

Framework for refresh of the NZ Bioenergy Strategy

Bioenergy and biofuels market

Market drivers	Categories	Fuel source	User	Target 2030	Focus
Direct Heat from biomass	(Domestic) Micro heat plant <0.5MWt	Purchase firewood and pellet fuel	Private		Regulations for controlled biomass heating in airshed
	(School scale) Small heat plant 0.5-2MWt	Purchase biomass and pellet fuel	Government facilities	xxPJ	Work with Ministry of education and regional education advisers
	(Commercial scale) Medium heat plant 2-10MWt	Own woodfuel Purchase solid biofuel	Wood processors	100% heat from biomass	Support owner/operators
			Govt facilities		Work with Ministry of health, Corrections
			Food processing		
	(industrial scale) Large heat plant 10<	Own woodfuel Purchase solid biofuel	Wood processors	100% heat from biomass	
Food processing				<ul style="list-style-type: none"> Develop wood fuel supply market through focus on medium scale heat plant so that adequate availability of fuel Support coal/wood fuel mix. 	
Obtaining value from waste and methane removal using waste to energy technologies	Waste to heat and electricity from solid waste	Landfill Own fuel/purchase	Municipal and trade waste		<ul style="list-style-type: none"> Generic promotion to get waste owners engaged Find high value uses of the biogas produced
	Heat and electricity from liquid waste	WWTP	Municipal and trade waste		Assist facilities to be 100% using the methane produced to reduce operating costs
	Heat and electricity from Food processing and agricultural waste	Food processing residues Dairy Piggeries	Food processing and agricultural		Develop off-the shelf guides
Low emissions and low carbon transport	Liquid biofuels	Lignocellulosics Trans esterified vegetable oils(Biodiesel)	Fleet operators		
			retail		Assist producers/retailers expand their existing markets
			Marine and rail		Pilot use of biocrude in marine and rail applications
	Gaseous biofuel	Biogas	Point source operations		Wait and see Pilot use of biogas as a vehicle fuel.
Generic activities	Monitoring and reporting <ul style="list-style-type: none"> Expand database of target opportunities in each category Establish mechanisms for collection of data on bioenergy use Annual reporting of 				
	Expand use of BANZ Quality programme <ul style="list-style-type: none"> Credited fuel suppliers Registered advisers Standards training 				
	Develop advocacy plan for each category <ul style="list-style-type: none"> Target facility owners Decision makers Prepare information pack for each category 				

Wood Energy Interest Group	Wood Pellet sub group	Biogas and Waste to Energy Interest Group	Liquid Biofuels Interest Group
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