

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Whakatane Mill	Whakatane Mill produces paper and packaging products, mostly for export. It has operated for more than 80 years and is Whakatane's largest private employer.	Whakatane, Bay of Plenty	Whakatane Mill Limited Stage 1 Carbon Reduction - Disc Filter	Installing a disc filter and required other equipment (tanks, piping, pumps, etc) to close up mill water cycle and thus increase process temperature without additional coal usage	\$4,000,000.00	20,320
The Tasman Tanning Company Limited	Tasman Tanning is an end to end leather manufacturer located in Wanganui, New Zealand, producing leather products for export and third-party contract tanning. We currently have 260 employees across two sites both located on Heads Road in Castlecliff, Wanganui.	Whanganui, Manawatū-Whanganui	Infrared leather dryers and wastewater source heat pump.	Infrared (electric) leather dryers will replace natural gas heated steam leather dryers in the finishing plant. A heat pump using wastewater as a heat source will replace natural gas water heaters at the tanyard and dyehouse operations.	\$492,731.00	1,730
New Zealand Sugar Company Limited	NZ Sugar is the only sugar refinery in New Zealand. NZ Sugar operates from 2 sites, employs approximately 200 people, produces approximately 210,000 t p.a. of sugar products. Approximately 20% of the volume is exported. NZ Sugar is owned by Wilmar International.	Auckland	NZ Sugar – New Evaporator and Mechanical Vapour Recompression (MVR) Project	Replacing the existing Evaporator and Thermal Vapour Recompression (TVR) system with a new Evaporator and Mechanical Vapour Recompression (MVR) system.	\$400,000.00	2,760
ANZCO Foods Limited	ANZCO Foods Limited is one of New Zealand's largest meat processing companies with sales of \$1.7B and customers in more than 80 countries. 100% owned by Japan based Itoham Yonekyu Holdings, ANZCO operates 10 manufacturing facilities in NZ employing more than 3,000 people."	Ashburton, Canterbury	ANZCO Canterbury Beef Processing Plant High Temperature Heat Pump	Installation of a 1MW High Temperature Heat Pump to reduce coal fired steam generation and provide hot water for processing at the ANZCO Canterbury Beef Processing Plant.	\$400,000.00	3,080
Prime Range Meats Ltd	Prime Range Meats is an Invercargill based export meat company located on outskirts of town employing 180 staff on a full time basis. The company is 100% owned by Cuilam (New Zealand) Food Company Limited, with an annual turnover in excess \$70 million per year.	Invercargill, Southland	Prime Range Meats Decarbonisation Project	This project is the first stage in implementing Prime Range's Low Carbon Strategy using energy efficiency and technology upgrades that will reduce lignite use by 50%. Fuel switching options will be investigated later as Prime Range is committed to removing all lignite use	\$338,887.00	2,210
Evonik Peroxide Ltd	Evonik Peroxide Limited is an industrial chemical manufacturing plant located in Morrinsville, Waikato. It has 26 employees and generates \$25 million in sales. Evonik Peroxide is owned by Evonik Industries AG	Morrinsville, Waikato	Morrinsville Hydrogen Plant Efficiency Upgrade	This project will reduce natural gas use at the Morrinsville plant by 6% (17,000 GJ pa). It will increase heat recovery and improve hydrogen yield through an LTS catalyst-based reactor, reducing emissions by 920 tCO2 pa.	\$338,000.00	970
Talley's Limited - Blenheim	Talley's Seafood and Vegetable processes a wide range of vegetables and shellfish across New Zealand. It forms part of the wider Talley's Group of companies and employ over 700 people New Zealanders.	Blenheim, Marlborough	Steam optimization and fuel switching	The project provides a steam manifold to reduce energy lost to large swings in steam load caused by poor flow within the pipe network. Additionally the project replaces three diesel and two coal boilers. The Blenheim plant operates both vegetable and shellfish production.	\$1,000,000.00	3,830
Pioneer Energy Limited	Pioneer Energy's 65 staff manage electricity generation and thermal heat plants producing ~350GWh pa that is injected into local distribution networks or co-located with industrial plant with turnover of \$102m pa. 100% shareholder Central Lakes Trust has distributed over \$75m to	Timaru, Canterbury	Decarbonising heat supply to industrial businesses connected to the Washdyke Energy Centre	GIDI co-funding will bring forward recommissioning of a 10MW biomass boiler, installation of an automated woody biomass fuel handling system for this and the recently converted to biomass coal boiler (and de-energising a 6MW coal-fired boiler) supplying heat and steam to Pioneer'	\$900,000.00	14,000

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Silver Fern Farms Limited - Pareora	Silver Fern Farms are New Zealand's largest livestock processing and marketing company. They are a leading procurer, processor, marketer and exporter of premium quality lamb, beef and venison, to over 60 countries. They produce 30% of all New Zealand lamb, beef and venison, in partnership with 16,000 sheep, beef and deer co-operative farmers, across 14 plants with 7,000 staff in the peak of the season.	Pareora, Canterbury	Pareora Hot Water Heat Pump Project	This project is to install a high temperature heat pump at the Pareora site to preheat hot water for the processing plant, shifting heating load away from the existing coal boiler.	\$967,751.00	5,580
Hautapu Pine Products Limited	Hautapu Pine is a family-owned specialist producer of fence posts, poles and house piles, located just north of Taihape. With over 50 employees in total and over 35 on site, it is amongst the largest employer in the Taihape region.	Taihape, Manawatu-Whanganui	Hautapu Pine - replacing two coal boilers with a 3.2MW wood boiler from Denmark.	Hautapu Pine currently uses two coal boilers to generate steam to prepare posts and poles for treatment. This project would replace 100% of the coal usage by installing a 3.2MW wood boiler.	\$913,500.00	2,780
AFFCO New Zealand Limited - Wairoa	AFFCO has been at the forefront of the meat industry for over 100 years. They export more than 150,000 tonnes of lamb and beef meat products to over 80 countries each year. In addition, they also produce veal, mutton, goat, leather, hides, protein meals, tallow, wool and blood serums. AFFCO is part of the Talleys Group of companies and employs over 2800 people across 9 plants throughout NZ. "	Wairoa, Hawkes Bay	Heat Recovery & Boiler Replacement	The Wairoa plant is working on building a new ammonia engine room to support new freezing equipment. This energy project is intended to increase the scope of the engine room to recover higher temperature water to reduce the boiler size requirements and replace the coal boiler.	\$2,800,000.00	8,020
Southern Paprika Limited	SPL is NZ's largest single site horticulture grower. Comprising of 26 hectares of glass houses. SPL is privately owned by the Alexander and Levarht families. Business employees 160 people, turnover of \$35m per year. 40% expansion is planned, 65 new jobs subject to energy solution	Warkworth, Auckland	SPL Energy Screen and Energy Transition Enable Project	This project looks to install high efficiency energy screens for Southern Paprika's Warkworth site. The project will install screens into 5Ha of glasshouse in a single complex, reducing heat loss through the evening, reducing reliance of gas boilers and increasing crop yield.	\$330,000.00	1,330
Van Lier Nurseries Ltd	Privately owned limited liability company, owners Theo and Harry Van Lier ; Horticulture; Cut flower production and plant propagation; two sites- Riverhead and Massey in Auckland; 38 employees with annual turnover of \$5,635,000.	Riverhead, Auckland	Decarbonisation of boiler process heat	Van Lier Nurseries is located in Riverhead and produces cut roses and plants. Heated glasshouses are required with high carbon emitting natural gas boilers providing the heat. The project aims to replace the boilers with a low carbon heat pump alternative.	\$214,900.00	770
Pacific Coilcoaters	Pacific Coilcoaters manufactures Colorcote® roofing and cladding products. It is a business unit of Fletcher Steel that collectively employs almost 800 New Zealanders at 13 locations across the country. Fletcher Steel is a division of Fletcher Building Limited, New Zealand's largest producer of construction and building supplies.	Penrose, Auckland	Significant decarbonisation of the painting process for Colorcote® products	"Existing gas-fired ovens and oxidisers at Colorcote® are approaching the end of their life. This presents a rare opportunity to explore alternative technologies beyond simple replacement and therefore accelerate carbon reduction ambitions by switching away from fossil fuel."	\$705,000.00	2,870
Meadow Mushrooms Ltd	Meadow mushrooms is a privately owned, horticultural company providing fresh mushroom nationwide. We have 4 sites and approximately 470 employees.	Christchurch, Canterbury	Replacing a diesel boiler with a low carbon electric option	Replacing the diesel fired boiler at Meadow Mushroom's main growing and packing site in Hornby, Christchurch, with a low carbon electric boiler is key to achieving this. The boiler mainly provides live steam for sanitising purposes. The company goal is to become a Net Zero business by 2025.	\$400,000.00	1,300
Asaleo Care New Zealand Limited	Asaleo Care produces toilet and towel tissue products for the commercial, public, health care, food service and industrial sectors. It operates in NZ, Australia and Fiji.	Kawarau, Bay of Plenty	Asaleo Care Project Korohū - Kawarau Paper Machine 3 (KPM3) Decarbonisation	This Project involves converting the heat source used to dry tissue paper manufactured on one of two paper machines (KPM3) located at the Kawarau Site - in the Eastern Bay of Plenty - from natural gas to locally owned renewable geothermal steam.	\$1,650,000.00	5,460

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Mataura Valley Milk Limited	Mataura Valley Milk Ltd (MVM) is a world class dairy based nutritional facility located in Gore, Southland. MVM will be acquired by The a2 Milk Company in July 2021. MVM was established in 2018 and is supplied by 34 farms.	Gore, Southland	Project 'Recharge' - Symbolising new beginnings and renewable energy	A new 15 MW high pressure steam electrode boiler will be installed to replace all current coal fired heat duties on the MVM site. Certified renewable electricity will be sourced from the Meridian Process Heat Electrification programme.	\$5,000,000.00	22,380
Synlait Milk Ltd	Synlait combines expert and sustainable farming practices with state-of-the-art manufacturing processes to produce a range of dairy based nutritional products that provide genuine benefits for human health and wellbeing. Synlait's commitment to elevating people and planet to the same level as profit was recognised in June 2020 when it became part of the B Corp™ community. They operate from six manufacturing sites throughout NZ, employing over 900 people.	Dunsandel, Southland	Electrode Boiler Maximisation	Synlait installed NZ's first Electrode Boiler in March 2019 for its new liquids factory. Synlait plan to maximise the use of the Electrode Boiler by connecting it to Synlait's main site, displacing coal usage in its boilers in the process.	\$841,000.00	18,370
Alliance Group Limited – Mataura	Alliance Group is a leading farmer co-operative exporting lamb, beef, venison and co-products to more than 65 countries. Alliance utilises world-class technology, meticulous production values, the highest levels of ethical production and strong adherence to environmental sustainability, that all contribute to a reputation for food excellence. They employ over 5000 people and operate 8 processing plants that are strategically located close to prime stock producing areas: 2 in the North Island and 6 in the South Island. They deliver around 15% of the world's export traded sheepmeats, produced chilled or frozen for wholesale trade through to direct retail sale.	Mataura, Southland	Mataura High Temperature Heat Pumps and Mechanical De-watering.	This project includes a heat pump system and mechanical sludge drying, which combined will removed almost all steam load. This will make it economically feasible to replace the highly inefficient coal boiler with a small diesel boiler used only for peaking.	\$750,000.00	6,400
Alliance Group Limited – Lorneville	Alliance Group is a leading farmer co-operative exporting lamb, beef, venison and co-products to more than 65 countries. Alliance utilises world-class technology, meticulous production values, the highest levels of ethical production and strong adherence to environmental sustainability, that all contribute to a reputation for food excellence. They employ over 5000 people and operate 8 processing plants that are strategically located close to prime stock producing areas: 2 in the North Island and 6 in the South Island. They deliver around 15% of the world's export traded sheepmeats, produced chilled or frozen for wholesale trade through to direct retail sale.	Lorneville, Southland	Alliance Lorneville Electrode Boiler Project	This project will use an electrode boiler to provide process heat for steam and hot water at the site as a partial replacement for the existing coal boilers.	\$5,000,000.00	11,730
Alliance Group Limited - Smithfield	Alliance Group is a leading farmer co-operative exporting lamb, beef, venison and co-products to more than 65 countries. Alliance utilises world-class technology, meticulous production values, the highest levels of ethical production and strong adherence to environmental sustainability, that all contribute to a reputation for food excellence. They employ over 5000 people and operate 8 processing plants that are strategically located close to prime stock producing areas: 2 in the North Island and 6 in the South Island. They deliver around 15% of the world's export traded sheepmeats, produced chilled or frozen for wholesale trade through to direct retail sale.	Smithfield, Canterbury	Smithfield Heat Recovery Project	This project will capture waste heat from the refrigeration plant and use this to heat water which is currently done with coal. This water can be used across the plant.	\$398,000.00	3,810

Withdrawn projects

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CWF Hamilton & Co Ltd	CWF Hamilton is a private company that manufactures aluminium water jets and controls. The company has offices in Singapore, UK and USA with all manufacturing in NZ. Total worldwide employees is close to 400 with approx. 250 in NZ.	Christchurch	Conversion from LPG based aluminium melting to electric.	The project will replace several existing LPG fired melters with electric furnances at its Christchurch site where melting aluminium is core to the business operations for high precision castings.	\$150,000	450
Golden Bay Cement	GBC is a trading entity of Fletcher Concrete and Infrastructure Ltd and operates NZ's only cement factory near Whangarei producing around 1 million tonnes of cement per year. With 200 direct employees in NZ it is a major employer in Northland.	Bay of Plenty	Biomass dryer for Pozzolan extraction and milling project.	This Project replaces a gas fired dryer with a wood pellet dryer at a new build facility. GBC will extract and process natural pozzolans in the Bay of Plenty as a cement supplement to reduce the amount of embodied CO ₂ in concrete by up to 30% cement whilst improving concrete durability.	\$750,000	2,360