

NZ Super Fund - Released under the OIA - 23/07/2014

Company name	Investment description	Date invested	Value of NZSF investment as at 30 June 2014 (or latest available date)
Direct Investments			
Bloom Energy	Bloom Energy is a manufacturer of on-site power generation systems utilising fuel cell technology.	2013	NZD114 million
Ogin Inc	Ogin Energy is a manufacturer of wind turbines. NZ Super Fund has made a direct US\$55m investment mixture of debt and equity (debt undrawn)	2013	NZD34.3 million
Morrison & Co - Global Infrastructure Mandate			
Drax Group Plc	The Fund is invested in Drax via its global infrastructure mandate with Morrison & Co. Drax is currently transforming itself into a predominantly biomass-fuelled generator through burning sustainable biomass in place of coal at the UK's largest power station. This transformation will see the UK's single largest source of carbon dioxide emissions become one of the largest renewable generators in Europe. Drax's aim is to provide low carbon, cost effective and reliable renewable power well into the future.	2013	NZD33.8 million
Z Energy	Refer to Appendix II	2010	NZD313.6 million
NZ listed equities - aggregated across active mandates			
Contact Energy	Contact Energy is a diversified and integrated energy company which focuses on the generation of electricity and the sale of electricity and gas in New Zealand.	2003	NZD50.8 million
Genesis Energy	Genesis Energy generates, sells and trades electricity and is New Zealand's largest electricity and gas retailer. It has a 31% interest in the Kupe Joint Venture which owns the Kupe oil and gas field. It owns and operates a portfolio of thermal generation and renewable generation assets located in different parts of New Zealand.	2014	NZD13.7 million
Meridian Energy	Meridian is New Zealand's largest electricity generator, operating seven hydro stations and four wind farms in New Zealand and one wind farm in Australia.	2013	NZD63.1 million
Mighty River Power	Mighty River generates and sells electricity. It operates nine hydro stations on the Waikato River, five geo-thermal stations through the central North Island and one gas fired station at Southdown, Auckland	2013	NZD35.6 million
NZ Windfarms	NZ Windfarms' core business is the operation and ownership of its 97 turbine Te Rere Hau wind farm in the Tararua Ranges outside of Palmerston North.	2007	NZD0.3 million
TrustPower	TrustPower is New Zealand's fifth-largest generator and energy retailer. Its generation is (almost exclusively) from renewable sources, with 36 relatively small hydro dams and a major wind farm. It also owns and operates a windfarm in Australia.	2004	NZD20.9 million
Vector	Vector is a leading New Zealand infrastructure group. It owns and manages a portfolio of energy and fibre optic infrastructure networks in New Zealand.	2005	NZD18.3 million
HarbourVest Partners - HarbourVesty International Private Equity Partnership V Fund - non-US private equity opportunities			
Nexcon Technology Co	A B2B supplier of Battery Management System parts for secondary batteries used in consumer electronic devices such as handsets and notebook PCs	2012	USD13,235
AlertMe.com Ltd.	Focused on home automation and energy efficiency through monitoring consumers energy usage	2009	USD23,908
Ista International GmbH	Clean energy company that is a provider of sub-metering services for measurement and consumption-dependent billing of energy, water and ancillary costs	2013	USD122,280
Pentalum Technologies	Develops SpiDAR, a revolutionary, cost effective system used for remote sensing of wind for wind power applications	2010	USD5,462
ShineOn Holding Incorporation	Develops and manufactures high-brightness LED chips and integrated packaging products	2010	USD4,691
Strategic Materials, Inc.	Manufactures products from virgin glass as well as from post-industrial and post-consumer sources	2012	USD23,334
Zett Optics GmbH	Supplier for the implementation of lighting technology solutions for medical and laboratory applications	2008	USD34,612
1366 Technologies, Inc.	Develops silicon solar cells to be competitive with coal generated electricity	2010	USD10,869
Beijing Kinglong New Energy Technology Co., Ltd.	Researches, develops, produces and markets solar PV inverters to provide the perfect power conversion and control solution for solar power generation installations	2011	USD1,012
Comtec Solar Systems Group Ltd.	Designs and manufactures monocrystalline solar ingots and wafers	2011	USD552
Energy 21	Leading independent solar power company in the Czech Republic	2010	USD46,740
Energy Developments Limited	Renewable and remote-area energy supplier with international operations	2010	USD125,197
GS-Solar Company Ltd.	Produces thin film solar modules based on amorphous silicon technology	2008	USD6,646
Hochtief Offshore Development Solutions S.a.r.l.	Acquire and develop wind farm concessions and capitalize on the resulting value growth by selling them on/before construction begins	2012	USD56,868
LM Windpower A/S	Leading manufacturer of blades for wind turbines and provider of hydraulic brake systems to the global wind power industry, and a leading supplier to the global mining, crane and oil industries	2008	USD53,051
Nanyang Green Silicon Co. Ltd.	Solar energy and optical fiber transducer	2008	USD779
Orient Green Power Company	Power generation through renewable energy resources	2008	USD5,380
Rioglass Solar Holding S.A.	Provides curved glass mirrors for Concentrated Solar Power plants	2011	USD112,216
Sky Solar Group	Multi national enterprise in the solar photovoltaic, thermal, wind power, biomass, and other new and renewable energy fields	2009	USD22,053
Soventix GmbH	Operating developer of solar power plants	2010	USD93,571
SSP Technologies Holding ApS	Develops and manufactures rotor blades for wind power generation	2008	USD82,331
Wento	Investment vehicle managed by Polish Enterprise Fund VI that will handle the construction of wind farms in Poland	2012	USD3,591
Zhaoheng Hydropower Limited	Develops, operates, and generates hydropower stations supplying electricity throughout China	2009	USD61,306

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Aquarius Technologies, Inc.	Provides innovative, proprietary solutions for wastewater treatment for municipal and industrial applications	2011	USD1,862
Emefcy, Ltd.	Offers industrial scalable implementation of MFC technology	2010	USD11,290
Groupe ECT	Operates landfill sites around Paris and sites in the South of France	2011	USD26,164
Insun ENT Co. Ltd.	An independent environmental services managements company focused on construction and demolition waste management	2005	USD10,651
Kinetics Germany GmbH	Provider of high-purity process systems for the electronics, biopharmaceutical, solar, nanotech, and general industry markets	2011	USD45,550
Lehigh Technologies Inc.	Technology to cryogenically grind rubber from end of life tires into an ultra-fine powder	2008	USD17,914
United Envirotech Limited	Membrane-based water and waste water treatment and recycling solution provider in China	2011	USD97,876
Van Gansewinkel Groep	Supplies innovative and dependable environmental solutions for waste and cleaning problems	2006	USD22,063
China Infrastructure Partners - companies primarily engaged in the development, ownership or operation of infrastructure and related businesses and projects in mainland China, Hong Kong and Macau			
LDK Silicon & Chemical Technology Co., Ltd. through Apollo Asia Investment Limited	One of the largest polysilicon manufacturers in China, a key component in solar panels	2011	NZD7.1 million
Nobao Renewable Energy Holdings Ltd, through Full Energy Investment Limited	A leading integrated ground source heat pump (GSHP) air-conditioning turn-key service provider to both new and existing commercial and municipal facilities in China	2011	NZD3.4 million
Canvest Environmental Protection Group Company Limited, through Wise Power Investment Limited	A leading waste-to-energy operator in China	2014	NZD1.9 million
KKR Asian Fund - private equity in Asia, including Australasia			
United Envirotech Ltd	Leading membrane-based water treatment and recycling solution provider in China, headquartered in Singapore	2011	NZD3.3 million
Coller International Management - Coller International Partners V Fund - Global Secondaries Private Equity Fund (note - values have been rounded by Coller)			
Zeitecs BV (Optilift BV)	ZEITECS is a portfolio company of Shell Technology Ventures Fund 1 B.V. The Fund, managed by Kenda Capital B.V. ("Kenda"), is a unique large-scale investment fund focused on reducing the cost of energy by accelerating the development and deployment of new technologies	2007	NZD0.1 million
Packaging Dynamics	Paper packaging manufacturer	2008	\$0.0 million
Oystar Holding	One of the world's leading providers of complete solutions for packaging machines	2011 and 2012	\$0.0 million
Solarion	Producer of solar cells	2008	\$0.0 million
Clyde Blowers Capital	Designs, manufactures, distributes and services highly engineered to order industrial gear and drive systems, products and related equipment for use in a wide range of industry sectors including wind energy, solar energy, mining, oil and gas, conventional power and rail.	2010	\$0.0 million
EverPower Wind Holdings	Develops wind power projects	2007	\$0.0 million
Rete Rinnovabile	Italy's leading solar generatiron business	2007	\$0.0 million
PESCO Beam Environmental Solutions (Beam Engineering)	PESCO-BEAM custom designs and fabricates transportable industrial sized environmental systems which recycle used motor oil and solvents back into their usable forms.	2007	\$0.0 million
AVR (Van Gansewinkel)	Van Gansewinkel Groep is both a waste service provider and a supplier of raw materials and energy. The company collects waste and treats and processes waste to produce materials and energy.	2009	\$0.0 million
ICRTec	ICRTec owns the alternative to traditional diesel power – an innovative, fuel efficient, low emission and fuel flexible gas turbine engine	2006	\$0.0 million
Coor Services	Provider of total facilities management in the Nordic region	2006	\$0.0 million
Brisbane Materials	Brisbane Materials Technology is a specialty materials company focusing on creating innovative materials solutions for solar and other applications	2006	\$0.0 million
Nuziveedu Seeds Ltd	Nuziveedu Seeds Limited operates as a hybrid seed company in India	2007	\$0.0 million
Permolex	Emerging global leader in the production of ethanol and other bio-fuel products from multiple feedstock	2010	\$0.0 million
Hawkeye Holdings	Ethanol producer	2007	\$0.0 million
Permolex	Emerging global leader in the production of ethanol and other bio-fuel products from multiple feedstock	2011	\$0.0 million
Daorje Group	Independent northern Spanish waste management and industrial services business	2006	\$0.0 million
DruckChemie	DruckChemie develops, manufactures and supplies chemical and technical products and accessories for the printing industry, as well as providing waste reprocessing and recycling services.	2005	\$0.0 million
			COLLER TOTAL - NZD\$0.2 million
Mountgrange Investment Management - Mountgrange Real Estate Opportunities Fund - UK real estate			
N/A	Acquisition of land across UK for which Manager then obtains consents for renewable energy generation	2011	NZD3.8 million
QS Investors - Global listed equities - invested in 2011 - companies with a Bloomberg BNEF New Energy Exposure Rating of 25%+			
China Everbright International Limited	China Everbright International Limited provides environmental protection project management and consultancy services. The Company's operations are broken up into environmental energy, environmental water, environmental construction and environmental technology.	7/03/2014	NZD217,164.65
EDP - Energias de Portugal SA	EDP - Energias de Portugal, S.A. generates, supplies and distributes electricity and the supply of gas in Portugal and Spain. Through subsidiaries, the Company is involved with electricity distribution, generation and supply in Brazil, and wind power promotion, construction and operations in Spain, Portugal, France and Belgium.	30/12/2010	NZD539,443.34
Fortum Oyj	Fortum Oyj provides a full range of energy related products and services. The Company's activities cover the generation, distribution, and sale of electricity and heat and steam, as well as the operation of power plants, and energy-related services. Fortum operates worldwide but mainly in Northern Europe.	30/12/2010	NZD496,349.03
Origin Energy Limited	Origin Energy Limited is an integrated energy company. The Company focuses on gas and oil exploration and production, electricity and renewable power generation and energy retailing. Origin also invests in renewable energy technologies, including geothermal, wind, hydro and solar.	30/12/2010	NZD243,578.2
Schneider Electric SE	Schneider Electric SE manufactures power distribution and automation systems. The Company produces circuit breakers, remote installation management equipment, panelboards, programmable logic controllers, industrial control products, detectors, human-machine interfaces, and process controls. Schneider's products are sold various brands.	30/12/2010	NZD1,441,473.79