BIOENERGY IN AUSTRALIA

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CEO BIOENERGY AUSTRALIA
OUR MEMBERS

- STATE GOVERNMENT DEPARTMENTS
- PRODUCERS OF BIOFUELS
- LARGE CORPORATIONS QANTAS, AGL, VIRGIN
- UNIVERSITIES
- DEVELOPERS OF BIOENERGY PROJECTS
- TECHNOLOGY PROVIDERS
- EXPERT CONSULTANTS
- FINANCE SOLUTION PROVIDERS
WHAT IS BIOENERGY

- Biomass
  - Renewable
  - Sustainable
  - Safe
  - Sourced affordably and local

- Fuel
- Power
- Gas
- Heat
ABOUT BIOENERGY AUSTRALIA

AUSTRALIA LAGS BEHIND THE WORLD WHEN IT COMES TO BIOENERGY

WE ARE COMMITTED TO ACCELERATING AUSTRALIA’S BIOECONOMY

WE ADVOCATE
WE CAMPAIGN
WE INFORM
WE CONNECT
HOW DO WE COMPARE?

Modern bioenergy: the overlooked giant of renewables

Figure 8: Total primary energy source from bioenergy, per capita.
WHY BIOENERGY?

- Enhanced energy security through domestic biofuel production & diversification of baseload
- Regional employment, investment and economic development
- Greater utilisation of waste streams
- Reduction in greenhouse gas emissions
GLOBAL DRIVERS - AVIATION

AS PART OF THE GLOBAL DECARBONISATION PROCESS, THE INTERNATIONAL AVIATION INDUSTRY HAS COMMITTED TO REDUCING ITS GREENHOUSE GAS EMISSIONS. IN 2009 THE INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA) SET THE FOLLOWING AMBITIOUS TARGETS:

• A 1.5% ANNUAL FUEL EFFICIENCY IMPROVEMENT BETWEEN 2010 AND 2020;

• CARBON NEUTRAL GROWTH FROM 2020; AND

• A 50% REDUCTION IN NET EMISSIONS BY 2050 COMPARED TO 2005 LEVELS.
IN APRIL 2018 THE IMO INTRODUCED A STRATEGY TO REDUCE THE GHG EMISSIONS FROM THE SHIPPING INDUSTRY. IT INCLUDES A 50% REDUCTION IN EMISSIONS BY 2050.

LOW CARBON AND CARBON NEUTRAL FUELS FORM A KEY PART OF THEIR EMISSIONS REDUCTION STRATEGY.

The shipping sector is finally on board in the fight against climate change.
DOMESTIC DRIVERS - GAS

SMALL INDUSTRIAL BUSINESSES ARE STRUGGLING TO STAY ALIVE WITH THE DRAMATIC INCREASE IN GAS PRICING OVER THE LAST 3 YEARS.

BIOMASS IS AN IDEAL REPLACEMENT FOR HEAT RELATED ENERGY, AND CAN BE USED TO SUBSTITUTE GAS BOILERS.

MSM MILLING IN MANILDRA, SAWMILLS, INDUSTRIAL PROCESSING FACILITIES ARE SWITCHING TO BIOMASS
DOMESTIC DRIVERS – GREEN GAS

THE RACE IS ON TO DELIVER FIRST BIOGAS INTO THE AUSTRALIAN GAS INFRASTRUCTURE NETWORK

FRANCE HAS 59 SITES INJECTING AND 297 ON THE WAITLIST FOR CONNECTION. AUSTRALIA HAS ZERO.
DOMESTIC DRIVERS – TRANSPORT

EMMISSIONS FROM THE TRANSPORT SECTOR HAVE INCREASED BY 22% SINCE 2005

40% MORE DEATHS FROM TRANSPORT RELATED POLLUTION THAN THE NATIONAL ROAD TOLL

AUSTRALIA HAS SOME OF THE DIRTIER FUEL OF THE OECD NATIONS. PARTICULARLY RELATING TO SULFUR CONTENT IN UNLEADED FUELS
DOMESTIC DRIVERS – FUEL SECURITY

Australia has significant fuel security issues

90% reliance on imported oil

Australia’s worsening liquid fuel security problem

Only OECD country not to have recommended fuel stockholdings
AS EXPECTED SOUTH AUSTRALIA IS PUNCHING ABOVE ITS WEIGHT IN RENEWABLES!

POLICY DEVELOPMENT AND EDUCATION WERE THE STAND OUT REASONS FOR THE POSITION
BIOENERGY STATE OF THE NATION - KPMG

SOUTH AUSTRALIA SNAPSHOT

10 PROJECTS

80% MUNICIPAL WASTE
10% AGRICULTURAL RESIDUES
10% WOOD WASTE
THANK YOU

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