

## Windsor Energy's Biomass Experience List – July 2021

Windsor Energy can not only supply world class biomass boiler technologies, but have also worked consulting, commissioning, and converting biomass technologies worldwide. Below is a biomass reference list detailing the last 20 years of boiler installations, conversions & upgrades.

WORKS UNDERTAKEN	YEAR	OWNER	LOCATION
Coal to pellets conversion engineering review, 15MW boiler	2021	Synlait Milk	Dunsandel, NZ
Coal to woodchip conversion assessment & fuel trial on 37MW Towerpak boiler*	2021	Confidential	NZ
3MW & 4.2MW conversion trials from coal to pellets	2021	Nelson Hospital	Nelson, NZ
Coal to pellets conversion on 43MW Towerpak™ boiler	2020	Fonterra	Te Awamutu, NZ
10MW SH Towerpak boiler, wood waste fired (up to 62% mc)	2018	Red Stag Timber	Rotorua, NZ
10MW Towerpak boiler, coffee waste fired	2012	Nestlé	Tutbury, UK
33MW Towerpak boiler, coffee waste fired	2010	Nestlé	Toluca, Mexico
10MW Towerpak boiler, wood waste fired	2009	Nestlé	Osorno, Chile
30MW Towerpak Boiler, sludge & wood waste fired	2008	Visy	Melbourne, Aus
8.5MW Towerpak Boiler, sludge & sawdust fired	2008	Silver Fern Farms	Balclutha, NZ
3MW Steampac Boiler, wood waste fired	2007	ITC	Launceston, Aus
16MW Towerpak boiler, Coffee waste & wood waste fired	2007	Nestlé	Gympie, Aus
20MW John Thompson wood waste fired upgrade	2007	FEA	Georgetown, Aus
8.5 MW Towerpak boiler, sludge & wood waste fired	2007	EPI	Balclutha
26MW Towerpak boiler, wood waste fired	2006	Tropikwood	Fiji
12MW Thermal Oil boiler, wood waste fired	2004	EPI	Karioi
15MW Thermal Oil boiler; wood waste fired	2004	Hyne & Son	Tumbarumba, Aus
20MW Towerpak boiler, wood waste fired	2003	JNL	Kaitaia
36MW Towerpak boiler, wood waste fired (upto 60%mc)	2002	Pan Pac Forests	Napier, NZ
7MW Heatpac hot water boiler, biomass fired	2002	Brightwood	Otautau, NZ
20MW Towerpak boiler, biomass fired	2001	Nelson Pine	Nelson, NZ
5MW Heatpac hot water boiler, biomass fired	2001	Winstone Pulp Ltd	Tangiwai, NZ
5MW Heatpac hot water boiler, biomass fired	2001	Renalls Sawmill	Masterton, NZ
Convert 28MW biomass boiler to unattended	2001	JNL	Masterton, NZ