

[REDACTED]

4 October 2023

Dear [REDACTED]

Re: Official Information Act Request:

Thank you for your email of Wednesday 6 September 2023 in which you requested information under the Official Information Act 1982. You requested:

A list of all EECA funded projects (Either via GIDI or RETA or other means), towards:

- *Any past funding for the full cost of biomass generators and/or boilers for private or public entities. I request a list of each payment, who each recipient was, and what the project was with any relevant information.*
- *Previous funding or financial mechanism towards the cost of biomass generators and/or boilers for private or public entities. I request a list of each payment, who the recipient was and what the project was, with any relevant information.*
- *Planned funding, financial support or subsidies for biomass generators to private or public entities.*
- *Any plans for funding for torrefaction plants to create biomass pellets as used by Genesis Energy in their recent trial.*

EECA queried your eligibility under the OIA. On Friday 15 September, you confirmed that you are based in Australia. EECA later advised that based on the information you provided, you are not eligible under the OIA. However, we decided we would fulfil your request regardless.

See EECA's response to your questions below.

- 5. Any past funding for the full cost of biomass generators and/or boilers for private or public entities. I request a list of each payment, who each recipient was, and what the project was with any relevant information.*
- 6. Previous funding or financial mechanism towards the cost of biomass generators and/or boilers for private or public entities. I request a list of each payment, who the recipient was and what the project was, with any relevant information.*

For a list of previous funding/financial mechanisms for biomass generators and boilers, refer to the attachments for project information:

Attachment One: Government Investment in Decarbonising Industry (GIDI) Fund.

Attachment Two: State Sector Decarbonisation Fund (SSDF).

Attachment Three: Technology Demonstration (Tech Demo).

Attachment Four: Wood Energy South (WES).

7. Planned funding, financial support or subsidies for biomass generators to private or public entities.

EECA's Biomass Supply Chain Investment Fund is part of the expanded Government Investment in Decarbonising Industry (GIDI) Fund and is open for businesses and public sector organisations.

Registrations of interest are now closed. Successful applicants will be invited to engage in a Request for Proposals (RFP).

8. Any plans for funding for torrefaction plants to create biomass pellets as used by Genesis Energy in their recent trial.

EECA has no current plans to fund torrefaction plants. Therefore, this part of your request is refused under Section 18(e) – that the information requested does not exist.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

Please note that it is our policy to proactively release our responses to official information requests where possible. Our response to your request will be published shortly at <https://www.eeca.govt.nz/about/news-and-corporate/official-information/> with your personal information removed.

Yours sincerely



Dr Marcos Pelenur
EECA Chief Executive

GIDI Round One Summary

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Wool Works New Zealand	<p>Is the sole service provider for wool scouring in New Zealand, with sites in Napier, Hastings, and Timaru. WoolWorks handles approximately 106,000 tonnes or 76 per cent of all wool grown in New Zealand and is the largest single wool handler in the world.</p> <p>The Washdyke operation employs more than 50 staff and is a significant contributor to the local economy, spending \$10 million through wages, utilities and contractors each year.</p> <p>In 2006, there was a \$20 million upgrade of the Washdyke site, making it the most modern wool scour in the world. Since then, WoolWorks NZ has continued to invest approximately \$3.5 million per annum into modernising their operations to become the lowest total useful energy early processor on the planet.</p>	Timaru, Canterbury	Electrode boiler, high temperature heat pump, and demand reduction.	Utilisation of low carbon technologies and energy efficiency to replace a 6 MW coal fired steam boiler.	\$3,650,000.00	11,800
Alliance Pukeuri	<p>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.</p>	Pukeuri, Otago	Pukeuri Heat Pump Project	Heat capture from Refrigeration plant to produce high temperature water using industrial heat pumps to displace coal use.	\$1,683,400.00	9,030
Alliance Lorneville	<p>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.</p>	Lorneville, Southland	Lorneville Energy Optimisation and Electrification Opportunities	Process heat demand reduction and electrification project at a meatworks plant	\$1,591,300.00	6,760
McCain Timaru	<p>Is a large vegetable processor operating across 2 sites (Timaru and Hastings).</p> <p>McCain Foods processes more than 200,000 tonnes of potatoes and vegetables annually which supplies major fast food and supermarket chains, food services and restaurants. It has two processing plants in New Zealand with a permanent workforce of more than 300 employees nationwide.</p> <p>The Timaru plant operates 24 hours, seven days a week to process potatoes into a range of consumer frozen chip products. Energy demand is significant.</p>	Timaru, Canterbury	McCain Foods Timaru Boiler Conversion and Fryer Heat Recovery	McCain Foods will convert existing coal boiler to biomass fuel to reduce carbon emissions. In addition it will implement heat recovery from the frying system to reduce steam demand.	\$2,876,500.00	33,810
Synlait	<p>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.</p>	Dunsandel, Canterbury	Boiler Two conversion from coal to Biomass	Synlait currently operate 3 coal boilers at their Dunsandel site. Boiler 2 (which is 15MW and currently runs on coal) will be converted to operate on 100% wood pellet. Once the boiler is fully optimised, it will reduce CO2 emissions at the site by approximately 40,000 tonnes per annum.	\$611,500.00	28,500
JS Ewers	<p>JS Ewers is one of the largest producers of both indoor and outdoor produce in New Zealand. They have been growing and selling premium quality produce throughout New Zealand for the past 45+ years including tomatoes, capsicums and eggplants. Today they operate one of the most sophisticated growing operations in the world with 13 hectares of glasshouse and 250 hectares of outdoor land producing vegetables 365 days of the year. They work to ensure their crop's journey from seed to customer follows a sustainable path and each step is given the nurturing attention it deserves. They employ up to 200 people a growing season.</p>	Richmond, Nelson	Fuel switching project to replace coal fired boilers - Low Carbon Fuel Switching	Reducing CO2 emissions by replacing current coal boilers with advanced biomass plants.	\$4,078,000.00	26,920
Silver Fern Farms	<p>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.</p>	Christchurch, Canterbury	Belfast Hot Water Heat Pump Project	Project is to install a high temperature heat pump to pre-heat hot water for the processing plant, reducing coal consumption.	\$795,300.00	2,970

Note: We have highlighted the biomass projects in yellow. All information in this document is publicly available at <https://www.eeca.govt.nz/co-funding/industry-decarbonisation/approved-gidi-projects/>

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Silver Fern Farms	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.	Finegand, Otago	Finegand Heat Recovery and Heat Pumping Project	This project will reduce water flows across site, capture waste heat from the refrigeration plant, and install high temperature heat pumps to collectively heat water, which can be used within the plant.	\$3,027,075.00	10,500
Napier Pine	Napier Pine began trading in 1999 as a small sawmill operation with just 4 employees. With continuous re-investment of profits into the business and the local economy, their business has grown and the workforce has gradually increased to over 60 employees by 2017. In 2018, Napier pine further demonstrated their commitment to the Hawkes Bay by the completion of a multi-million dollar sawmill facility in Hastings. Napier Pine exports high grade radiata products in the region of 50,000m ³ p.a. to Europe, USA, Asia and Australia.	Hastings, Hawkes Bay	Napier Pine Wood Boiler Project – replacing 4MW natural gas boiler	Napier Pine will purchase a brand new 4MW biomass boiler that will operate at their Hastings site. The biomass boiler will supply steam to their wood drying kiln and eliminate gas consumption. The bark, shavings and sawdust used to fuel the biomass boiler are produced on-site negating the need for product to be shipped to site.	\$995,000.00	4,160
AFFCO	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.	Invercargill, Southland	South Pacific Meats Awarua Biogas Project	Use biogas captured from the covered anaerobic lagoon as a fuel to heat water. This will reduce the reliance on using coal/LPG to generate hot water for sterilisation, and thereby create a path forward to a lower carbon site.	\$406,083.00	1,730
Westland Dairy Company Limited	Westland Dairy Company are the 4th largest NZ dairy company, employing over 500 people with milk supplied by over 400 farms across the West Coast and Canterbury. Milk processing results in products such as milk powder, proteins and cream products that are consumed across a wide range of baking, nutritional and consumer products (such as yoghurt, cheese, icecream, confectionary and beverages).	Hokitika, West Coast	Westland Milk Products Demand Reduction Implementation	This project seeks to make a tangible difference to Westland's thermal fuel consumption by implementing several process and utility improvement projects which will enable the site to prepare for future decarbonisation investment.	\$1,768,800.00	8,440
AFFCO	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.	Malvern, Canterbury	SPM Malvern Boiler to Heat Pump conversion	Replacement of coal fired boiler with high temperature heat pumps.	\$950,000.00	3,450
Goodman Fielder Limited	Goodman Fielder are a leading regional food company. They manufacture, package, distribute, market and sell a wide range of food products including dairy, baked and grocery items for Kiwis. They produce many consumer brands that people know and love including: Meadow Fresh, Helga's, Wonder White, Puhoi Valley, Crest, MeadowLea, Edmonds, Vogel's, Molenberg and many more. They also export Meadow Fresh UHT milk internationally. They have 13 manufacturing sites in New Zealand and employ 1800 people.	Palmerston North, Manawatu-Whanganui	Longburn High Temperature Heat Pump Project	Installation of a High temperature heat pump using waste heat from refrigeration units to reduce LPG consumption by 1,200tCO ₂ /annum (25% of site CO ₂ emissions).	\$210,000.00	1,200
New Zealand Starch Limited	New Zealand Starch develops, manufactures and markets a range of products including specialty starches and sweeteners for food and industrial use, from local and imported ingredients. NZ Starch continually strives to deliver quality New Zealand made products, to be delivered all around the world and employ 60 people from their Penrose site in Auckland.	Penrose, Auckland	Heat Recovery of Waste Steam using a Spray Condenser	Use vapour from gas-powered triple effect evaporator to provide process heat to other parts of the plant that require low grade heat but are currently also heated by gas-produced steam.	\$150,000.00	640
Open Country Dairy Boiler 2	Open Country Dairy is New Zealand's largest independent dairy manufacturer and the second largest dairy exporter of whole milk powder in the world. Open Country Dairy's purpose is to deliver the world, the highest quality dairy ingredients, made from premium New Zealand milk. Since 2004, they export quality Milk Powders, Milk Proteins, Milk Fats and Cheeses around the world. They operate from multiple processing sites across New Zealand including: Auckland, Horotiu, Waharoa, Wanganui and Awarua.	Waharoa, Waikato	Reducing emissions with Waharoa Boiler 2 conversion through fuel switching from coal to Biomass	Boiler 2 conversion and efficiency improvement at Waharoa: The second project will convert another existing coal fired steam boiler to wood pellets and install a Reverse Osmosis boiler feed water treatment plant that will reduce steam wasted from purging water impurities	\$3,264,250.00	23,780

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Open Country Dairy Boiler 1	Open Country Dairy is New Zealand's largest independent dairy manufacturer and the second largest dairy exporter of whole milk powder in the world. Open Country Dairy's purpose is to deliver the world, the highest quality dairy ingredients, made from premium New Zealand milk. Since 2004, they export quality Milk Powders, Milk Proteins, Milk Fats and Cheeses around the world. They operate from multiple processing sites across New Zealand including: Auckland, Horotiu, Waharoa, Wanganui and Awarua.	Waharoa, Waikato	Reducing emissions with Waharoa Boiler 1 conversion through fuel switching from coal to Biomass	Boiler 1 (11 MW steam boiler) : Open Country Dairy will convert an existing coal fired steam boiler to wood pellets.	\$1,735,750.00	11,310

GIDI Round Two Summary

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 an 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 a10MW 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

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
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

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
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

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
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

GIDI Round Three Summary

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Gourmet Paprika Limited	Gourmet Paprika Limited is a New Zealand owned company (95% Gourmet International Holdings Limited and 5% by Hauhungaroa Partnership) specialising in growing capsicums and tomatoes in glass houses, and blueberries outdoors.	Auckland	Insulation screens for existing glass houses to reduce nature gas use	Installation of screens in 12.1 hectares of glass houses located in Woodhill and Kumeu in Auckland. This will lower operating costs of the glass houses by reducing Natural Gas use and directly reduce production of carbon released to the atmosphere .	\$575,250	2,820
South Pine (Nelson) Limited	South Pine is a sawmill and timber drying business located in Nelson. They currently employ 89 people.	Nelson	Biomass Fuel optimiser and biomass bin	A biomass fuel optimiser will be installed along with a larger 500 m3 biomass bin. The project will see biomass energy replacing all the coal used in the timber drying yard.	\$220,000	720
Canterbury Spinners Limited	Canterbury Spinners Ltd (Godfrey Hirst New Zealand - Mohawk Industries INC.) operates a textile manufacturer plant in Oamaru. It produces Woollen Carpet Yarn, processing 2.5 plus million kilos of NZ Cross Bred Wool per year and employs approximately 125 people.	Oamaru, Otago	Heat recovery and process heat electrification	The decarbonisation of CSL Oamaru's process heat plant through heat recovery and process heat electrification will make it one of the most low carbon textile yarn manufacturing plants in the New Zealand, setting a benchmark the other plants will strive to meet.	\$1,368,570	3,050
Papakura Timber	Papakura Timber is a sawmilling, timber processing and exporting company operating across three companies in Auckland and Putaruru. Papakura Timber Processors employs approximately 65 people.	Papakura, Auckland	Installation of a wood boiler for kiln dryers	Install a 1.2MW wood shavings boiler to displace a gas fired steam boiler used for timber drying in kilns.	\$395,750	1,330
Ravensdown Limited	Ravensdown is a co-operative which imports, manufactures and distributes fertiliser and other nutrients and agricultural inputs. They have 62 sites nationwide and employ approximately 660 people.	Dipton, Southland	Coal to biomass conversion	Installation of New Zealand made combustor at existing lime manufacturing facility to facilitate burning biomass in place of coal for heating and drying lime for agricultural use	\$511,074	1,100
Auckland Meat Processors Ltd	Auckland Meat Processors is part of the privately-New Zealand owned Wilson Hellaby Group that operates a large integrated meat business from its main site in Otahuhu. Auckland Meat Processors employ approximately 550 people.	Auckland	Hot water gas boilers to dual high temperature heat pump system	Decommissioning of two existing gas-fired hot water boilers and installation of high-temperature heat pumps to supply 90°C water to process operations. Heat will be captured from site refrigeration systems and recovered.	\$690,750	5,710
ANZCO	ANZCO has grown rapidly over the last 30 years to be a world-class producer of beef and lamb products. They are well established in key markets, with trusted relationships across Oceania, Asia, North America, the Middle East and Europe. ANZCO operates 10 manufacturing facilities in NZ employing more than 3,000 people.	Kokiri, West Coast	Kokiri electric boiler and high temperature heat pump	Installation of a 1MW high temperature heat pump and a 1.5MW electric hot water boiler to provide hot water for processing at the ANZCO Kokiri Processing Plant. This will replace the site's coal boiler significantly reducing the site's emissions.	\$1,081,000	3,550
Blue Sky Meats (NZ) Ltd	Blue Sky Meats is a publicly traded company in the meat processing industry. The primary plant is at Morton Mains, Invercargill, with an office in Auckland. Blue Sky employs approximately 350 seasonal staff and 60 permanent staff.	Invercargill, Southland	High temperature heat pump	This project will implement a new high-temperature heat pump, located at our primary processing facility near Invercargill.	\$377,250	2,130
Talley's Limited	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 employs over 700 people.	Ashburton, Canterbury	Pulsed electric field technology	The project will reduce steam consumption by improving potato pre-heating. It will be implemented at Talley's main vegetable processing facility in Ashburton.	\$285,000	1,870
WoolWorks New Zealand	WoolWorks New Zealand is the sole provider for wool scouring in New Zealand, employing over 140 people across three sites. WoolWorks handles 76 per cent of all wool grown in New Zealand (106,000 tonnes) and is the largest single wool handler in the world.	Napier, Hawkes Bay	WoolWorks high temperature heat pump and process heat optimisation	Installation of an air-sourced high temperature heat pump to replace a natural gas boiler and improve the overall process heat efficiency of the Napier site through heat exchanger optimisations.	\$455,000	1,720

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Ovation New Zealand Limited	Ovation New Zealand, is owned under the Hawkes Bay Meat Company, this parent company owns the subsidiaries of Progressive leathers, Taylor Preston and Te Kuiti Meats. Within the ovation brand there are 4 sites, this is Feilding, Gisborne, Waipukurau & TK.	Gisborne	Anaerobic Digestion Biogas Process Heat	Ovation's Gisborne plant is upgrading its wastewater treatment process to an Anaerobic Digestion pond system, a by-product of this process is biogas. This project will clean the biogas and transport it to a biogas boiler to generate the bulk of the sites process heat.	\$263,139	460
Bremworth Carpet and Rugs Limited	Bremworth is an NZX listed New Zealand based yarn and carpet manufacturer specialising in premium and innovative woollen carpets for over 50 years. Manufacturing is split over three sites in Napier, Whanganui and Auckland with approximately 440 people.	Napier, Hawkes Bay	High temperature heat pump hot water and energy efficiency	Wool yarn production requires significant amounts of hot water for dyeing and washing. This project will replace existing high carbon emitting natural gas fired boilers on the Napier site with high efficiency electric heat pumps and supporting energy efficiency measures.	\$798,000	1,460

Withdrawn projects

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
DB Breweries Limited	DB Breweries (wholly owned by HEINEKEN N.V) has four beverage production sites in New Zealand and employs approximately 500 people across production, corporate and sales functions. DB produces 100 million litres of beer and other beverages annually.	Auckland	Waitemata Brewery high temperature heat pump	The installation of high temperature heat pump (HTHP) will deliver 85°C hot water to tunnel pasteurisers and the site's high temperature hot water ring main. By leveraging the efficiency that HTHPs deliver, heat recovered from the refrigeration plant will be supplied to the HTHP significantly reducing the consumption of natural gas.	\$500,000	1,460
Winstone Wallboards Limited	Winstone Wallboards Ltd is owned by Fletcher Building, and manufactures GIB® plasterboard at two sites in NZ, employing approximately 300 people.	Bay of Plenty	Process electric heating from solar energy	The Project will install 3.4MW of electric heating equipment to utilize solar generated electricity to displace gas in the main process of Winstone Wallboards' major new manufacturing facility near Tauranga.	\$500,000	1,330
Southern Paprika Limited	Southern Paprika is NZ's largest single site capsicum grower near Auckland , privately owned by the Alexander and Levarht families. Over the last 22 years, the site has grown to 26 hectares of glass houses, and employs around 160 people locally and from the Pacific Islands.	Warkworth, Auckland	New Zealand's First CO2 recovered biomass boiler – SPL's ETA	This project will reduce emissions by 70%, replacing heating and Co2 requirement with a renewable energy source. This will be achieved through the installation of a 10MW Biomass heat and CO2 Capture Boiler .	\$4,979,520	9,990

GIDI Round Four Summary

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Stuart Timber Co Limited	Stuart Timber Co. is a family owned sawmilling operation based in Tapanui, West Otago producing dimensional timber and posts. A forestry town of less than 800, Stuart Timber Co. is one of the largest employers in Tapanui.	Tapanui, Otago	Stuart Timber Co. Biomass Boiler Replacement	Stuart Timber Co. in Tapanui, West Otago are replacing their coal-fired hot water boiler for a biomass boiler, improving productivity and fuelled with wood residues from their own milling operations.	\$1,647,125	2,170
Ngahere Sawmilling Company Limited	Ngahere Sawmilling are a busy family operated sawmilling company specialising in quality timber packaging products supplying various other local industries including milk and meat factories, stock feed companies as well as some horticulture and building material company's.	Mataura, Southland	Ngahere De-Carbonising Project	The project will reduce the use of coal over their timber drying operations. This means converting one coal boiler to burning Biomass at the sawmill site in Mataura, Southland.	\$835,048	1,760
Donelley Sawmillers Ltd	Donelley Sawmillers are a 45 year old family sawmill in Reporoa, near Kaingaroa Forest. Produces structural lumber and thermally-modified timber, an environmentally sustainable chemical-free alternative to imported appearance-grade cedar for domestic and export markets.	Reporoa, Waikato	Integrated Biomass boiler to power Thermally-Modified Timber (TMT) kilns.	The project will install a high-temperature specialised thermal-oil biomass boiler with resin and gas incineration and fuel handling, powered by onsite woody biomass at the Reporoa site. This is to replace four 1MW diesel boilers that provide process heat to thermally modified timber kilns. This will completely eliminate all fossil fuel derived process heat from our business.	\$2,600,000	3,340
Oji Fibre Solutions NZ Ltd	Oji Fibre Solutions Kinleith (OjiFSK) is OjiFS' largest mill, producing over 600,000 t/a of packaging papers and pulp with the main market in Asia. OjiFSK is Tokoroa's largest employer.	Tokoroa, Waikato	OjiFSK No.5 Recovery Boiler Indirect Black Liquor Heater	The installation of a new indirect black liquor heater at Kinleith Mill, Tokoroa would increase steam generation from No.5 Recovery Boiler (5RB) and decrease steam required from No.8 Power Boiler (8PB) thus reducing natural gas use.	\$475,000	690
Fonterra Brands (NZ) Ltd	Fonterra Brands New Zealand is part of Fonterra Co-operative and makes trusted and nutritional consumer dairy products for people to enjoy in New Zealand and export markets. The business makes over 650 different products and is home to well-known brands including Anchor, Mainland, Fresh n' Fruity and Kapiti.	Palmerston North, Manawatu-Whanganui	FBNZ Heat Pump (Heat Recovery) & Solar Thermal Project	The project involves the installation of a high temperature heat pump at FBNZ's Palmerston North milk processing site. The heat pump will convert wasted heat from chillers and compressors into a heat source, thus reducing process heat supplied by natural gas. It will contribute to FBNZ's target to reduce its scope 1 & 2 emissions by 30% by 2030 (against a 2018 baseline).	\$425,000	490
Goodman Fielder NZ Ltd	Goodman Fielder is one of the leading food companies across Australia, New Zealand and Asia Pacific with approx. 40 plants. We have an excellent portfolio of well-known consumer brands in some of the region's largest grocery categories, including Meadow Lea, Praise, White Wings, Pampas, Helga's, Wonder White, Vogel's, Meadow Fresh, Edmonds and Irvine's.	Christchurch, Canterbury	High Temperature Heat Pump energy recovery.	To reduce LPG consumption using a high temperature heat pump to generate useful heat from refrigeration compressors waste heat. The project will be executed at the Meadow fresh site in Christchurch.	\$425,000	930
Ovation New Zealand Limited	Ovation NZ are an Ovine based meat processor located in the North Island with 4 sites. 3 sites process whole carcasses and with this particular site primarily producing petfood using red meat offal from the other 3 sites. This site also operates as a freezer store for the other sites whole carcass's, a sheep casings processing site and a sheep intestinal pharmaceutical processing site	Hawkes Bay	Pasture Petfood Electric Boiler	Since the site is expanding, there is now a need for steam to supply their new processes. This project will fund a electric boiler to generate steam instead of the proposed LPG boiler. Putting in a boiler connecting of the old LPG connection on site involves minimal capital investment.	\$455,000	2,240
AFFCO New Zealand Limited	AFFCO supplies quality meat products to New Zealanders and around the world. AFFCO is 100% New Zealand owned and a proud member of the Talley's Group.	Hamilton, Waikato	AFFCO Horotiu Biomass Boiler	The Horotiu plant will install a biomass pellet boiler to completely replace fossil fuel demand from natural gas.	\$3,500,000	4,450

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Fulton Hogan Limited	Fulton Hogan has been delivering high-quality infrastructure in New Zealand, Australia and the Pacific Islands for almost 90 years. The company works in a range of sectors including roads and transport infrastructure through to utilities and resources.	Christchurch, Canterbury	Warm mix asphalt by foaming and bitumen additives	This project is to retrofit an asphalt plant with a foam generator using foaming and bitumen additives to produce warm-mix asphalt at lower temperatures. This enables Fulton Hogan to produce more warm-mix asphalt, requiring less fossil fuel than hot-mix asphalt.	\$215,000	270
Gladfield Malt Limited	Gladfield Malt is a family owned company processing malting barley into a range of 100% natural malts for beer and whisky.	Leeston, Canterbury	Conversion of 6MW and 2MW coal boilers to wood chip	The elimination of the largest source of CO2 emissions at Gladfield Malt's site near Dunsandel, by switching both coal boilers from coal to wood chip, thereby abating around 95% of all on-site emissions.	\$980,000	2,780
Turners and Growers Fresh Limited	Turners and Growers (T&G) Fresh is a vertically integrated produce grower, packer, transporter and trader. The Covered Crops division, which this application focuses on, grows tomatoes in glasshouses for NZ and export markets, from four locations around Waikato.	Tuakau, Waikato	Glasshouse Thermal Screens - T&G Geraghty	T&G Fresh's Tuakau glasshouses produce tomatoes for domestic and export markets. This project is to install thermal screens, reducing heat lost to the environment, and reducing the amount of natural gas required for heating, thereby reducing the amount of carbon created.	\$622,500	1,510
Alliance Group Limited	Alliance Group is a large farmer-owned co-operative meat processing and exporting company operating five plants in the South Island and two in the North Island.	Lorneville, Southland	High Temperature Heat Pump Expansion	Installation of a third High-Temperature-Heat Pump unit with supplementary piping, pumping and controls upgrades, which increases utilisation of heat recovery and HTHPs for hot water generation, further reducing site coal use.	\$885,000	1,200
Fonterra Limited	We are a New Zealand Co-operative made up of everyday good people who work together to do good things with dairy. Good things with the land we work on and good things for the people that our products end up with. We are passionate about doing amazing things with dairy.	Hautapu, Waikato	Hautapu Coal Boiler Conversion to Wood Pellets	To convert Fonterra's Hautapu site two coal boilers to burn wood pellets and reduce carbon emissions to achieve Fonterra's emission reduction target and transition another site away from using coal.	\$2,500,000	15,780
Lilies Limited	Lilies Limited is a commercial cut flower grower with 4 large greenhouses growing oriental and asiatic lilies for the cut flower market. They grow approx 1,200,000 stems per year, all year round and supply Flower Auctions, wholesale and retail florists.	Cambridge, Waikato	Greenhouse Heating Replacement Project	This project is to replace all waste oil burners with hot water heat pumps (electric) offering variable flow and temperature to reduce variable temperatures over night and day, summer through winter.	\$390,000	500
Downer Limited	Founded 150 years ago, Downer Limited is the largest provider of integrated services to asset owners in New Zealand. With a team of 10,000 employees, and 150 locations across Aotearoa, Downer serves the Transport, Facilities, and Utilities sectors.	Bluff, Southland	Bluff Diesel-fired Hot Oil Furnace Electrification	In Bluff, the Road Science manufacturing plant supplies bitumen for road construction in Otago and Southland. The diesel-fired hot oil heating system is transitioning to an innovative hybrid electric model, significantly lowering carbon emissions from the site.	\$278,653	150

GIDI Round Five Summary

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Topuni Timber Ltd	Topuni Timber is a Northland Sawmill producing treated wood products for Horticulture, Agriculture, Landscaping and Building Foundations.	Whangarei, Northland	Topuni Timber Electrification	Electrification from an onsite diesel generator to grid electricity and installation of electric motors.	\$145,000.00	400
Hewvan Enterprise Ltd	Hewvan Timber is a relatively small sawmilling and drying operation in Palmerston, East Otago	Palmerston, Otago	Decarbonisation of a timber drying kiln using wood residues	Coal boiler replacement to biomass boiler.	\$1,159,602.00	700
Alliance Group Limited	Alliance is a large farmer-owned co-operative meat processing and exporting company operating five plants in the South Island and two in the North Island.	Mataura, Southland	Mataura Electrification, Decarbonisation and Energy Efficiency Project	Replace the existing coal fired boiler with an electric steam boiler and an electric hot water boiler, as well as upgrade the hot water reticulation, this will: - Eliminate fossil fuel use, for process heat, at the site - Create energy efficiencies for the site's supply of hot water and steam	\$1,630,000.00	2,520
Rainbow Park Nurseries Ltd	Rainbow Park Nurseries is home to one of the country's most technologically advanced nurseries. A team of around 70 professional horticulturalists work around the clock to monitor and care for the plants. The company is a family business founded in 1975 and now supplies over 1.5 million plants to retailers across the country from a 15-hectare nursery in Ramarama.	Drury, Auckland	Rainbow Park Nurseries Ltd - Heat pump heating solution	Technology to generate heating from electricity instead of natural gas.	\$800,000.00	1,190
Alliance Group Limited	Alliance is a large farmer-owned co-operative meat processing and exporting company operating five plants in the South Island and two in the North Island.	Dannevirke, Manawatū-Whanganui	Dannevirke Heat Pump, Decarbonisation and Energy Efficiency Project	Install a high temperature heat pump, utilising existing refrigeration waste heat to produce most of the site's hot water needs. - Reduces the use of natural gas by the site - Energy efficient use of refrigeration waste heat	\$500,000.00	910
Alliance Group Limited	Alliance is a large farmer-owned co-operative meat processing and exporting company operating five plants in the South Island and two in the North Island.	Timaru, Canterbury	Smithfield Heat Pump, Heat Recovery Expansion, Decarbonisation and Energy Efficiency Project	Install high temperature heat pumps, utilising existing refrigeration waste heat, to produce most of the site's hot water needs. - Reduces the use of coal by the site - Energy efficient use of refrigeration waste heat	\$1,640,000.00	4,200
Oceana Gold (New Zealand) Limited	OceanaGold mines gold in New Zealand, the Philippines, and the USA, with its largest gold-producing mine being Macraes in New Zealand, consisting of a surface and underground mine with a processing plant.	Macraes Flat, Otago	Replacement of two LPG barring furnaces with an electric barring furnace at Macraes gold mine.	Reduce carbon emissions from the Site through the replacement of two LPG barring furnaces with an electric barring furnace. Install a cascade pouring mould system to increase greater energy efficiency.	\$220,000.00	610
Alsco NZ	Alsco is a global pioneer of managed textile and hygiene services. Operating in NZ since 1910, and serving over 24,000 NZ businesses, their fully managed offering includes uniforms and workwear, commercial linen supply, and hygiene-related consumables and services.	Christchurch, Canterbury	Alsco Christchurch Process Heat Decarbonisation Project	Replace existing 4.8 MW coal boiler with a 3 MW biomass boiler using wood pellets as fuel.	\$1,072,470.00	1,930
Alliance Group Limited	Alliance is a large farmer-owned co-operative meat processing and exporting company operating five plants in the South Island and two in the North Island.	Pukeuri, Otago	Pukeuri Hot Water Network Upgrade and Energy Efficiency Project	Hot water network upgrade to optimise and shift a portion of water heating away from the coal boiler and on to the heat pump and heat recovery systems. - Reduces the use of coal by the site - More energy efficient way of heating water for the site	\$780,000.00	2,020

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GIDI Co-funding	Estimated Annual Carbon Abatement (tonnes)
Preens ApparelMaster Limited (Image Services Limited)	Preens is a 3rd generation family owned drycleaning and commercial laundry, specialising in workwear and workplace rental textiles across Otago and Gore. The brand Preens recently celebrated 100 years serving our community.	Dunedin, Otago	High Temperature Heat Pumps and Electric Boiler - Dunedin Based	At our Dunedin plant, we will replace our existing diesel fired boilers with high temperature heat pumps for all hot water requirements, and an electric boiler for process steam.	\$1,108,010.00	630
AFFCO New Zealand Limited	AFFCO supplies quality meat products locally and globally. AFFCO is 100% New Zealand owned with processing facilities across New Zealand.	Awarua, Southland	SPM Awarua Electric Boiler, Decarbonisation and Energy Efficiency Project.	Replace a coal boiler with a high voltage electric boiler and reduce energy demand for the site using heat recovery from the new engine room. - Eliminates coal use for the site - Creates more energy efficiency for the site through heat recovery	\$2,229,157.00	5,450
Alliance Group Limited	Alliance is a large farmer-owned co-operative meat processing and exporting company operating five plants in the South Island and two in the North Island.	Invercargill, Southland	Lorneville Hot Water Reticulation Upgrade and Energy Efficiency Project.	Optimise the hot water reticulation for the site, maximising the heat provided by heat pumps. - Reduces coal use by the site - Creates more energy efficiency for the site	\$680,000.00	1,290
Talley's Limited	Talley's Vegetables Division processes a wide range including the freshest peas, beans, spinach, sweetcorn, carrots, and potatoes. Talley's Vegetables Division is part of the Talley's Group of companies and employs over 400 people across 2 plants in New Zealand.	Ashburton, Canterbury	Fryer and Peeler Heat Recovery Units and Energy Efficiency Project.	Install heat recovery units on the fryer, dryer and steam peelers at the site. - Reduces coal use by the site - Creates energy efficiency for the site, through heat recovery	\$1,600,000.00	2,860
Coca-Cola Europacific Partners New Zealand Limited CCEP NZ)	Coca-Cola Europacific Partners NZ is one of the largest manufacturers and distributors of ready-to-drink beverages in the country, including non-alcohol and alcohol beverages, energy drinks and coffee	Christchurch, Canterbury	CCEP Christchurch Decarbonisation Pathway	This funding will enable CCEP Christchurch to move away from LPG use altogether, putting in an electric boiler. replacing LPG forklifts, and implementing charging infrastructure for these	\$300,000.00	560
Lion NZ Limited	Lion New Zealand is New Zealand's leading alcohol beverage company, headquartered in Auckland with breweries located across Aotearoa. Lion is proud to be New Zealand's first large-scale Toitū certified Carbon Zero beverages company and a member of the Climate Leaders Coalition. With its origins dating back more than 180 years, Lion is known for its commitment to quality, craftsmanship, community and sustainability.	Dunedin, Otago	Speights Brewery Boiler Electrification	Decarbonise process heating at Speights by adding a 3MW electric duty boiler.	\$1,600,000.00	580
Cedenco Foods NZ Ltd	Cedenco Foods is a prominent ingredients company in New Zealand that specialises in processing fruit and vegetable products, including powders, pastes, and frozen goods. Cedenco operates two major facilities, one in Gisborne and another in Hastings.	Gisborne	Recovery of Flash Steam in the Low-Pressure Dryers	Energy Efficiency - Recovery of Flash Steam in the Low-Pressure Dryers to reduce gas use.	\$150,000.00	370
Open Country Dairy Limited	Open Country is New Zealand's largest independent dairy product manufacturer. The company's primary products are Whole Milk Powder, Skim Milk Powder, Whey Protein Concentrate, Anhydrous Milk Fat and Cheese. Open Country has demonstrated its ongoing commitment to decarbonisation through the coal to wood pellet boiler conversions in Waharoa and 13 MW Electrode Boiler installation in Awarua.	Awarua, Southland	High Pressure Electrode Boiler and High Temperature Heat Pumps, Site Electrification and Decarbonisation Project.	Installation of a large high pressure electrode boiler and 3 high temperature heat pumps. - Significantly reduces coal use by the site.	\$17,696,150.00	41,110

Overview of SSDF Projects in scope:

Recipient	Type of project	Location	Project	State sector decarbonisation funding (\$m)	Estimated ten year carbon emissions reduction (tonnes)	Notes
Department of Corrections	Boiler Replacement	Invercargill	Department of Corrections will replace a coal boiler with a wood pellet boiler at Invercargill Prison	\$2.83	8,742	
Te Whatu Ora - Southern	Boiler Replacement	Dunedin	Te Whatu Ora - Southern will replace 3 coal boilers at the Dunedin Energy Centre	\$2.20	147,740	
Te Whatu Ora	Boiler Replacement	Multiple	Te Whatu Ora will replace all remaining coal boilers across their estate	\$12.00	56,020	Five of the projects under this funding will transition to biomass solutions. Cost breakdowns between projects are unavailable at this point in time.
		SDHB (Dunedin)				
		SDHB (Kew)				
		WCDHB (Grey)				
		WCDHB (Reefton)				
		Whanganui DHB (Taihape)				
Ministry of Education	Boiler Replacement	New Zealand wide	Nearly \$55 million has been set aside to replace coal boilers in schools	\$54.84	70,800	

Ministry of Education	Boiler Replacement	New Zealand wide	MoE to replace all remaining coal boilers in primary and secondary schools	\$10 00	35,400	
Southern Institute of Technology	Boiler Replacement	Balclutha	SIT will replace two coal boilers with low emission alternatives (either electricity or biomass)	\$0 28	3,819	
University of Canterbury	Boiler Replacement	Christchurch	University of Canterbury will replace a coal boiler with a biomass boiler at its Ilam campus	\$6 24	90,000	
University of Canterbury	Boiler Replacement	Christchurch	University of Canterbury will expand the scope of an existing boiler project at its Ilam campus, completely eliminating coal use at the site	\$2 16	20,000	
University of Otago	Boiler Replacement	Dunedin	University of Otago will replace a coal boiler with a wood pellet boiler at its residential college, Arana College	\$0 22	7,175	
University of Waikato	Boiler Replacement	Hamilton	University of Waikato will replace two gas boilers at Student Village in Hamilton	\$0 08	86	

University of Otago	Boiler Replacement	Invercargill	University of Otago will replace a coal boiler with a wood pellet boiler at its Invercargill campus	\$0.12	420	
University of Canterbury	Boiler Replacement	Christchurch	University of Canterbury will replace a coal boiler with a biomass boiler at its Dovedale campus	\$4.50	9,509	
Te Whatu Ora	Stationary Energy Projects	All of New Zealand	Te Whatu Ora will set up a stationary energy decarbonisation program to target large boilers, chillers and LED lighting installations across all of their campuses	\$38.00	230,000	None of the currently approved projects for this fund will use biomass. Te Whatu Ora are currently evaluating 70 - 80 projects and solutions haven't been finalised.

Ministry of Education Projects completed:

School Name	Tech Solution	Fuel	Actual Spend
Wallacetown Primary School	In-situ Chip	Wood Chip	\$450,000
Big Rock Primary School	In-situ Chip	Wood Chip	\$456,250
Fiordland College	In-situ Chip	Wood Chip	\$1,841,179
Opoho Primary School	In-situ Chip	Wood Chip	\$450,000
James Hargest College (Jnr & Snr)	In-situ Chip	Wood Chip	\$2,336,521
Waverley Park Primary School	In-situ Chip	Wood Chip	\$674,086
The Catlins Area School	In-situ Chip	Wood Chip	\$1,052,647
Cobden School	Pellet External	Wood Pellet	\$260,963
Ruapehu College	Pellet External	Wood Pellet	\$887,417
Ohakune School	Pellet External	Wood Pellet	\$433,698
Raetihi Primary School	Pellet Internal	Wood Pellet	\$367,491
Andersons Bay School	In-situ Chip	Wood Chip	\$167,500
Dipton School	Pellet	Wood Pellet	\$254,898
Waikaka Primary School	Pellet Internal	Wood Pellet	\$234,727
Waitaki Boys' High School	In-situ Chip	Wood Chip	\$799,594
Pukerau School	Pellet Internal	Wood Pellet	\$243,817
Runanga School	Pellet External	Wood Pellet	\$245,339
Te Anau School	In-situ Chip	Wood Chip	\$647,587
Abbotsford School	Pellet External	Wood Pellet	\$143,606
Turaki School	Pellet External	Wood Pellet	\$133,539
Paengaroa School	Pellet	Wood Pellet	\$180,452
Murchison Area School	Pellet	Wood Pellet	\$620,266
Paeroa Central School	Pellet	Wood Pellet	\$274,276
Ravensbourne School	Pellet	Wood Pellet	\$200,641
Palmerston School	Pellet	Wood Pellet	\$226,518
Windsor North School	Pellet	Wood Pellet	\$372,165
Miller Avenue School	Pellet	Wood Pellet	\$184,410
Mercury Bay Area School	Pellet	Wood Pellet	\$435,490
Rosebank School (Balclutha)	Pellet	Wood Pellet	\$524,919
Macandrew Bay School	Pellet	Wood Pellet	\$375,585
Ashbrook School	Pellet External	Wood Pellet	\$187,906
Kaikorai Valley College	Conversion to Pellet	Wood Pellet	\$380,343
Parklands School (Motueka)	Conversion to Pellet	Wood Pellet	\$97,807
Bluff School	Pellet	Wood Pellet	\$412,801
Edendale School	Pellet	Wood Pellet	\$377,252
East Otago High School	Pellet Internal	Wood Pellet	\$561,227
King's High School	Pellet Internal	Wood Pellet	\$666,407
South Otago High School	Pellet Internal	Wood Pellet	\$966,635
Dunedin North Intermediate	Pellet	Wood Pellet	\$746,929
Murihiku Young Parents' Learning Cent	Pellet	Wood Pellet	\$407,189
North East Valley Normal School	Pellet	Wood Pellet	\$594,824

Elmgrove School	Pellet Internal*	Wood Pellet	\$485,812
Gore Main School	Pellet Internal	Wood Pellet	\$496,862
Bathgate Park School	Conversion to Pellet	Wood Pellet	\$223,818
Mornington School	Pellet Internal	Wood Pellet	\$279,107
Invercargill Middle School	Pellet Internal	Wood Pellet	\$421,696
		Total	\$22,782,198

Note: several projects for the Ministry for Education are yet to be contracted. Therefore, some project level information is withheld under section 9(2)(f)(iv) - to maintain the current constitutional conventions protecting the confidentiality of advice tendered by Ministers and officials. However, we expect the total costs for these projects to be \$33,802,611.00.

Financial Year project approved	Recipient	Project	EECA co-funding amount
2013/14	The Trustees of the Sisters of Nazareth	Installation of a wood fuel boiler.	\$100,000.00
2013/14	Canterbury District Health Board (Burwood Hospital)	Advanced biomass-specific boiler systems	\$300,000.00
2017/18	Fonterra	Conversion of Brightwater 8MW Coal Boiler to co-fire with wood chips	\$250,000.00
2019/20	Canterbury Linen	Installation of a Top loader wood fuel to boiler delivery system for new wood boiler	\$100,000.00
2019/20	Fonterra	Conversion of a 43MW coal boiler to biomass fuel handling and storage infrastructure	\$200,000.00
2022/23	Thymebank Coal Boiler Conversion	Coal to waste biomass conversion of existing Taymac boiler.	\$20,000.00

Financial Year project approved	Recipient	Project	EECA co-funding amount
2016/17	Parata Anglican Charitable Trust Board	Install a wood pellet boiler with two 1500 litre buffer tanks.	\$39,500.00
2016/17	Balcrom Limited	Replace two electric boilers with a wood fuelled fully automated boiler and a 6000 litre buffer tank.	\$94,200.00
2016/17	J A McCallum Limited	Replace coal boiler with a wood pellet boiler for space heating and domestic hot water.	\$24,056.00

EECA has funded several other biomass projects in the past. Unfortunately, due to multiple changes with our digital records system, this information was unable to be located despite reasonable effort to locate it and is therefore being refused under Section 18(e).