PIMPAMA

PREMIUM WASTE & RECYCLING CENTRE

JOURNEY FROM TRADITIONAL TO STATE-OF-THE-ART

CITY OF GOLDCOAST.

ATC WILLIAMS



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OVERVIEW

The Gold Coast is:

- One of Australia's fastest-growing cities
- Home to 700,000 residents
- A 70-kilometre ribbon city
- Industries include construction and engineering, health, arts and culture, tourism



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JOURNEY OF CHANGE OVER PAST YEARS

- New Services
- New Facilities
- Facility Closures
- Create the Vision

HISTORY 1
JULY 2012 - JUNE 2016

Introduce:
- Opt-in kerbside green organics service (urban)
- Reedy Creek WRC
- Expand kerbside service to hinterland (phase 1)
- Public Place Recycling (PPR) to Surfers, Broadbeach, Southport
- High-rise recycling program
- GO bins for tenants
- Commercial Food Organics (CoFO) trial

Close:
- Suntown Landfill
- Wipe out waste program
- Maudsland, Miami and Pimpama WRCs

HISTORY 2
JULY 2016 - JUNE 2020

Introduce:
- Green Organics Drop and Go's for Pimpama and Merrimac
- New recycling streams for paint, charity items, household batteries
- ECOBIZ program for commercial customers
- Recycle Street at Helensvale, Merrimac, Reedy Creek and Molendinar WRCs
- Opt-in green organics service city-wide
- On-demand bulky kerbside service
- Expand kerbside service to hinterland (phase 2)
- Sustainability bundle bin set
- ASPIRE trading platform for businesses

Close:
- Helensvale Green Organics Drop and Go

HISTORY 3
JULY 2020 - JUNE 2024

Introduce:
- New recycling streams for furniture, e-Waste, construction and demolition waste and microwaves
- Eco Marines school program
- PPR Southern Oceanway expansion
- Green organics service expansion standard bin set
- Resource Recovery Services framework
- Plastic Free Places program for businesses
- MUDs trials for food organics and glass recycling

Close:
- Mudgeeraba WRC

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Recycle Street – Before and After

Before





After



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THE 10-YEAR VISION
Towards Zero Waste

The City's future network includes:

- Advanced Resource Recovery Centre
- Organics processing facilities
- Targeted collection services
- Commercial waste infrastructure
- Premium Waste & Recycling Centres

2025
Towards Zero Waste Plan

2025-28
New services, facilities and more waste and recycling education

2029
New waste and resource recovery plan

2030
Advanced Resource Recovery Centre



An integrated network delivers better outcomes

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FUTURE NETWORK ECOSYSTEM

Strategic locations to:

- Service a large geographic area
- Minimise travel distances
  – Northern, Central & Southern
- Remain accessible to residents
- Support future population growth

The right facilities in the right locations.



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CUSTOMERS AT THE CENTRE

Designing around the customer experience

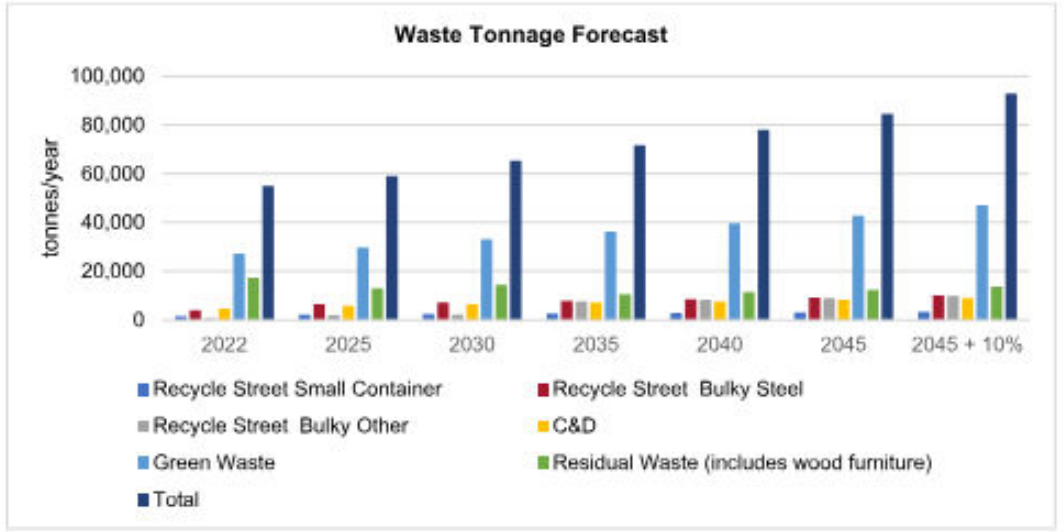
- Easy navigation
- Improved safety
- Self-service recycling
- Increased recovery opportunities

Good design influences behaviour.



Pimpama PWRC Facility Metrics

- 100% Diversion from Landfill
- 100,000 Tonnes per annum throughput
- B-Double design vehicle
- 240 vehicles per hour
- 12 Staff at peak times
- Stage 2 Project construction cost $40M



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STAGE 3 - FULL DEVELOPMENT PLAN





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STAGE 1 DELIVERED OUTCOMES









Achievements

- Green waste expansion
- Recycle Street
- Fire protection upgrades
- Operational improvements

Delivering immediate benefits while planning for the future.

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STAGE 2 DESIGN

Key Components

- New weighbridges
- Transfer station
- Hardstand areas
- Improved traffic flow
- New access arrangements



Designed for efficiency, safety and future growth.



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COLLABORATION DELIVERED BETTER OUTCOMES

An integrated project team



Shared knowledge delivered a stronger design outcome.

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DESIGN OPTIMISATION

Focus Areas

- Waste Management Hierarchy to Improve Recovery
- Traffic flow
- Safety
- Maintainability
- Operational efficiency
- Future flexibility





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MANAGING PROJECT RISKS

Key Challenges

- Existing services
- Communications infrastructure
- Ongoing site operations
- Construction staging
- Traffic interfaces

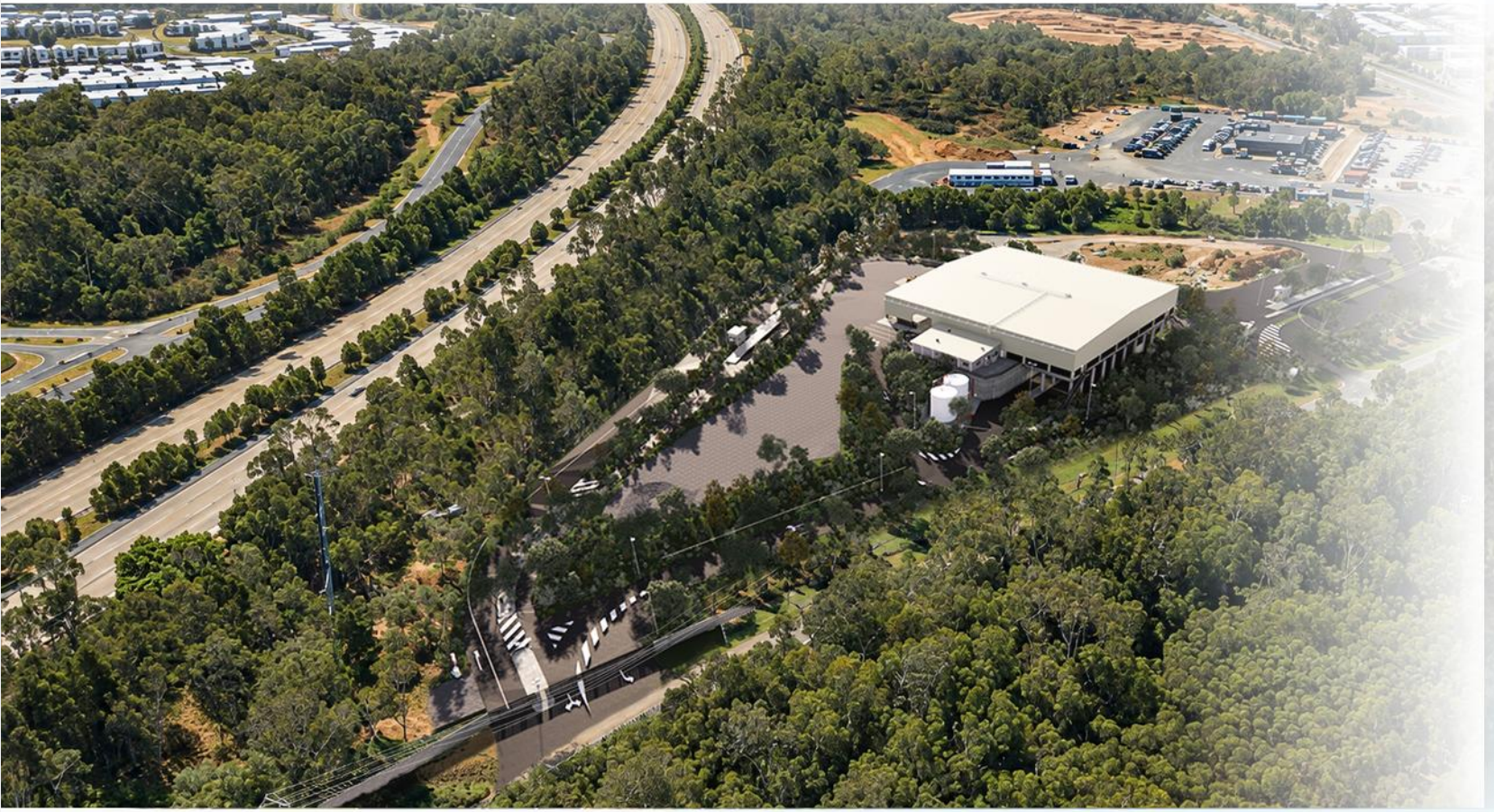
Early identification enables effective mitigation.



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STATE OF THE ART FUTURE



Three Key Takeaways

1. Start with a clear vision
2. Collaborate early and often
3. Design around the customer

Infrastructure designed for the next generation.