



SYDNEY HARBOUR BIODIESEL TRANSITION PLAN

Building a Cleaner, More Fuel-Secure Working Harbour

*"Sydney Harbour has the potential to become Australia's first
cleaner, more fuel-secure working Harbour."*

AUSTRALIA IS ENTERING A NEW ENERGY REALITY.

Global instability, rising fuel costs and increasing pressure to reduce emissions are exposing the vulnerabilities of Australia's heavy reliance on imported fossil fuels. Critical industries including freight, agriculture, logistics and maritime operations remain heavily dependent on diesel, yet Australia currently holds limited fuel reserves and imports the majority of its liquid fuel supply.

At the same time, ports, fleet operators and governments are under growing pressure to reduce emissions and improve sustainability outcomes.

Sydney Harbour presents a unique opportunity to demonstrate how Australia can begin transitioning toward cleaner, more resilient fuel systems using practical technologies available today.

ProGreen Biofuels believes Sydney Harbour can become a leading example of how renewable biodiesel blends can support marine operations, strengthen fuel resilience and help reduce emissions across Australia's commercial maritime sector.

This is not a distant future concept.

Most commercial marine engines operating on Sydney Harbour today are already approved to operate on biodiesel blends such as B20, allowing emissions reductions without requiring major engine modifications or complete fleet replacement.

The opportunity now is to develop the partnerships, infrastructure and supply systems needed to support the transition.

WHY SYDNEY HARBOUR?

Sydney Harbour is one of Australia's busiest and most recognisable working waterways. Every day, ferries, tugboats, tourism vessels, commercial operators and marine service fleets rely on diesel fuel to maintain essential operations across the harbour network.

As one of the country's most visible marine environments, Sydney Harbour offers an ideal location to demonstrate how lower-emission marine fuel solutions can be introduced within an existing commercial operating environment.

The harbour already contains many of the conditions required for a successful transition:

- High concentration of commercial marine activity
- Existing biodiesel-compatible engines
- Strong public visibility
- Established port and marine infrastructure
- Increasing interest in emissions reduction and fuel resilience

A successful Sydney Harbour biodiesel transition could create a scalable model for ports and marine operators across Australia.

WHY NOW?

Australia's fuel security has become a growing national concern.

The country imports the majority of its liquid fuel supply and remains vulnerable to global shipping disruptions, geopolitical instability and international fuel market volatility.

Biodiesel offers an immediate and practical transition opportunity, providing a pathway to reduce emissions while maintaining operational continuity and existing fleet capability.

WHAT IS BIODIESEL?

Biodiesel is a renewable fuel produced from sustainable feedstocks including vegetable oils, waste cooking oils and agricultural energy crops.

Beyond emissions reduction, biodiesel also creates broader opportunities for domestic fuel production, regional economic development, agricultural diversification, circular economy systems and reduced dependence on imported fuels.

THE SYDNEY HARBOUR OPPORTUNITY

The transition toward cleaner marine fuels represents more than an environmental initiative. It is an opportunity to strengthen Australia's sovereign fuel capability while supporting the evolution of a more resilient and lower-emission maritime sector.

- Potential long-term benefits include:
- Reduced marine emissions
- Improved fuel supply resilience
- Stronger domestic fuel capability
- Support for Australian agricultural industries
- Local infrastructure investment
- Regional job creation
- Development of future carbon and sustainability markets

CONNECTING REGIONAL AUSTRALIA TO THE HARBOUR

ProGreen Biofuels' long-term vision extends beyond Sydney Harbour through the development of Regional Energy Hubs that connect Australian agriculture, domestic fuel production and local energy systems.

A PRACTICAL TRANSITION PATHWAY

- Potential future focus areas include:
- Marine biodiesel pilot programs
- Harbour fuel infrastructure assessment
- Strategic commercial partnerships
- Harbour-based refueling capability
- Scalable biodiesel supply chain development
- Integration with future Regional Energy Hubs

MORE THAN FUEL

This initiative is about more than biodiesel. It is about fuel security, resilient infrastructure, regional economic opportunity, practical decarbonisation, sovereign capability and future-focused industry transition.

ABOUT PROGREN BIOFUELS

Established in 2004, ProGreen Biofuels is an Australian biodiesel supply chain and renewable fuel specialist focused on developing practical, scalable and sustainable biofuel systems for Australian fleets.

The company has spent more than 20 years researching and developing biodiesel applications, supply systems and regional energy models designed to strengthen Australia's fuel resilience and support the transition toward lower-emission energy solutions.

HELP SHAPE AUSTRALIA'S MARINE FUEL FUTURE

Industry Partners • Marine Operators • Strategic Collaborators • Investors

ProGreen Biofuels is seeking industry partners, maritime operators, strategic collaborators and investors interested in supporting practical renewable fuel solutions for Australia's maritime and regional sectors.

Danny Williams

Founder & CEO

danny@progreen.com.au

0417 978 426

www.progreen.com.au