

Snapshot of incinerator projects in Australia.

Western Australia

- Port Headland - Technology: Gasification incineration (15.5 MW)
Waste feedstock: 205 000tpa Municipal Solid Waste, Construction and Demolition waste, Commercial and Industrial waste, Tyres, greenwaste and liquid wastes.
Status – approved not yet built
 - Kwinana - Technology: Mass Combustion (36Mw)
Waste feedstock: 400,000 tpa tonnes Municipal Solid Waste, Commercial and Industrial waste, Construction and Demolition waste
Status – Approved under construction
 - Rockingham - Technology: Mass Combustion (28.2 Mw)
Waste Feedstock: 330 000 tonnes of Municipal Solid Waste, Construction and Demolition waste, Commercial and Industrial waste and sewage sludge.
Status – Approved under construction
 - Hazelmere: Technology: Pyrolysis incineration (4MW),
Waste feedstock: 13 000 tpa Wood wastes
Status – Approved not yet built
- Total: 975 000 tpa**

South Australia

- Lonsdale -Technology: Tyre Derived Fuel for burning in the Cement kilns, Paper and Steel mills across Australia.
Waste feedstock: 120 000 tonnes/ pa of waste tyre materials.
Status –approved, built and operating
 - Wingfield: Technology: Process Engineered Fuel (PEF) to be burnt in Adelaide Brighton Cement, Birkenhead, South Australia.
Waste feedstock: 120 000 tonnes/pa of PEF sourced from Commercial and Industrial wastes, Construction and Demolition waste (including cardboard, paper, plastic, timber, metals, bedding, concrete, bricks and rubble and including non-recyclable plastic waste)
Status: approved, built and operating
- Total: 440 000 tpa TDF and PEF**

Victoria

- Ballarat - Technology: Yet to be decided.
Waste feedstock: 400,000 tonnes Municipal Solid Waste.
Status: This Ballarat Council led process has been put on hold in August due to the policy uncertainty in Victoria, but could be reignited at any time.

- Laverton - Technology: Gasification
Waste feedstock: 200,000 tonnes Municipal Solid Waste
Status: under review by EPA
- Dandenong - Technology: Gasification
Waste feedstock: 400,000 tonnes Municipal Solid Waste
Status: under review by EPA
- Maryvale - Technology: Mass combustion incineration technology (225 MW).
Waste feedstock: 520,000 tonnes municipal, commercial and industrial waste, utilised from Inner City, Eastern and South Eastern Victorian municipalities.
Status: Approved

Total: 1.52 million tpa

New South Wales

- Portland - Technology: Refuse Derived Fuel boiler attached to a Mass Combustion technology. (27Mw)
Waste feedstock: 200 000 tpa Refuse Derived Fuel containing non recyclable plastics, paper and cardboard and other residual wastes
Status: approved
- Western Sydney - Technology: Mass Combustion (69 Mw)
Waste feedstock: 500 000 tpa (up to 1 million) Municipal Solid Waste, Constructions and Demolition waste, Commercial and Industrial waste, Shredder Floc (cars)
Status: rejected but under appeal in the Land and Environment Court of NSW
- Western Sydney - Technology Mass combustion (55MW)
Waste feedstock: 500 000 tpa MSW and Commercial and Industrial residual wastes
Status: preparing EIS for EPA review
- Wetherill - Technology Mass Combustion in cement kilns
Waste feedstock 250 000 tpa MSW, Commercial and Industrial and Construction and Demolition wastes.
Status: approved and operating

- Matraville - Technology: Gasification
Waste feedstock: 200 000 tpa MSW as PEF
Status: EIS being prepared for EPA review

Total: 1.65 million tpa

Queensland

- Swanbank - Technology: Mass Combustion (50Mw)
Fuel feedstock: 500 000 tonnes of Municipal Solid Waste and Biomass wastes.

Status: preparing EIS

Total: 500 000 tpa

Australian total: 5.85 million tpa

Notes:

For more information about projects happening in Australia see www.zerowasteaustralia.org

For more information about funding waste to energy incinerator projects in Australia see <https://www.cefc.com.au/media/222701/cefc-energy-from-waste-market-report-november-2016.pdf>

Our press release following the Australian export ban - <https://ipen.org/news/australian-waste-export-ban-signals-green-light-dangerous-waste-incineration-industry>