

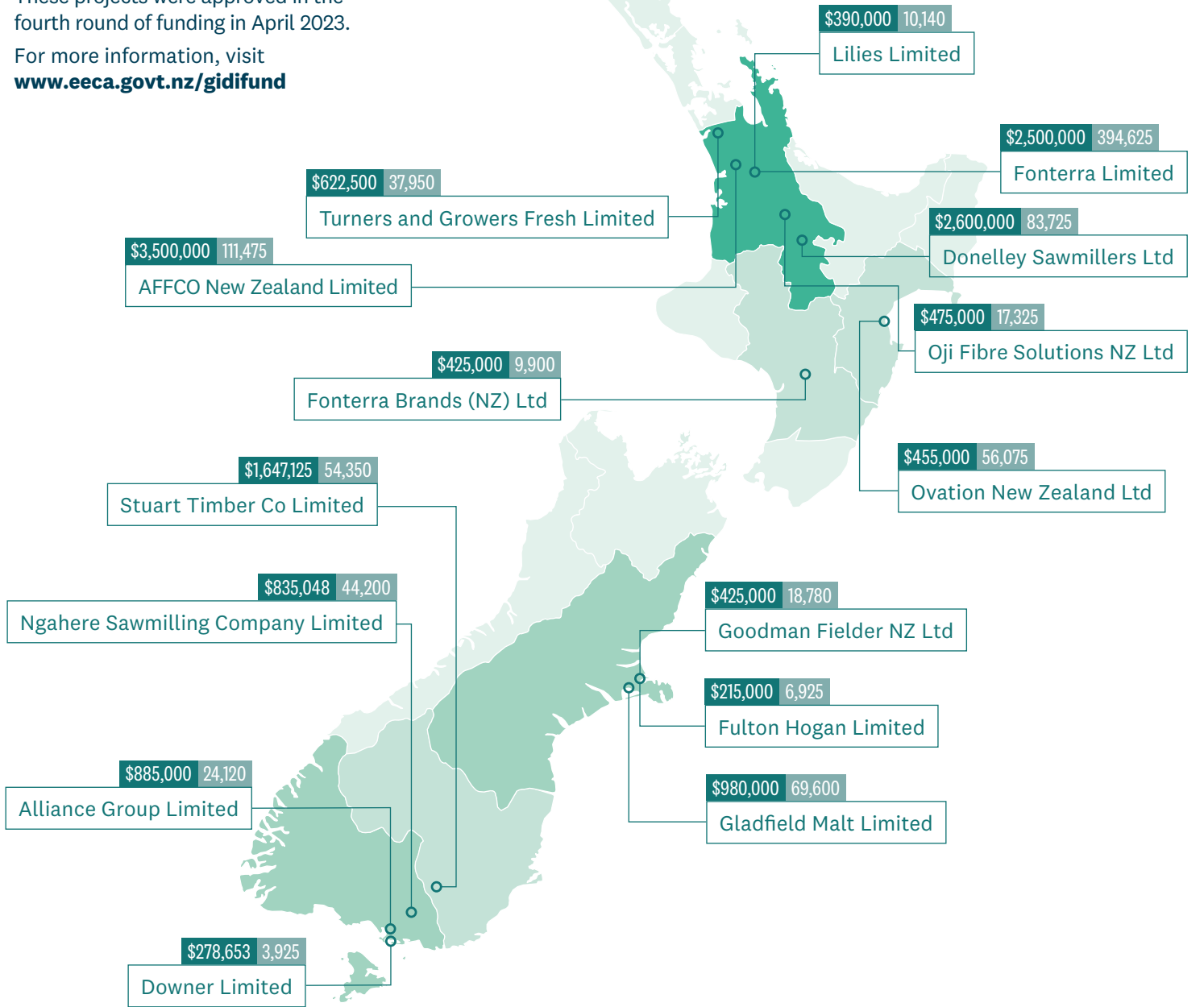
# The GIDI Fund

## Round Four Projects: April 2023

The Government Investment in Decarbonising Industry Fund (GIDI) is a partnership between Government and business to accelerate the decarbonisation of industrial process heat in New Zealand.

These projects were approved in the fourth round of funding in April 2023.

For more information, visit [www.eeca.govt.nz/gidifund](http://www.eeca.govt.nz/gidifund)



■ EECA Co-Investment  
■ Lifetime Carbon Abatement (tonnes)

Note: Emissions data based on applicants' submissions



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

A total of

**943,115**  
TONNES

lifetime carbon abatement

Annual carbon abatement of round 4 projects equivalent to taking

**14,200**

cars off the road

Figures were correct as at April 2023, and factor in all projects confirmed as part of Round 4.

Recipient	Recipient Description	Project or Site Location	Project Title	Project Benefit	Approved GDI Co-funding	Estimated Lifetime Carbon Abatement (tonnes)
<b>Stuart Timber Co Limited</b>	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	54,350
<b>Ngahere Sawmilling Company Limited</b>	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	44,200
<b>Donelley Sawmillers Ltd</b>	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	83,725
<b>Oji Fibre Solutions NZ Ltd</b>	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	17,325
<b>Fonterra Brands (NZ) Ltd</b>	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, Manawatū-Wanganui	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	9,900
<b>Goodman Fielder NZ Ltd</b>	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	18,780
<b>Ovation New Zealand Limited</b>	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.	Hastings, Hawke's 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 an 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	56,075
<b>AFFCO New Zealand Limited</b>	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	111,475

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<b>Fulton Hogan Limited</b>	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	6,925
<b>Gladfield Malt Limited</b>	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	69,600
<b>Turners and Growers Fresh Limited</b>	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	37,950
<b>Alliance Group Limited</b>	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	24,120
<b>Fonterra Limited</b>	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	394,625
<b>Lilies Limited</b>	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	10,140
<b>Downer Limited</b>	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	3,925