

The ability of bioenergy and biofuels to reduce GHG emissions in NZ

Grant Smith Chair, Brian Cox Executive Officer, Bioenergy Association

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New Zealand can achieve a significant amount of greenhouse gas emissions reduction by use of bioenergy and biofuels for electricity, heat and transport.

Bioenergy and biofuels could be a significant part of the solution for reducing New Zealand's GHG emissions, increasing our energy security, enhancing regional development, and maintaining access to international markets for our goods and services.

The Bioenergy Association has been working to quantify the opportunities and to identify the barriers. This information will be presented and discussed through the webinar.

The association encourages attendees to discuss the presented vision and assist its finalisation.

Key findings from the analysis:

- Replacement of fossil fuels for process heat are long term decisions made when plant requires replacement or there is expansion of heat demand. Cofiring biomass with coal can provide a transition.
- There is adequate biomass for 60% of process heat to be transitioned from fossil fuels to biomass fuels. Additional biomass can be sourced from waste and biomass from farm forestry which are under developed resources.
- Production of biomethane from organic waste can provide a useful transport fuel.
- Drop-in biofuels from non-food feedstocks, particularly forestry grown on non-arable land, is the most attractive longer-term opportunity
- Government policy support will be needed to speed up transition to a low-emissions economy because market forces alone will not be sufficient.

The Bioenergy Association invites anyone interested in how bioenergy and biofuels could contribute to a sustainable low carbon future to attend this webinar.

Booking a Place at the Webinar

- **Bookings:** - Bookings are essential in order to connect to the GoToMeeting system. Please book your place at this event using <https://register.gotowebinar.com/register/1068772975175962625> or email admin@bioenergy.org.nz to be sent the link.
- **Continuing Professional Development:** - The Bioenergy Association supports members by providing opportunities such as this webinar that contribute towards Continuing Professional Development and maintaining registration as a biogas adviser. Contact the Executive Officer for more details at executive@bioenergy.org.nz

Grant Smith is the Chair of the Bioenergy Association. Grant has a wealth of experience in the energy sector having worked in the electricity and the heat markets developing new projects from feasibility to commercial operation. He is now an independent consultant assisting clients secure the opportunities.

Brian Cox is the Executive Officer for the Bioenergy Association and draws on his experience in government policy areas, national resource development and commercial project development to assist the bioenergy and biofuels sector to contribute to the community and business achieve economic societal and environmental benefits from use of bioenergy technologies.

Attendance at this webinar is **FREE** courtesy of EECA Business.