

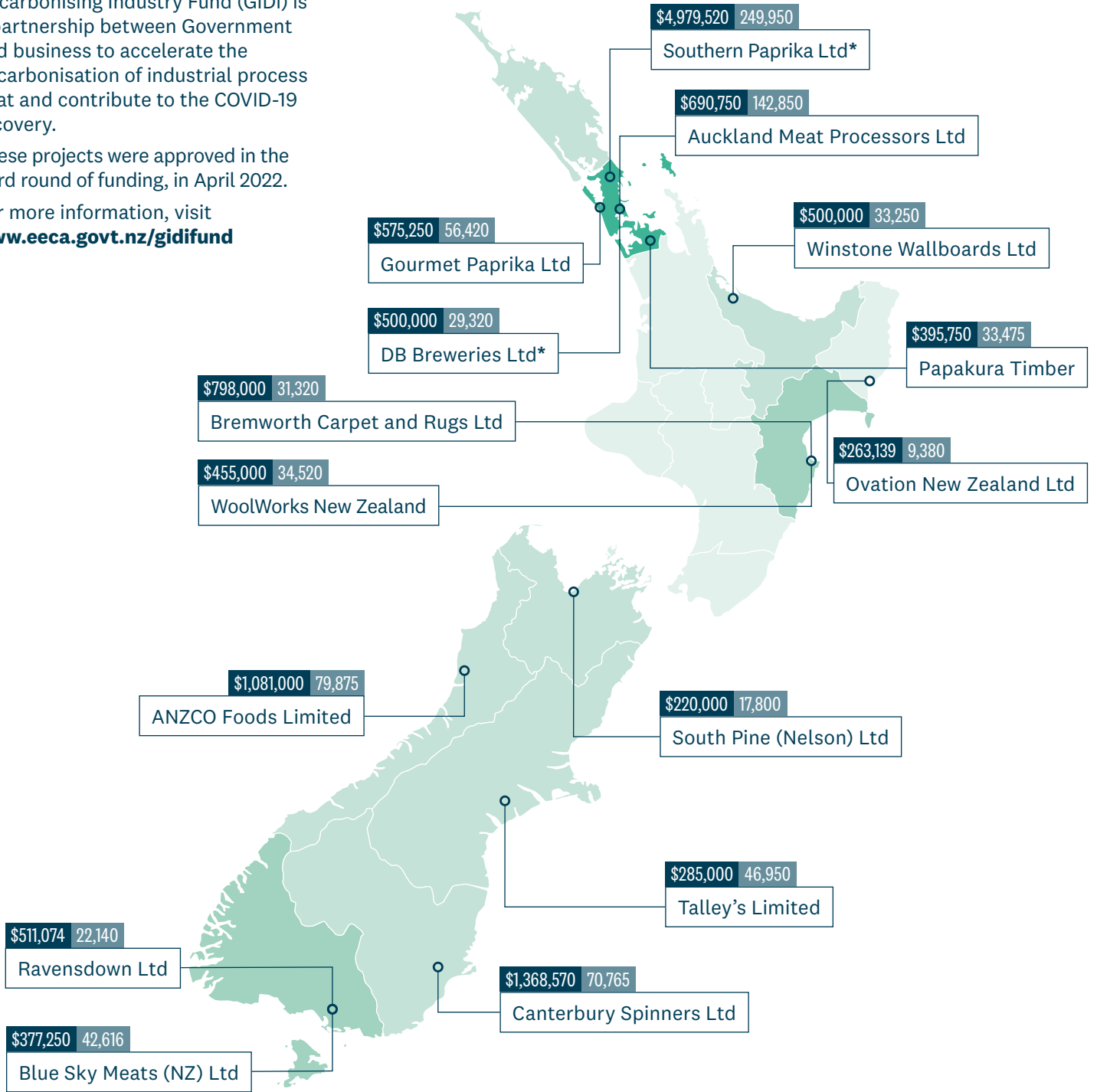
The GIDI Fund

Round Three Projects: April 2022

The Government Investment in Decarbonising Industry Fund (GIDI) is a partnership between Government and business to accelerate the decarbonisation of industrial process heat and contribute to the COVID-19 recovery.

These projects were approved in the third round of funding, in April 2022.

For more information, visit www.eeca.govt.nz/gidifund



■ EECA Co-Investment
■ Lifetime Carbon Abatement (tonnes)
* Project withdrawn post announcement
Note: Emissions data based on applicants' submissions



of process heat is fossil-fuelled, mainly by gas and coal.

A total of
900,631
TONNES
lifetime carbon abatement

Annual carbon abatement of round 3 projects equivalent to taking
14,400
cars off the road

| Recipient | Recipient Description | Project or Site Location | Project Title | Project Benefit | Approved GDI Co-funding | Estimated Lifetime Carbon Abatement (tonnes) |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------|
| 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. | 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 | 46,950 |
| 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 | 17,800 |
| 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 | 142,850 |
| DB Breweries Limited <i>Project withdrawn</i> | 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 | 29,320 |
| 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 | 33,250 |
| Southern Paprika Limited <i>Project withdrawn</i> | 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. | 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. | \$4,979,320 | 249,950 |
| 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 site's process heat. | \$263,139 | 9,380 |
| 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 New Zealand Cross Bred Wool per year and employs approximately 125 people. | 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 New Zealand, setting a benchmark the other plants will strive to meet. | \$1,368,570 | 70,765 |
| 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. | Southland | High temperature heat pump | This project will implement a new high-temperature heat pump, located at their primary processing facility near Invercargill. | \$377,250 | 42,616 |
| 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. | 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 | 22,140 |

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|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------|
| 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 natural 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 | 56,420 |
| 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. | Hawke's 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 | 31,320 |
| 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. | 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 | 79,875 |
| 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. | 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 | 33,475 |
| 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. | Hawke's 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 | 34,520 |