

Australian Biofuels 2018

Emerging New Directions

Client Report Scope

May 2018

Dear Industry Colleague,

2017 was a year of positive developments for biofuels in Australia:

- Qantas and Virgin Australia are actively trialing sustainable aviation fuels (bio-jet) to reduce emissions;
- Ethtec announced a \$48m project in NSW to convert cellulosic waste to ethanol;
- Demand for fuel grade ethanol increased in 2017 – the first time since 2011.

Released in May 2018 and in its twelfth year of publication, **Australian Biofuels 2018** is the only study of its kind in Australia that provides clients with an exclusive and insightful analysis into the Australian biofuel sector. **Australian Biofuels 2018** coverage includes:

- ✓ OVERVIEW of biofuel developments in Australia in 2017 and the world;
- ✓ FUTURE ETHANOL DEMAND: forecast of ethanol demand by state to 2023, new plants, impact on feedstocks;
- ✓ AUSTRALIAN BIO-JET new developments, possible bio-jet refinery, feedstock sustainability, technology pathways, economics and policy;
- ✓ MANDATE PERFORMANCE in 2017 by state, forecast to 2023 vs future plant capacity, IPART wholesale pricing;
- ✓ BIOFUEL ECONOMICS - product and feedstock economics, pricing, refiner margin analysis;
- ✓ BIODIESEL in Australia – can it recover?
- ✓ POLICIES AND AGENCIES - Government (State and Federal) programs, effectiveness, need for policy revamp;
- ✓ EMERGING ADVANCED BIOFUELS making new inroads in Australia.

Whether you are a participant in the bioenergy sector, a policy maker or policy influencer, a trader or a potential investor, it pays to have an independent view and a complete understanding of the Australian biofuel industry. **Australian Biofuels 2018** does exactly that.

See Table of Contents, Order Form and Study Team details are attached.

Regards

Mike Cochran

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*APAC Biofuel Consultants (BN 04665650) is a joint venture of EnergyQuest Pty Ltd (ABN: 51110284270) and Ecco Consulting Pty Ltd (ABN 18109919799). Graeme Bethune is the CEO of EnergyQuest and Mike Cochran the CEO of Ecco Consulting.

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ORDER FORM

Australian Biofuels 2018*

| | Report Fees (excluding GST) |
|---------------------------|-----------------------------|
| Single User (single copy) | \$3,750 |
| Corporate (two copies) | \$6,750 |

***Australian Biofuels 2018** is a client report, researched and prepared by **APAC Biofuel Consultants**, released in May 2018. **APAC Biofuel Consultants** (BN 04665650) is a joint venture of **EnergyQuest Pty Ltd** (ABN: 51110284270) and **Ecco Consulting Pty Ltd** (ABN 18109919799). **Graeme Bethune** is the CEO of **EnergyQuest** and **Mike Cochran** the CEO of **Ecco Consulting**.

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THANK YOU FOR YOUR ORDER

Study Team

Mike Cochran

In 2004 Mike Cochran established Ecco Consulting Pty Ltd to provide marketing and commercial services to the oil, gas, petroleum, and resource sectors in Australia and overseas. As CEO of Ecco Consulting, Mike Cochran brings to the client, experience in market research and analysis, business and strategy development, price and contract negotiations, as well as in commodity trading and logistics. Biofuels, along with alternative fuels, crude oil and natural gas liquids in Australia and Asia, are specialty areas. Ecco Consulting has undertaken consulting assignments with governments, oil producers, energy and agriculture trading companies, international refiners, biofuel producers, investment banks, infrastructure sector, and local governments.

APAC Biofuel Consultants was formed in 2006. Since then Mike has co-authored and co-researched a major client biofuel study in 2006, plus twelve editions of APAC's annual **Australian Biofuels** report, which has become a leading and widely quoted analysis on the Australian and international biofuels industry.

Prior to establishing Ecco Consulting, Mike held various senior commercial and marketing positions with some of the world's largest resource and petroleum organisations – most recently 22 years with Santos Ltd, and before Santos, with Rio Tinto (CRA, Mary Kathleen Uranium, Bougainville Copper Ltd) and BHP.

Mike has a degree in Economics from Sydney University and post graduate Diploma of Oil Supply and Refining (University of Oxford).

Dr Graeme Bethune

Graeme Bethune is CEO of EnergyQuest, which he established in 2005 to provide strategic research on Australian oil, gas and other energy sources. EnergyQuest's clients include major Australian companies, most Australian governments, institutional investors and a number of international companies.

EnergyQuest also produces the EnergyQuarterly, which provides comprehensive and timely analysis of oil and gas production, reserves, development projects and gas contracts in Australia.

The company has also undertaken major multi-client studies of coal seam methane and biofuels and provided strategic advice on acquisitions and major energy contracts.

Prior to establishing EnergyQuest, Graeme had 30 years in senior finance and corporate affairs roles. For 10 years he held a range of senior positions with the Australian energy group, Santos, reporting to the CEO, responsible for finance, business development, investor relations and media. This included over \$2 billion of major financing and asset acquisitions and divestments.

Graeme has a first-class honours degree in economics from Monash University and a PhD from the Australian National University. He has undertaken the executive program at the Graduate School of Business at Stanford University and is a member of the Society of Petroleum Engineers and the Petroleum Exploration Society of Australia.

Susan Bethune

Susan Bethune is a partner in EnergyQuest, responsible for market analysis. Susan has over 30 year's experience in economic and financial analysis with the Commonwealth government, the finance sector and the tertiary education sector. She has an honours degree in economics from Macquarie University and a Masters degree in economics from the Australian National University.
