



## The Cleanaway Difference

### EDUCATION

Cleanaway's dedicated education officers will continue to support local governments, residents and commercial businesses to place the correct material in the recycling bin to ensure the highest quality of material is available for reuse.

### EMPLOYMENT

Making a sustainable future possible isn't just about managing waste and natural resources - it's about supporting and being proactive members of the communities we operate in. We are proud to employ over 50 residents as operational staff throughout the facility.

### SUSTAINABILITY

We're committed to contributing to the governments targeted net zero carbon emissions by 2050. The energy-efficient facility features a 680 kW solar system that helps power the MRF and reduce greenhouse gas emissions.

### GENERAL INFORMATION AND SERVICE BOOKINGS

For more information on how Cleanaway can add value to your organisation, please contact us on 13 13 39.



PERTH MATERIAL RECOVERY FACILITY

Setting a new standard  
for safe, sustainable recycling

13 13 39  
cleanaway.com.au



# Cleanaway's Perth Material Recovery Facility (MRF)

located in South Guildford creates a new standard of excellence for resource recovery in Western Australia.

The Perth MRF has the capacity to process over half of commingled recycling from residents and customers across Western Australia.

The modern design features and technology including optical sorting and various screening configuration to deliver a quality output of high purity across all fibre and plastic outputs.

deliver up to  
**90%**  
recovery  
of reusable  
products

deliver  
**99.5%**  
purity  
across most  
outputs



## Capability

By maximising the resources that can be sold on and delivering high levels of purity in recycling commodities, the MRF will improve costs for our municipal and business customers and reduce landfill.

Recycling capabilities include:

### SCREENING FOR FIBRE PURITY

New bounce and ballistic conveyors enhance fibre (paper) product purity and reduce the need for manual handling to remove contaminants. The fibre lines are fitted with optical sorters that achieve a higher percentage of purity optimising sales within domestic and global markets.

### OPTICAL SORTING

The new facility is home to nine optical sorters that sort plastics into five different polymers for baling. The optical sorters significantly improve plastic sorting and can be easily reprogrammed to target different material if there are changes to commingle profiles.

### EFFICIENT BALING

Additional high-production balers have been installed, maximising density and throughput. Cardboard has its own individual receival bunker and baler to ensure lowest possible costs for customers who take pride in segregating cardboard into its cleanest state for collection.

### GLASS RECOVERY

Glass is a very important commodity as it's the highest volume commingle product by weight. The technology will extract and segregate glass by two different sizes and remove all excess fibre and contaminants. Glass will be made available to create feedstock for road base and other civil construction products.

### NO HASSLE

Commingled recycling systems mean there's no need to segregate recyclable items into different bins, making it easier for the community to dispose of recycling.

## Safety

Our state-of-the-art facility is designed to comply with EPA Victoria's guidelines, *Management and storage of combustible recyclable and waste materials* (October 2018); Fire and Rescue NSW's fire safety guidelines, *Fire safety in waste facilities* (October 2019) and the National Construction Code (NCC). The facility sets an industry benchmark for fire control and management infrastructure, with features including:

- Four concrete bunkers to store finished baled products, each bunker fitted with high hazard automatic sprinklers, smoke detecting system and water monitor to minimise fire risk
- High level fixed water cannons to direct water at tipping floor commingled product and finished goods bale bunkers
- Fire water tanks with an effective combined capacity of 1.24million litre water storage
- Inground storage to capture the full volume of fire water tanks
- Automatic inground stormwater isolation valves activated on alarm from fire monitoring panel to prevent uncontrolled discharge of fire water from site
- Aspirated fire smoke detection system
- Fire hydrants and hose reels connected to pressurised system
- Electronic pollution run-off valves

