

CapeROC

Capes Region Organisation of Councils

MINUTES

**16 November 2018
10:00 AM**

MINUTES OF THE CAPES REGION ORGANISATION OF COUNCILS MEETING
HELD ON 16 NOVEMBER 2018 AT 10:08 AM

TABLE OF CONTENTS

| ITEM NO. | SUBJECT | PAGE NO. |
|-----------------|---|-----------------|
| 1. | ATTENDANCE AND APOLOGIES | 3 |
| 2. | CONFIRMATION OF MINUTES | 4 |
| | 2.1 Minutes of the meeting of CapeROC 31 August 2018..... | 4 |
| 3. | PRESENTATIONS..... | 4 |
| | 3.1 WALGA update – Anne Banks-McAllister | 4 |
| 4. | BUSINESS ARISING FROM PREVIOUS MEETINGS..... | 5 |
| 5. | GENERAL UPDATES..... | 5 |
| | 5.1 Shire of Augusta Margaret River – current recruitment and staffing position | 5 |
| | 5.2 CapeROC Budget | 6 |
| | 5.3 Shark Alarm and Drum Line Trials | 7 |
| | 5.4 Waste Feasibility Study | 7 |
| 6. | REPORTS | 8 |
| | 6.1 CapeROC meeting dates 2019 | 8 |
| 7. | Major Project Updates | 9 |
| 8. | GENERAL DISCUSSION ITEMS | 9 |
| | 8.1 Research project – timelines – holiday homes | 9 |
| 9. | NEXT MEETING | 9 |
| 10. | CLOSURE..... | 9 |

MEETING NOTICE – 16 NOVEMBER 2018**TO: MEMBERS OF CAPEROC**

NOTICE is given that a meeting of the Capes Region Organisation of Councils was held in Mainbreak Meeting Room at the Shire of Augusta Margaret River Civic Administration Centre, 41 Wallcliffe Road, Margaret River on Friday 16 November 2018, commencing at 10:00am.

1. ATTENDANCE AND APOLOGIES**ATTENDANCE**

| | | |
|--------------|--|---|
| Chairperson: | Cr Pam Townshend | Shire President, Shire of Augusta Margaret River |
| Members: | Cr Naomi Godden Cr Mike Smart Cr Grant Henley Cr John McCallum Cr Kelly Hick | Shire of Augusta Margaret River Shire of Augusta Margaret River Mayor, City of Busselton City of Busselton City of Busselton |
| Officers: | Mr Dale Putland Mr Tony Nottle Ms Ruth Levett Mr Mick O'Regan Ms Megan Smith | Acting Chief Executive Officer, Shire of Augusta Margaret River Director Finance and Corporate Services, City of Busselton Manager Waste, Health and Ranger Services, Shire of Augusta Margaret River Ranger Coordinator, Shire of Augusta Margaret River Executive Assistant Shire of Augusta Margaret River (Minutes) |

Anne Banks-McAllister WALGA

APOLOGIES

| | |
|---------------------|---|
| Mr Mike Archer | Chief Executive Officer, City of Busselton |
| Ms Jaylene Chambers | Economic Development Coordinator, City of Busselton |
| Mr Tony Brown | WALGA |
| Ms Tracey King | Strategic Projects Officer, City of Busselton |

2. CONFIRMATION OF MINUTES

2.1 Minutes of the meeting of CapeROC 31 August 2018

RECOMMENDATION: That the minutes of the meeting of the Capes Region Organisation of Councils held 31 August 2018 be confirmed as a true and correct record.

CapeROC noted the minutes.

3. PRESENTATIONS

3.1 WALGA update – Anne Banks-McAllister

Local Government Act review.

Timeframes

- Info page next week – requesting submissions to WALGA by 21 January 2019, so there is time to take to Council meetings prior to this date.
- Update due after zone meetings.
- 30 January 2019 - state wide forum held in Perth on the future of local government – will be useful to look at what has come up so far – more to do with innovation, less prescriptive.
- Final proposal will go to February/March 2019 zone meetings
- Submission to State government - 31 March 2019
- Bill will then be prepared to go to government in mid-2019

Beneficial enterprises

There has been some interest from the ASU who have gone to the media – their concerns are around privatising essential services and loss of staff, which will not be the case.

Economic Development Framework project

- Update to this round of Zone meetings – final document to zone meetings in February and March 2019
- Economic Development policy launch forum - State Council - first meeting in December.
- Elected member survey still live - will send link through.
- Responding to queries from Cr Godden;
 - A sustainable approach has been integrated – climate change not specifically mentioned. Discussion around need to mainstream climate change in the Framework and the responsibility of state government to take action
 - More relating to issues around advocacy and policy which pose barriers to Local Government when implementing economic development initiatives, such as regulatory barriers.
 - Digital disruption ie Uber, short stay accommodation not specifically part of framework – more around the local government sector becoming more proactive and involved, and the lack of understanding within the sector of its role in economic development. More of a conceptual framework rather than details around specific issues – advocacy and policy in the first round, then marking starting point to getting into greater detail. Some LG's are very advanced, others (smaller) not so much.
 - Economic growth and economic development are different concepts – growth on its own is not necessarily positive, but development can deliver community wellbeing outcomes.
 - ABMcA advised that she will take input back

- Infrastructure and asset management critical part of economic development and contributing to local government.

WALGA CEO recruitment

Under way – applications closed at the end of November, will hold a workshop before going to state council – process well advanced.

4. BUSINESS ARISING FROM PREVIOUS MEETINGS

| ACTION ITEMS | | | |
|--------------------------|----------------------------|------------------|--|
| Item | Responsible Officer | Timeframe | Progress |
| Shark Mitigation | RL/MoR | Ongoing | |
| Joint Public Health Plan | TG | 2020 | <ul style="list-style-type: none"> • ToR drafted, briefing from TG and Jane Cook • Long term project – proactively working towards finalising • WALGA and DoH also doing some work and may be a template that local government could work to. • EHO's are meeting and Nannup hoping to piggy back – the whole zone could do some pre-emptive work – could bring up at the next zone meeting. • Some concern that scope could move into areas which are currently state government responsibility. • Need a plan which strengthens state services to the regions, by identifying gaps and advocating to close them. |

5. GENERAL UPDATES

5.1 Shire of Augusta Margaret River – current recruitment and staffing position

| | |
|-----------------------------|---|
| RESPONSIBLE OFFICERS | Dale Putland, Acting CEO, Shire of Augusta Margaret River |
| ATTACHMENTS: | Nil |

- Dale Putland is currently acting CEO – Ian McLeod is acting as DSD until Nick Logan, Manager Planning, returns from leave in December.
- Annie Riordan has commenced as CEO at the Shire of Harvey – Andrew Ross is currently acting DCCS. Have established a supportive management group and there has been a smooth transition with little disruption
- CEO recruitment – councillor workshops have been held to look at the type of CEO, the process to be followed etc – these were facilitated by WALGA and the draft selection criteria and position description are now with the recruitment consultant who is providing guidance. May not be advertised until the end of January, beginning of February
- Recruiting for part time compliance officer to look at illegal holiday homes. Have done some work with ECU and Curtin researchers to look at these issues with a view to applying for an ARC grant in the long term

- Preparing job sizing for Sustainable Economy officer and will probably advertise in the next couple of weeks.

5.2 CapeROC Budget

| | |
|----------------------------|-----|
| RESPONSIBLE OFFICER | ALL |
| ATTACHMENTS: | Nil |

IN BRIEF

Each year, the Shire of Augusta Margaret River and the City of Busselton allocate up to \$50,000 of their respective budgets (up to \$100,000 in total) towards CapeROC approved regional economic development initiatives. This report provides an update on financial activities for the 2018 – 2019 financial year.

COMMENT

2018-2019 Proposed Allocations

| 2018-2019 CapeROC Projects | In Principle Allocation \$100,000 | Expenditure (AMR) \$50,000 | Expenditure (BSN) \$50,000 | | Comments |
|--|--|---------------------------------------|---------------------------------------|--|--|
| CapeROC Calendar of Events 2018-2019 (Spring, Summer, Autumn and Winter) | \$21,700 | \$10,850 | \$10,850 | | Ongoing |
| Joint Trail Strategy Development | \$30,000 | \$15,000 | \$15,000 | | Ongoing |
| Tourism Signage Strategy | \$30,000 | \$15,000 | \$15,000 | | Ongoing – GHD working on mapping |
| Joint Public Health Plan | \$18,300 | \$9,150 | \$9,150 | | Ongoing – SW could carry some of this over |
| Potential Total Expenditure: | \$100,000 | \$50,000 | \$50,000 | | |
| Total Unallocated: | \$0 | \$0 | \$0 | | |

RECOMMENDATION

1. That CapeROC notes the current status of the CapeROC 2018-2019 budget.

CAPEROC DECISION:

CapeROC noted the budget position

5.3 Shark Alarm and Drum Line Trials

| | |
|----------------------------|---|
| RESPONSIBLE OFFICER | Ruth Levett, Manager Waste, Health and Ranger Services, Shire of Augusta Margaret River |
| ATTACHMENTS: | Nil |

Drum line Trial

- Met to set up ToR for trial and possible locations. Once installed, gauge community reaction and report back to the minister, (not the media). Need statistics on number caught, relocated, tagged, as well as monitoring data.
- If trials successful, will look at the next priority locations.

Shark alarm.

- MoR demonstrated how alarm works through mobile phone
- Not a stand alone system, complements existing system set up by state government - Shark Smart – run by Department of Primary Industries and Regional Development. Alarm can only be activated if sighting or attack notified to the Water Police – signage on poles is consistent with this messaging
- Rangers currently have to go to the location of a shark sighting to alert beach users - now can remotely activate the warning message and light
- Box located on top of a pole and goes out approx. 500m, with lights and a camera so rangers can see what people are doing, and to see if they need to attend - solar powered with battery backup - lasts three days without sunshine and will still operate on a cloudy day. Is a cloud based system and the batteries last for years.
- Rangers are on duty 24/7 – shark issue no different to stock on road etc.
- Is on trial for three months from 1st November. Will then carry out evaluation in consultation with relevant organisations, then extend for three months if results positive. Management practices for both local governments will be prepared to fit in with the system
- Cost of trial is \$7.5k for six months for two stations. Will negotiate capital up front purchase rather than lease, if trial successful, as there will be other firms who can supply - would have to go out to tender at the end of the process. Signage on poles – all shark sightings, contact water police, consistent message.
- BEN signs – could put this infrastructure on these – economies of scale potential. Ideas can be pulled together as trials continue.
- DBCA land – local governments can't do trial on their land but happy to share results with them.
- Tourism – flashing red lights and alarms – could give a negative impression. The feedback has been that people feel less anxious about entering the water if there is a warning system in place. Is also able to be programmed to change options ie languages, messages.
- Spectra also understand the limitations of their own system and are also looking at drone options which may be able to identify people, whales and other species.

5.4 Waste Feasibility Study

| | |
|----------------------------|---|
| RESPONSIBLE OFFICER | Ruth Levett, Manager Waste, Health and Ranger Services, Shire of Augusta Margaret River |
| ATTACHMENTS: | See attached |

- A number of studies had been done by the Shire in the past but not activated – no cohesive plan. Went to market for broad range project, looking at all waste generated in the region. Successful tenderer put forward a team of ten consultants with various levels of experts. Worked toward goal of the Community Strategic Plan – a minimum of 70% of waste away from landfill.

- Currently have a two bin system, but this is not mandatory so recycling rate is low. The new model is cost effective and works for 20 years, as well as being flexible and able to incorporate changing technologies.
- Consultants took into consideration previous reports, population and property forecasts (including visitor numbers), new and existing site options, sources and types of waste, waste processing technologies, bin options, trends in other local government areas, and undertook financial analysis and modelling. Also noted that community education is a critical component.
- Looked at other site options from landfill perspective – Davis Rd still most favoured option. Also looked at all waste types generated and what sort of processing would be required. Organics are a large proportion so costed various technologies. Waste to energy – large and costly – will move to small and modular in five years time – need tried and tested system.
- Recycling – scale down C&D waste – process here or transport. Biochar – wood product – high carbon value, very cheap to make. Transport is issue – heavy product. Good for soil development. Achieve high standard and be marketable back into the region. Compost – 3-500 dollars per tonne. Carbon sequestration funding also available.
- Contamination an issue for organics from municipal waste. Waste audit identified that 70% of non-recycled waste could have been recovered ie plastic, polystyrene and oil.
- FOGO – food organics and garden organics. Community supportive of three bin system – a lot of consultation with a result of an estimated total diversion up to 75% of waste with FOGO system - 21% is current diversion rate. Could also plan to reward those who home compost which might reduce the number of bins which have to be collected. Three bin system will be implemented from July 2019.
- Financial modelling - greatest component of study. Transfer stations are a high cost for minimal value to the community.
- Education critical, therefore a waste education strategy will need to be developed.
- Also need to look at the design of a new transfer station
- Next steps
 - Develop and implement education campaign
 - Tender for new Waste Collection Contracts (FOGO & Mandatory Recycling)
 - Seek Waste Authority Better Bins program funding
 - Determine FOGO contamination management – prior to budget process
 - Incorporate changes into 2019/20 budget
 - Roll out of new systems July 2019

6. REPORTS

6.1 CapeROC meeting dates 2019

| | |
|----------------------------|----------------------------------|
| RESPONSIBLE OFFICER | Megan Smith, Executive Assistant |
| ATTACHMENTS: | NA |

IN BRIEF

Meetings of CapeROC are held on a quarterly basis, generally held on a Friday morning in the months of February, May, August and November. Currently, meetings are scheduled to commence at 10.00am with business concluding prior to a member's lunch.

It is proposed that meetings be held on the second Friday of the months of February, May, August and November as below:

8 February 2019 – Margaret River

10 May 2019 – Margaret River

9 August 2019 – Busselton

8 November 2019 – Busselton

RECOMMENDATION

That CapeROC adopt the above meeting dates for 2018-2019.

CapeROC confirmed the above dates.

7. Major Project Updates

NA

8. GENERAL DISCUSSION ITEMS

8.1 Research project – timelines – holiday homes

- Need to set up programs to demonstrate that LG's are doing research – Shire and CoB to work together. The broader the partnership the more chance of getting significant funding to do this work. Also not funding academic research for the sake of it – need usable research results
- Australian Coastal Councils (ACC) report focused on compliance, not the impact on areas outside holiday home sector – Vic and NSW have done this work and ECU and Curtin aware and working with them.
- Need to work in parallel with State Govt Air BnB work and to make evidence based decisions – currently only have anecdotal examples.
- Timeline for State government hearing in Busselton – report due in June 2019.
- Discussion around what outcomes and support Local Government want from the State parliamentary enquiry and what issues face them ie
 - Can only take action if flagrant abuse is occurring and need to have evidence
 - Many variables – federal tax review, differential rating options, insurance
 - Risk – overseas visitors not understanding bush fire implications with non-compliant rentals
 - Complaints not just around illegality – also noise, impact on community nature of residential areas, other anti social behaviour
 - Do people still want old style accommodation options and what happens to these sites if not – could remove three month restriction and have available for rental
 - Social housing, tenancy laws, housing affordability and availability
 - Some tools available to identify illegal operations – ie AirDNA

RECOMMENDATION

That CapeROC put a joint submission to the parliamentary enquiry, with both local governments working separately and then combining results

Moved Cr Townshend, seconded Cr Henley

9. NEXT MEETING

8 February 2019 – Shire of Augusta Margaret River

10. CLOSURE

The meeting closed at 12.15



GFG CONSULTING



Augusta Margaret River
**TOO GOOD
TO WASTE**

Project Overview



Community Strategic Plan



Key result area 3: Ensuring sustainable development

The community's environmental, cultural and social values are maintained to ensure vibrant, sustainable townships which maintain their distinctive country character within a healthy, managed environment.

1. Clearly defined areas for growth, renewal and protection
2. Liveable, sustainable and well-designed places that are inclusive for all cultures and demographics
3. Climate change mitigation and response
4. Sustainable resource use and waste management
5. Sustainable water and energy management
6. Connected and safe transport network

- Minimum of 5 years residential land supply, zoned, structure planned and available for release
- Planning processes deliver a varied mix of lot and housing types
- Reduction in corporate and community carbon emissions
- 70% of waste received at disposal sites is diverted from landfill
- Increase in re-use of non potable water and carbon free renewable energy
- Distance of new footpaths and cycleways implemented in the shire per annum

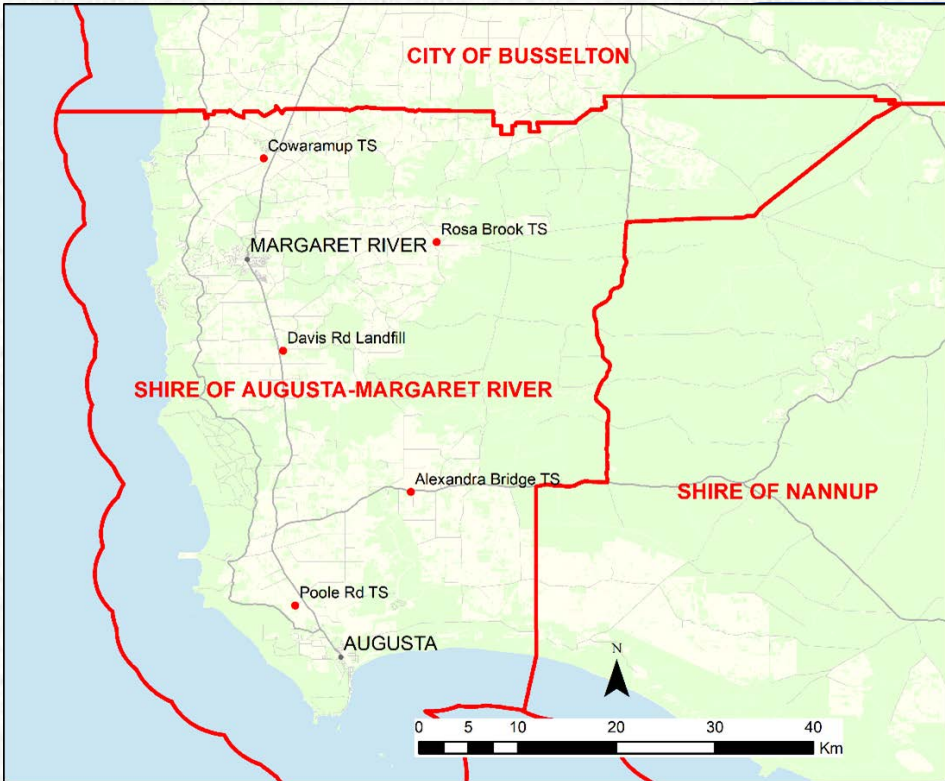
Community Strategic Plan 2036

KRA 3: Ensuring
Sustainable
Development

Outcome 4:
Sustainable
resource use and
waste management

KPI: to divert a
minimum of 70% of
waste from landfill

Waste management in the Shire today...



Davis Road Waste Management Facility

Transfer Stations

- Cowaramup
- Rosa Brook
- Alexandra Bridge
- Kudardup

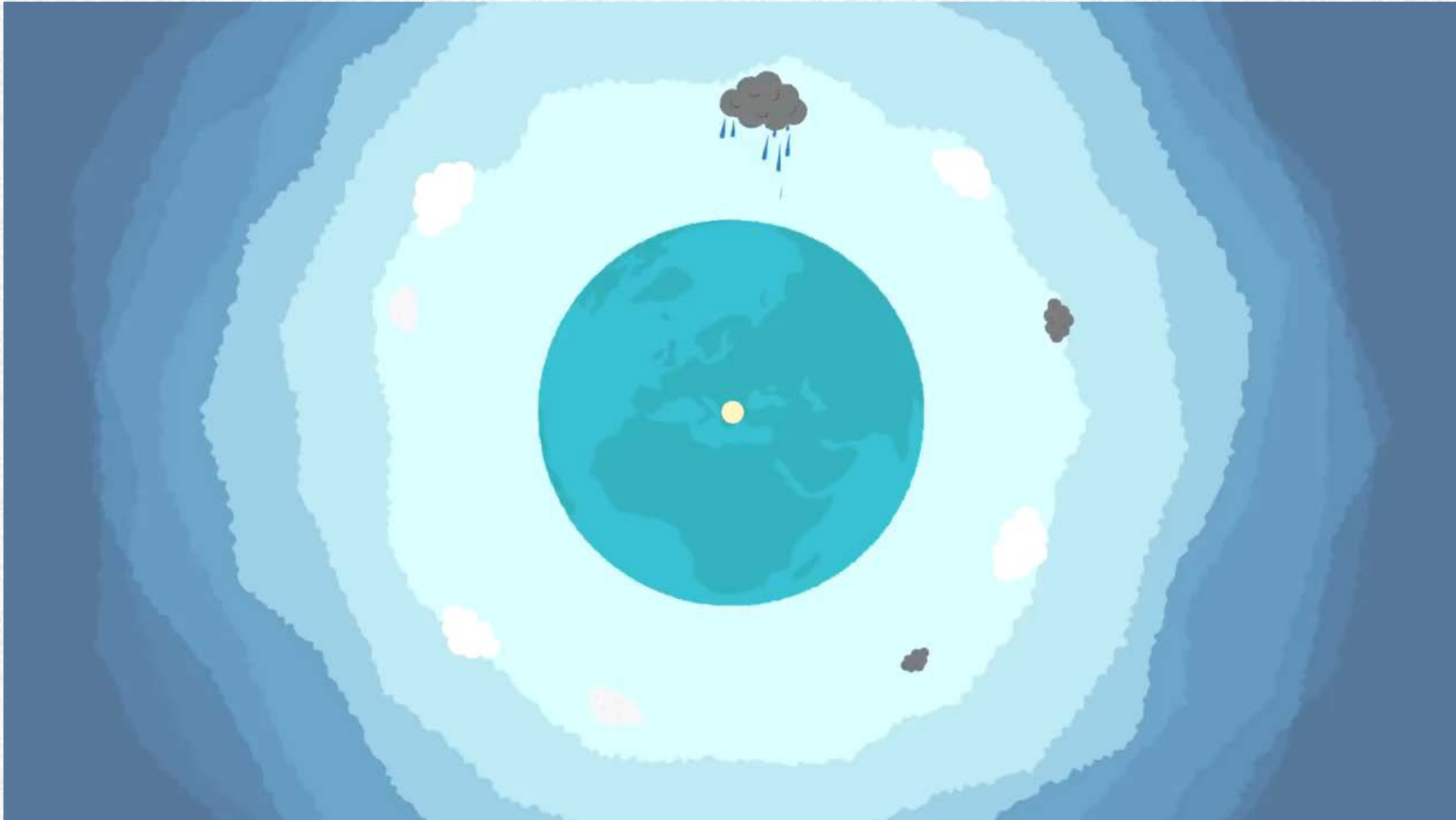
East Augusta drop-off



- Two bin system
- Opt in recycling
- \$200 waste levy
- Waste service fees
- 21% diversion rate

...a very linear model

The goal... A circular economy





Key objectives

- Reduce waste being sent to landfill through resource recovery and education
- Determine the most efficient and cost-effective model for the next 20 years
- Avoid increasing costs
- Develop a waste master plan and long-term financial plan

What we looked at

- Previous reports & studies
- Population & property forecasts
- New and existing site options
- Sources and types of waste in the region
- Waste processing technologies
- Bin options
- Financial analysis & modelling
- Education



Previous reports and studies



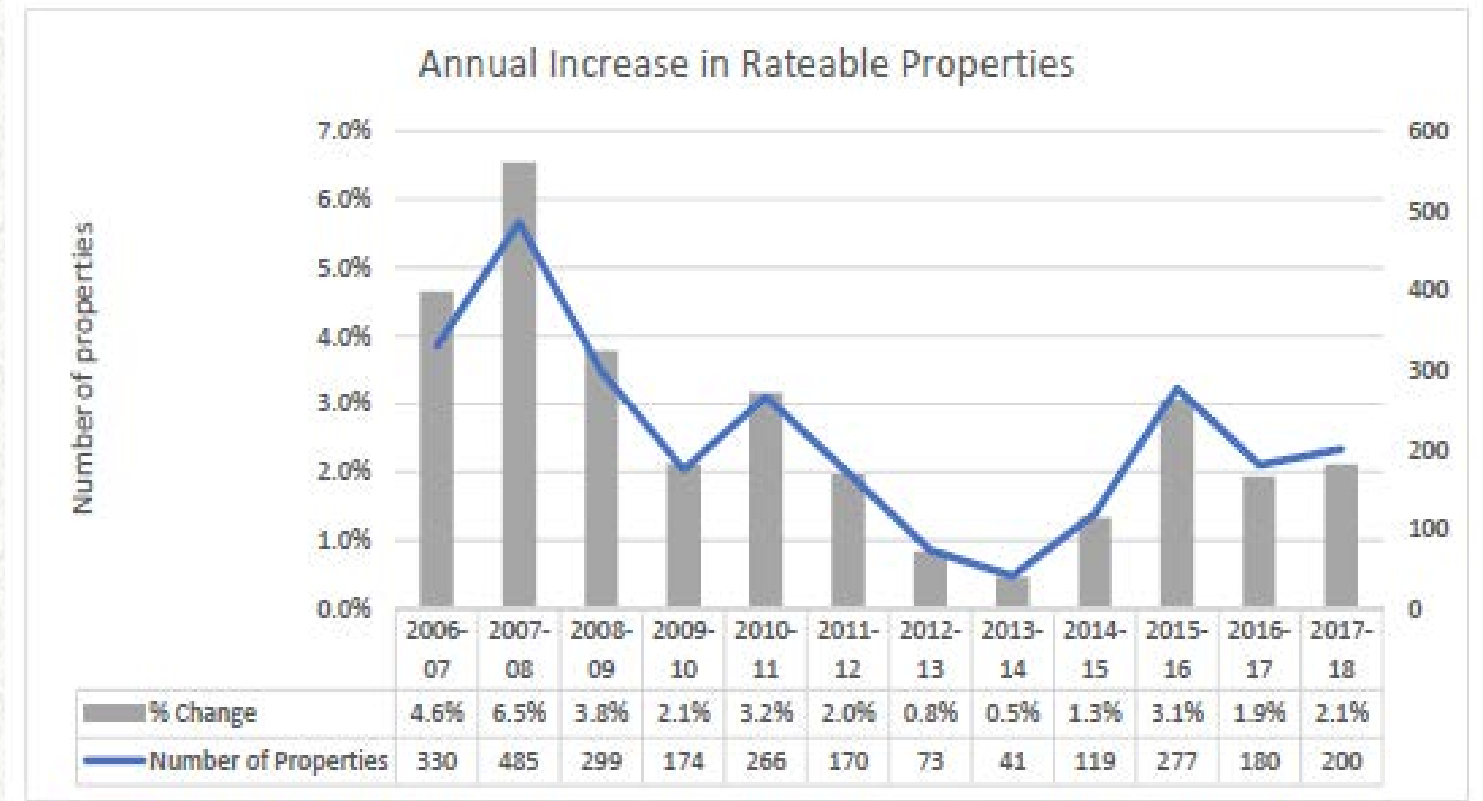
Over 275 recommendations made from previous reports

- **Difficult to implement, considering current operations and timeframe to closure**
- **Some recommendations have significant cost with low return**
- **65 recommendations proposed to be implemented**

Population and Property



- Average annual population growth rate of 1.6 per cent
- Trend for growth concentrated in the north of the Shire
- Average annual visitors is the equivalent of 1,922 visitors each day and is more than 13% of the estimated population



Property growth forecast for our modelling – 2% annual growth rate for the first two years of the modelling and 1.7 % after that.

Site options

All 3 new sites share similar environmental constraints or opportunities.

Methodology

- Topography
- Hydrology
- Geology, geomorphology and soils
- Contaminant migration risk
- Flora, vegetation and fauna
- Contaminated sites
- Heritage
- Land use and surrounding land use
- Siting constraints

**Preferred option :
Remain at Davis Road**



Sources and types of waste in the region



The Shire land use statistics for broadacre industries:

| Broadacre industries (2008) | AreaHa | Number properties |
|--|--------|-------------------|
| Forestry products | 12638 | 175 |
| Hardwood production | 1812 | 65 |
| Softwood production | 4309 | 58 |
| Grazing modified pastures | 50295 | 1459 |
| Hay and silage | 14 | 3 |
| Perennial horticulture | 9 | 14 |
| Irrigated modified pastures | 138 | 3 |
| Irrigated cropping | 74 | 4 |
| Irrigated perennial horticulture incl some vines | 182 | 61 |
| Irrigated tree fruits | 4.97 | 9 |
| Land in transition including under irrigation | 154 | 26 |
| Irrigated oleaginous fruits | 109 | 21 |
| Irrigated tree nuts | 6.4 | 2 |
| Irrigated vine fruits | 2823 | 185 |
| Irrigated seasonal horticulture | 10 | 6 |
| Poultry farms | 0.82 | 1 |
| Mining | 336.89 | 3 |
| Quarries | 15.7 | 6 |

Land use statistics

Fun fact....

Five of the largest dairy herds in Australia are in our Shire.

About 14,000 cows reside in our Shire. That's nearly one cow for every person.



The current Shire land use statistics for intensive agriculture

| Intensive - 2015 | AreaHa | Number |
|--------------------------------------|--------|--------|
| Abandoned intensive animal husbandry | 3.53 | 2 |
| Abattoirs | 2.76 | 1 |
| Aquaculture | 7.72 | 1 |
| Cattle feedlots | 16.30 | 6 |
| Dairy sheds and yards | 40.21 | 35 |
| Horse studs | 14.58 | 2 |
| Intensive animal husbandry | 4.4 | 1 |
| Intensive horticulture | 4.7 | 1 |
| Irrigated oleaginous fruits | 9 | 2 |
| Irrigated seasonal fruits | 8.64 | 1 |
| Irrigated seasonal horticulture | 1.3 | 1 |
| Irrigated sown grasses | 35.27 | 1 |
| Irrigated sown grasses | 6.13 | 4 |
| Piggeries | 2.53 | 6 |
| Poultry farms | 5.3 | 2 |
| Stockyards/saleyards | 2.19 | 2 |



Waste types

- **National Pollutant Inventory**
- **Industrial Sites (Facility Emissions)**
- **Commercial, Domestic & Transport Activities**
- **Organic Waste (Shire Green Waste)**
- **Vineyard Waste**
- **Winery Solid Waste**
- **Winery Wastewater**
- **Beverage Manufacturing**
- **Woody Waste**
- **Food Waste**
- **Intensive Animal Husbandry**
- **Cardboard & Paper Waste**
- **Annual and Perennial Horticulture**
- **Meat Production**

Waste processing technologies

A photograph of a waste processing facility. In the foreground, a yellow front loader is positioned on a concrete floor. Behind it, there are large, colorful piles of waste, including plastic bags and other debris. The background shows the industrial structure of the facility with concrete pillars and overhead pipes.

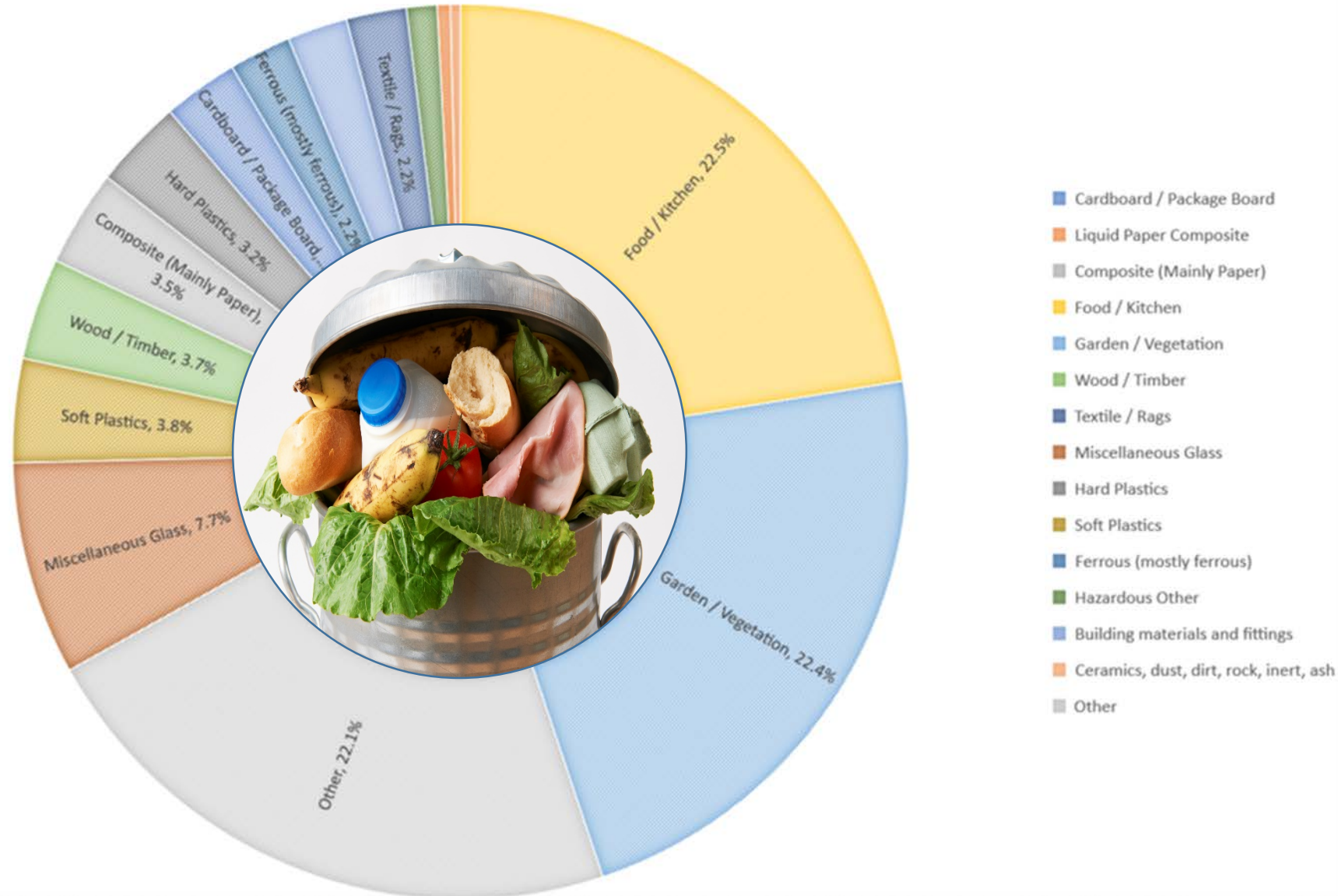
Organics

- Waste to Energy
- Biochar
- Biogas
- Pyrolysis
- Carbon farming initiative

Recycling

- REDcycle Recycling
- Terracycle
- Construction and Demolition Waste
- Polystyrene processing

Residential waste breakdown



70% of the material in the general waste bins could have been recovered

Over 50% of that material was organic



Bin Options - Do we FOGO?

How FOGO Works

Good Separation = Low Contamination



Bin Option Assessment



2 Bins – no changes
Cost per tonne \$160
0% additional diversion (21% current)



3 Bins – Garden organics only / 240L waste
Cost per tonne \$207
40% additional diversion (61% overall)



2 Bins – compulsory recycling
Cost per tonne \$165
27% additional diversion (48% overall)



3 Bins – FOGO
Cost per tonne \$205
54% additional diversion (75% overall)

Optimal bin models

Option 1:

2 Bins – Compulsory recycling



Option 2:

3 Bins – FOGO



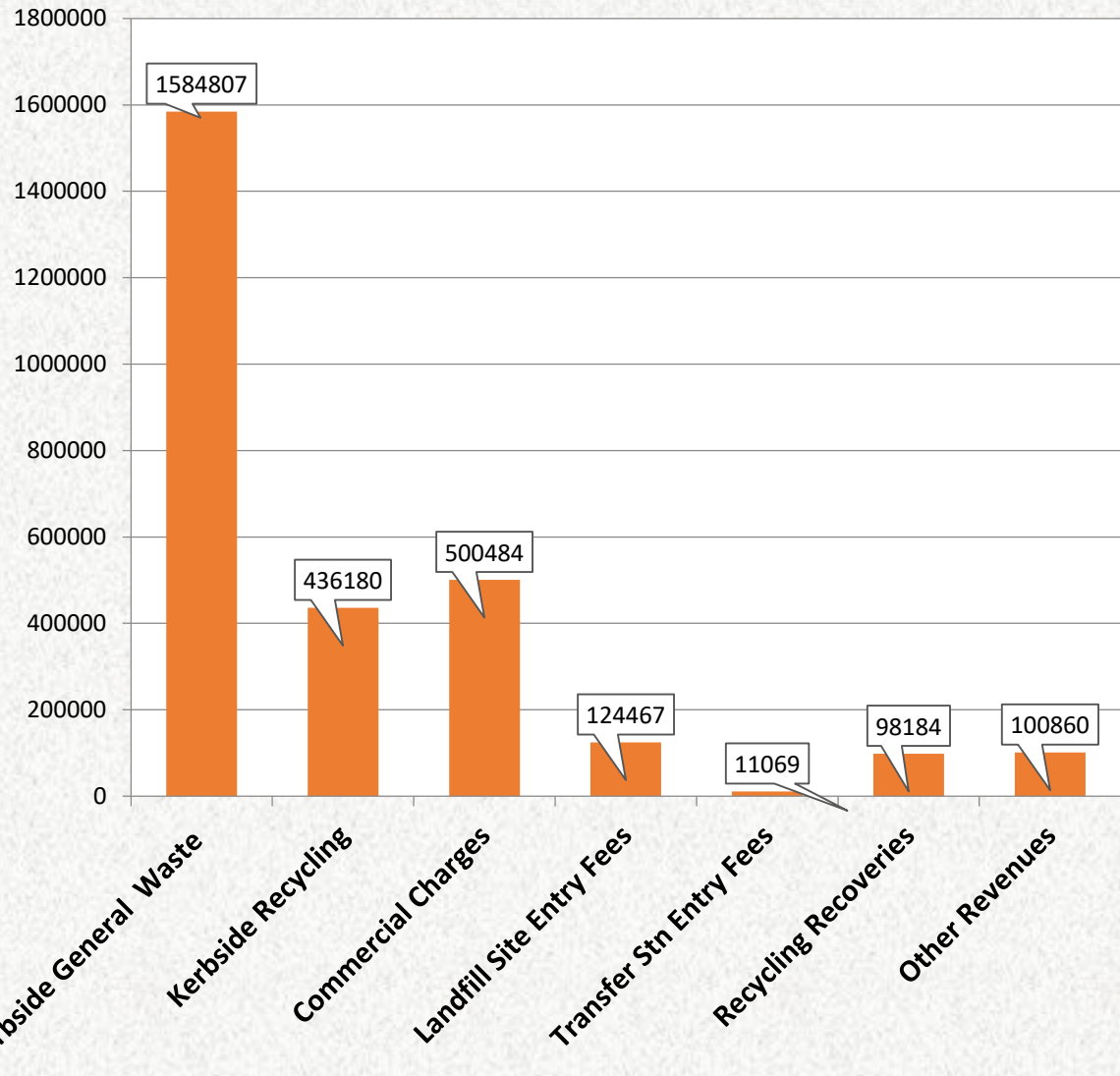
Incorporating 3 bin system increases costs by \$45 per tonne but also increases diversion of kerbside waste by 40 – 54%

Financial Analysis & Modelling

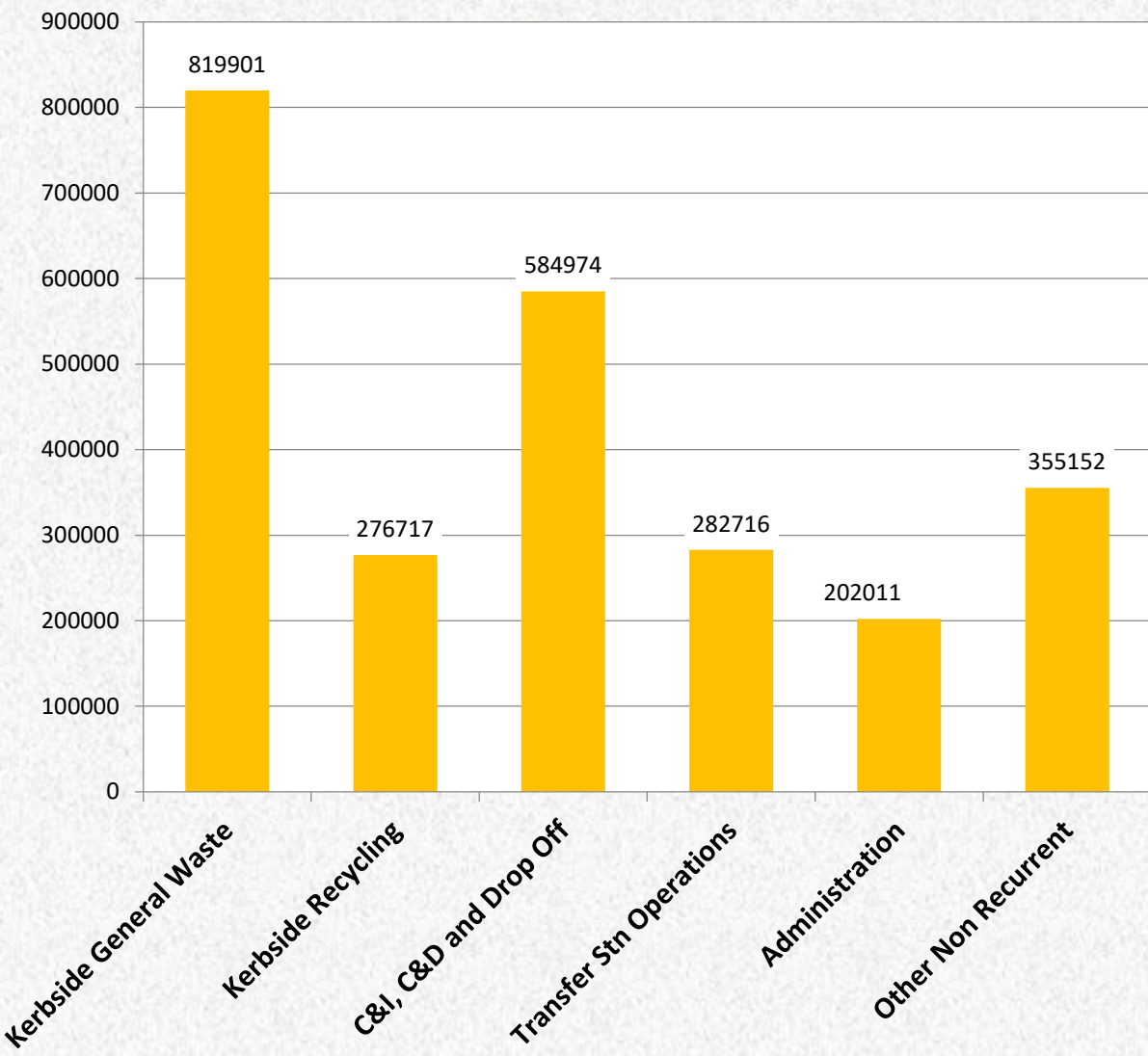
- Calculated baseline costs for 2017/18 FY
- Covers revenue and expenditure
- 20 year model to 2038
- Models all components that relate to collection, transfer, transport, recycling, logistics, reprocessing, landfilling
- Live model – Changes can be entered into model to inform council decisions
- Informs annual budget and long-term financial plan

2017/18 Revenue & Expenditure

Revenue

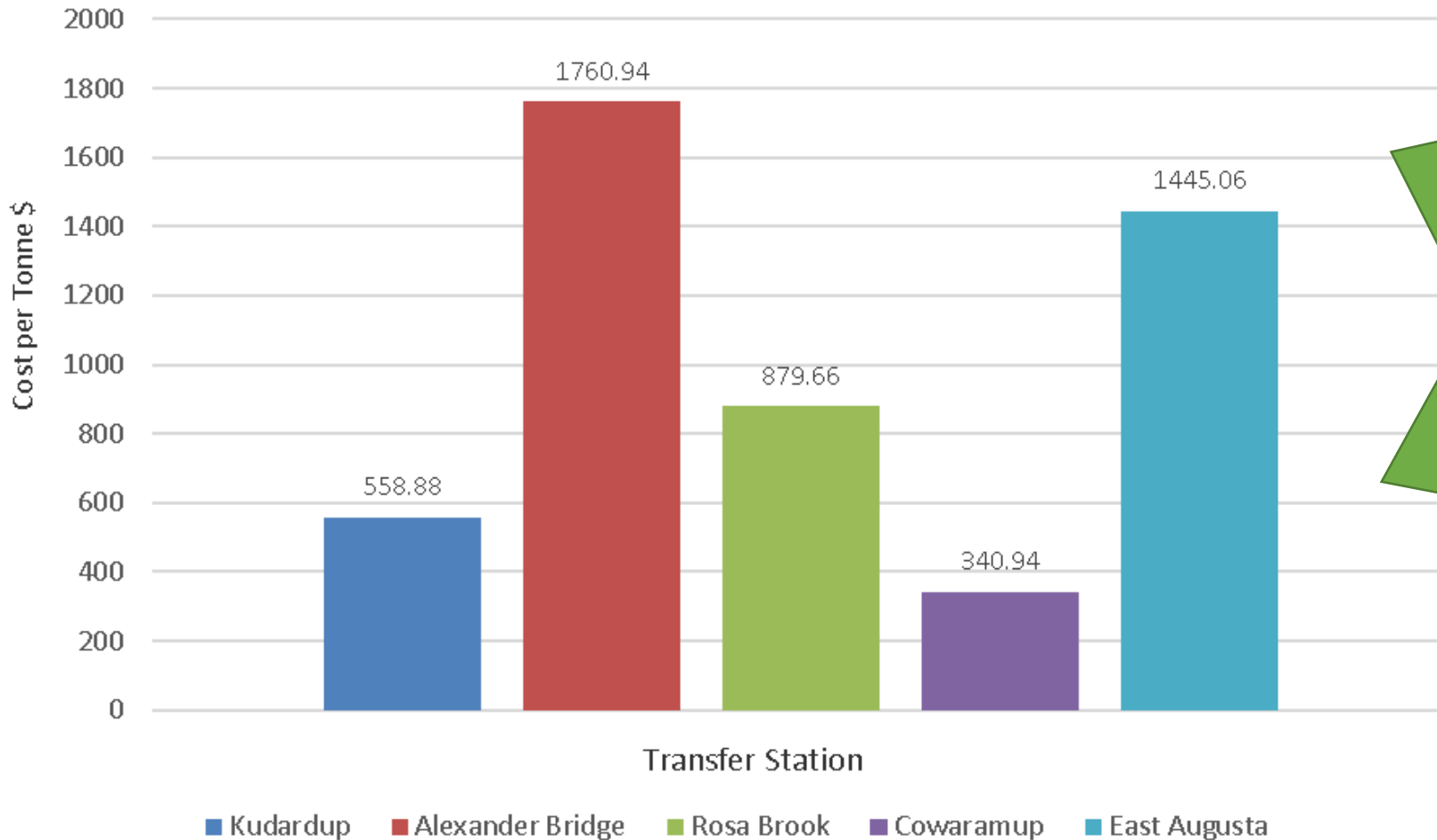


Expenditure



Transfer Station Analysis

AMR \$ Cost per Tonne by Transfer Station - Overheads Included



Transfer Stations = High cost for minimal value to the community

Two models

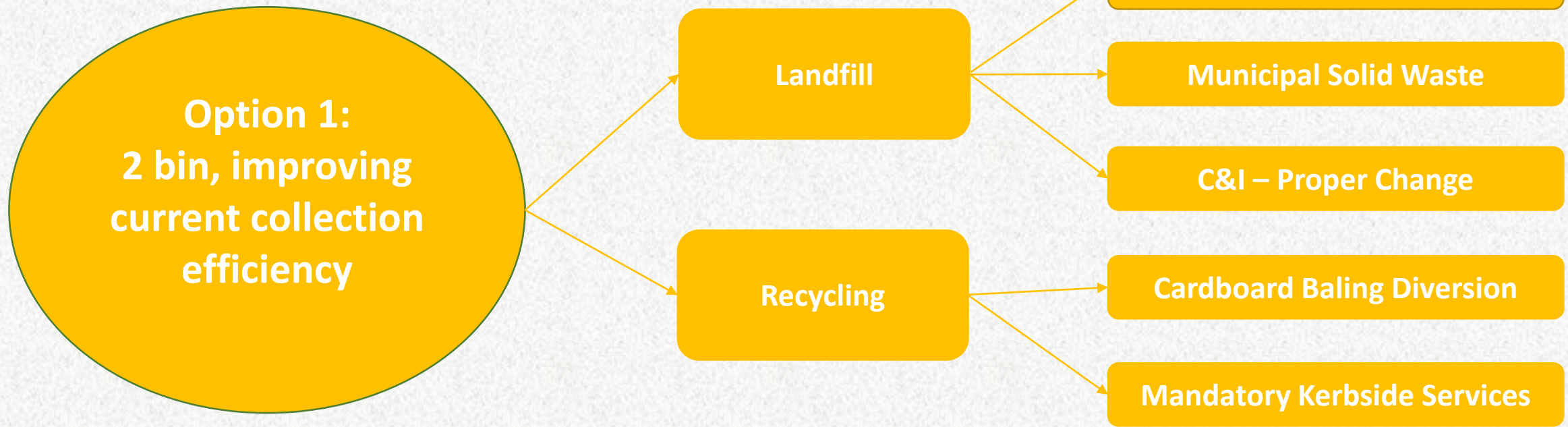
Two bin models developed:

1. 2 bin, improving current collection efficiency
2. 3 bin, FOGO (within and outside of Shire boundary)

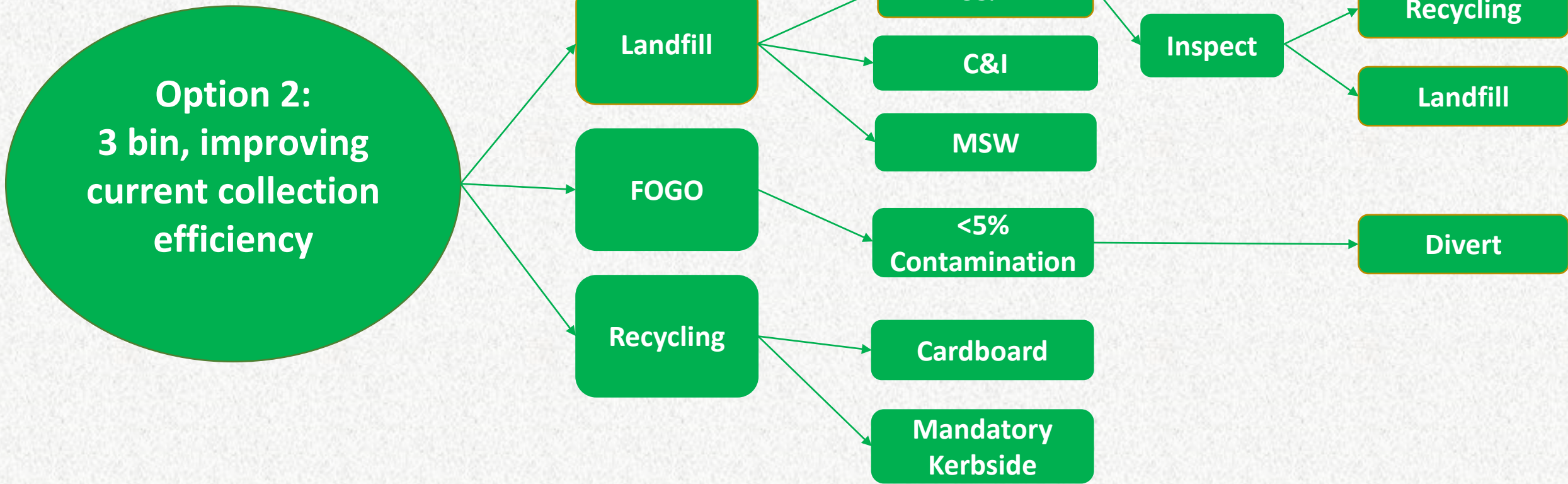
Key considerations:

- Date of Davis Rd closure - Transfer and transport out of Shire
- End use of Davis Road Site - Waste Transfer Station
- Preferred disposal locations for General Waste, FOGO & Recycling
- Transport considerations - Direct transport versus transfer and transport
- Community expectations, consultation and education





- **Continue as normal but with compulsory recycling from July 2019.**
- **Closure of Davis Rd Landfill - which becomes a WTS & Recycling Facility post closure.**
- **Waste diverted from Landfill can achieve 48%(est.)**
- **Funding is provided for closure and capping & funding for the WTS and Recycling Facility and Equipment.**
- **Waste Facility Maintenance Levy is removed and ceases after the closure of the Landfill**



- **Service includes compulsory recycling & FOGO (Food Organics / Garden Organics)**
- **Recognises the closure of Davis Rd Landfill and transition to Transfer Station**
- **Waste diverted from Landfill can achieve 75%(est.)**
- **Funding is provided for closure and Recycling Facility and Equipment.**
- **Waste Facility Maintenance Levy is removed and ceases after the closure of the Landfill**

Using the 20 year financial model



- Early gains in waste diversion will extend the life of the Davis Road landfill, postponing the expenditure related to closure.
- Into the future new technologies may emerge that offer reprocessing solutions for specific waste streams and products.
- The financial model will enable the Shire to assess the feasibility of any new options.
- Over time, depending on the new technologies and their feasibility, it may be possible to increase waste diversion rates even further.

Education

The practical action we need people to take: **Source separation to produce a clean waste stream with minimal contamination that enables maximum recovery.**

The introduction of the third bin, a FOGO bin, focuses community attention on food and organic waste that needs to be separated in the home, and placed in the FOGO bin for reprocessing into usable materials.

Framework for the Augusta Margaret River Waste Education Strategy

| | |
|-----------------|--|
| Purpose: | To provide a co-ordinated approach to waste and resource recovery education that supports best practice programs and reduces the amount of waste being landfilled in the Shire. |
| Vision: | The Shire of Augusta Margaret River is a well informed and proactive community who are invested in the protection of the natural environment of the region. The residents and business owners in the Augusta Margaret River Shire understand the importance of effective waste management and recovery of valuable resources |

5 Key Elements & Goals

Key Elements of the Waste Education Strategy

**REGIONAL
PARTNERSHIP AND
COUNCIL
COMMITMENT**

**SOURCE SEPARATION
AND RESOURCE
RECOVERY**

**WASTE
MINIMISATION AND
BEST PRACTICE
DISPOSAL /
RECOVERY**

**TOURIST AND
VISITOR
PARTICIPATION**

**COMMERCIAL AND
INDUSTRIAL
SOLUTIONS**

5 Year Strategic Goals / Objectives

Work collaboratively with council and regional partners to promote a consistent waste and resource recovery message.

To attain clean source separated waste streams through the correct use of the 3-bin FOGO system to achieve a 70% recovery rate.

Increase community awareness of waste issues within the region and provide support to encourage waste reduction initiatives.

Encourage responsibility for waste reduction and resource recovery within the tourism sector.

Support the commercial and industrial sector through accessible resource recovery options and acknowledgement of best practice solutions.

Phases of the Education Strategy

Pre-Launch (November 18 to February 19)

Campaign Launch (March to July 20)

3 bin system goes live - 1 July 2019

Post Roll-out (1 July to 31 December 2019)

Launch Love Food, Hate Waste

Complementary Projects and Maintenance (January 19 to December 23)



Measurement

Key Elements of the Waste Education Strategy

| | | | | |
|--|--|--|--|--|
| REGIONAL PARTNERSHIP AND COUNCIL COMMITMENT | SOURCE SEPARATION AND RESOURCE RECOVERY | WASTE MINIMISATION AND BEST PRACTICE DISPOSAL / RESOURCE RECOVERY | TOURIST AND VISITOR PARTICIPATION | COMMERCIAL AND INDUSTRIAL SOLUTIONS |
|--|--|--|--|--|

Measurements

| | | | | |
|--|---|--|--|---|
| Success in rolling out a regional collaboration | Targets achieved | Community awareness of waste issues is high | Low levels of contamination in waste bins | Increased recovery in the commercial sector |
| Cost savings achieved through joint ventures | Low Contamination across all streams | reduction in illegal dumping | Reduced waste bins at events | Community expectation of sustainable business practice is high |
| Councillor expectations are met | Community perception of services is positive | Waste to landfill is reduced | Less waste bins and increased recovery bins at events | Consumers support businesses that are following sustainable practices. |

A white dog, possibly a Weimaraner, is sitting in a field of tall, golden-brown grass. The background shows a sunset sky with soft, warm light. A white speech bubble with a black outline is positioned in the upper left, containing the text 'Summary of Recommendations'. The image is watermarked with 'iStock by Getty Images' in several locations.

Summary of Recommendations

From July 2019, the Shire will introduce a compulsory new collections system with 3 bins:

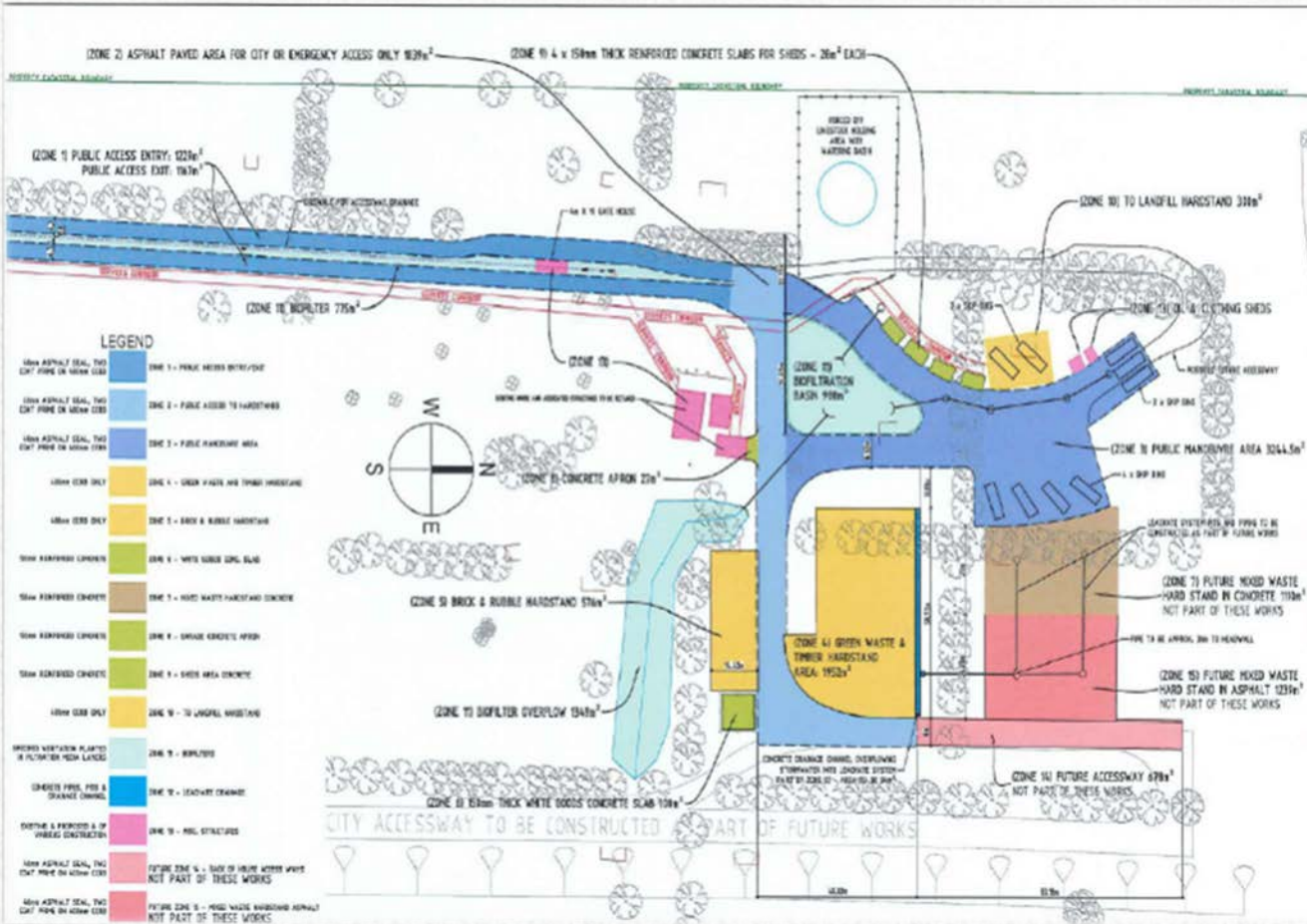
- **A 240 litre bin for recyclables collected fortnightly;**
- **A 240 litre bin for food and organic waste (FOGO) collected weekly; and**
- **A 140 litre general waste bin for any remaining waste collected fortnightly. It is the waste from this bin only that will be transported to landfill.**



The Shire will progressively transition the layout and facilities at the Davis Road site to a Waste Transfer and Recycling Centre to allow better separation of waste streams:



- Recyclable material – glass, plastics, metals, cardboard
- Green waste – residential and commercial from prunings and clearing
- Hazardous and problematic waste – tyres, oil, car bodies and parts, polystyrene, paint and batteries.
- General waste. It is this general waste material that will be transported to landfill.



For commercial, construction & demolition waste; the Shire will promote greater segregation of this waste stream and will increase gate fees for unsegregated loads



To trial closure of the waste transfer stations at Alexandra Bridge and Rosa Brook simultaneously increase kerbside collections in these areas

Strong branding and extensive education will be undertaken to encourage everyone to separate waste materials into three categories, organics, recyclables and general waste.

- Distinguishable from corporate
- Branding highly recognizable
- Clear messages and graphics

Introduced by Shellharbour City Council (accessed at <http://shellharbourwaste.com.au/>)



The Shire's aim is to produce clean waste streams with less than 2-3% of contamination. Low contamination levels will support recovery of all reusable materials, particularly organics, and minimise waste to landfill.



The Shire will introduce complementary programs to encourage waste reduction.



- Food waste reduction
- Sustainable business programs
- Contamination awareness
- Ratepayer feedback
- Community education



What next

- **Council consideration – 24 Oct 18**
- **Develop and implement education campaign**
- **Tender for new Waste Collection Contracts (FOGO & Mandatory Recycling)**
- **Seek Waste Authority Better Bins program funding**
- **Determine FOGO contamination management – prior to budget process**
- **Incorporate changes into 2019/20 budget**
- **Roll out of new systems July 2019**



Questions?