

Fact Sheet

Pinjarra Alumina Refinery

Region: Australia

Product: Smelter-grade alumina

Certifications: ISO 9001 and ISO 14001

Manager: Mark Zaborowski



Operations

- Pinjarra Alumina Refinery was commissioned in 1972 and as one of the world's largest alumina refineries produces approximately 4.7 million metric tons each year.
- Alumina is the main feedstock for aluminium, the world's most versatile, lightweight metal, and is extracted from bauxite.
- Pinjarra refinery is supplied bauxite via an overland conveyor from the Huntly Bauxite Mine east of North Dandalup.
- The refinery is located within the Shire of Murray in the Peel region south of Perth, Western Australia (WA), and approximately six kilometres east of the Pinjarra town site. It is sited at the foot of the Darling Scarp on approximately 6,772 hectares of freehold land which incorporates the refinery footprint, the residue storage area and surrounding farmlands.
- The refinery implements a wide range of world-leading technologies that continuously improve production and environmental performance. For example, residue filtration technology reduces land use and increases water recovery.

Economic Impact

- Approximately 1,160 employees and 330 contractors work at the refinery, with an estimated 60 per cent of employees living in the local Pinjarra and Mandurah communities.
- In 2021, 75 per cent of Alcoa Australia's annual revenue stayed in Australia through wages, local purchasing, taxes, royalties and dividends to Australian shareholders.
 - Our Australian operations combined injected AU\$255 million into Australia's local, state and federal governments through the payment of royalties, taxes, rates and charges.
 - Our WA operations injected approximately AU\$647 million into the local WA community through direct salaries, wages and benefits and AU\$1.7 billion in WA supply contracts.
 - Pinjarra refinery's contribution was approximately AU\$188 million into the local WA community through salaries, wages and benefits and AU\$600 million in WA supply contracts.
- Alcoa of Australia produces an annual Tax Transparency Report in support of high standards of corporate governance and an open approach to business conduct.

Community Engagement

- Refinery employees engage with the community through the Community Consultative Network to facilitate dialogue on key social, economic and environmental issues.
- An 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 the refinery's environmental performance, reduce environmental impacts and develop more sustainable operating practices.
- In 2021, Alcoa Foundation and Alcoa's Australian operations invested AU\$4.4 million into areas of need and worthy causes in communities near where we operate in WA.
 - Pinjarra refinery invested approximately AU\$535,000 in local community partnerships in Pinjarra, Mandurah and surrounding communities along with further in-kind contributions.
 - Alcoa employees initiated 40 Alcoans Coming Together In Our Neighbourhoods (ACTION) events which saw local community organisations benefit from employee volunteer support.

Environment and Sustainability

- All WA mining and refining operations have earned certifications from the Aluminium Stewardship Initiative, which is validation of our commitment to responsible and sustainable production and working with stakeholders to deliver long-term value.
- Since 2008, Alcoa and Alinta have partnered to operate two cogeneration power units at Pinjarra refinery, delivering energy efficiencies and significant greenhouse gas benefits.
- Pinjarra refinery maintains an Environmental Management System accredited to international standard ISO14001:2015.
- The refinery has had a worm farm and composting facility since 1995. Some 80 tonnes per year of organic waste from Alcoa operations is turned into vermicast, 'worm wee' and compost for use in refinery gardens.

Alcoa in Australia

- Alcoa has operated in Australia for nearly 60 years and in this time approximately AU\$14.5 billion has been invested by its Australian operations.
- 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 WA produce nearly 50 per cent of Australia's alumina. In Victoria, Portland Aluminium Smelter (which is 55 per cent owned by Alcoa of Australia) produces approximately 19 per cent of the nation's aluminium.
- Alcoa directly employs nearly 4500 people, predominantly from regional WA and Victoria. In 2021, Alcoa paid AU\$714 million in wages and benefits.
- Alcoa's values ensure that employees act with integrity, operate with excellence, care for people and lead with courage.
- Alcoa has been named an employer of choice for 21 years by the Federal Government's Workplace Gender Equality Agency. Flexible work practices at Alcoa mean that employees can balance their personal interests and family life alongside their work commitments.

Alcoa Corporation

- Alcoa Corporation is a global industry leader in bauxite, alumina and aluminium products, and is built on a foundation of strong values and operating excellence dating back more than 135 years to the world-changing discovery that made aluminium an affordable and vital part of modern life.
- Since developing the aluminium industry, and throughout the company's history, our talented employees have followed on with breakthrough innovations and best practices that have led to efficiency, safety, sustainability and stronger communities wherever we operate.
- As a leader in the mining and metals industry, Alcoa has a strategic priority to advance sustainably and is a member of the International Council of Mining and Metals (ICMM).
- In 2021 Alcoa announced its aspiration to achieve net zero carbon emissions by 2050 and vision to reinvent the aluminium industry for a sustainable future. Alcoa's [technology roadmap](#) supports the vision and features three key innovations: Refinery of the Future; Reinventing Smelting through ELYSIS™; and Transforming Recycling through ASTRAEA™.
- Alcoa is included in S&P Global's 2021 Sustainability Yearbook and was named to the 2021 Dow Jones Sustainability Index. Alcoa ranked on Fortune Magazine's World's Most Admired Companies list and is included in Bloomberg's Gender-Equality Index.
- Visit us online at www.alcoa.com, follow @Alcoa on Twitter and www.facebook.com/Alcoa on Facebook.

