

JUST BIODIESEL BARNAWARTHA

60 ML per year
of biodiesel available

11-20 FTE jobs
in a regional town

- local feedstock from agribusiness value chain used
- domestic biodiesel production = energy security
- proven and scalable technology

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onveniently located on the Hume Highway just south-west of Albury, the Just Biodiesel plant at Barnawartha uses tallow, used cooking oil

(UCO) and crude vegetable oils, sourced from the local Oztek Holding plant, to produce biodiesel. The plant uses equipment from BDI-BioEnergy International in Austria, who have provided technology to over 70 plants globally. The plant is designed to allow for maximum feedstock flexibility and can produce biodiesel blends of B5, B20 or B100, depending on customer requirements. Coproducts include glycerin and potassium sulphate fertiliser, and production costs approximately \$2.20/L.

Key Features of the Project

Organic Feedstock Use

By using locally available feedstocks within a 400 km radius, largely from local agricultural and food value chain sources, the plant reduces transport costs and emissions, while supporting neighbouring regional industries.

Biodiesel quality and emissions

The world class design of the technology ensures that all biodiesel produced meets Australian Fuel Standards, meaning it can be used in existing equipment without modification. US Department of Energy testing has proven that B100 biodiesel has 57-74% lower greenhouse emissions, but also lower emissions of particulate matter, carbon monoxide and hydrocarbon.



Just Biodiesel Barnawartha

Supporting Australian cleaner fuels and fuel security

Recent government engagement with the transport industry has identified a need to prioritise the domestic production and use of low carbon liquid fuels, to reduce both Australia's reliance on imported fuels and the exposure to substantial variations in international fuel prices. Both Federal and State Governments are considering supply and demand side measures to support domestic production. Given that the Barnawartha plant is currently operating at 20% capacity and 10% of production is exported, the Barnawartha plant is ready to support Australian industry's transition to low carbon liquid fuels.

Just Biodiesel has partnered with Refuelling Solutions and Viva Energy Australia, who distribute their product nationally.

Circular Economy Outcomes

The upcycling of locally available waste feedstocks shortens the biodiesel production value chain, providing support to local feedstock producers, creating local jobs in a regional area and reducing the reliance on imported fossil diesel which has substantial supply and cost risks.

Sustainable transport future

Once financial support is available within Australia for biodiesel production and use, companies who are committed to reducing their greenhouse gas emissions from transport can take action. Given the current Fuel Tax Credit Scheme for fossil diesel costs Australian taxpayers over \$10 billion annually, parity for domestic production of renewable biodiesel would be a game changer.