



ENERGY

**TOMORROW'S
SOLUTIONS TODAY**



ResourceCo



Where others
see waste;
*we see
opportunity.*

30

30 years
of experience
in resource
recovery



60 million
tonnes
of waste
recycled and
repurposed



1000+ workers
throughout
Australia



4.6million
tonnes of
waste per
annum



90% resource
recovery
Australia wide



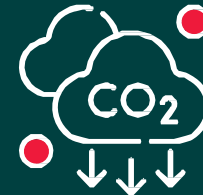
25+ recycling
plants
in Australia
and Asia



One of the
largest
contributors
to carbon
abatement
in Australia



ERF: One of the
first companies
to be registered
under federal
emissions
reduction fund



2.5 million
tonnes of
carbon
abatement



Recycling & Waste

Recycling construction & demolition waste into valuable products for the civil construction industry.



90% resource recovery

2M Tonnes construction waste recycled P/A

Geographically spread

Energy

Manufacturing an alternate fuel source that displaces the use of fossil fuels.



>90% Resource Recovery

Leading energy recovery & fuel production.

Over 2m tonnes PEF produced

Soil Reuse & Recycling

Capturing, recycling and reusing oils from significant infrastructure projects to create new products and bulk fill solutions.



80% resource recovery

5m cubic meters reused & recycled P/A

Real time material tracking with full chain of custody

Tyrecycle

Australia's largest and only nation-wide collector and recycler of end-of-life tyres.

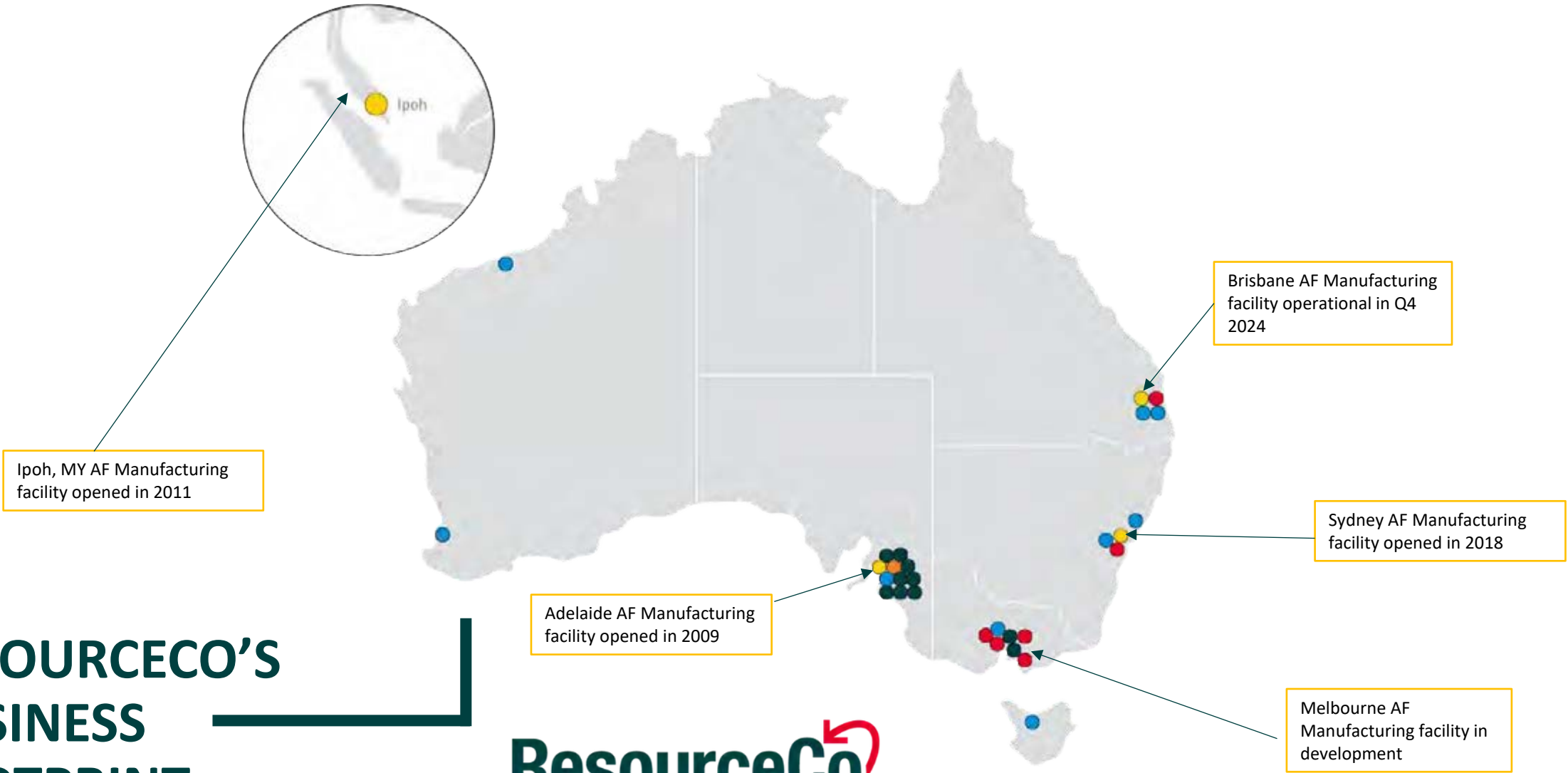


`17 million tyres recycled p/a

Nation-wide collection coverage

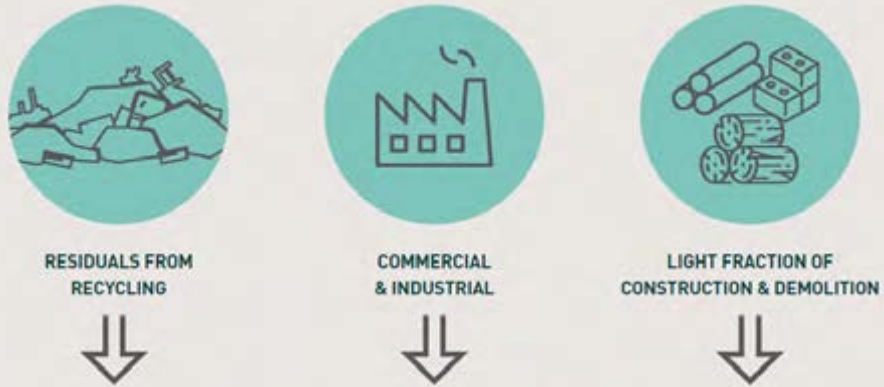
99% resource recovery rate

— RESOURCECO'S BUSINESS FOOTPRINT



PRODUCING PEF – NOT JUST GRINDING RUBBISH

SOURCING THE RIGHT WASTE & PRODUCING TO SPECIFICATION



ResourceCo



RAW MATERIAL

High energy content, non-recyclable waste materials (e.g. plastics, timber, textiles, paper).



PROCESSING

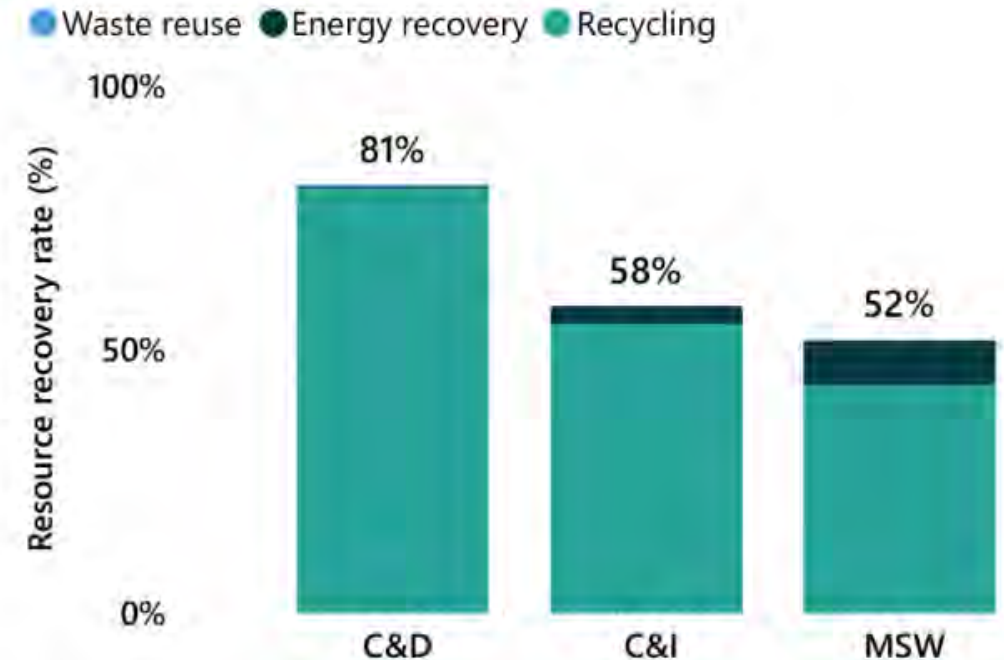
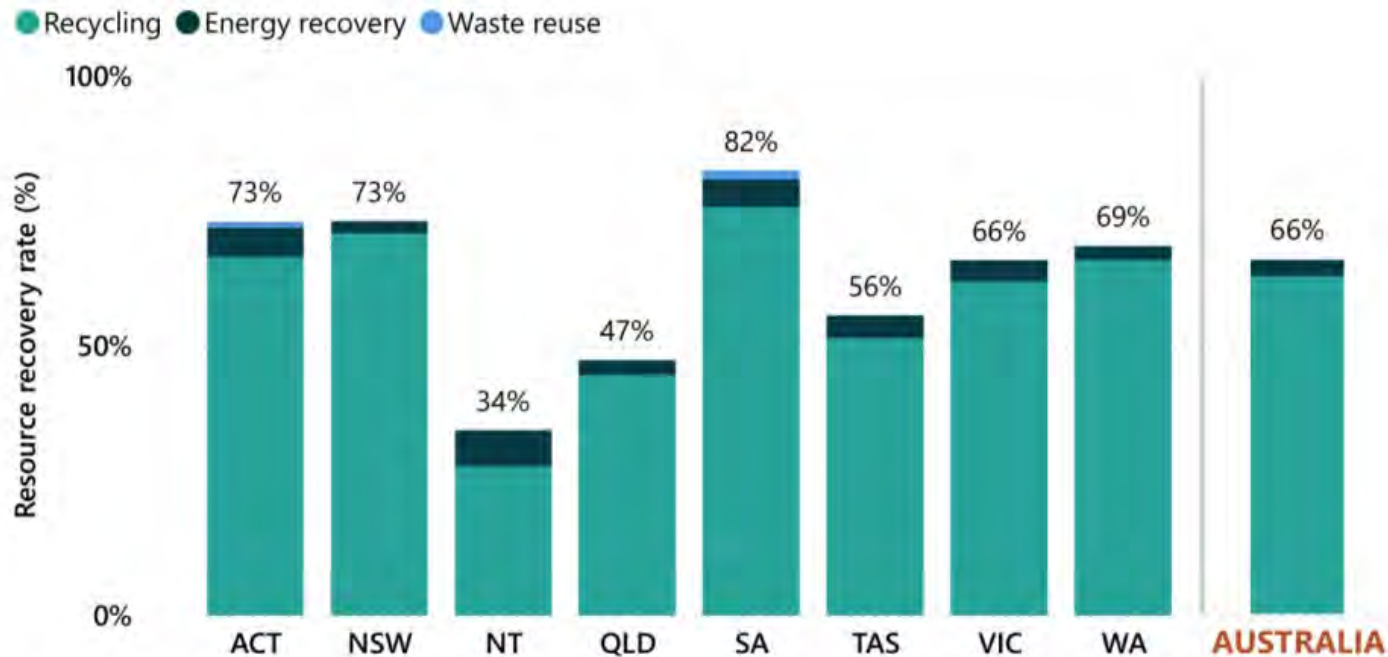
Sorting, shredding, blending using mechanical, pneumatic, and magnetic principles.



FINISHED PRODUCT

Process Engineered Fuel (PEF) for high energy users as a substitute for fossil fuels.

DIVERTING ADDITIONAL HOUSEHOLD WASTE FROM LANDFILL IS HARD



KEY COUNCIL DRY STREAMS



Council hard
rubbish/kerbside
collection



Council Resource
Recovery Facilities



MRF residuals

COUNCIL HARD RUBBISH

- The 2024 National Waste Report estimates annual council hard rubbish at 510kt
- Lots of broken furniture and timber that is landfilled
- Electronics, white goods, mattresses etc cannot be accepted at our fuel plants
- Requires either a separate truck or a transfer station for preliminary separation
- Achieves a significant landfill diversion



DIVERSION FROM LANDFILL FOR COUNCIL RESOURCE RECOVERY FACILITIES

Key issue is separation of pute from non-pute

ResourceCo audits of council-run transfer stations showed that positively separated material:

- waste was very well sorted,
- most recyclables removed and
- over 90% of the content was suitable for receipt at ResourceCo's RRF's for remanufacturing into a Process Engineered Fuel.

By removing, whole mattresses, large, un-shredded fabrics and carpet, any organic material (including food and garden organics) and glass from transfer station dry material, **we expect that 95% or more of this material will be diverted from landfill** and recycled or repurposed at our facilities.



SHREDDED MATTRESSES

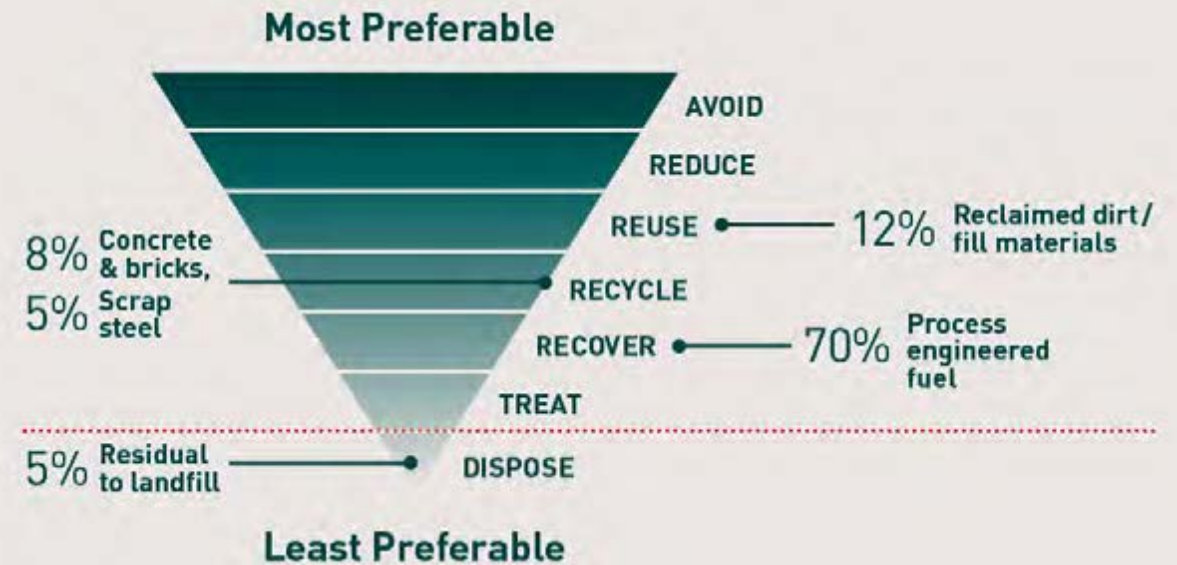
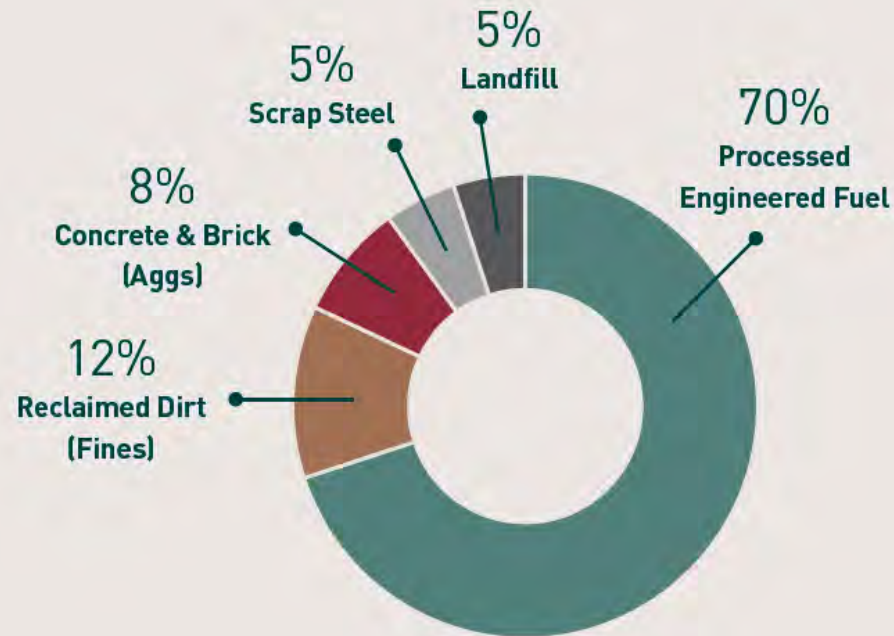
- ResourceCo's Wetherill Park RRF currently receives shredded mattresses from a number of councils.
- These are used to create Process Engineered Fuel (PEF), and more importantly diverted from landfill.





PARTNERS IN PROGRESS

A HIGH-QUALITY MANUFACTURED FUEL SITS BETWEEN RECYCLING AND DISPOSAL ON THE WASTE HIERARCHY



THE ALTERNATIVE FUEL PROCESS – A TRUE MATERIAL REUSE SOLUTION

- The combustible material is then processed for the manufacturing of Process Engineered Fuel (PEF) and Processed Biomass Fuel (PBF) which can be used as a fuel substitute for coal, particularly in cement kilns.
- Cement kilns have been using alternative fuels for decades. Cement kilns are excellent energy from waste plants:
 - they burn hot,
 - they burn long,
 - the emissions are cleaned by the limestone, and
 - ash ends up as inert material in the clinker.
- ResourceCo controls full chain of custody for the fuel from fuel manufacturing facility to cement customer.
- Benefits include:
 - Replacement of fossil fuels
 - Reduction of emissions from coal replacement
 - The reduction in landfill carbon emissions
 - Saving of limited landfill space for the key materials that require landfilling.



SIGNIFICANT CARBON ABATEMENT FROM DIVERSION OF DRY WASTE



Abatement (ACCUs)
generated from
diversion of organic
material from landfill
Approx 1 tonne CO₂e
per tonne of waste



Alternative Fuel
plant



Abatement from
replacement of coal
with alternative fuel at
cement kilns
Approx 1 tonne of
CO₂e per tonne of fuel

**WE SEE WASTE AS
RAW MATERIAL THAT
IS 100% CIRCULAR**

**DELIVERING
REAL OUTCOMES**





We believe that we have an obligation to leave the planet in a better state than we found it.