

ARENA

BIOENERGY ROADMAP FREQUENTLY ASKED QUESTIONS

28 APRIL 2020



Frequently Asked Questions (FAQs)

1.1 WHAT IS BIOENERGY?

Bioenergy is energy generated from solid, liquid and gaseous products that have been predominantly derived from biomass. Biomass is any organic matter (biological material) that is available on a renewable basis, including material derived from animals or plants, municipal or industrial waste. End-uses include heat, electricity and transport fuel.

1.2 WHAT IS THE BIOENERGY ROADMAP AND WHAT ARE ITS OBJECTIVES?

ARENA is investing in the development of a roadmap to identify the role that the bioenergy sector can play in accelerating Australia's energy transition, stimulating regional development, enhancing energy security and helping Australia further reduce our emissions.

The Bioenergy Roadmap will help to inform the next series of investment and policy decisions in the bioenergy sector in Australia. It will be an important input into the Australian Government's Technology Investment Roadmap and will potentially help us capitalise on opportunities to enhance Australia's energy security and further reduce our emissions.

The Bioenergy Roadmap, expected to be completed in the second half of this year, will focus on:

- > Quantifying the economic opportunities for Australia, including a focus on regional Australia
 - > The potential for biofuels to decarbonise the industrial and transport sectors and contribute more broadly to Australia's liquid fuel security
 - > Assessing where Australia has a competitive advantage
 - > Identifying economic or regulatory impediments to future growth
 - > Providing clear findings for industry and government to help inform the next stage of development of the sector.
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1.3 WHAT IS ARENA'S ROLE IN THE BIOENERGY ROADMAP?

The Minister for Energy and Emissions Reduction, the Hon Angus Taylor MP, has asked the Australian Renewable Energy Agency (ARENA) to develop the Bioenergy Roadmap. ARENA has engaged ENEA Consulting and Deloitte Touche Tohmatsu to assist us with this process.

Over the past 8 years, ARENA has provided approximately \$118 million in funding towards bioenergy projects across Australia. ARENA's investments to date span electricity and biogas production, biofuels, efficient feedstock harvesting technology and projects that aim to capture energy from a range of waste materials.

The Bioenergy Roadmap will leverage the existing work undertaken by ARENA in the bioenergy sector as well as work completed by the Clean Energy Finance Corporation (CEFC) and other Commonwealth Agencies.

1.4 HOW IS THE BIOENERGY ROADMAP BEING DEVELOPED?

Following a competitive process in early 2020, ARENA appointed a combined team of ENEA Consulting and Deloitte Touche Tohmatsu to lead the development of the Bioenergy Roadmap.

The Bioenergy Roadmap will build on the experience and expertise of ARENA and its appointed consulting team and will be developed through a combination of stakeholder consultation, data collection and evaluation, scenario analysis and modelling of economic impacts.

1.5 WHAT IS THE PURPOSE OF THE STAKEHOLDER CONSULTATION?

Bioenergy projects are cross-sectoral by nature and necessitate the coordinated efforts of a multitude of stakeholders, ranging from energy, agriculture and forestry, infrastructure, environment, technology and innovation, to economic and social affairs. As such, an effective Bioenergy Roadmap requires a broad stakeholder consultation process where the views of businesses, research groups, industry associations, community groups and individuals are considered and taken into account.

1.6 WHAT ARE THE TIMEFRAMES FOR THE BIOENERGY ROADMAP PROCESS?

The stakeholder consultation phase will commence in April 2020 and will run through May 2020. The information gathered during this stage will be considered and incorporated into the development of the Bioenergy Roadmap report, with the Final Report expected to be finalised later this year.

1.7 HOW CAN I ASK FURTHER QUESTIONS?

We will regularly update these FAQs. Should you have a question that is not covered, please contact us at bioenergyroadmap@arena.gov.au.

Further information is available at
arena.gov.au

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