Service” – Critical Task
 - Service Day/Boundary Change
 - Contractor & City Service Change Over
 - Simplification of Roll-out (Bin Retrieval)
 - Roll Out Data Requirements
- Need for detailed MUD data
 - No. & Type of Bins
 - Bin Location/Storage/Access
 - Capacity Issues
 - FOGO Potential
 - Vehicle Run Sheets



Step 2...

- Development of Detailed Database

- Spreadsheet developed
- GIS Team - developed list of MUDs or “non-SUDs”
- Initial Testing
- Refinement
- Procurement of Staff, Resources

Addresses	Number of new bins added	New Picket Access	Comments on Picket address, location & lot	FRGO	AGENT	GENE WASTE Box	GENE WASTE Box	FOOD Box 1	FOOD Box 2	GENER WASTE N Box 1	GENER WASTE N Box 2	GENER WASTE N Box 3	GENER WASTE N Box 4	GENER WASTE N Box 5	GENER WASTE N Box 6	GENER WASTE N Box 7	GENER WASTE N Box 8	RECYCLER No. of Bins	RECYCLER No. of Bins	RECYCLER No. of Bins	Bin Location	Vehicle Access	Comments
80320 7 Leake Street FREDMANVILLE VA 680	1/3	YES	NO	Unit is on street side of building	YES																Yards, Bin Room, Littering, Presentation Area, Other	Direct Access, Restricted Access, Other	Bin room through property
28634 W Phillips Street FREDMANVILLE VA 680	BA, R, C and E	YES	NO	W and E are merged mixed residential and commercial. Number 10 is a shopping commercial office and units above are apartments. State number 080402100	NO							8							5		Bin Room	Secured Access	Property owner make the garage
95039 9 Marine Terrace FREDMANVILLE VA 680		NO	NO	Bin put out on DR street	NO							1							1		Bin Room	Secured Access	Bin to garage
95039 12 Marine Terrace FREDMANVILLE VA 680		NO	NO	Secured access through rear of property	NO							1							1		Drive Vag	Secured Access	Bin at end of driveway
95039 16 Marine Terrace FREDMANVILLE VA 680		NO	NO	Bin located at end of driveway behind property	NO							1							1		Drive Vag	Secured Access	Bin at property
95039 18 Marine Terrace FREDMANVILLE VA 680		NO	NO	Bin located at end of driveway behind property	NO							1							1		Drive Vag	Direct Access	Bin at end of driveway
95039 19 Marine Terrace FREDMANVILLE VA 680		NO	NO	Apartment	NO							1							1		Drive Vag	Secured Access	Bin at driveway
95039 28 Marine Terrace FREDMANVILLE VA 680		NO	NO	Bin located on street sidewalk. No access to bin or bin room and no access to green bin or trash bin	NO							1							1		Bin Room	Secured Access	Bin at driveway
872334 42 Marine Terrace FREDMANVILLE VA 680		YES	NO	No access to bin room, after check the sheet, the sheet can be the access	NO							1							1		Bin Room	Secured Access	Bin at driveway
872334 46 Marine Terrace FREDMANVILLE VA 680		YES	NO	access through locked gate to garage	NO							1							1		Drive Vag	Secured Access	Bin at driveway
872334 26 Marine Terrace FREDMANVILLE VA 680		YES	NO	Bin located in apartment bin room merged with main bin room units	NO							1							1		Bin Room	Secured Access	Bin at driveway
872334 50 Henry Street FREDMANVILLE VA 680		YES	NO	Property bin storage in garage. Locked	NO							1							1		Presentation Area	Secured Access	Bin at driveway
872334 54 Henry Street FREDMANVILLE VA 680		NO	NO	One bin locked in garage, shared driveway through locked gate	NO							1							1		Bin Room	Secured Access	Bin at driveway
872334 36A Marine Terrace FREDMANVILLE VA 680	1	NO	NO	One bin locked in garage, shared driveway through locked gate	NO							1							1		Presentation Area	Secured Access	Bin at driveway
872334 38B Marine Terrace FREDMANVILLE VA 680	1	NO	NO	Bin located in garage, shared driveway through locked gate	NO							1							1		Presentation Area	Secured Access	Bin at driveway
872334 38C Marine Terrace FREDMANVILLE VA 680	1	YES	NO	No access to bin room, after check the sheet, the sheet can be the access	NO							1							1		Presentation Area	Secured Access	Bin at driveway
28429 6 Colle Street FREEMANVILLE VA 688		NO	NO	POISONOUS FOOD Access through bin room only, only one family living here. They would like to get and recycling bin, told to ring Council	NO		YES														Presentation Area	Secured Access	Bin at driveway
82221 68A Marine Terrace FREEMANVILLE VA 688	A-U	YES	NO	Please refer to Facebook for bin data. Properties merged with 2 Suffolk and Henric, as large long complex. Merged with 2 Suffolk, and 68 Marine Terrace. Data includes bin room on south side of property	NO								2								Bin Room	Secured Access	Bin at driveway
82221 1 Norfolk Street FREEMANVILLE VA 688	7, 24, 4, 8, 2	YES	NO	Please refer to Facebook for bin data. Merged with Norfolk and 68 Marine Terrace	NO									4					1		Bin Room	Secured Access	Bin at driveway
82221 2 Suffolk Street FREEMANVILLE VA 688	16	YES	NO	POISONOUS FOOD one apartment, separate from other buildings. FOOD because no sharing	NO		YES														Bin Room	Secured Access	Bin at driveway
82189 64 Marine Terrace FREEMANVILLE VA 688		NO	NO	Littering on 68 Marine Terrace	NO							1							1		Bin Room	Secured Access	Bin at driveway



IN PARTNERSHIP WITH



TWO BIN SERVICE

DO NOT REMOVE



For more information
call 1300 MYFREO

Step 2...

- Auditing Process
 - 2 Full Time Temp Staff, 2 vehicles, PPE, Comms (stickers, letters)
 - 618 Properties Audited
 - 4 weeks auditing, 1-2 weeks data consolidation
 - Approx 50/50 split – MUDs/Other property type
 - Stickers of Bins “TWO BIN SERVICE”

The Busy Months

- July - Sep
 - New Contractor Service Model
 - Internal Service Changes
 - Comms Delivery
- Sep – Oct
 - FOGO roll-out
 - Dark Green Bin Retrieval

Lessons Learnt

- Reliable property/bin data is critical
- Importance of GIS team
- Data ready ahead of major changes
- Maximising data capture in field
- Knowledge of operational staff
- Ensure data capture can be maintained

Future Steps

- Further Expansion of FOGO Service to MUDs
 1. Low Risk MUDs
 2. Difficult MUDs - Case Studies
 3. Difficult MUDs - Case by case roll-out
- Refined GIS Model to capture and track changes across entire waste service
- WALGA MUD Working Group



Questions??

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