

Why do we need it?



Landfilling buries useful resources

By landfilling, we are burying useful materials and metals that could otherwise be used. We need to find a sustainable alternative to recover valuable resources.



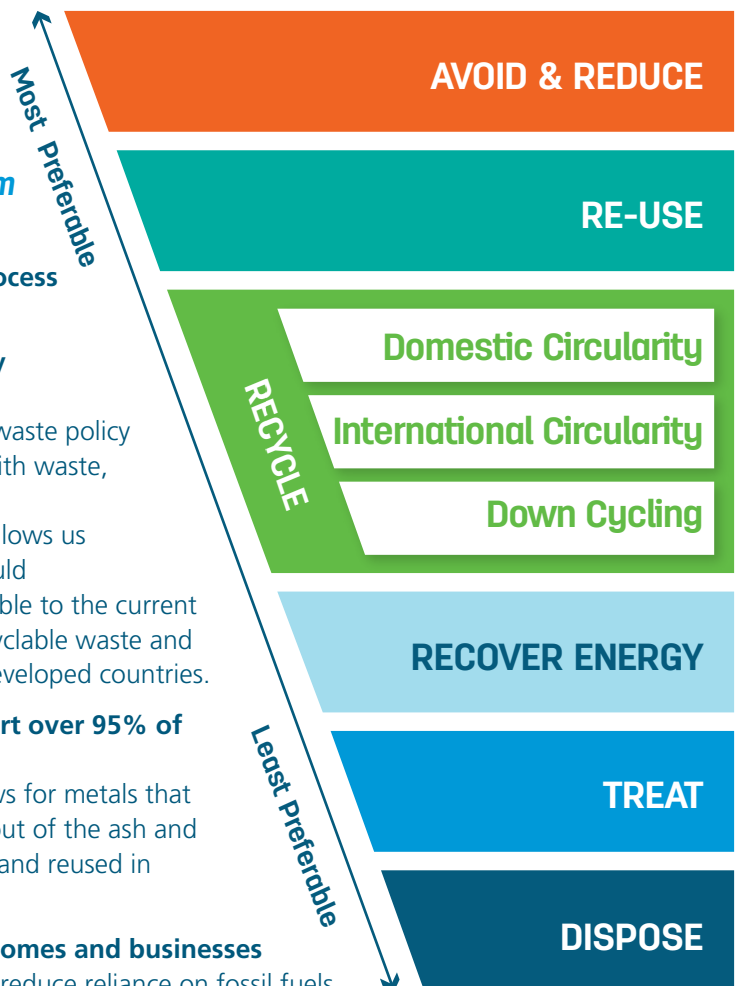
Growing need to reduce the volume of waste that ends up in landfill

Cleanaway supports the Queensland Government's strategy to reduce waste disposed to landfill. In 2017-18, Queensland produced nearly 11 million tonnes of waste, with the increase in waste generated over the last decade outstripping population growth by 19%.*

*Queensland Government Waste Management and Resource Recovery Strategy

To better manage waste in Queensland, we need to find ways to work at higher levels of the waste hierarchy. In addition to education on waste avoidance, reduction and recycling facilities, Cleanaway is developing Energy from waste (EfW) as an alternative to landfill.

- ✓ **EfW provides a sustainable, safe, alternative process to managing waste that cannot be recycled**
- ✓ **Energy recovery is higher in the waste hierarchy compared to landfill / disposal**
The Waste Hierarchy is reflected across Queensland waste policy and identifies the preferred approaches to dealing with waste, with avoidance being the most preferable outcome. EfW sits above disposal in the waste hierarchy as it allows us to recover energy and materials from waste that would otherwise be sent to landfill. This makes EfW preferable to the current system of landfill disposal for managing our non-recyclable waste and is common practice across Europe and most other developed countries.
- ✓ **EfW is complementary to recycling and can divert over 95% of residual waste from landfill**
EfW supports and contributes to recycling. EfW allows for metals that would otherwise be sent to landfill to be recovered out of the ash and recycled. It is intended that the ash will be stabilised and reused in construction, such as roads.
- ✓ **EfW produces electricity for the grid to power homes and businesses**
EfW facilities produce reliable power to the grid and reduce reliance on fossil fuels.



Have questions or require translation support?

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