

Bioenergy Association's Vision for Converting Residual Organic Waste to High Value Biogas and Biofertiliser

Vision

By 2030 the production of biogas and biofertiliser via anaerobic digestion is commercially viable and an integral part of rapidly decarbonising energy system and resilient and sustainable food production in New Zealand, true to the principles of circular economy.

By 2050, NZ will have adopted the use of anaerobic digestion for production of biomethane from purpose grown agricultural crops. Anaerobic digestion derived biomethane will become a sustainable circular economy and industrial feedstock of choice to produce cost effective, sustainable and zero carbon bioplastics, biomaterials, biofertilisers and biofuels.

Mission statement

The Bioenergy Association advocates for recognition of Waste-to-Biogas technology as an integral part of a sustainable circular economy, thriving society and regenerating environment. We'll do this by:

- *Growing awareness of the high economic and environmental value of biogas*
- *Building understanding and advocating for clear rules on how digestate can be managed to maximise its value as a fertiliser*
- *Advocating for policy measures that develop biogas and digestate markets*
- *Growing awareness through demonstrating of potential of other value streams from anaerobic digestion, including high-grade CO₂, building blocks for bio-based products and high-quality fertiliser.*
- *Advocating for source separation of organic waste to maximise potential biogas generation and minimise the emissions produced at landfills*
- *Clarifying and supporting the removal of policy/regulatory barriers to the growth of the Waste-to-Biogas industry*
- *Developing understanding of the Waste-to-Biogas pathway in relation to Mātauranga Māori*
- *Growing awareness and demonstrating the societal benefits of Waste-to-Energy in building regional economic resilience.*
- *Actively encouraging the development of integrated farming practices that stimulate production of valued industrial feedstocks as part of our food production system (together with the NZ dairy processing and food sector).*

Our mission will be supported by the following actions:

- *Working with central and local government on policy development and advocacy*
- *Developing technical resources and participating in research and development*
- *Providing an information platform for reliable, comprehensive information on waste to biogas*
- *Creating a biogas community for members to exchange ideas and assist each other*
- *Working with the NZ dairy processing and food sector on innovative farming practices that maximise capture, sequestration, upcycling and re-use of carbon to maximise sustainability of farming*