

Fact Sheet

Pinjarra Alumina Refinery

Business Alcoa Alumina

Products Smelter-grade alumina

Certifications ISO 9001 and ISO 14001

Manager Mark Hodgson



Operations

- Pinjarra alumina refinery was commissioned in 1972 and as one of the world's largest refineries, has an annual production capacity of 4.2 million metric tons.
- It is supplied with bauxite ore from the Huntly bauxite mine near Dwellingup.
- The Pinjarra refinery is located within the Shire of Murray in the Peel region south of Perth, Western Australia and approximately 6 kilometres east of the Pinjarra town site, within industrial-zoned land owned by Alcoa. The refinery is sited at the foot of the Darling Scarp and incorporates the refinery footprint, the residue storage area and surrounding cattle grazing areas encompassing an area of 6,772 hectares of freehold property.
- Since an efficiency upgrade in 2007, the refinery delivers a substantial reduction in energy intensity per metric ton of alumina produced, as well as improvements in the use of natural resources.
- The refinery implements a wide range of world-leading technology innovations that continuously improve its alumina production and environmental performance.

Economic Impact

- Approximately 1,000 employees and 250 contractors work at the refinery, with an estimated 60 per cent of employees living in the local Pinjarra and Mandurah communities.
- In 2017, the refinery injected approximately AU\$158 million into the local community through direct salaries, wages and benefits and approximately AU\$545 million in Western Australian supply contracts.
- In 2017, Alcoa of Australia's operations in Western Australia and Victoria injected approximately AU\$400 million into Australia's federal, state, and local governments through the payments of taxes, royalties, rates, and charges. Approximately AU\$111 million was paid to the Western Australian state and local governments.
- More than 65 per cent of Alcoa of Australia's total annual revenue stays in Australia through wages, local purchasing, taxes, royalties, capital investment and dividends to Australian shareholders.
- Alcoa of Australia Limited produces an annual Tax Transparency Report and voluntarily established an Annual Compliance Arrangement with the Australian Tax Office (ATO) in 2012.

Community Engagement

- Refinery management engage with the community through the Community Consultative Network to facilitate dialogue on key social, economic and environmental issues.
- The Environmental Improvement Plan (EIP) consultation process is a working example of community, government and industry coming together for a common purpose. The most recent EIP outlines Alcoa's commitment to continuously improve Pinjarra refinery's environmental performance, reduce environmental impacts and develop more sustainable operating practices.
- In 2017, the Pinjarra Alumina Refinery invested approximately AU\$435,000 in local community partnerships in Pinjarra, Mandurah and surrounding communities along with further in-kind contributions.
- A total of AU\$1.3 million was granted through the Alcoa Foundation and a further AU\$2.3 million in WA partnership funding, supporting local communities in which we operate.
- In 2017, Alcoa employees initiated 45 'Alcoans Coming Together In Our Neighbourhoods' (ACTION) events which saw local community organisations benefit from employees' volunteer support.
- Find out more at <http://www.alcoa.com/australia/en/sustainability/community-partnerships.asp>

Environment and Sustainability

- Pinjarra refinery has its own worm farm which has been in operation since 1995. Organic waste, or worm food waste is sent to the worm farm where it is used for composting and refinery landscaping. The worm farm processes almost 80 tonnes of waste each year.
- A partnership between Alcoa and Alinta has created cogeneration power units at Pinjarra refinery, delivering energy efficiencies and significant greenhouse gas benefits. In 2015, the refinery reduced its greenhouse gas emissions by approximately 40,000 tons, mostly due to the cogeneration partnership.

Alcoa of Australia

- Alcoa of Australia has operated in Australia from more than 55 years and in this time has invested more than AU\$12 billion.
- Alcoa's Australian operations represent one of the world's largest integrated bauxite mining, alumina refining and aluminium smelting systems.
- Two bauxite mines and three alumina refineries in Western Australia produce almost 45 per cent of Australia's alumina. In Victoria, Portland Aluminium Smelter (which is 55 per cent owned by Alcoa of Australia) produces approximately 13 per cent of the nation's aluminium.
- Alcoa employs thousands of people, predominantly from regional Western Australia and Victoria, and adds value to Australia's local, state and national economies at every stage. Alcoa employs 4,275 employees and in 2017 paid AU\$654 million in wages and benefits.
- Alcoa's values ensure that we act with integrity, operate with excellence and care for people.
- Alcoa has been named an employer of choice for 16 consecutive years by the Federal Government's Workplace Gender Equality Agency (WGEA). Flexible work practices at Alcoa mean that employees can balance their personal interests and family life alongside their work commitments.

Alcoa

- Alcoa is a global industry leader in bauxite, alumina and aluminium products, with a strong portfolio of value-added cast and rolled products and substantial energy assets.
- Alcoa is built on a foundation of strong values and operating excellence dating back nearly 130 years to the world-changing discovery that made aluminium an affordable and vital part of modern life.
- Since developing the aluminium industry, and throughout our history, our talented Alcoans have followed on with breakthrough innovations and best practices that have led to efficiency, safety, sustainability and stronger communities wherever we operate.
- Visit us online on www.alcoa.com, follow @Alcoa on Twitter and on Facebook at www.facebook.com/Alcoa.

