



Warragul Food Waste Survey Summary



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Process

Preliminary Work

- Received list of ~150 organizations
- Scheduled first appointments with small business
- Created Google Form Survey
- Mapped route and split up

Inside Team

- Walked around Warragul CBD
- Entered all visible food establishments
- Conducted google form survey and assessment or scheduled better time

Outside Team

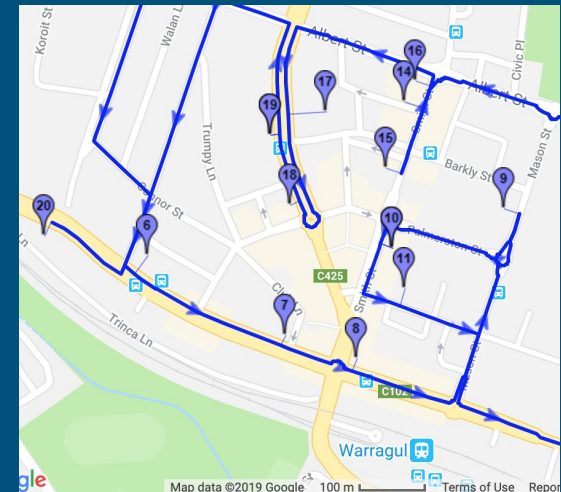
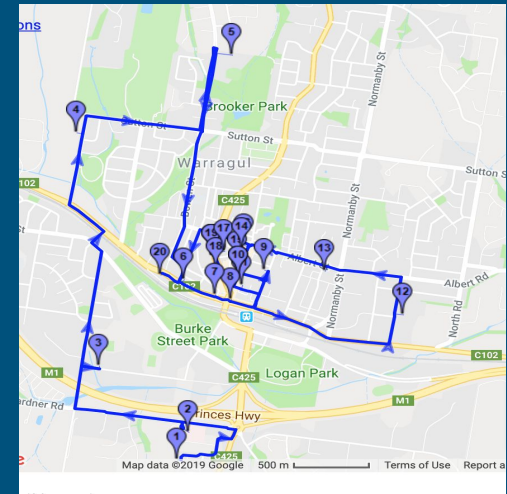
- Followed premade list of establishments outside of CBD
- Drove to the companies previously scoped out
- Conducted google form survey and assessment

Evaluation

- Analyzed survey data to ensure completeness and address any issues
- Conducted visual waste assessment based on food waste photos
- Wrote up preliminary report

Methodology Changes

- Car for greater mobility
- Route planners
 - RouteXL
 - Route Online
- Providing a simpler and more concise introduction to lower level employees



Survey Monkey Issues

- Could only submit survey once
- Some questions were ambiguous
- Some answers were not provided
 - Choices for specific questions were not reasonable
 - Example: Volume of waste bins
- Could not select more than one option for some questions
- No immediate access to the data for analysis

* 5. What size bin do you deposit food waste in the business?

- ☐ 10 gallon container ☐ 140 Litre
- ☐ 40 Litre ☐ 240 Litre
- ☐ 120 Litre

Other (please specify)

3. How many full time employees (on an equivalent bases) does your business employ?

- ☐ 0 - 9 ☐ 200 - 999
- ☐ 10 - 99 ☐ 1000+
- ☐ 100 - 199

Size of Facility in Square Metres/Number of Seats/Counter Service

Your answer

Number of Staff (EFTE) (Full Time)

Your answer

Final Data Analysis

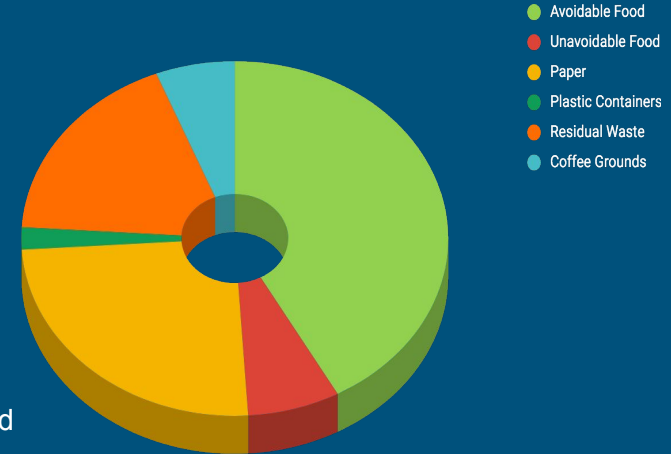
- Last day of survey
- Visual inspections of previous photographs
 - Rough estimates of waste percentages
- Compiled success rate
- Outlined report and started preliminary draft



Example of Food Waste Assessment Data

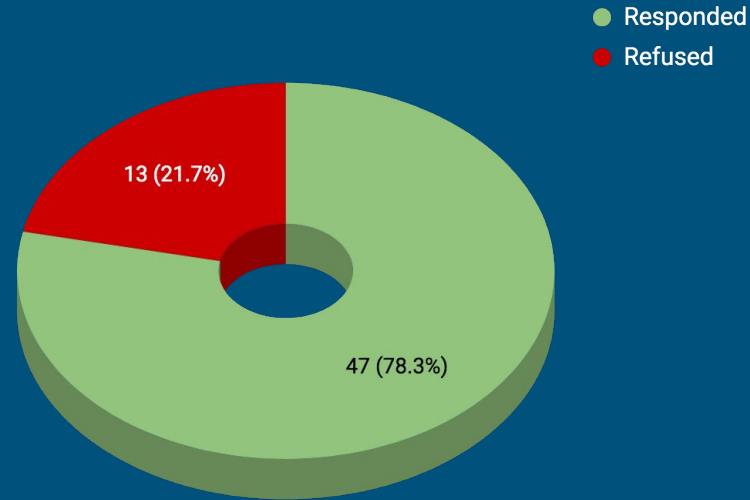
Earth Market Cafe

- Type: Café
- Size: N/a
- Types of Waste: General Waste, recycling, and paper/cardboard (6x general waste, 6x recycling, 1x 660L cardboard)
- Number of bins: 6
- Size of bins: 240 L
- Pick up: 1x per week
- Full at end of week: 100%
- Notes: Food waste in pig bins, not much food waste. Separate for recycling and cardboard. 12 bins shared by multiple companies (hairdresser, cafe, etc.)
- Waste Breakdown
 - 42% Avoidable Food
 - 7% Unavoidable Food
 - 25% Paper
 - 2% Plastic Containers
 - 18% Residual Waste
 - 6% Coffee Grounds



Final Results

- 78.3% hit rate
 - Very positive response from local businesses
- Reasons for refusal
 - Trash and recycling both going to landfill
 - Did not see a benefit from participating
 - Time constraints or manager not present
 - Need for prior appointments for larger organizations
 - Franchising rules
 - Not allowed to see the waste bins behind the counter
 - Language Barriers



Discoveries

- Very Sustainable Food Waste Practices
 - Perishables donated to charities, given to farmers/chickens/pigs, composted
 - Generally, more sustainable in smaller places, less sustainable in larger
 - More related to connections to farmers and focus on food
- Lots of enthusiasm towards the project from most of the surveyed companies
- Most companies would like different bins for recycling
 - Majority of the companies had paper/cardboard, but nothing for food waste
- Could benefit from educational campaign to disseminate information
 - Some are very good, some could use improvement

Going Forward

- Next Steps
 - Integrate data into ABBA data
 - Check out another community to determine if Warragul is representative
- Potential Changes for next time
 - Reach out to larger businesses the week before via phone or email
 - Work with local government to conduct assessment of franchises
 - Arrange sheet in terms of addresses to better map routes
 - Provide education to businesses afterwards
- Finding Value Added Processes
 - Commercial vs Social vs Environmental
 - Example: Coles vs Scato Plus providing compost to mushroom growers

Thank you,
Any Questions?

