

**West's Road RDF & Waste Management  
Community Reference Group  
AOC  
25<sup>th</sup> Meeting  
Accepted Notes  
31 August 2017  
Conference Rooms C & D**

**Present:**

Cr Tony Hooper	- Councillor (Harrison Ward), Wyndham City Council
Cr Walter Villagonzalo	- Councillor (Chaffey Ward), Wyndham City Council
Harry Van Moorst	- Environment group representative (WREC)
Julian Menegazzo	- Adjoining landowner representative
Karen Hucker	- Community representative
Jacqui Scott	- Community representative
Kimi Pellois	- Community representative
Lisa Field	- Community representative
Caroline Lavoie	- Community representative
Michelle Lee	- Planner, Metropolitan Waste and Resource Recovery Group (MWRRG)
Simon Clay	- Manager Refuse Disposal Facility, Wyndham City Council
Liza McColl	- Business Analyst Refuse Disposal Facility, Wyndham City Council
Bruce Turner	- Independent Chair

**Visitors:**

Hayley Jarvis	- Team Leader Waste Strategy, Wyndham City Council
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**Apologies/ absent:**

Cr Peter Maynard	- Councillor (Iramoo Ward), Wyndham City Council
Peter Haddow	- Community representative
Stephen Thorpe	- Director City Operations, Wyndham City Council
Lindsay Swinden	- Community representative

The meeting commenced at 4.30 pm. No conflicts of interest were declared

**1. Welcome and Introductions**

Bruce welcomed members to the meeting. This was Caroline Lavoie's first CRG meeting, after being appointed as a new community representative in the recent Expression of Interest process. Caroline introduced herself to the group.

**2. Notes and actions from the previous meeting**

The notes from the 24<sup>th</sup> meeting, circulated prior to the meeting, were accepted and will be published on the Council's website.

An 'action tracker' document with the status of outstanding actions from previous meetings was handed out. Bruce ran through outstanding actions:

ONGOING ACTIONS – FROM MEETINGS PRIOR TO 29 JUNE 2017		
Action M17–7.1	<i>Provide data on recycling from the transfer station</i>	Not completed. Report not yet finalised. Officers currently working on Performance Dashboard arrangement to be discussed at Agenda Item 9.
Action M18-6.2	<i>Circulate the auditor’s report on the phytocap trial when it becomes available</i>	Design progressing. Report to be circulated in approximately 3-4 weeks. Refer below for further discussion and action on this item.
Action M19-5.1	<i>Circulate a copy of the Wyndham Vale Buffer Study and ESO to the CRG members</i>	Buffer Study circulated. ESO not yet available for public circulation.
Action M23-3.2	<i>Council to investigate the status of the Road Reserve along the NE corner of the site.</i>	The Road Reserve is a Government Road. Refer below for further discussion on this item.
Action M23-3.5:	<i>Council to look at the opportunity to use locally indigenous species, for educational purposes, eg at the entrance to the RDF.</i>	Progressing. Revised landscape plans received and currently with Council’s Tree Planner for review.
Action M23-3.7	<i>Simon to distribute a copy of Council’s response to the EPA S22 notices to the CRG members.</i>	Completed. Copy of Council’s response distributed to CRG members via email and fileshare on 18 July 2017.
Action M23-5.1	<i>The Residual Procurement Initiative to be made a standing item on the Agenda and the Manager of the Residual Procurement Project to be invited to a future CRG meeting.</i>	Refer Agenda Item 3b. Project Manager not attending the meeting tonight. Michelle Lee to provide update.
Action M23-7.2	<i>Simon to provide a report on work underway to address/respond to the Audit Report findings.</i>	Report to be given at the October CRG meeting.
NEW ACTIONS FROM LAST MEETING – 29 JUNE 2017		
Action M24-2.1	<i>Simon to ask the design consultant of the phytocap to pay specific attention to the potential failure of the phytocap and the necessary precautionary measures.</i>	Design progressing. Report to be circulated in approximately 3-4 weeks.
Action M24-2.2	<i>Harry and Simon to meet to discuss the Audit Report to identify what might be brought to the next meeting for discussion.</i>	Simon and Harry were scheduled to meet on 9 <sup>th</sup> August 2017. Harry cancelled meeting due to other time commitments and questioned the value of the meeting given many of the issues that Harry has appear to be more a matter of a difference of opinion.
Action M24-3.1	<i>Council officers to be invited to present an update on the achievement of performance targets in Wyndham’s Environmental Strategies at the August CRG meeting.</i>	Refer Agenda item 3a. Council officers are attending today’s meeting.
Action M24-3.2	<i>Council to provide the CRG with an update on the status and timeline for the redevelopment of the Transfer Station.</i>	Deferred. Transfer Station Redevelopment Plan needs to be reconsidered. Refer additional discussion and explanation below.
Action M24-3.3	<i>Council to identify the implications of the loss of the tip vouchers on the Transfer Station and whether there are</i>	There will be an opportunity to discuss this matter in Agenda item 3a at tonight’s meeting.

	<i>any alternatives to only charge for the waste going to landfill.</i>	
Action M24-4.1	<i>Liza to send CRG members the link to the Victorian Planning Authority website, which contains more information about the Precinct Structure Planning process.</i>	Completed. Details sent to CRG members on 31 August 2017.
Action M24-5.1	<i>Simon to distribute a copy of Council's response to EPA S22 notices to the CRG members.</i>	Completed – same action as M23-3.7. Copy of Council's response distributed to CRG members via email and fileshare on 18 July 2017.
Action M24-5.2	<i>Council to invite Lend Lease to a future meeting of the CRG to discuss how best to represent the interests of future residents of the Harpley Estate in the CRG process (and wider community engagement).</i>	Not completed. Matter is yet to be discussed with Lend Lease.
Action M24-5.3	<i>Council to pursue opportunities for screen planting along the Princes Freeway (in the road reserve in collaboration with VicRoads and/or on private land) to improve the view from the freeway.</i>	Council has established a contact with VicRoads. VicRoads are supportive on further planting on the Princes Freeway Road Reserve. Council would have to pay for landscaping works and ongoing maintenance. To progress, Council would have to prepare a planting design in accordance with VicRoads Landscape Guidelines and Standards for approval by VicRoads. Tree planting will not be supported in areas without wire or metal barriers. Large shrub planting would be permitted.
Action M24-6.1	<i>Council to outline the 'process' for development of a long-term plan for the rehabilitation/ future use of the site at the next meeting.</i>	Deferred until an appropriate time. Council officers believe that this action is considered premature at the current time.
Action M24-6.2	<i>Karen to email details of the upcoming forum on the Eden project to all CRG members.</i>	Completed. Karen distributed information to all CRG members on 4 July 2017. Refer Agenda item 1- Karen may like to provide the group with feedback about the event.
Action M24-7.1	<i>Simon to keep the CRG informed of the 'RDF Artist-in-Residence Program'.</i>	Program progressing. Nothing to report this meeting. CRG members requested images when available.
Action M24-7.2	<i>Liza to fix the labelling error in the Commercial Recyclable Audit pie chart (in the report provided at the meeting).</i>	Completed. Corrected report was issued with the meeting notes on 15 August 2017.

Regarding **Action M23-3.2**, it was clarified a large amount of landscaping/tree planting is currently located in the unconstructed government road reserve located along the western boundary of the site and that there was a risk that these trees could be removed if the road was constructed. There was a discussion about whether council should apply to the Crown to discontinue this road reserve to protect the trees in the long term. Liza advised that the long-term future of the government road is something that the Victorian Planning Authority will consider as part of the Werribee Junction Precinct Structure Planning (PSP) process which has recently commenced. It would be best for Council to address the status and need for this road and how to best protect the landscaping buffer provided by the trees in the reserve as part of the PSP process.

Regarding **Action Item M18-6.2**, Simon apologised that the phytocap report was not available at this meeting, as hoped. We are expecting the final draft design documents in the next few days. Simon explained that the design documents then need to be submitted to the auditor and then sent to the EPA for approval.

*Action M25-2.1 Simon to distribute Phytocap Design Reports to CRG committee members for comment before it goes to the auditor. Simon to provide auditor with CRG's comments for consideration, including Harry's request for further information about contingencies for a cap failure.*

Regarding **Action Item M24-3.2**, Simon advised that due to the current workload, he has not had time to look at the transfer station redevelopment. The decision about the location of the transfer station needs to be reconsidered given the longer-term aspiration of having alternative waste technologies. Simon plans to look at layout and flow of the existing facility in the next two years. Simon noted that work has been done with existing staff to require them to do better inspections and maximise resource recovery and separation. Harry expressed support for the deferral and need to look at alternative locations for the transfer station and the resale shop. There was a discussion about the fact that people are currently charged on volume unless they have a trailer full of recycled materials. The group were keen to discuss whether there were any potential operational changes to the existing facility that could improve the amount of materials recycled. Eg – recycling pricing policy to only charge for waste.

### **3. Strategic waste management and resource recovery**

#### **a. Wyndham Waste and Litter Strategy**

Hayley Jarvis, Team Leader Waste Strategy at Wyndham City Council attended the meeting and gave a presentation on the current status of implementation of the Wyndham Waste and Litter Strategy (WLLS). Copy of presentation attached. The WLLS is available on Council's website.

The Strategy was adopted in May 2016. The targets are monitored each year. The short-term targets are reviewed and updated every four years.

There was a question about how council measures the landfill gas target. Hayley advised that it is measured using a formula set by the Commonwealth government and now includes a meter on site to improve accuracy of data.

Michelle Lee noted that the MWRRG have developed a Sustainable Catering Policy to try and reduce food waste.

The strategy proposes that existing bin lids be replaced to ensure they are in line with the Australian Bin Lid Standard. It is most likely that the bin lids will be replaced as a requirement of the new kerbside collection contract, commencing in 2019.

Council is also looking at options for charging by weight and/or by 'lift' (load) in the new kerbside collection contract. The technology exists to introduce this. Pay by lift may be able to reduce the ability and issue of people putting their waste in other people's bins. Pay by lift may mean a change bin sizes is needed. The group had a discussion about user pays models and while there was general support for the principle it was agreed that this would need to be looked at carefully. Harry noted that not everyone can afford to pay.

Caroline noted that in Nova Scotia, Canada all waste goes out in clear bags and the collector inspects all bags and contaminated waste is refused. Hayley noted that about 2,500 letters were sent last year to residents with contaminated waste. Contamination is detected by the drivers of the truck using cameras. Green waste is the easiest to detect.

There was a discussion about whether the new contract would recycle soft plastics. Harry noted the trials being undertaken by other councils (Boroondara, Cardinia, Hobsons Bay and Nillumbik) to consolidate flexible plastics in a designated collection bag for disposal in their kerbside recycling bins. Harry felt that Council should take a leading role to recycle soft plastics and should provide a place for people to bring or collect soft plastics. Simon advised that Council currently doesn't have a market for soft plastics but that this could be looked at as part of the redevelopment of the transfer station. Hayley noted that Council's intervention with plastic bags has been about trying to get people to not use them in the first place. Council is currently working with traders in Watton Street, Werribee on a plastic bag ban trial.

Jacqui noted that Kitty Litter currently goes to landfill and asked whether there was a more environmentally sustainable way to dispose of this product. Karen noted that it would not be appropriate to recycle with organics due to the animal waste products. Hayley said she would look into this.

*M25-3.1 Liza to circulate a copy of the presentation that was given at the meeting, on the status of the Wyndham Waste and Litter Strategy to CRG members.*

#### **b. Collaborative Residual Procurement Project Update – Michelle Lee**

Michelle advised that the MWRRG are continuing the initial consultation with local government and setting up a Working Group of interested councils. Community consultation is to be undertaken as the next stage of the project.

#### **4. Strategic planning context**

Nothing to report.

#### **5. EPA Works Approval Application**

EPA's decision on the works approval application expected in mid- to late- September. Council has received and responded to a third S22 notice from EPA requesting an updated contour plan, updated premises plan, further information on the slope stability and storm water management during construction and a response to the submission from the Western Region Environment Centre (WREC). A second community information session was convened by EPA in the previous week.

Harry advised that community/submitters have a couple more days to lodge further submissions to EPA and noted his disappointment with the response to the WREC submission.

*M25-5.1 Liza to circulate Council's response to the WREC submission to CRG members.*

#### **6. Waste baling concept**

Simon advised that Council is in the early stage of evaluating the potential for baling waste destined for landfill. This would appear to have a number of environmental benefits (reduced litter, odour, noise, access to waste by birds). Waste could be received inside a large shed with associated amenity benefits.

Pre-sorting facilities to recover materials from the incoming waste (metals – ferrous and non-ferrous, cardboard, organics if feasible). Transport of baled waste to landfill during day time hours. It would incur additional cost which needs to be considered and evaluated. Baled waste still produces landfill gas and a landfill gas system is still required.

Simon showed two videos of a waste baling facility in operation overseas. These two video links have since been removed from YouTube. A current video of baling is available at <https://www.youtube.com/watch?v=4gxgDMqBQrQ>. Images of baling are also available at <http://www.macpresse.com/en>

There were concerns about the amount of plastic used to wrap the bales. Simon noted that 1.5 kg of plastic wrap is used for 2 tonnes for every 2 tonnes of waste. Plastic and metal ties can also be used to wrap the waste but will be less effective in containing the waste and reducing the potential of litter escaping from the bale.

Harry noted that he would be interested in the technical reports on existing landfills currently using this technology/process. Harry noted that it needs to be balanced against alternative waste management strategies (to reduce the amount of waste going to landfill) and should only be considered as part of a suite of alternative waste options.

Julian was supportive of the baling concept and said that it was the most exciting thing he had heard about in relation to the RDF in years.

## **7. Composting trial**

Simon advised that Council has been approached about the possibility of providing a location at the RDF to undertake a composting trial of a residue from treatment of street sweeping waste. Input from the CRG was sought in determining a response to this proposal. Key considerations are:

- The material has an elevated Total Petroleum Hydrocarbon (TPH) content making it a Category C prescribed industrial waste (PIW) under the EPA classification
- The RDF site is not licenced to accept Category C PIW for landfilling
- The theoretical basis for the trial is that the TPH content will be degraded (broken down) during the composting process
- The trial would need EPA Research and Development Approval.
- The trial would be separate to the Veolia Green waste that currently operates at the RDF. Veolia composting is currently in vessels.
- If the trial does not proceed, the street sweepings will just continue to go to another landfill currently licenced to accept Category C waste. All costs associated with the trial would be borne by the company running the trial. Council would just be providing the land for the trial.

The composting trial would consist of:

- 2 trials each of 3 months duration
- Composting on a constructed pad
- Open windrow process. The scale of the trial would be about 3 windrows 100m long x 5m wide x 2 metres high.
- Incorporating the residue material with shredded green waste at approx. 12-20% ratio
- Total throughput of 300-500 tonnes per month

CRG members had concerns about the odour, due to the need to regularly turn the compost and the open windrows.

Julian was concerned about bio-aerosols, potentially causing asthma and other health problems. Julian suggested that bio-aerosols could travel 5-6 kilometres, and reach residential areas of Werribee with a south-west breeze.

Overall, there was general interest in the trial as a potential means of reducing the amount of waste going to landfill, but only if there was the ability and requirement under any approval to strictly monitor the potential health impacts. Simon will need to take a closer look at the potential risk to health within the urban growth boundary. Cr Villagonzalo expressed support for the trial.

*M25-7.1 Simon to consider CRG's feedback in further consideration of the composting trial at the RDF and consult further with the CRG about any decisions on whether to agree to the trial/ EPA R&D approval application.*

*M25-7.2 If the composting trial proceeds at the RDF, CRG members to be given opportunity to review R&D application before it is submitted to EPA.*

## **8. Recycling of mattresses and hard waste into Processed Engineered Fuel.**

Simon sought the views of the CRG in relation to the reprocessing of mattresses and hard waste for which he had received two tenders. One involved the processing of these wastes into a product called processed engineered fuel, to be used overseas to fuel cement kilns. The diversion rate for this process is stated to be 100% which compares to 75% diversion for an alternative process involving use of the waste to make carpet underlay. Karen suggested it could be possible to use both processes with the residual from the carpet underlay production diverted into fuel production.

The CRG members were generally supportive of the reprocessing of mattresses at the RDF into processed engineered fuel. They were less supportive of the reprocessing of hard waste items because they felt that some of these items could be reused in the first instance and didn't like the idea of all hard waste just being converted into a fuel source.

## **9. RDF Update**

### **a. 'Hot Spot' temperature probe results**

July problem results showed a continued decrease in temperature, but continued injections of leachate are required/recommended. Temperature will be retested in late September/early October. The full gas extraction system has not been reconnected in this cell.

### **b. Performance dashboard**

Simon handed out the regular performance dashboard report with graphs of the year to date cumulative incoming tonnage and landfill gas capture (refer attached). The report did not contain any information about complaints and non-compliances on this occasion due to the time constraints to compile this information.

Harry requested to see the incoming data month-to-month, rather than cumulative to be able to look at seasonal variations.

Liza showed a short video of the PowerBI performance dashboard product that council are currently working on setting up, to provide the CRG members with improved access to performance management data. The link to the video shown at the meeting is <https://powerbi.microsoft.com/en-us/what-is-power-bi/>

*M25.9.1 Liza/Simon to include a graph that shows tonnage by month in future performance dashboard reports.*

**c. EPA Compliance Summary (landfill gas, daily odour, leachate)**

Simon advised that the RDF continues to have a monthly non-compliance issue with the licence in relation Cell 4a and leachate. The construction of the new leachate pond is complete and Council is currently awaiting the auditor's report to submit to EPA for approval to be able to commission to the pond.

**10. Members' Report**

Karen informed the group that the Australian Waste Expo is being held on the 11 and 12 October 2017 and that it includes a good free seminar series. Information about the expo is available online.

Lisa Field informed the group that a number of members of Transition Wyndham were interested in a tour of the RDF and that Liza had put her into contact with Council's Environment Community Engagement Officer to discuss this further.

**11. Other business**

No other business items discussed.

**Next meeting**

The next meeting is at 4.30 – 7.00 pm on Thursday 19 October 2017.

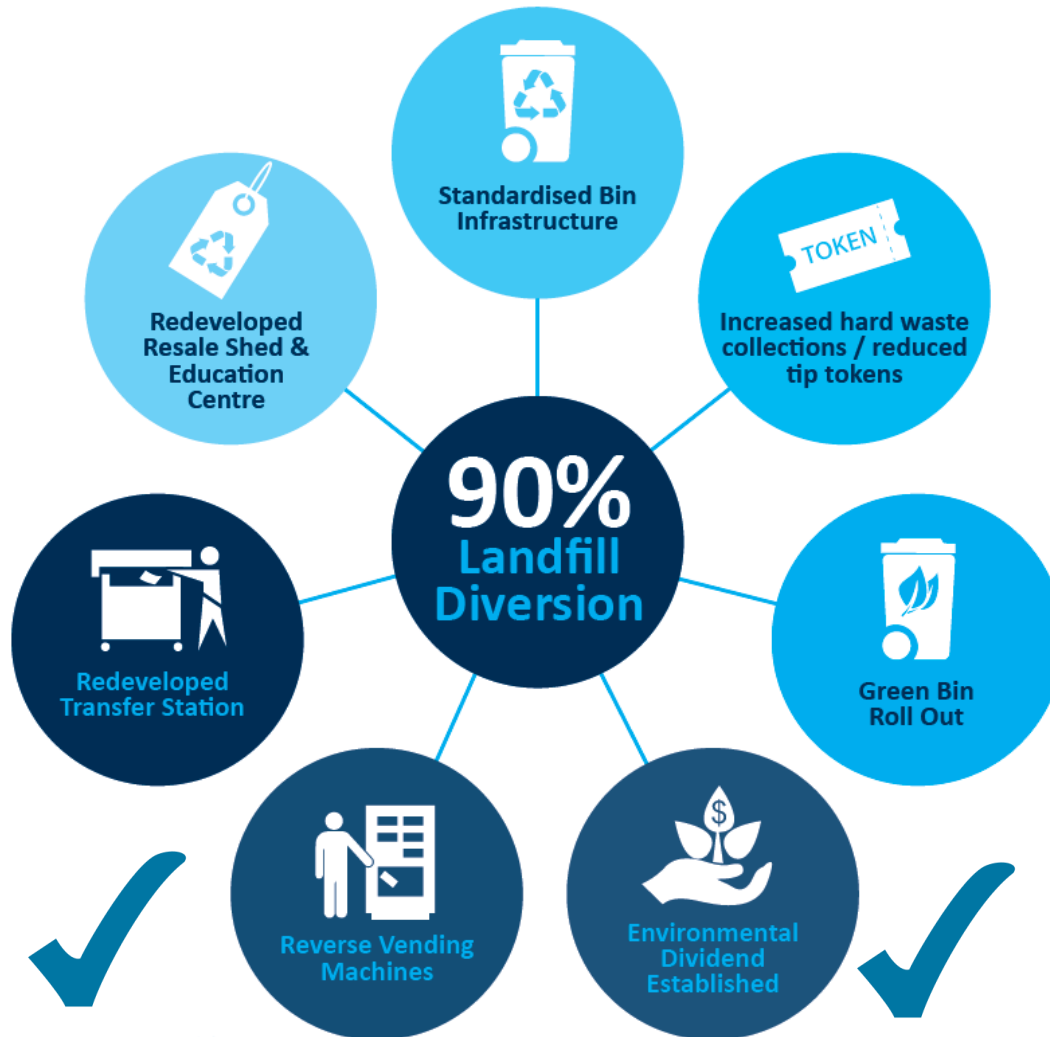




# Waste & Litter Strategy 2016-2040

Year 1 Reporting – RDF Community Reference Group

# Key Objectives



# Reverse Vending Machines



- 4 machines installed
  - AquaPulse
  - Eagle Stadium
  - Point Cook Town Centre
  - Hoppers Crossing Shopping Centre (Aug)
- 21,000+ containers collected
- 3000+ comp entries
- 1000+ donations to CUA
- Media coverage

# Environmental Dividend Policy

- Policy adopted by Council in March
- Portion of landfill profits back into environmental projects
- Accruing money in 17/18
- Integrates with Council's new Project Management Framework



# Targets - RDF

Topic	2020 Targets	2040 Targets
Refuse Disposal Facility	<ul style="list-style-type: none"><li>Newly developed and operational Transfer Station</li><li>Increase in collected recycled materials from the Transfer Station by 15% (from 2015 baseline data)</li><li>75% of landfill gas generated at the RDF is captured for renewable energy generation and flaring</li></ul>	<ul style="list-style-type: none"><li>Newly developed and operational Resale Shed &amp; Education Centre established</li><li>Waste pre-sorting technology and/or other feasible alternative waste treatment technologies maximising resource/energy recovery established at the RDF</li></ul>

- Business case being developed for Waste to Energy at the RDF
- Captured 75% of the landfill gas generated
- Increases in collected materials at the Transfer Station

# Targets – Waste & Recycling Services

Topic	2020 Targets	2040 Targets
Waste and Recycling Services	<ul style="list-style-type: none"><li>Contamination rates in residential recycling bins to be under 15% (average of audited sample)</li><li>Contamination rates in residential green waste bins to be under 3% (average of audited sample)</li><li>Uptake of green waste bins to 35% of resident base</li><li>25% of Hard Waste Materials to be diverted from landfill</li><li>Have Australian Standard bin infrastructure (lids &amp; size)</li></ul>	<ul style="list-style-type: none"><li>Landfill diversion rate of 90% (recyclables, green organics, hard waste and drop off materials)</li><li>Uptake of Green and/or food waste bins to 95% of resident base</li><li>Household yield of garbage collected reduced by 50%</li></ul>

- Recycling contamination rates reduced to 15.98%
- Green contamination rates increased to 4% (fruit/veg)
- Green bin uptake increased to 31%
- Diversion rate increased to 37.1%
- Household garbage yield decreased to 576kg

# Targets – Council Operational Waste

Topic	2020 Targets	2040 Targets
Council Operational Waste	<ul style="list-style-type: none"><li>• All sports buildings will have recycling facilities</li><li>• 30% of Civic Centre organic waste (by weight) diverted from landfill</li><li>• Contamination rates in the comingled, paper and cardboard recycling will be no higher than 5% at Civic Centre</li></ul>	<ul style="list-style-type: none"><li>• All Council facilities to have a landfill diversion rate of 95%</li><li>• No landfill waste to be generated at major Council events</li></ul>

- 48/55 sporting clubs have a recycling service
- 4% reduction in organic material in the waste stream
- Contamination rates at Civic Centre 1.5%
- Event education program commencing 17/18



# Targets – Litter & Illegal Dumping

Topic	2020 Targets	2040 Targets
Litter & Illegal Dumping	<ul style="list-style-type: none"><li>• Increase in number of community litter reports by 25% (from 2015 baseline)</li><li>• Develop baseline on infringements issued against dumping events by 2018</li><li>• More robust reporting and classification of littering data (e.g. separation of street sweeping, litter bins, dumping, roadside litter figures)</li><li>• Completion of an audit of all gross pollutant traps (GPT's) within the municipality, measuring the design, maintenance and source of litter for each outlet</li><li>• 25% reduction in litter at 15 regularly monitored locations including rural, urban, industrial, developing, waterways and coastal areas</li></ul>	<ul style="list-style-type: none"><li>• No incidents of illegal dumping in Wyndham</li><li>• 50% reduction in the total weight of collected litter (per capita)</li><li>• Customer Satisfaction Survey results to demonstrate increased satisfaction and importance around litter and illegal dumping</li><li>• Waterways and beaches to be free from litter</li><li>• Have functioning and well serviced litter abatement systems on all stormwater outlets across the municipality</li><li>• Use of the Local Litter Measurement Tool across all of Council</li></ul>



# Targets – Litter & Illegal Dumping Cont.

- 35% increase in litter reports (2722)
- Baseline established for litter infringements
- Gross Pollutant Trap audit completed
- Litter monitoring sites established
- Illegal dumping & litter weights have decreased
  - 1786 tonnes (baseline 1941 tonnes)
  - 16.4 kg per person (baseline 18kg)

# Next Steps

- Seeking Council decision around sequencing of Strategy outcomes
- RDF Strategic Plan review
- War on Waste (environment portfolio)
  - Plastic bags
  - Coffee cups
  - Organics
  - Textile waste
- Building site litter

