



# Annual REPORT

2017/2018



# BIOENERGY AUSTRALIA (FORUM) LIMITED

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## **Annual Report 2017-2018**

This Annual Report covers the activities and performance of Bioenergy Australia (Forum)
Limited from 1 July 2017 to 30 June 2018, being our financial year.

To our members and supporters who made our programs and events possible THANK YOU. We value your contribution and we look forward to working together to advance the bioenergy industry in Australia.

2017-18



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# OUR WORK

WE ARE COMMITTED TO ACCELERATING AUSTRALIA'S BIOECONOMY. OUR MISSION IS TO FOSTER THE BIOENERGY SECTOR TO GENERATE JOBS, SECURE INVESTMENT, MAXIMISE THE VALUE OF LOCAL RESOURCES, MINIMISE WASTE AND ENVIRONMENTAL IMPACT, AND DEVELOP AND PROMOTE NATIONAL BIOENERGY EXPERTISE INTO INTERNATIONAL MARKETS.

AUSTRALIA LAGS BEHIND THE WORLD WHEN IT COMES TO BIOENERGY, AND WE AIM TO CHANGE THAT. WE EMPOWER, SHARE KNOWLEDGE, AND CONNECT AUSTRALIAN BIOENERGY PRODUCERS, INVESTORS, RESEARCHERS, AND USERS TO MAKE AUSTRALIA'S BIOECONOMY WORLD-CLASS.

#### **WE ADVOCATE**

With our members, we anticipate and develop leading positions on issues of concern to the advancement and growth of bioenergy in Australia. Read more about our **Submissions** and **Position Statements**.

#### **WE INFORM**

We publish reports, webinars and articles to help our members keep ahead of industry trends and opportunities. We also manage the **Biomass**Producer website an AgriFutures Australia resource showcasing Australian bioenergy projects, expertise, and identifying opportunities for primary producers.

#### **WE CAMPAIGN**

We raise the profile of the industry within the media and broader community to achieve a greater level of understanding about bioenergy and the vital role it must play to achieve carbon neutrality by 2050. See our Media releases and News.



#### **WE CONNECT**

We facilitate knowledge exchange and networking for members through events, our Annual Conference, and Webinars. We link investors with emerging businesses; researchers with technology developers; government with innovators. We also administer Australia's participation in IEA Bioenergy.



## **Our Members**

Bioenergy Australia membership reflects the diversity of the growing bioenergy industry in Australia. From small rural-based producers to companies listed in the ASX200, our members also include federal and state government departments, energy organisations, universities, and industry bodies and associations. Find out more about Our Members.

#### 2017 - 2020

# Strategic Plan //

Bioenergy Australia's 2017-2020 Strategic Plan outlines our goals for the association. Major streams of focus for this period include:



Raising the profile of the industry



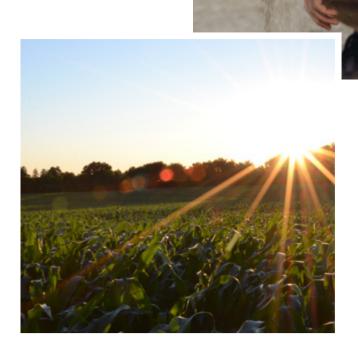
Advocating to Government



**Increased industry** engagement



**Ensure Bioenergy Australia is** a sustainable organisation





# Report From The Chair //

### **Paul McCartney**

Dear Members,

The last 12 months for Bioenergy Australia have been dedicated to the strategic investment of our resources into building an organisation that effectively represents the Bioenergy sector moving forward.

The Board is delighted with the progress that has been made towards the 2017-2020 strategy and is equally delighted that we have seen a 44% increase in membership, that includes

organisations such as Qantas, Virgin, Scania, AGL. This is a sign to the Board that Bioenergy Australia's new direction is valued by the industry.

In addition to a significant increase in membership, Bioenergy Australia joined forces with the Biofuels Association of Australia in December 2017 and has become an active voice and representative for the biofuels sector and established the National Liquid Biofuels Committee.

We have also witnessed Bioenergy Australia becoming increasingly active in engaging with Government, investors, allied industries, members and the media. We have also seen a significant interest in Bioenergy inclusion in events, media and government forums. This has all required a huge effort from the Board and staff, and the outcomes to date have exceeded our expectations.

On the financial front, in August 2017 the Bioenergy Australia Board endorsed a deficit 2018 budget to support the renewal, refreshment and re-positioning of the organisation as defined in our strategic plan. It was a decision the Board took to develop an organisation that will have the resources, policies, systems and procedures to adequately support and represent the industry for the future.

The deficit budget was adopted as part of a broader return to surplus within three financial years and was endorsed to develop a new brand and new website, a communications strategy and recruiting a new team of staff. It also allowed Bioenergy Australia to commission a report by KPMG and become more active in engaging with Government.

It is an interesting time for Energy policy, and we are delighted to see the increase in investment and interest in Bioenergy projects. Whether it is Biogas projects, Heat and Power or Biofuels, we have seen Governments at all levels announcing commitments and support for Bioenergy.

We envisage another successful year of growth at Bioenergy Australia and look forward to seeing the continued growth in projects and investment for the sector. It is a great time to be involved in Bioenergy and we thank you for your support.



Well what a year it has been!

I would like to take this opportunity to thank the incredibly passionate members and staff who have supported the growth of this industry, the organisation and myself.

To summarise the last 12 months.

#### We have advocated for and connected the industry

**Creating 4 National Working Groups:** Liquid Biofuel Committee, Biogas Taskforce, Heat and Power Committee and Municipal Waste Taskforce.

**Responding to 8 Government submissions** and actively engaging with the Federal and State MP's and Government Departments.

Being appointed on seven Committees including:

- International Energy Agency Bioenergy, Australian Exco Committee Member
- Member of the Commonwealth Fuel Standards Consultative Committee
- Member of the NSW Forest Industries Taskforce R&D Advisory Group
- Member of the ACCC Fuel Consultative Committee
- Member of the NSW Government Biofuels Expert Panel
- Member of the QLD Bio futures Industry Advisory Group

#### We have refreshed the organisation and profiled the industry

Launching a new website, social media strategy and newsletter.

Delivery of the 2017 National Conference.

Joining forces with the Biofuels Association of Australia. Driving a strong level of engagement with IEA Bioenergy. Initiating a formal collaboration with Bioenergy Association of New Zealand.

We have welcomed a significant growth in membership since July 2017.

We have pushed out over 25 press releases to media and achieved some significant press.

Financially we have invested in the future. The full 2017/2018 deficit of \$172,035 is a better than budget result. The approved budget for 2017/2018 was a deficit of \$176,006. The endorsed budget for 2018/2019 is a deficit of \$69,000, and in 2019/2020 Bioenergy Australia is budgeted to return to surplus. We are confident that this short-term two-year period of deficit will set up Bioenergy Australia to be a strong advocate and representative for the future of the industry.

This year, we are striving to accomplish even more. However, we can't do it without the involvement of our members!

Some of the highlights for 2018/2019 include:

- Bioenergy Strong 2018 National Conference in Brisbane October 2018
- Inaugural Bioenergy
   Innovation Awards program
- Delivering an online
   Bio accelerator tool to
   showcase bioenergy options
   to potential bioenergy
   adopters
- A strong advocacy agenda for the next Federal election and upcoming State elections
- Increasing our IEA Task involvement from five to seven Tasks in 2019
- Developing support tools and content to encourage local bioenergy initiatives
- Delivering an all of sector report - The State of Bioenergy in Australia.

#### 8

#### 2017-2018

# **Bioenergy Australia Activities //**

#### **Member Committees**

Bioenergy Australia has established a number of committees and taskforces to assist in driving policy, advocacy, program and knowledge outcomes across topic areas. The members of the working groups come from a wide cross section of the bioenergy sector, and we are delighted to work with these highly talented and dedicated teams to drive growth for the industry.

#### **Liquid Biofuel Committee**

The Committee aims to build up the biofuel industry in Australia to deliver meaningful social, environmental and economic benefits. The team has produced a report to identify the main renewable fuel policy instruments around the world. Based on the international models, the Committee has drafted a policy paper, which advocates for a Clean Fuel Target in Australia. Potential headings for fact sheets are currently being discussed and include myth busting around the role of electrification to solve the transport emissions' issue, ways for the Government to assist in the decarbonisation process and the truth behind biofuels from an environmental and health perspective.

#### **Heat & Power Committee**

The purpose of the Committee is to advise Bioenergy Australia on matters pertaining to the renewable bioenergy industry in Australia in the heat & power sector. The team has identified the development of State-specific energy policies as a priority. These will be focused on presenting how and why biomass technologies should be used in the heat & power sector. Additionally, due to the current lack of knowledge about bioenergy within the community, the Committee is planning to prepare a user-friendly facts sheet to provide an overview of the technologies currently available



#### **Biogas Taskforce**

The purpose of the Taskforce is to advise Bioenergy Australia on matters pertaining to the biogas industry in Australia. It has been specifically created to assist in driving a higher level of understanding, uptake and engagement relating to the biogas opportunities in Australia. The team is looking at producing fact sheets around the biogas opportunities and has selected the target audience within the sectors that could potentially take the highest advantage from the technology (i.e. industrial food processing industry, the intensive livestock industry, the waste water treatment facilities and the municipal organic waste sites). The taskforce is also interested in the opportunities of gas injection into the grid.

#### **Municipal Waste Taskforce**

The purpose of the Taskforce is to assist Bioenergy Australia in developing a strategy regarding its position on bioenergy from municipal waste and specifically to advise Bioenergy Australia on matters pertaining to the waste-to-energy industry in Australia. The team advocates for zero untreated waste to landfill supported by a nationally uniformed levy. Potential headings for fact sheets are currently being discussed and include a definition of waste-to-energy, the waste hierarchy, the waste-to-energy opportunities in Australia, the concept of circular economy and the protection of the environment.



#### GOVERNMENT **SUBMISSIONS**

As part of our advocacy strategy, we regularly make submissions in response to government and government-led bodies in order to develop leading positions on topics of concern to the advancement and growth of bioenergy in Australia. Given the strong involvement of our members in the issues presented in the consultation papers, our responses are developed based on the input from our committees and taskforces to ensure a strong alignment with the membership's priorities. The number of submissions relevant to the bioenergy industry in Australia has been surprisingly high, eleven so far. This compares to four in 2017 and two in 2016. We are constantly working to ensure our participation in these conversations. I think this is a great sign of Bioenergy Australia's increased role in supporting informed Government decision making.

### **Government Submissions** 2018

#### **FEBRUARY**

**CLEAN ENERGY CORPORATION (CEFC)** STATUTORY REVIEW **CONSULTATION PAPER** 

## **MARCH**

VERNMENT

**RIS BETTER FUEL FOR CLEANER AIR DRAFT REGULATION IMPACT STATEMENT** 

#### **MARCH**

NATIONAL ENERGY **GUARANTEE (NEG) CONSULTATION PAPER** 

#### **APRIL**

**INQUIRY INTO MICROGRIDS** AND ASSOCIATED **TECHNOLOGIES IN WA** 

#### MAY

**GUIDELINES FOR FUEL SELLERS: REASONABLE** STEPS FOR ACHIEVING THE SUSTAINABLE BIOFUEL REQUIREMENT

#### JUNE

PETROLEUM AND GAS (SAFETY) REGULATION 2018

#### JUNE

**ACT WASTE FEASIBILITY** STUDY - ROADMAP AND RECOMMENDATIONS

#### JUNE

**TRANSFORMING** QUEENSLAND'S RECYCLING AND WASTE INDUSTRY

#### **SEPTEMBER**

**INQUIRY INTO ECONOMIC REGULATION OF AIRPORT SERVICES** 

#### **SEPTEMBER**

MONITORING OF WHOLESALE AND RETAIL MARKETS FOR FUEL **ETHANOL** 

#### **SEPTEMBER**

**INQUIRY INTO TRANSPORT TECHNOLOGY** 

# Events //

### **Events and Activities Update**

- Launch of the QUT Biofuels to Bioproducts report at Parliament House Canberra and Parliament House NSW. Attended by 250 guests including politicians, influencers, media, members, associated organisations and key influencers. Speakers included high profile Government representatives including Hon Bob Katter MP, Hon Mark Butler MP, Hon Matthew Canavan, Deputy Premier John Barilaro and Yasmin Catley MP. The event generated government engagement and media coverage including a segment on ABC National News TV and a seat at NSW Deputy Premier's Boardroom lunch on Energy.
- Launch of inaugural Bioenergy Innovation Awards program The Bioenergy Innovation Awards Program was open for entries from 31 May 2018 and communicated via the website, newsletter, social media, and targeted EDMs. We received 25 submissions across all six categories. The Bioenergy Innovation Awards Jury consists of Heather Bone (Chair), Gavin Matthew and Bernadette McCabe.
- Webinars 2 \* Task 42 Webinars, including Biorefining in a Future Bioeconomy and Decision Support System for Biorefinery Transformation Strategies: I-BIOREF Software Platform. Five members and three non-members registered. Task 37 Webinar, Greening the gas grid: An international perspective and opportunities for Australia. 17 members and 5 non-members registered. Task 43 Webinar, 18 June, Comparison of the cost and productivity of cut-to-length harvesting and fuel-adapted harvesting in a Pinus radiata clearfell operation in Western Australia. 19 members and 11 non-members registered.

## **Annual Bioenergy Australia Conference 2017**

- Dockside, Cockle Bay Wharf was contracted as the venue from 20 to 23 November 2017
- Radisson Hotel & Suites and Travelodge Hotel Wynyard were contracted as accommodation suppliers.
- The conference consisted of a half day IEA Bioenergy workshop, two days of plenary and concurrent sessions, as well as two optional site tours on day three.
- A Welcome Reception was held in the Cockle Bay rooms at Dockside on Monday 20 November 2017, and a Conference Dinner held in the Darling & Quay rooms, at Dockside, Cockle Bay Wharf on Tuesday, 21 November 2017.

- There was a trade component of 16 exhibition tables, one Platinum sponsor, one Gold Sponsor, three silver sponsors, one Conference Dinner Sponsor, one coffee cart sponsor, one name badges sponsor, one lanyard sponsor and five satchel insert sponsors.
- There were 22 poster presentations displayed in the Exhibition Areá and Balcony Area throughout the conference.
- There were 195 delegates in attendance during the conference (including speakers). Dockside, Čockle

## Advocacy

Bioenergy Australia is participating in the Commonwealth Department of Environment and Energy Biofuels Roundtable

June 2018, Bioenergy Australia participated in a Transport roundtable hosted by Mark Butler MP and Anthony Albanese MP

Bioenergy Australia was invited by the NSW Deputy Premier to attend his Boardroom lunch on Energy in May 2018

We initiated and attended over 60 meetings with MP's and staffers across Australia.

# Media and Communications //

#### **Members**

Members receive a monthly Enews to update them on Bioenergy Australia advocacy, events, new members, IEA activities and other important industry information.

## **Bioenergy Australia Website**

The website is updated regularly to include all submissions made to government, topical news, relevant events, our advocacy efforts and all press releases issued to media.

#### Media

We have pushed out over 25 press releases to media and achieved some significant press including:

Biofuel, the forgotten renewable energy by Cole Latimer (SMH, AGE, Canberra Times and nationally syndicated)

Sky News on the Hour with Bob Katter & Heather Bone

Biofuel targets could add \$1 billion, thousands of jobs for regions if national mandate introduced, ABC Rural By Cassandra Hough

Report: Biofuels mandate would address inadequate policy, The Land Sydney

ABC TV National News - a live interview with BA CEO



#### **Twitter**

There has been a 45% increase in followers from 1 July 2017 to 30 June 2018.

Per month we are averaging the following:

11,274

Tweet impressions

500

**Profile visits** 

# INTERNATIONAL **ENERGY AGENCY** BIOENERGY, TASK PARTICIPATION

Bioenergy Australia (Forum) Ltd entered into a Funding Agreement with ARENA in July 2014 for participation by Australia in the International Energy Agency's (IEA) Bioenergy activities.

This agreement involves participation in five Tasks:

- Task 37: Energy from **Biogas**
- Task 38: Climate Change effects of Biomass and Bioenergy systems
- Task 39: Commercialising Conventional Systems and Advanced Liquid Biofuels from Biomass
- Task 42: Biorefining in a Future Bioeconomy
- Task 43: Biomass Feedstocks for Energy Markets

All National Team Leaders (NTLs) attended an international Task meeting during the first half of the year to ensure our contribution to bioenergy activities on the international stage. A meeting summary was then prepared for each Task to highlight the lessons learnt and their potential applications in the Australian context. Indeed, the key outcome of our engagement with IEA Bioenergy is not only to increase the knowledge sharing, but also to use such

knowledge for the benefit to the Australian bioenergy industry.

Webinars, for example, are a useful educational and knowledge sharing tool, which allows the international knowledge to be used as driving force to strengthen the bioenergy sector in Australia. Bioeneray Australia constantly uses its extensive mailing lists and connections on social media to promote these events to members and non-members alike. During the reporting year, Bioenergy Australia held three IEA Bioenergy webinars (relating to the ARENA Tasks). Topics were:

- Greening the gas grid: An international perspective and opportunities for Australia
- **Decision Support** System for Biorefinery Transformation Strategies: **I-BIOREF Software** Platform
- Results of the First Large-Scale Trial of Fuel-Adapted Harvesting in Australia.

## **Australian Country Report for Bioenergy**

Bioenergy Australia developed the Australian Country Report for Bioenergy to be included in the IEA International Country reports, which will be published later this year. The report provides a general understanding of the bioenergy performance in Australia, the national policy framework and the main achievements in the sector.

## Looking at the future

Bioenergy Australia has developed a new Funding Agreement with ARENA in order to represent Australia on the International Energy Agency (IEA) Technology Collaboration Programme (TCP) on Bioenergy and coordinate broader engagement by the Australian bioenergy sector and relevant industry groups over the period 2019-2021.

The new Agreement includes the participation of Bioenergy Australia in two additional tasks over the next triennium. The selection of the new tasks is currently under discussion in order to ensure the decision being in line with ARENA's and, more broadly, Australia's priorities.

# GOVERNANCE

# MEMBERS OF THE BOARD OF DIRECTORS AS AT JUNE



#### **PAUL MCCARTNEY**

#### Chairperson

Paul McCartney is Chief Investment Officer (joint) at the Clean Energy Finance Corporation (CEFC). He has more than 25 years of business experience working across clean energy, commercial property, funds management and IT services. He is jointly responsible for leading the CEFC's Originations and Transaction team. Paul joined the CEFC in 2013, having worked at Low Carbon Australia since 2010. Prior to joining the CEFC, he gained significant experience across a variety of sectors including property, manufacturing, IT services and funds management at C level. Mr McCartney's experience includes M&A. in addition to CFO roles for public listed and unlisted companies. Paul is a Certified Practising Accountant and holds a Bachelor of Accountancy from RMIT University.



#### **HEATHER BONE**

#### **Deputy Chairperson**

Heather Bone is the Managing Director of RebusJ Sustainability. She was previously the CEO of the Biofuels Association of Australia, working closely with Bioenergy Australia. Heather has been the Chair of Australia's mirror committee for the development of ISO Sustainability Criteria for Bioenergy during which time she has been a strong advocate for closing the gap between industry and researchers across all forms of alternative fuels. Heather has a LLB (Hons) in Sustainable Development and Corporate Governance and has worked for 20 years in environmental sustainable development law, commercial, business development and marketing roles in mines and energy, transport and logistics in Australia and internationally and has worked extensively with numerous government departments, industry associations, scientific bodies, OEMs and international organisations.



#### **GAVIN MATTHEW**

Gavin Matthew is a Senior
Policy Manager with the
Australian Forest Products
Association (AFPA), with
responsibilities for the Pulp,
Paper & Bioproducts Chamber,
Softwood Manufacturing
Chamber, and key policy
themes of Climate Change,
Energy, and Trade.

Gavin has two decades of diverse experience in forest industry policy development and advocacy, natural resource management, wood processing and consulting. He holds a Bachelor of Science (Forestry) degree and a Bachelor of Economics degree both from the Australian National University and a Graduate Diploma in Applied Finance and Investment.



#### IAN O'HARA

Professor Ian O'Hara is a researcher specialising in bioenergy, biofuels and biorefining at Queensland University of Technology. In 2016, Ian was appointed by the Queensland Government as the first ever Queensland Biofutures Industry Envoy. As the Envoy, Ian provides strategic advice to government and assists in securing domestic and international investment within the Biofutures sector. Ian has a degree in chemical engineering, MBA and PhD in biofuel systems. Prior to joining QUT, lan worked in production management with Mackay Sugar Ltd where he managed sugar milling, refining and biomass cogeneration facilities and in policy development roles with the Australian Sugar Milling Council. Ian's current research interests are on the economics, engineering, and commercialisation of bioenergy and value added bioproducts technologies.



#### **BERNADETTE MCCABE**

A/Prof Bernadette McCabe is a principal scientist at the University of Southern Queensland's Centre for Agricultural Engineering and is National Team Leader for the International Energy Agency Bioenergy program Task 37: Energy from Biogas. Bernadette has a background in rumen microbiology and has 20 years' experience as an academic and researcher. Her research interest in energy capture, resource recovery of waste and biofertilisers has attracted over \$ 3.0 M in nationally competitive grants since 2010. Her research has been applied to the livestock and cropping sectors (both on and off farm and water utilities. Bernadette extends her science communication beyond high impact journals by regularly contributing to media outlets to boost public awareness of bioenergy and has promoted bioenergy in schools since 2007 through CSIRO's scientist in schools' program.



#### **PAUL HETHERINGTON**

Paul Hetherington is the Plant Manager at Ecotech Biodiesel. After over 20 years of experience in the industrial engineering sector, Paul commenced his career in the petroleum industry, through running a private contract maintenance business. In 2005, Paul then joined Ecotech Biodiesel, employed specifically to lead Bio Diesel production, and to project manage the new build of the plant. Paul was then invited to join the Gull Petroleum Executive team as Ecotech Manager, and has been successfully running the plant from this position since 2007.

Paul was a former board member of the Biofuels Association of Australia (BAA). He effectively managed and oversaw the merger of the BAA, with BioEnergy Australia, and was then elected onto the board of directors of this association.

# BA **Board Meetings //**

Six BA Board Meetings were held in 2017; on 20 July in Brisbane, by teleconference on 9 August, 7 September, 13 November, 22 November and 20 December. The meeting on 13 November was the last of the Board at that time, and was followed by the AGM and the election of two new directors. The 22 November meeting was a brief meeting held during the 2017 Annual Conference in Sydney to welcome the new Board Members.

In 2018, the Board met in February by teleconference, in March in Canberra and further meetings by teleconference in March, May and June.

The directors present their report for the Year ended 30 June 2018

### DIRECTORS

The directors in office at any time during or since the end of the year were:

Mark Brown (retired November 2017)

Colin Stucley (retired November 2017)

Paul McCartney (appointed September 2016)

Heather Bone (appointed September 2016)

**Gavin Matthew (appointed September 2016)** 

Ian O'Hara (appointed November 2017)

Bernadette McCabe (appointed November 2017)

Garry Mulvay (appointed December 2017, resigned March 2018)

Paul Hetherington (appointed March 2018)

### COMPANY SECRETARY

Shahana McKenzie held the position of Company Secretary at the end of the financial year and was appointed in August 2017.

#### **Policies Adopted By The BA Board Year Ended 30 June** 2018

**Delegations Policy** outlines the principles and operation of authority from the board in relation to members, officers and staff.

**Expenses and Complimentary** Ticket Policy details the financial support provided to BA directors and members serving on committees and in other roles within the organisation.

**Board of Directors' Charter** sets out the roles and responsibilities of the Board of Directors of BA.

#### **BA Members' Code of Conduct** and Member Statement

provides a framework for the conduct of BA members giving confidence to stakeholders about the integrity of our members.

#### For each director, particulars of the meetings attended during their period of directorship are shown below:

Director	Meetings eligible to attend	<b>M</b> eetings attended
Colin Stucley	4	3
Mark Brown	4	4
Paul McCartney	11	11
Heather Bone	11	11
Gavin Matthew	11	11
lan O'Hara	7	7
Bernadette McCabe	7	7
Gary Mulvay	2	2

#### **Directors' Qualifications**

Particulars of the directors' experience and special responsibilities (if any) of each director who held office during or since the end of the financial year are:

#### **Colin Stucley**

Director Enecon Pty Ltd. Mr Stucley holds Bachelor and Masters degrees in Chemical Engineering from University of Melbourne.

#### **Mark Brown**

**Director Forest Industries** Research Centre at University of the Sunshine Coast. He holds a Bachelor of Science Forestry Engineering from University of New Brunswick and a Masters in Engineering from the Universite du Quebec.

#### **Paul McCartney**

Paul was BA Treasurer until the AGM in November 2017 when he became Chairman. He is the Chief originations & Transactions Officer at the Clean Energy Finance Corporation (CEFC). He is a Certified Practising Accountant and holds a Bachelor of Accountancy from RMIT University.

#### **Heather Bone**

Managing Director of RebusJ Sustainability. Heather is the Deputy Chair to the BA Board. She holds LLB (Hons) in Sustainable Development and Corporate Governance.

#### **Gavin Matthew**

Senior Policy Manager at the Australian Forest Products Association (AFPA). He holds degrees of Bachelor of Science (Forestry) and Bachelor of Economics from the ANU. A Graduate Diploma in Applied Finance and Investment.

#### Ian O'Hara

Professor Ian O'Hara is a researcher specialising in bioenergy, biofuels and biorefining at Queensland University of Technology. He has a degree in chemical engineering, MBA and PhD in biofuel systems.

#### **Bernadette McCabe**

Principal Scientist at the University of Southern Queensland's Centre for Agricultural Engineering. Bernadette holds a Bachelor of Science (Honours) from University of Sydney and a PhD from Western Sydney University.

#### **Gary Mulvay**

Additional BA Director from the Biofuels Association of Australia (BAA). Executive General Manager Wilmar International until March 2018.

#### **Paul Hetherington**

Plant Manager Ecotech Biodiesel. Appointed additional director and former board member of the Biofuels Association Australia (BAA) from March 2018.

## STAFF

Shahana McKenzie, CEO and Company Secretary

Gillian Robinson, National Executive Officer

Catherine Scheen, National Manager Campaigns and Collaborations

Carly Wood, National Manager Events & Awards

Lisa Randone, National Officer Knowledge and Administration

# MEMBERS 2017-18

#### **Major Member - Government**

**Clean Energy Regulator** DPI, NSW

#### **Major Member - Company**

Australian Gas Infrastructure Group

**Caltex Australia Ecotech Biodiesel** Manildra Group

**Optimal** 

**Qantas Airways Ltd** 

**Unity Water** 

Virgin Australia

Scania Australia

Visy

Wilmar Bio-Ethanol Australia

#### **Standard Membership - Company**

**ABM Combustion** 

ADI Systems (New Zealand) Ltd

**Australian Future Energy** 

**Billion Equity Energy & Resources Pty Ltd** 

**Biodiesel Industries Australia Biogass Renewables Pty Ltd** 

**BPO Limited** 

**CLEAN Cowra Inc.** 

**Ductor Corporation** 

**DuPont Danisco** 

**Enecon Pty Ltd** 

**Energy 360 Pty Ltd** 

**Finn Biogas** 

Hitachi Zosen Inova Australia Pty Ltd

**Justsen Pacific** 

Lallemand

Licella Pty Ltd

**Maxi-Tankers Pty Ltd** 

Microbiogen Pty Ltd.

**Novozymes** 

**Pacific Heat and Power Pty Ltd** 

**Pyrocal Pty Ltd** 

**RebusJ Sustainability** 

**Recycling Technologies Group** 

**Southern Oil Refining** 

**TfA Project Group** 

**Timber Queensland** 

#### **Standard Membership - Government**

**Clean Energy Finance Corporation** 

DPI, WA

**Dept of State Development QLD** 

#### **Standard Membership - Industry**

**Australia Forest Products Association Ltd** 

**Australian Pork Limited** 

**Waste Management Association of Aust.** 

#### **Standard Membership - Research**

**Queensland University of Technology** 

Renewables SA, Dept of State Dev

**University of The Sunshine Coast** 

**CSIRO Energy Technology** 

**University of Southern Queensland** 

#### **Associate Membership**

**Alex Baumber** 

**Darren Deigan** 

**David Dore** 

Lars Hall

Kirsten Heimann

Prasad Kaparaju

Sam Leonard

**Tom Lewis** 

**Martin Moroni** 

Kishani Navaratnum

Nans Nielsen

Sonny Peng

**Graham Talbot** 

