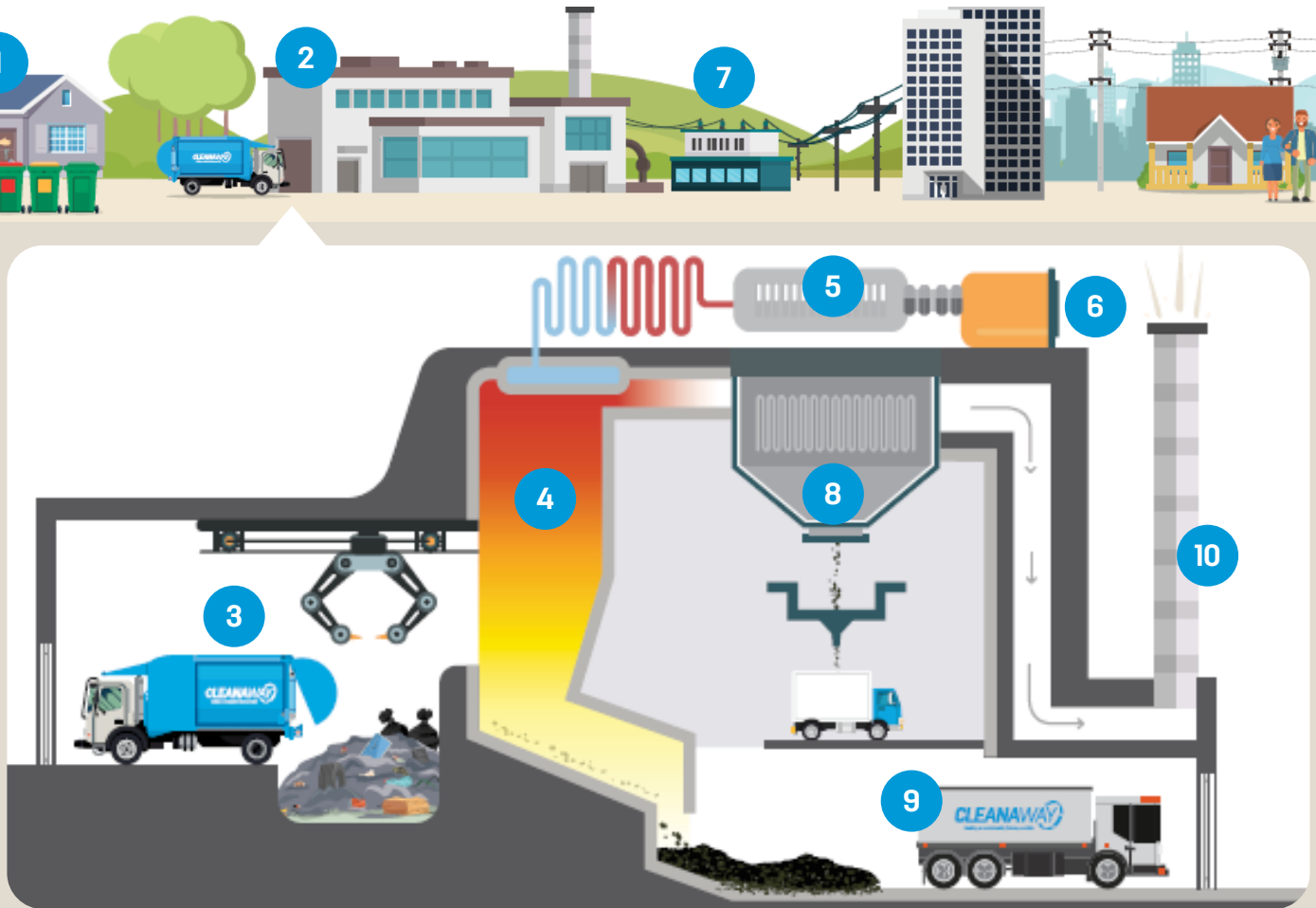


How does it work?



- 1 At home and work, we sort our waste into recyclable and non-recyclable items.
- 2 Before arrival at the energy from waste facility, a presorting process occurs to remove any recoverable recyclables and hazardous items.
- 3 In the bunker, waste is mixed, ensuring consistency, by large crane claws before placement into the combustion chamber.
- 4 Waste is combusted at temperatures upwards of 850°C for over an hour as it moves along the grate. This ensures that waste combusts completely, destroying organic pollutant and odour molecules.
- 5 Water is heated during combustion creating steam which turns a turbine.
- 6 Baseload electricity is generated.
- 7 Electricity is put back into the grid and used to power homes and businesses.
- 8 Gases created during combustion pass through a multi-step flue gas treatment system, removing pollutants from the gases. The ash and pollutant residues are collected in a sealed system for treatment before disposal.
- 9 Bottom ash from the combustion process is collected and stored. Metals are recovered for recycling, and the ash is sent for reuse in construction.
- 10 Cleaned gases and steam are dispersed high into the atmosphere, mixing well to ensure no impact on surrounding air quality.