

HEAT PLANT in NEW ZEALAND

Heat Plant Sized Greater Than One Hundred Kilowatts Thermal

Segmented by Industry Sector

as at 1st August 2011

Database updated by CRL Energy Ltd on behalf of the Energy Efficiency and Conservation Authority



While CRL Energy Ltd has made every effort to ensure the accuracy of the Heating Plant in New Zealand Database, no responsibility is accepted for any error.

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1. Introduction

This report updates the “2008 Heat Plant in New Zealand Database” and was compiled by CRL Energy Ltd., on behalf of the Energy Efficiency and Conservation Authority (EECA).

EECA is seeking a robust update and expansion of the database of heat plant in New Zealand. The updated information will provide accurate understanding of commercial and industrial process and space heat potential, thereby assisting EECA in implementing a range of programmes to encourage businesses and individuals to use energy more efficiently and increase the use of renewable energy.

2. Methodology

This programme will involve an enhanced survey to expand the inventory of currently operational units above 100 kW, plus information from other sectors and assets that were not previously considered, removal of information on those that are no longer operational, and listing of the new plants that have been recently installed.

CRL Energy will ensure that all heat plant information will be as fully complete as practically possible regarding the required plant to be captured in the database, minimising information gaps and incorrect data.

3. Survey

Over the years, CRL Energy has built up its own database of heat plant information from numerous sources and these have been used

to supplement the target database for the study and to check for information consistency as a quality check. CRL Energy also tapped its numerous contacts to gather required information for the study.

Aside from using mailed surveys, phone calls, and other data gathering tools, CRL Energy has utilised a web-based tool, SurveyMonkey, for some of the surveying requirements of the study. This can make it more convenient for respondents to complete the surveys and was used wherever appropriate in this study.

3.1 Key assumptions

The survey is limited to sites equal to or greater than 100kW. However, where a respondent has replied and the site is less than 100kW it has still been included as generally they were electric and this was identified as an area of interest.

3.2 Industry coverage

The 2008 survey includes the following sectors:

- Dairy Processing
- Education
- Food and Beverage Processing
- Hospitals
- Meat Processing
- Other Manufacturing
- Wood Processing

This update has expanded the above sectors as well as including the following additional sectors:

- Accommodation
- Correctional and Detention Services
- Councils
- Defence
- Horticulture - Glass Houses
- Miscellaneous/Commercial
- Research Institutions
- Rest Homes
- Tertiary Education – Universities, Polytechnics
- Venues / Hospitality

3.3 Survey Results

The information obtained in this survey is provided alphabetically in appendices 1 to 17.

Overall 3500 sites have been surveyed. The % response has varied between sector as has the quantity of data.

4. Data Issues

The collation of data was approached from several directions: using a web based survey tool, telephone call up, emails and excel spread sheets (electronic and mailed). Where possible the data has been cross checked.

The main constraint to the completeness of the data was that the data available to site staff was often limited and, the answers to many of the additional questions required by EECA, unknown.

In all cases it was made clear how this data would be handled by attaching the following disclaimer: *"Publically available information will be aggregated. Your contact details will not be included in this information but EECA may use those details for marketing purposes to assist its efficiency and renewable energy promotion roles"*.

The consistency of units provided by operators and site personnel varied considerably with regard to output, process heat and fuel units.

4.1 Responses

The overall response rate was good although in some sectors, such as Wood Processing, it was not as high as would be liked.

In the Dairy Processing sector Fonterra updated the information on all the existing plant as well as including a significant number of new installations – 97 boilers in total. The major update in the Meat Processing sector was from Silver Fern Farms who provided updated and new information on all their locations.

An additional 35 hospital sites have been added to this sector. However, caution needs to be used when analysing, as it was not possible to identify and replace any updates due to shortage of location information in the 2008 survey. No further analysis has been carried out on this sector. The new additions in the Hospital sector have been highlighted in pink for easy identification.

The ten new sectors have added a significant amount of information with the addition of potentially over 1100 boilers. The Correctional

and Detention Services in particular has provided data for 345 units. Research Institute responses were at the 60% level

In the rest home sector Ryman declined to participate but commented that 20 of their villages used electric heat pumps. None of the Presbyterian Support Central contacts responded. Nearly 50% of responses indicated that there were no boilers. Both of the major supermarket chains declined to participate in the survey.

There was a good response from Glass Houses and Universities and these sectors have added 80 contacts with a potential 263 boilers.

Even though some new additions did not respond the contact data is now readily available for future surveys or direct approach.

5. Analysis of Survey Results

The information obtained in the course of this update is presented in Appendices 1 to 17. Some of the sectors have low responses and the interpretation is treated accordingly. Appendix 18 has contact details for the 623 schools that did not reply to the survey.

The thermal heating plant included in this study has increased from 4900 MW in 2008 to 6200 MW. The % distribution across all sectors is shown in Table 1 and represented graphically in Figure 1.

As can be seen the 1 – 2 MW units are the most represented with 36%; this is followed by < 0.5 and 0.5 – 1 MW respectively. The

distribution for each sector will be shown later under individual sector headings.

Figure 2a shows the % distribution of MW across all sectors. Figure 2b is an expanded look at the “other” sector (3%) in Figure 2a. Dairy processing and wood processing have the largest amount of heat plant. Interestingly wood processing has dropped by 10% from the 2008 survey miscellaneous.

Figure 3a and 3b show the total fuel distribution across all the sectors. Figure 3b represents “other” column shown in Figure 3a.

Gas is the most widely used energy source with a rank of over 1100 and has therefore been left off the chart in Figure 3a. It is followed by coal and electricity respectively. If however it is assumed that no boiler means electricity then the respective positioning would change. In the graphs in the following sections responses of “no boiler” have been shown as “no boiler”.

The following sections, 5.1 to 5.17, have graphs to show the following where possible:

MW % distribution in each sector

% distribution of fuel per sector

Boiler age vs MW

MW v Fuel comparison between 2008 and 2011 (existing sectors only). The values for the MW installed were obtained from Figure 6.2 in the 2008 data base. It should be noted that these values do not

appear to correlate well with the numbers in the actual 2008 data base.

Colour Key

Data in the database has been highlighted in the following way:

Yellow columns and rows = new data.

Orange rows = updated existing data.

Table 1. % distribution of MW across all sectors.

MW	%
< 0.5	24
0.5 - 1	13
1 - 2	36
2 - 5	12
5 - 10	8
10 - 50-	6
50 - 100	1
>100	1

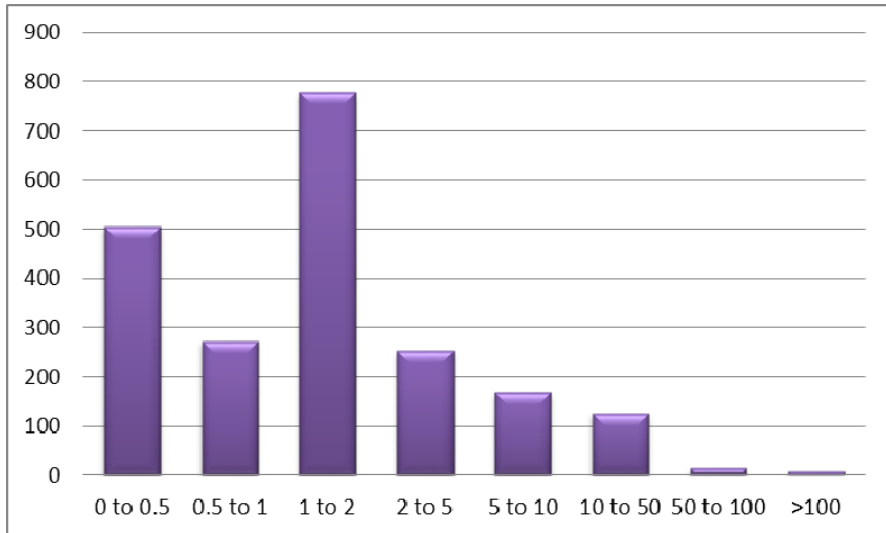


Figure 1. Size distribution of MW across all sectors.

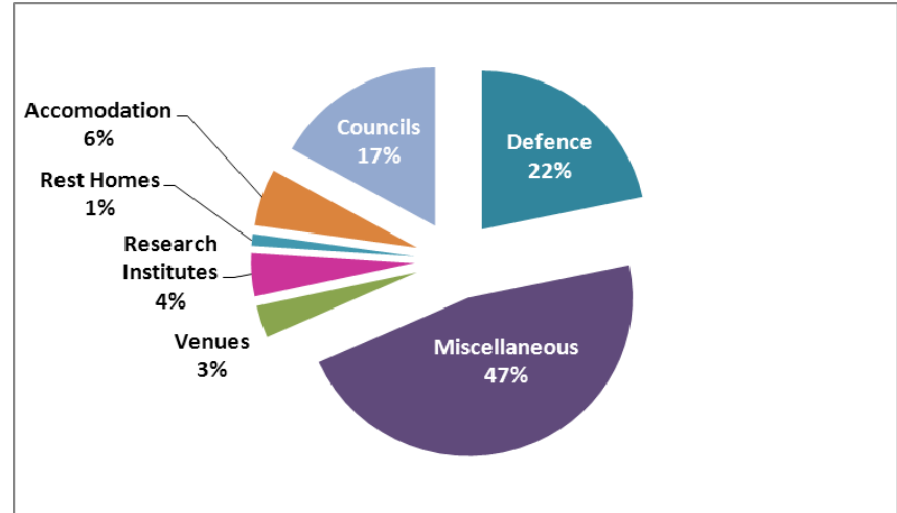
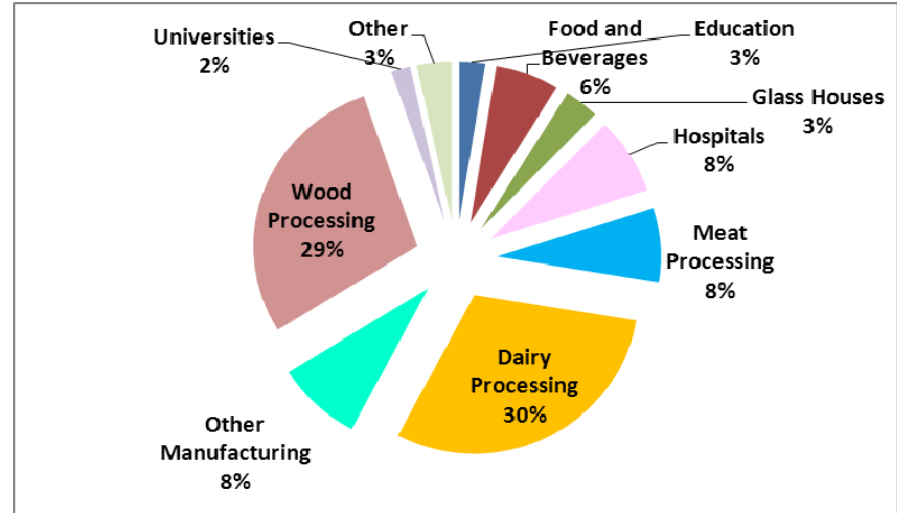


Figure 2 a and b. % distribution of total MW across sectors. (2b = “other” sector identified in 2a).

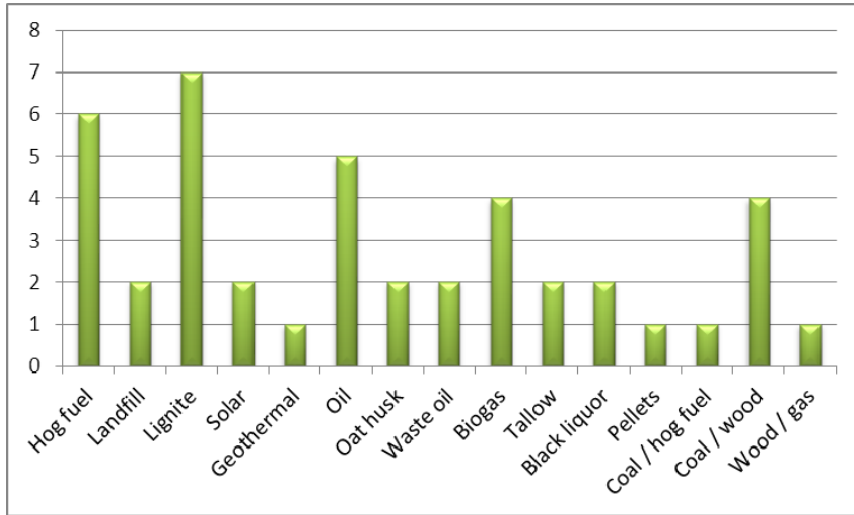
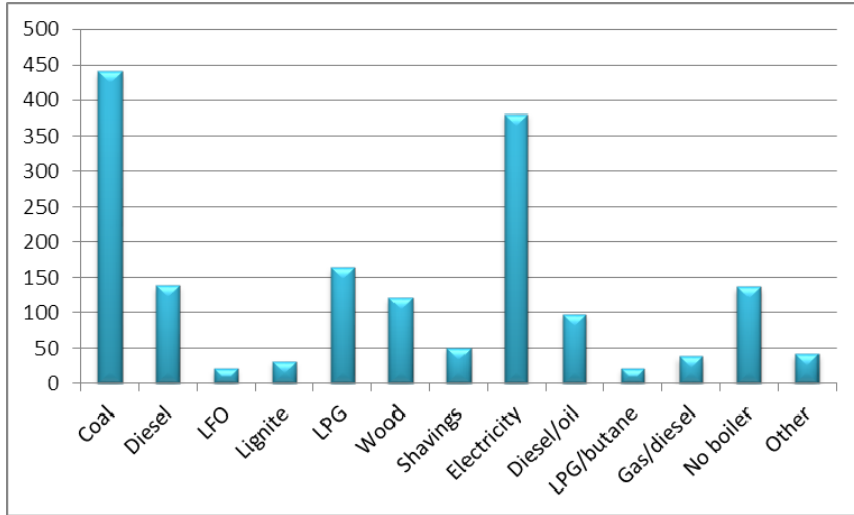
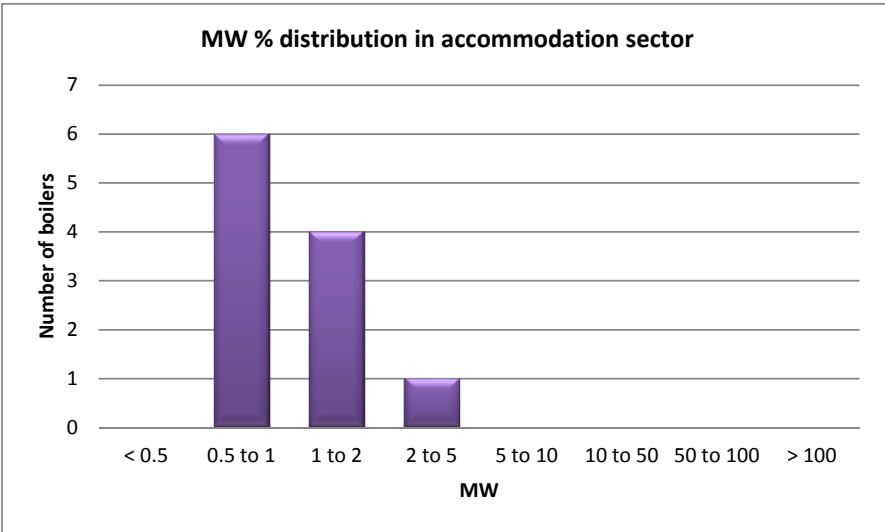
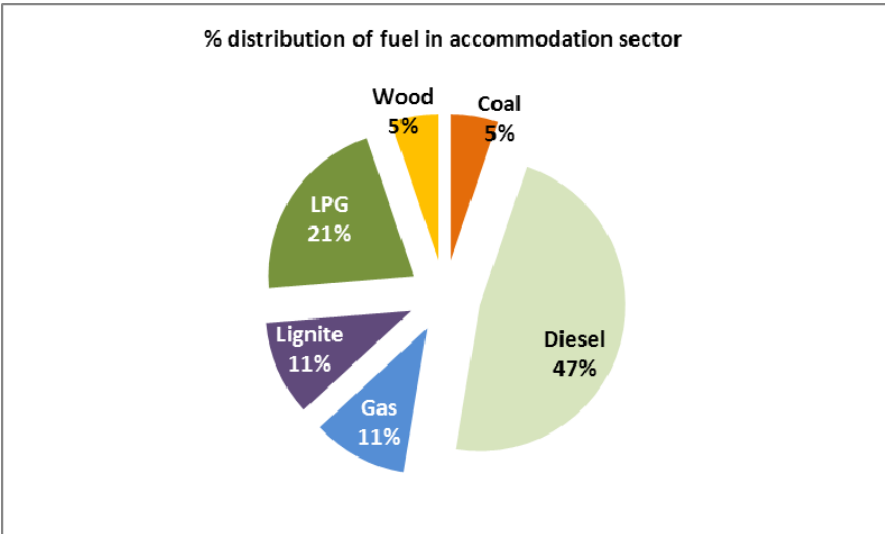


Figure 3a and b. Total fuel distribution across all sectors. Note: Gas at 1100 has been left off.

5.1 Accommodation

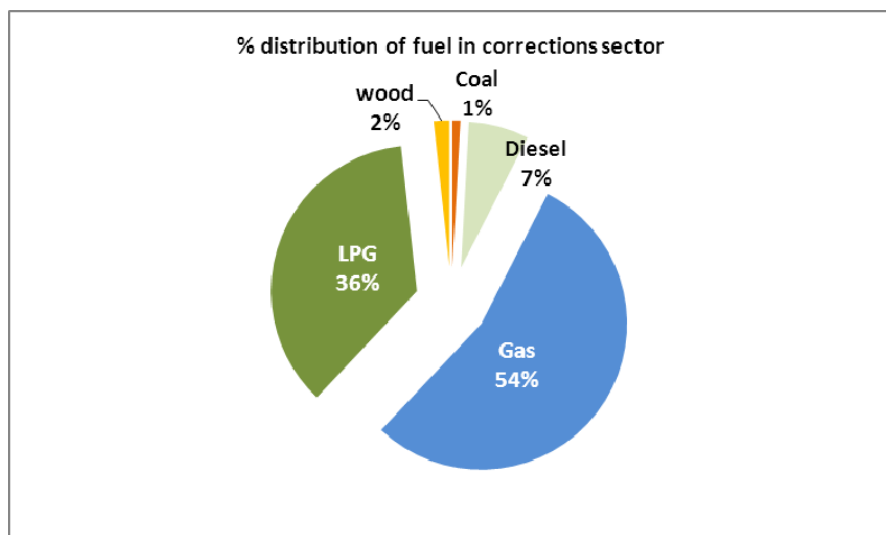


This sector was not selected for survey but it was felt that the numbers that came back merited individual attention. This is a small sector and only 2 results show age v MW (40 yrs @ 0.78MW and 17 y @ 1 MW). This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.



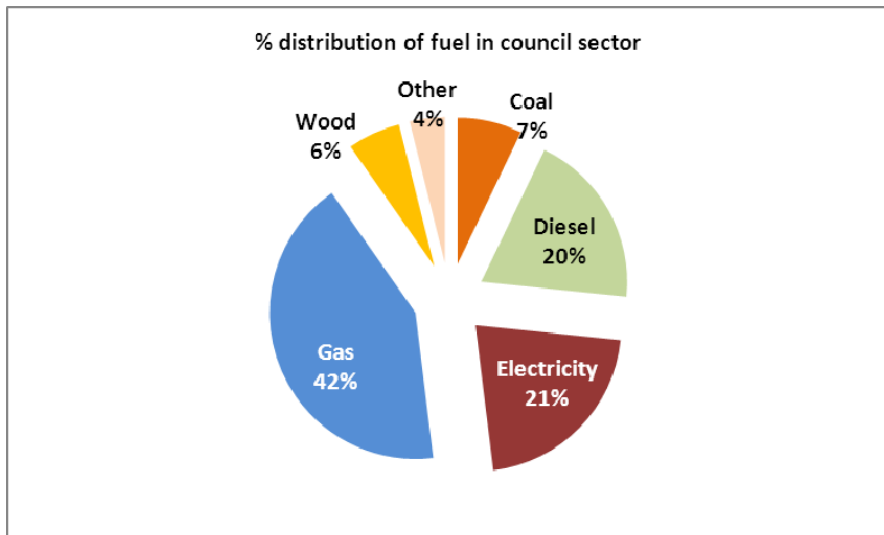
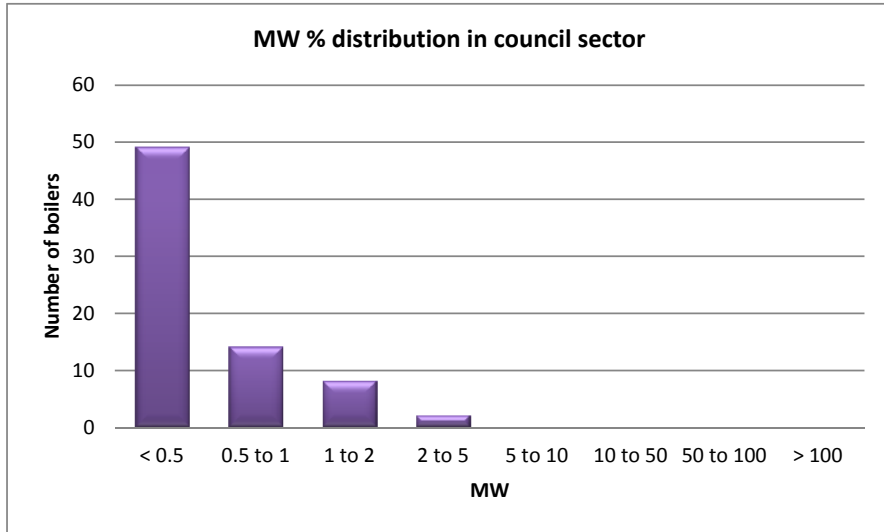
5.2 Correctional and Detention Services

No Information available on the MW% distribution in this sector.

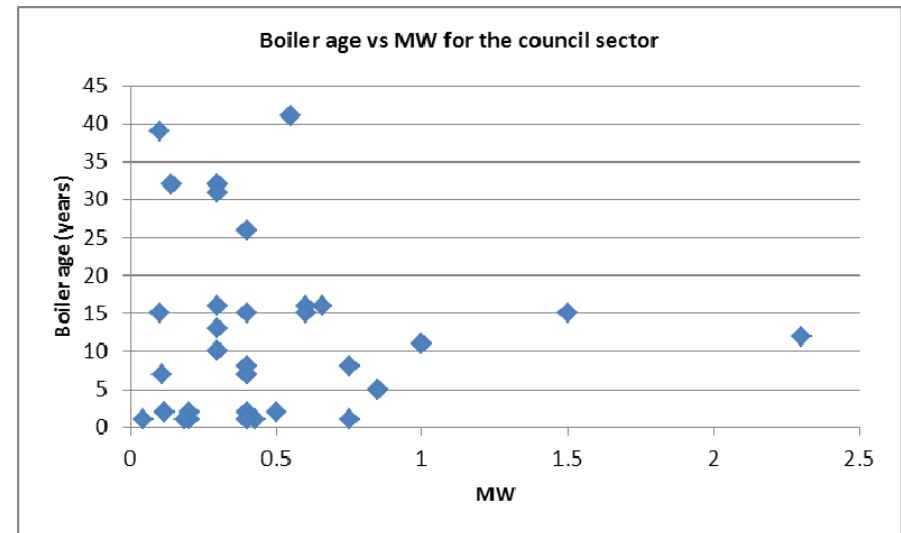


Corrections have 345 boilers. It is a significant sector but there is only limited information available per boiler. There is no data available on the MW so a comparison of age vs MW can not be made. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.

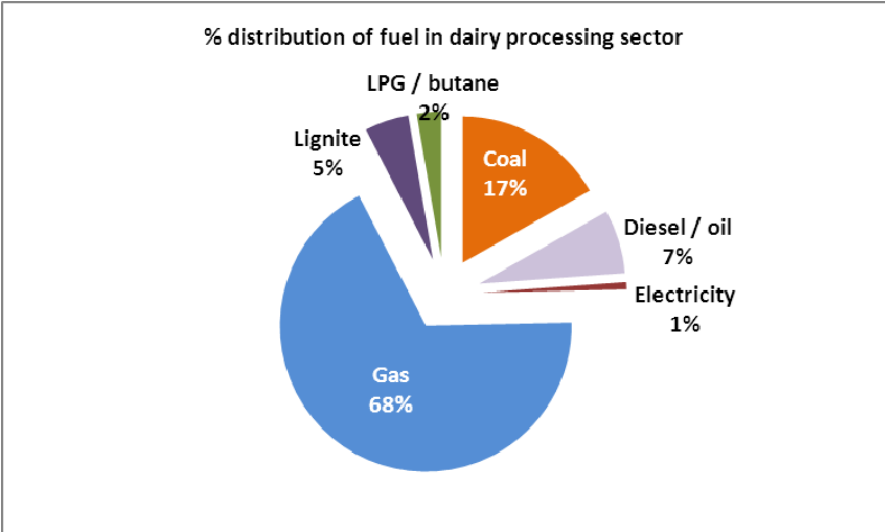
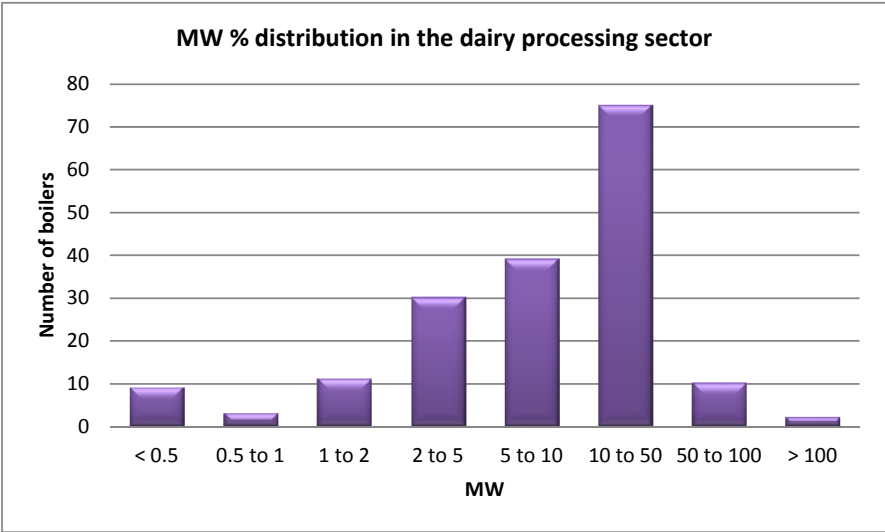
5.3 Councils



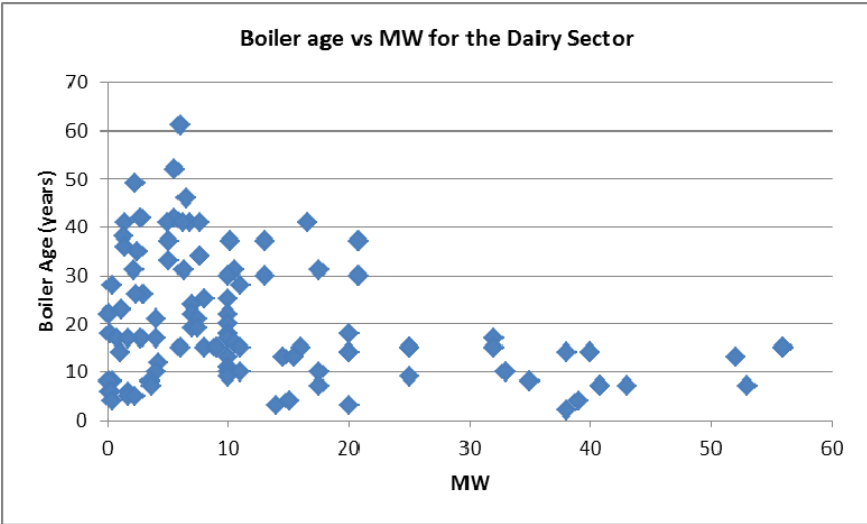
Councils have provided over 160 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.

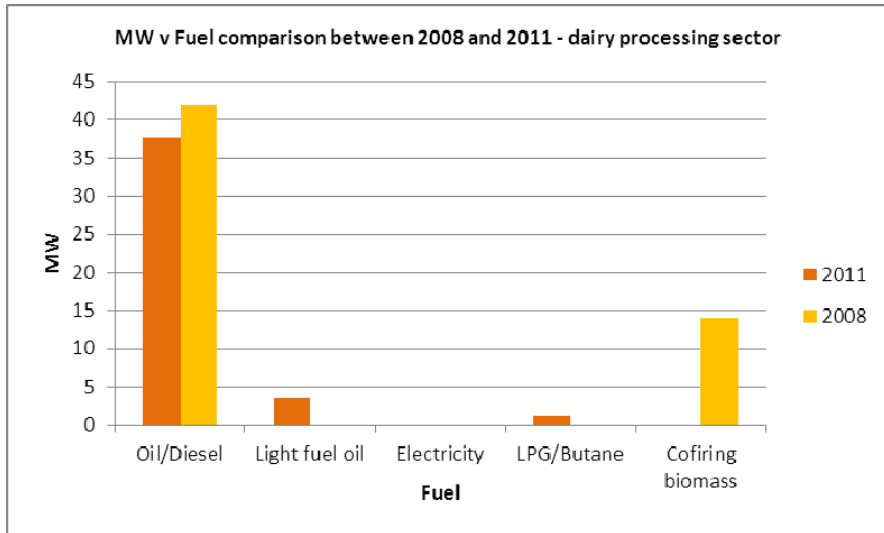
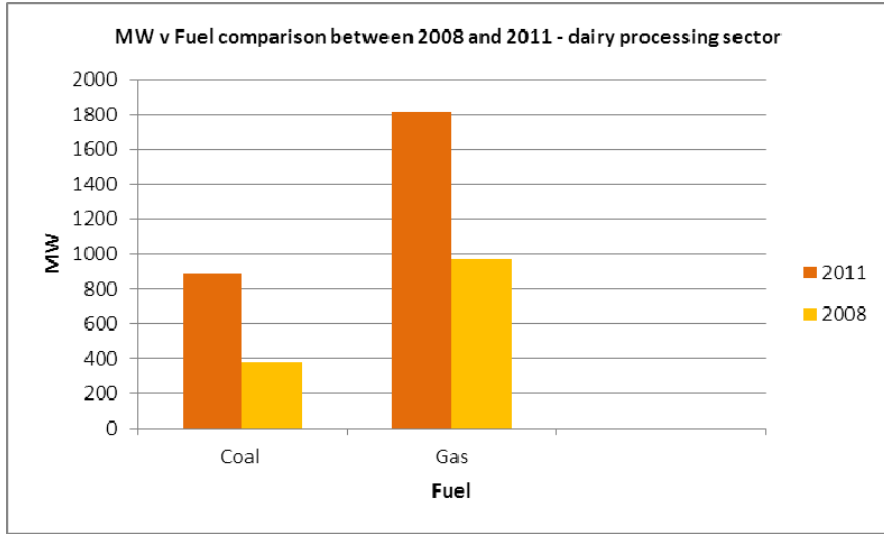


5.4 Dairy Processing

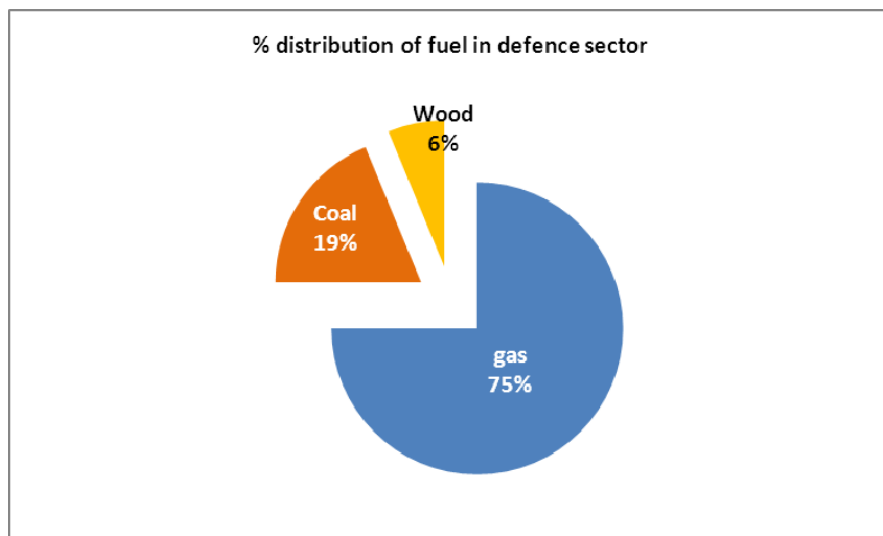
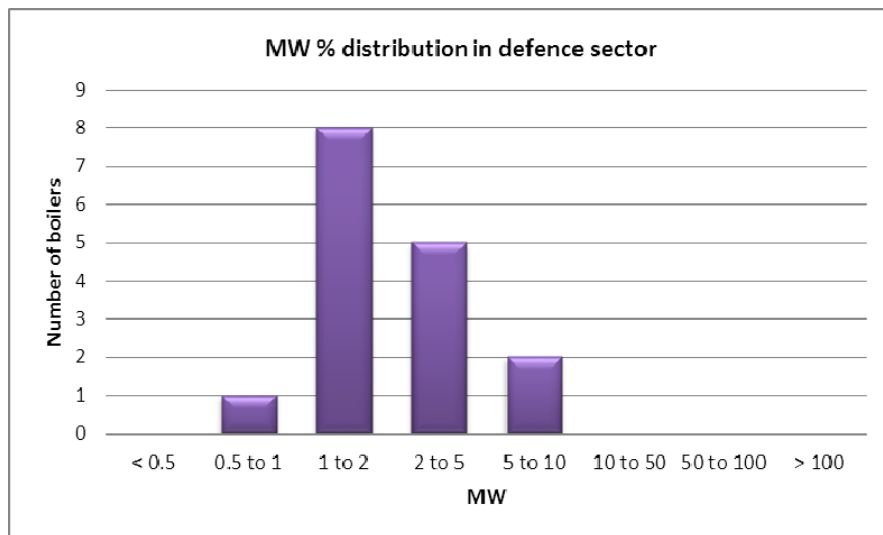


The dairy sector provided over 250 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs.



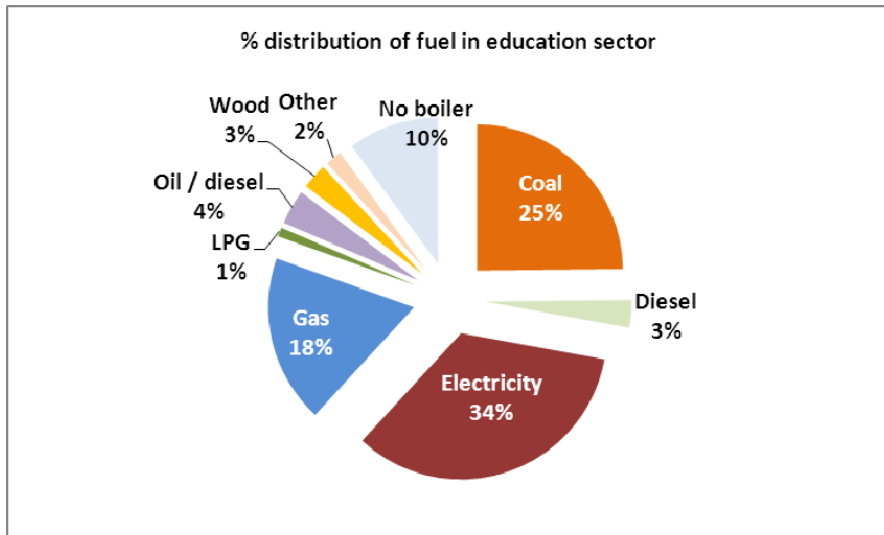
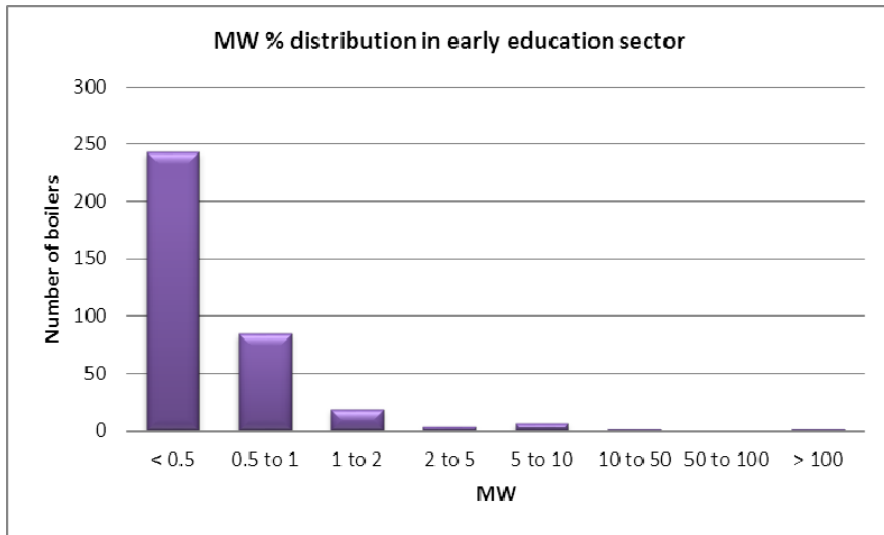


5.5 Defence

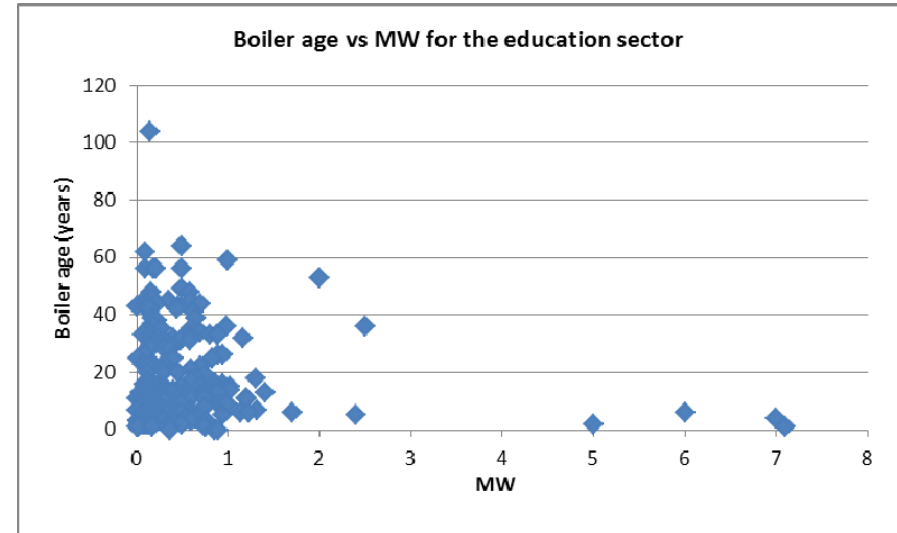


The defence sector provided 16 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs. Only half of the entries have both age and MW data. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.

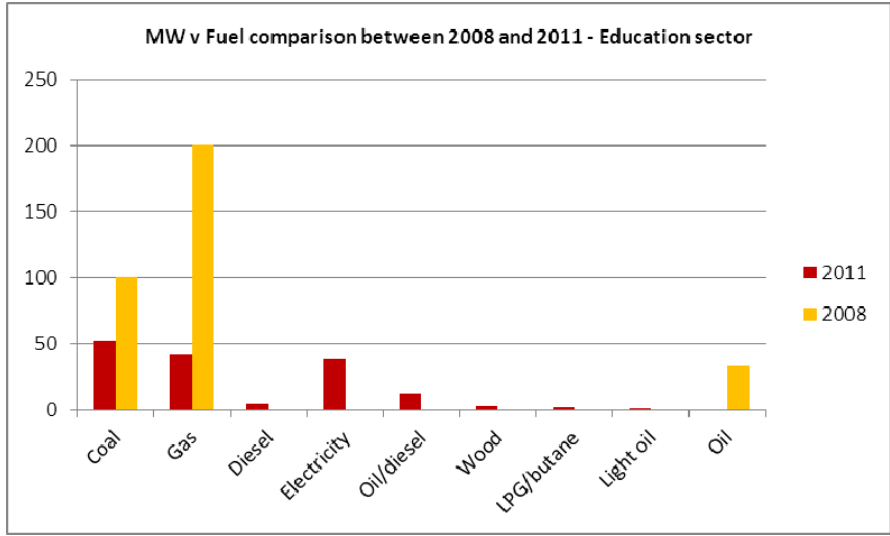
5.6 Education



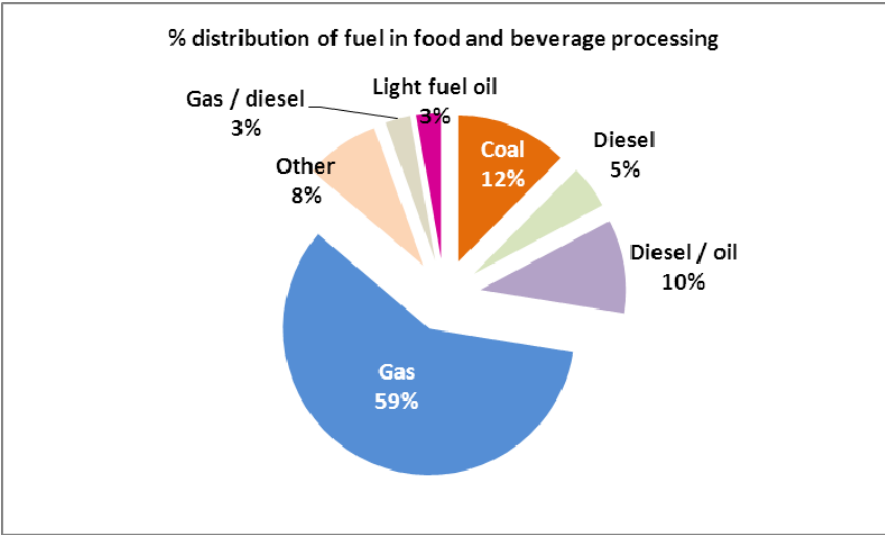
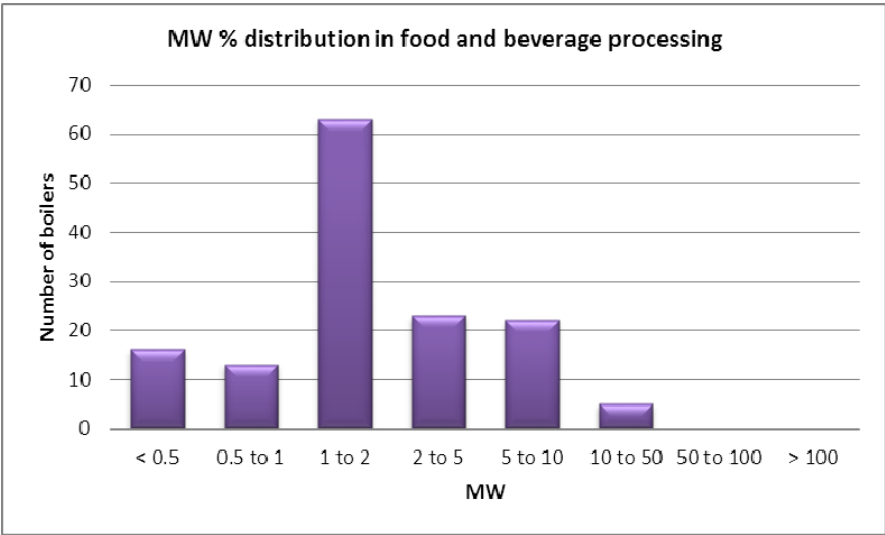
The dairy sector provided over 1100 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs.



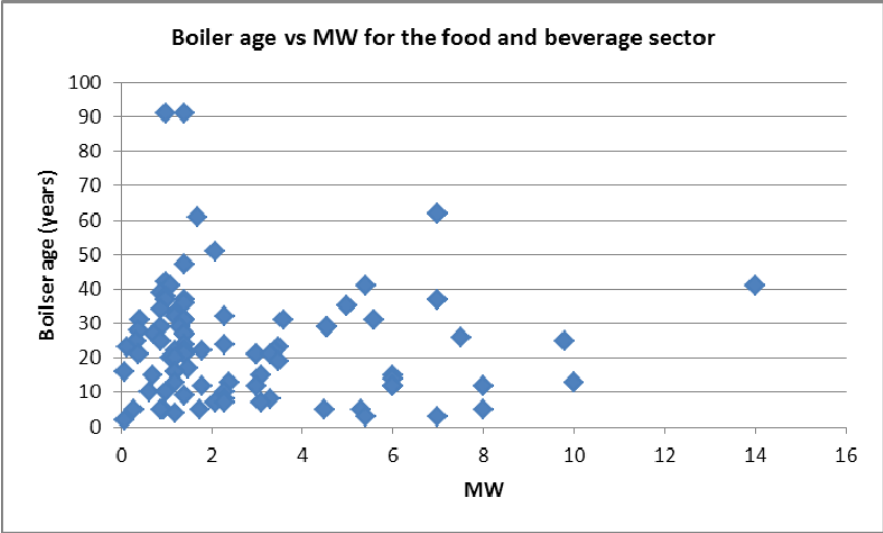
For this sector 317 entries gave electricity as the fuel unit, however of these only 53 gave a MW rating, similarly there was a lot of data for coal as fuel but not as much on the MW rating. This lack of data skews the results significantly when comparisons are made to the 2008 data.

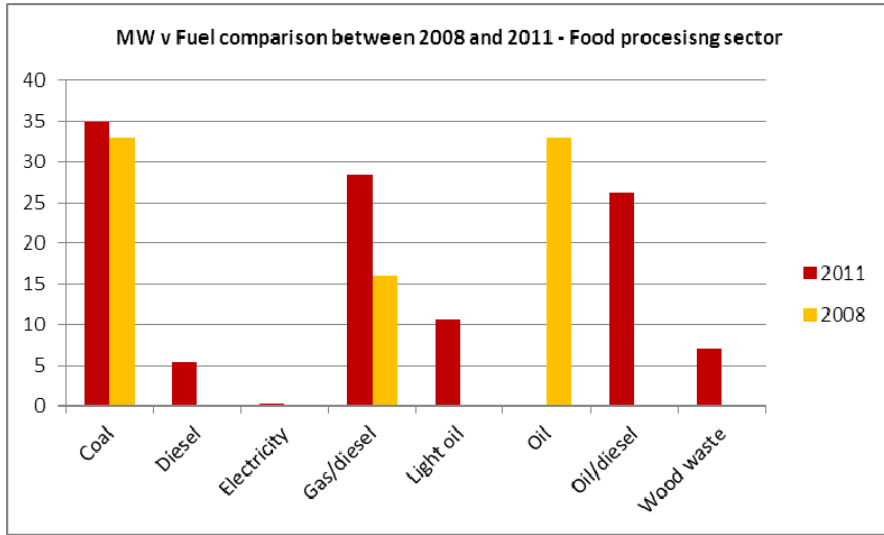
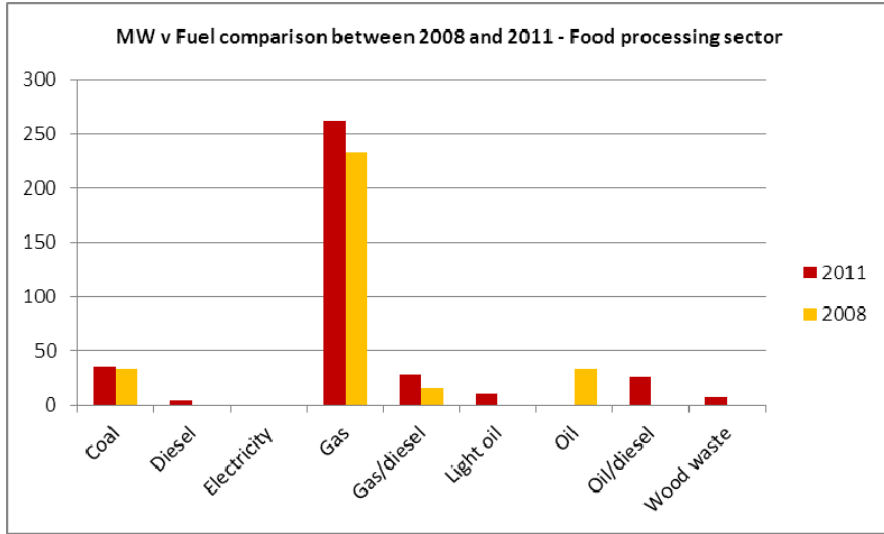


5.7 Food Processing (incl. beverages)

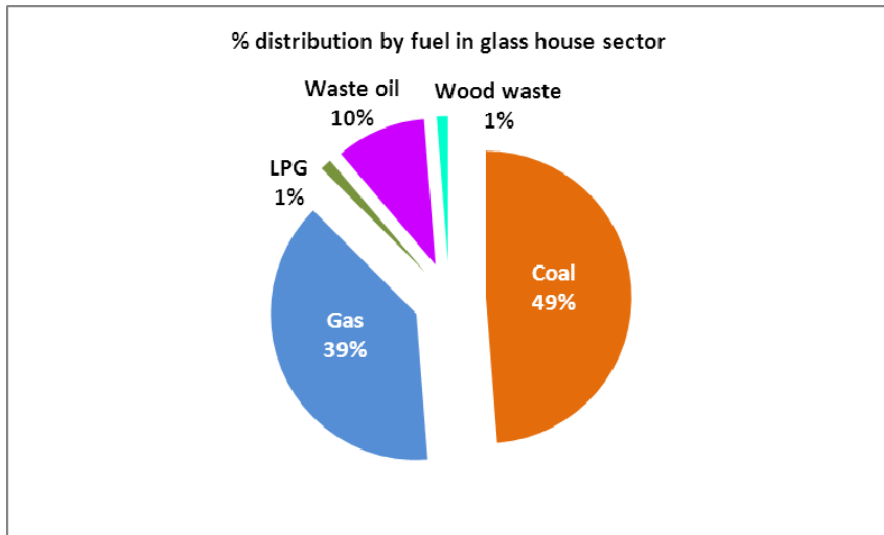
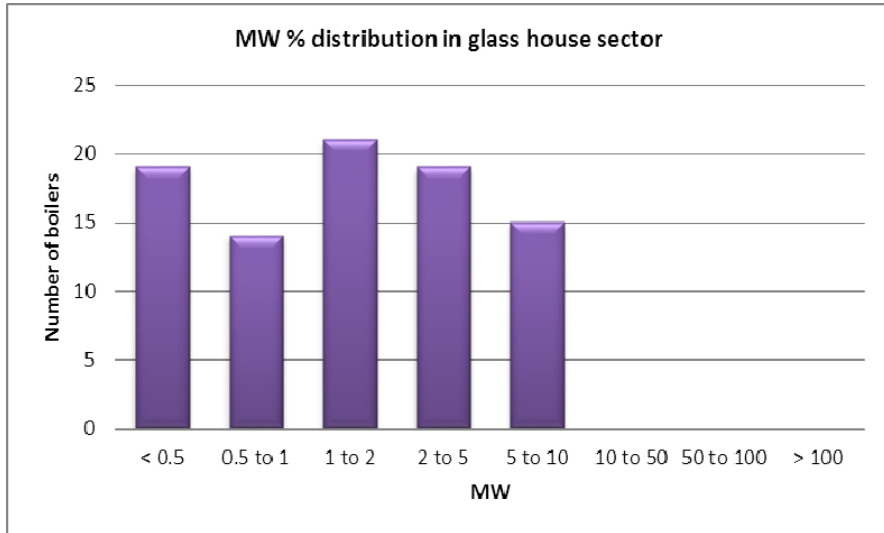


The food and beverage sector provided over 150 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs.

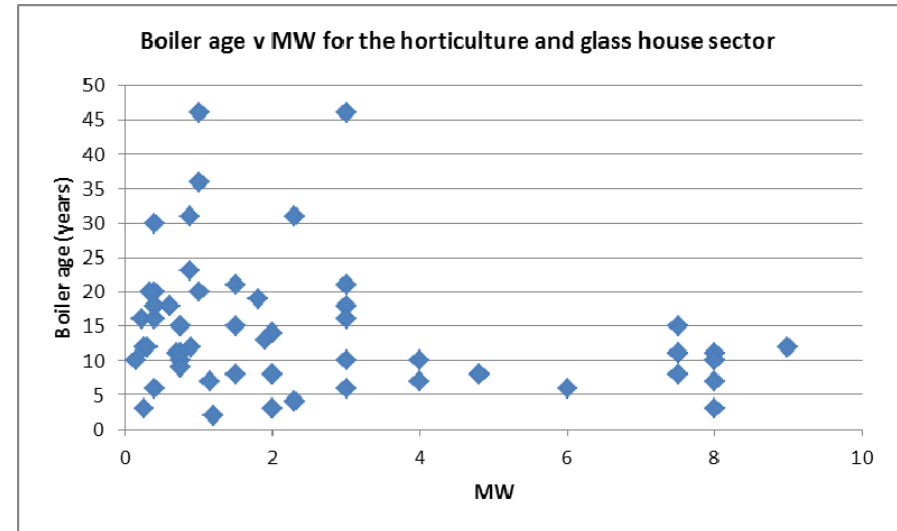




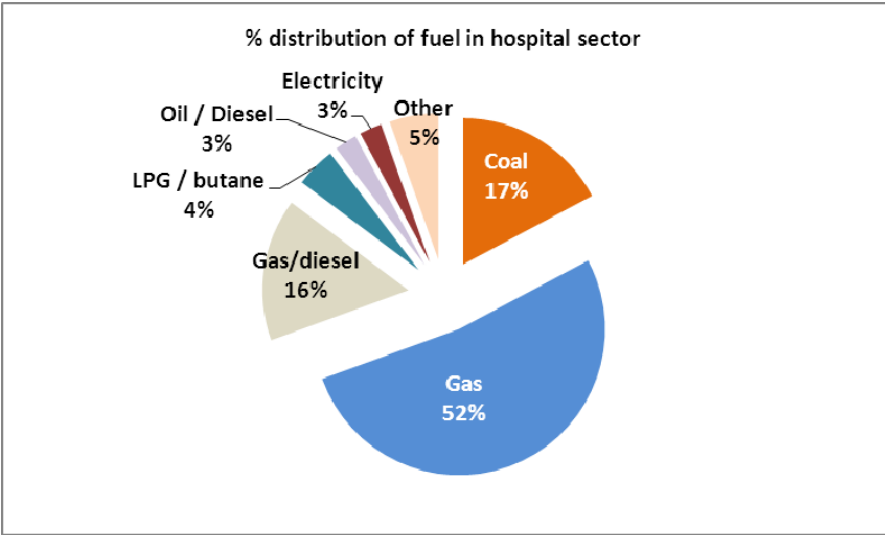
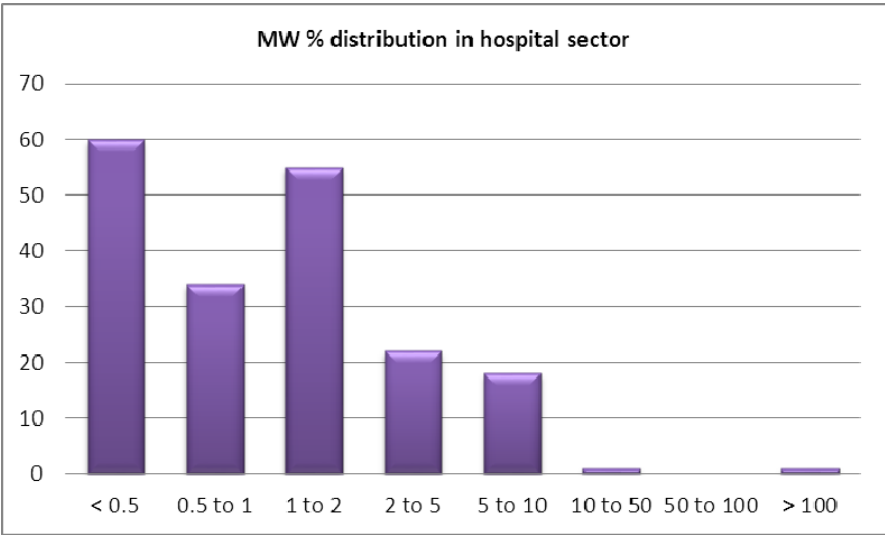
5.8 Horticulture - Glass Houses



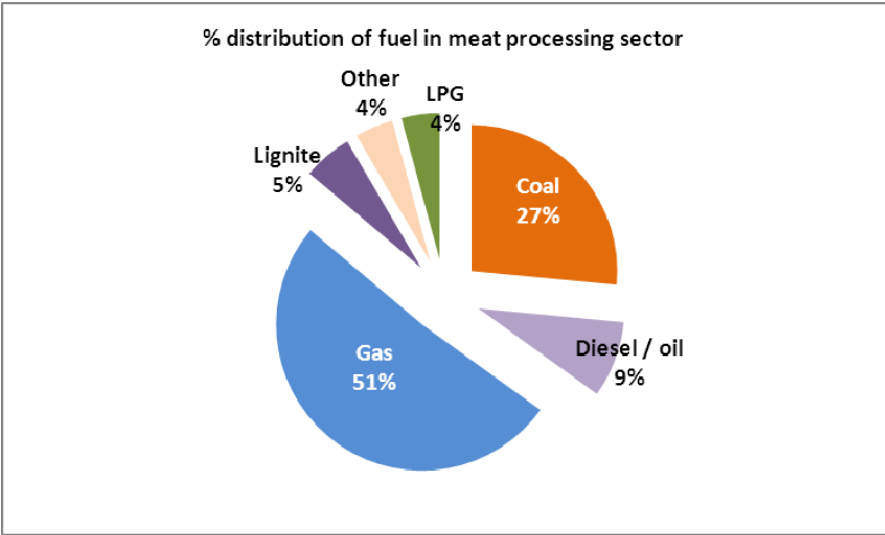
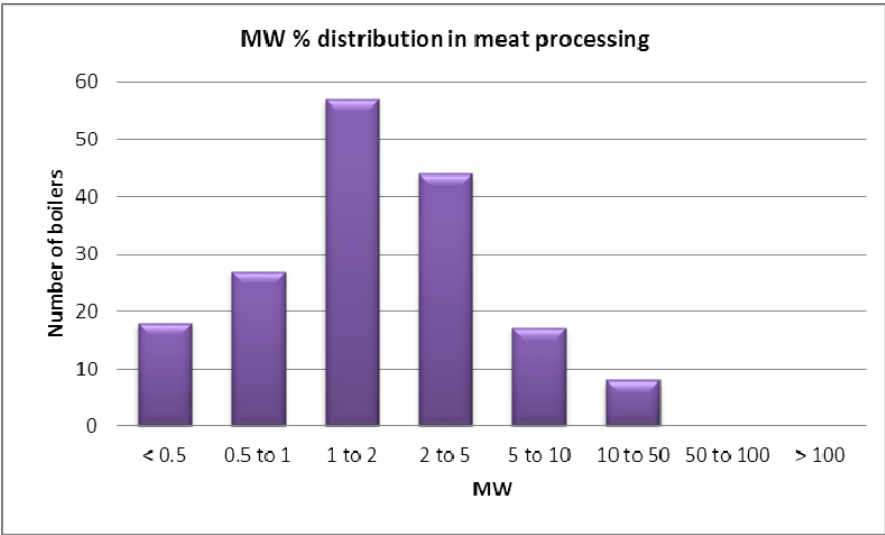
The Horticulture sector provided over 100 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.



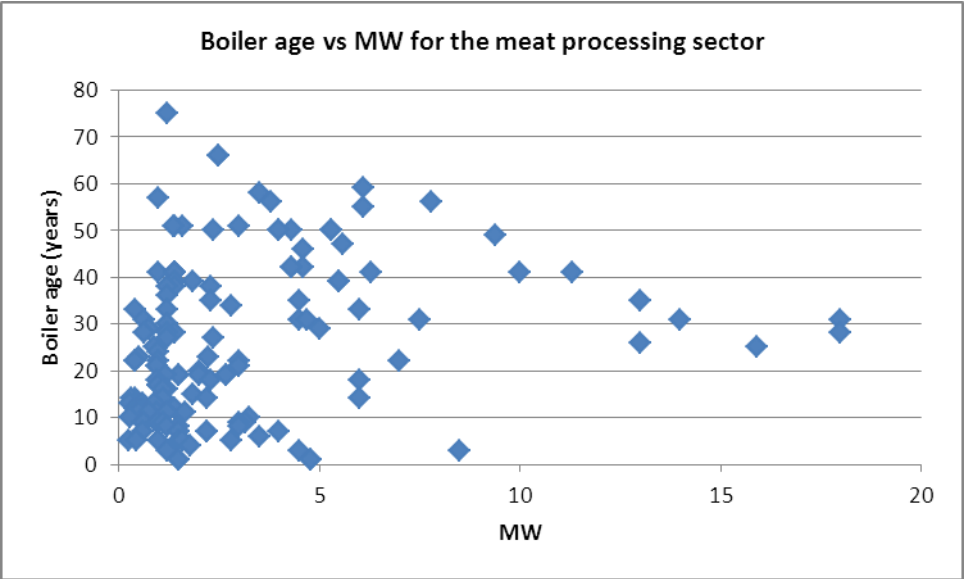
5.9 Hospitals

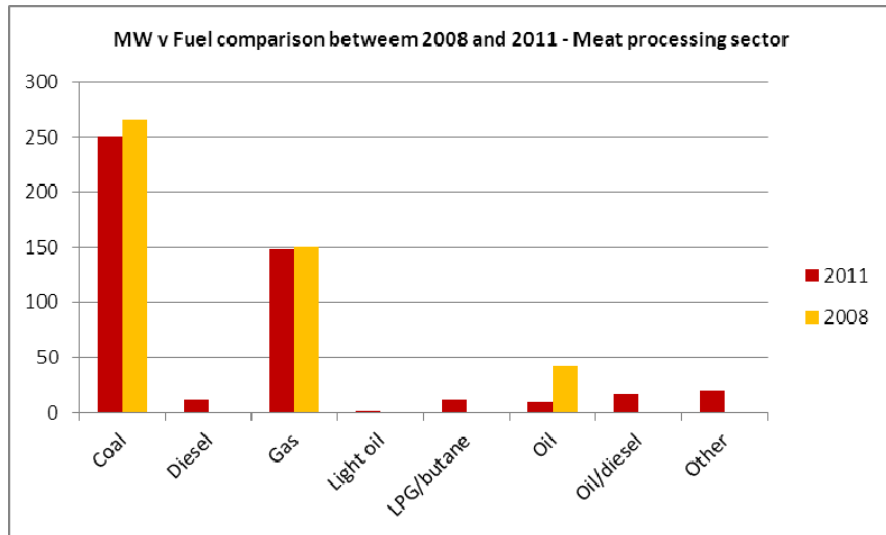


5.10 Meat Processing

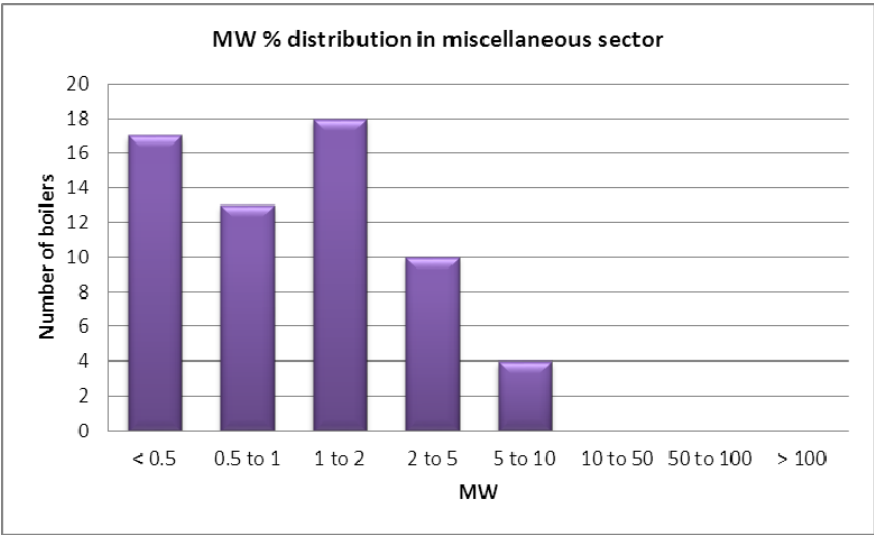


The Meat processing sector provided over 170 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs.

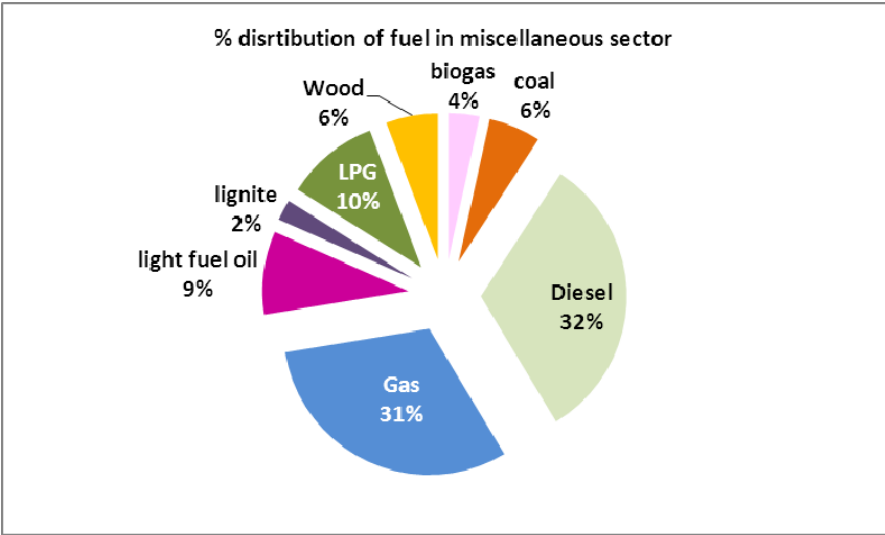




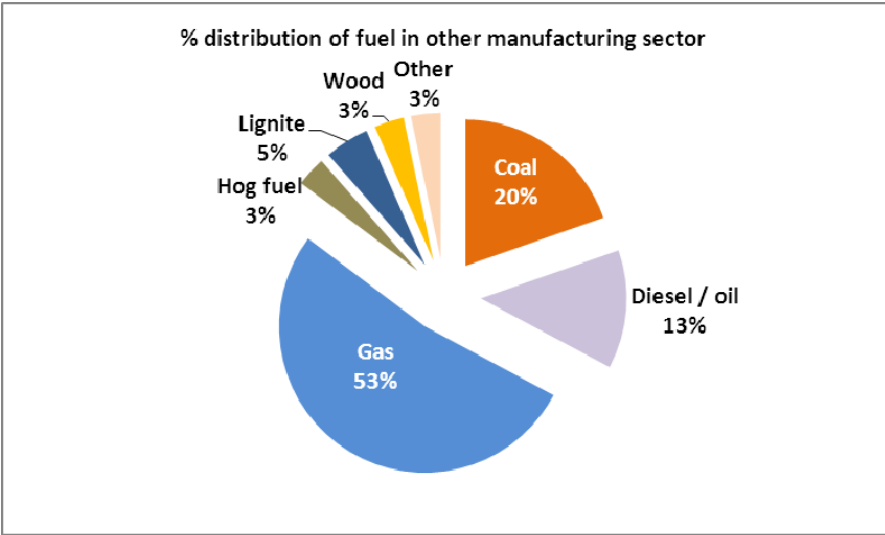
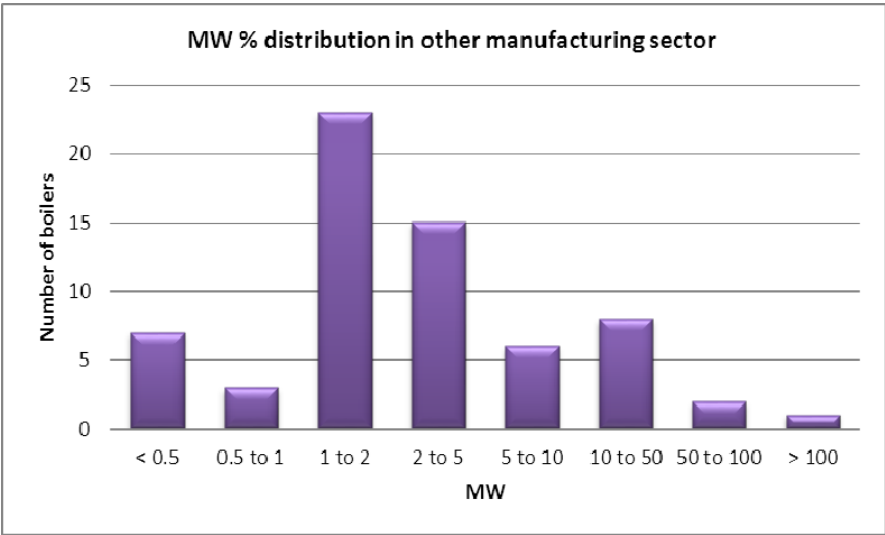
5.11 Miscellaneous



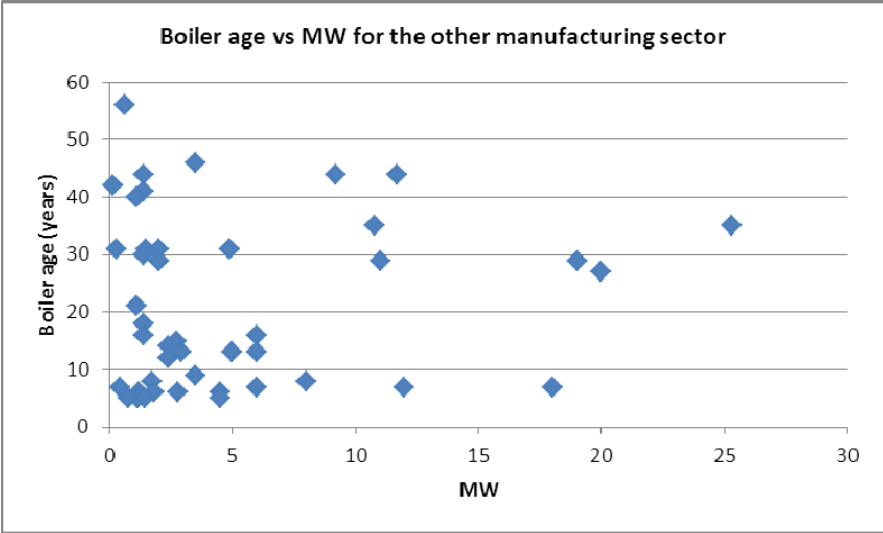
The Miscellaneous sector provided over 90 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs. Only 2 entries in this sector had both age and MW data, so this will not be graphed. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.

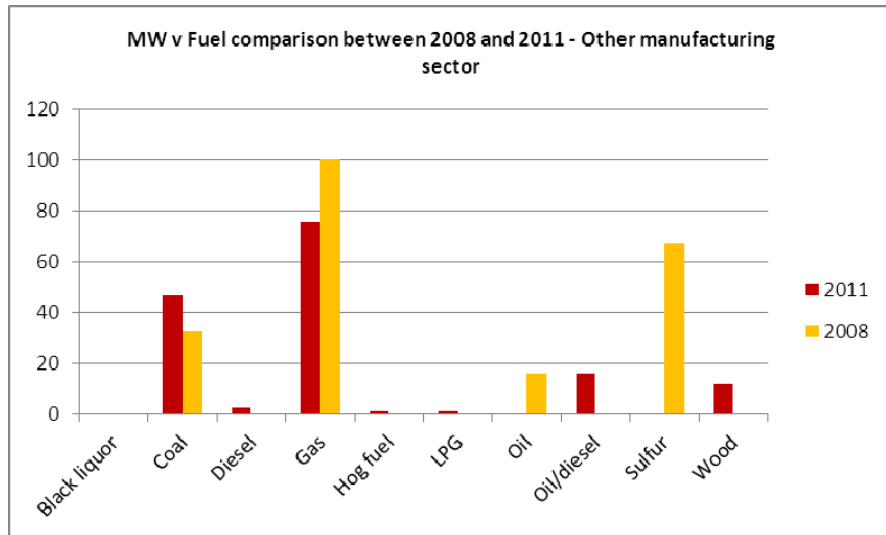


5.12 Other Manufacturing

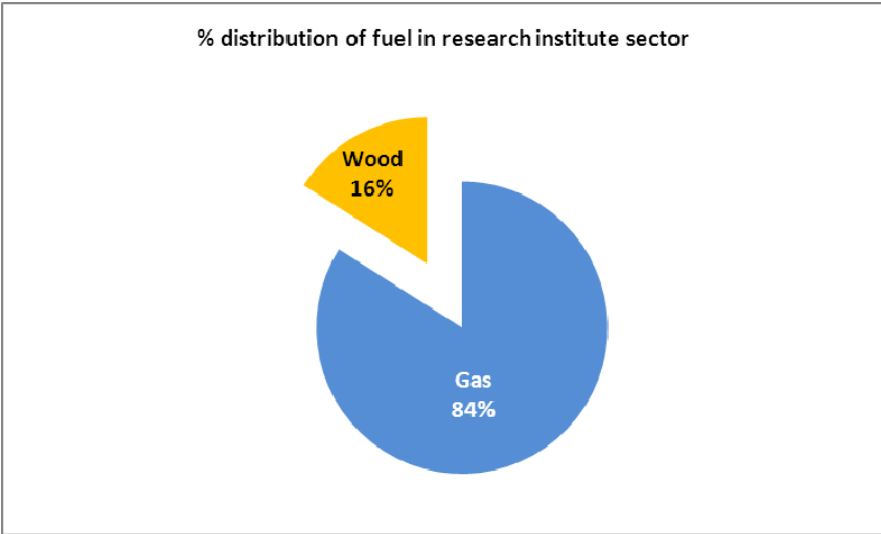
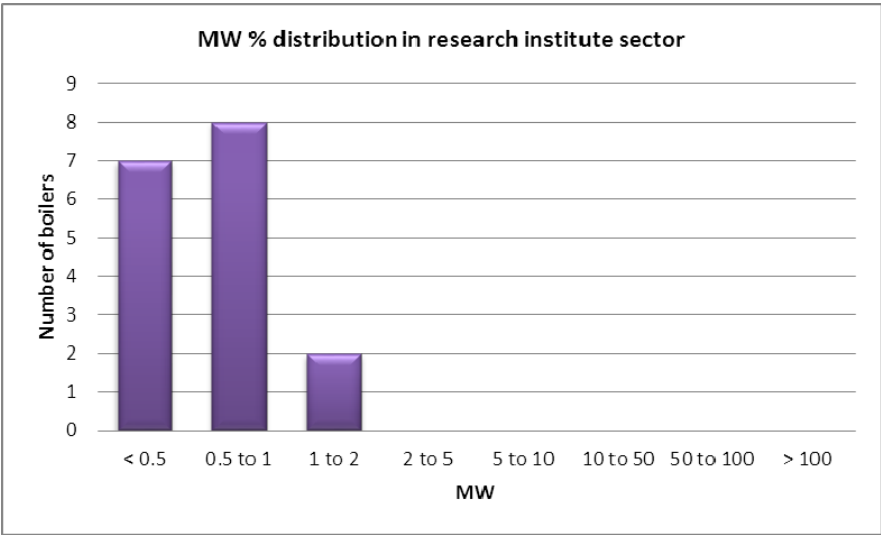


The Other manufacturing sector provided over 70 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs.

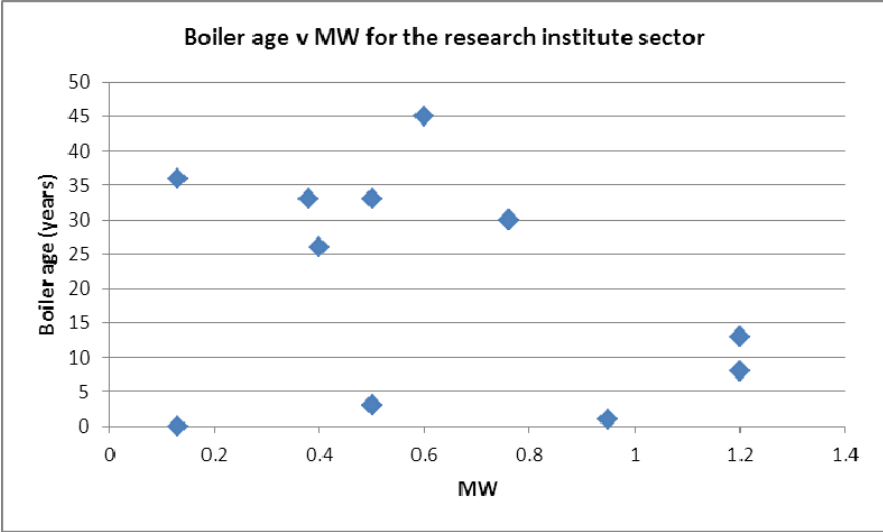




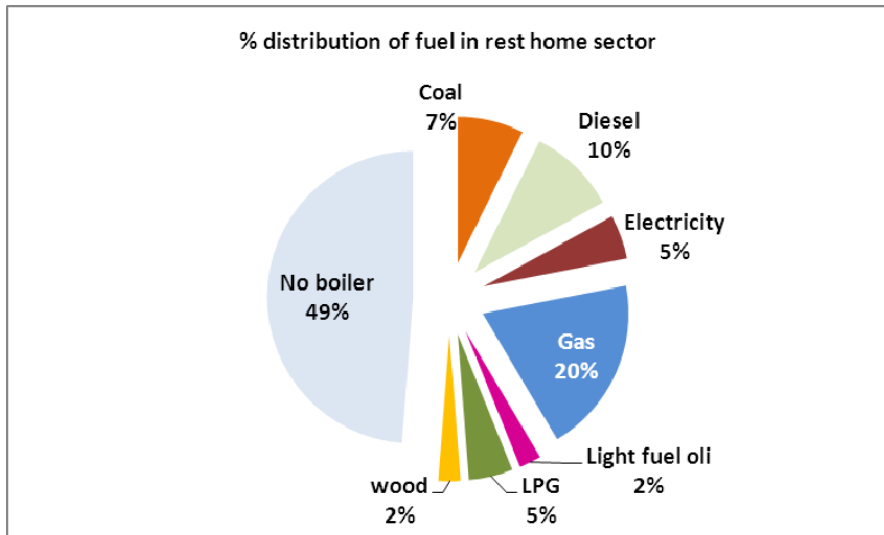
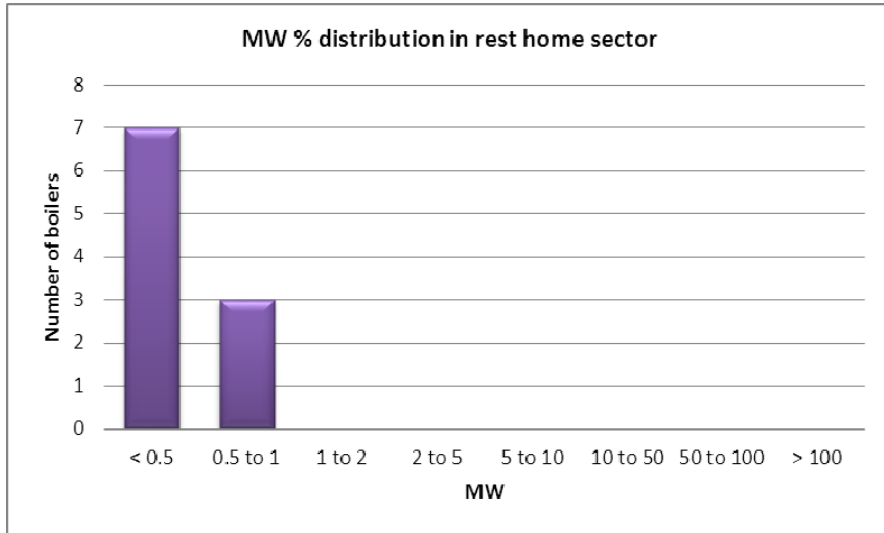
5.13 Research Institutes



The Research Institutes sector provided over 75 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs. Limited entries in this sector had both age and MW data, so the graph is of limited value. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.

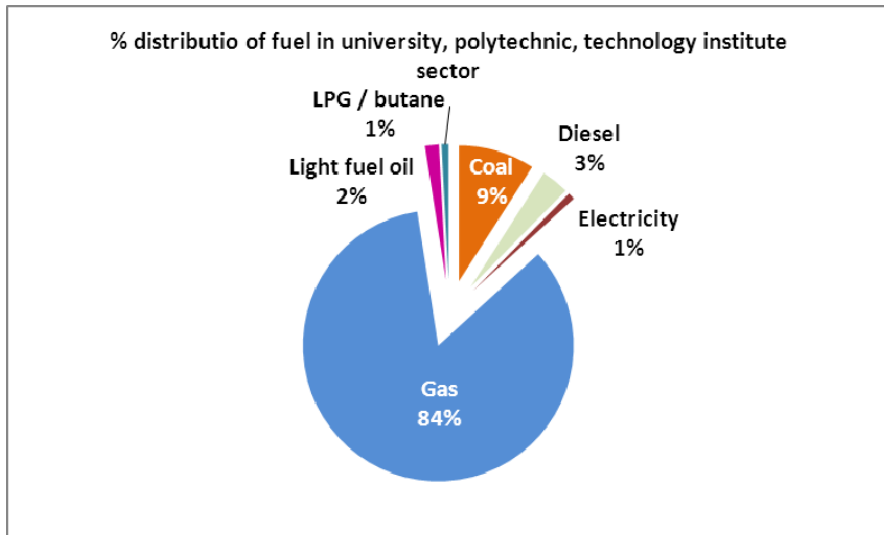
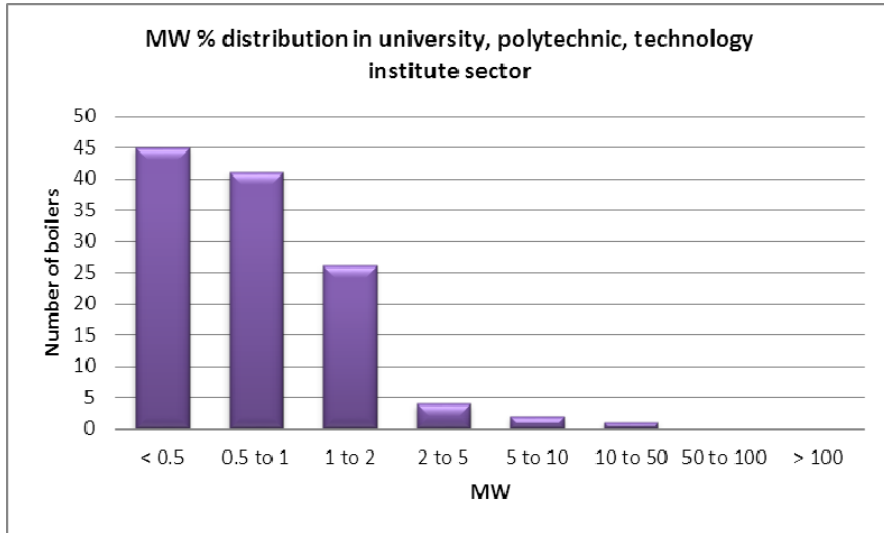


5.14 Rest Homes

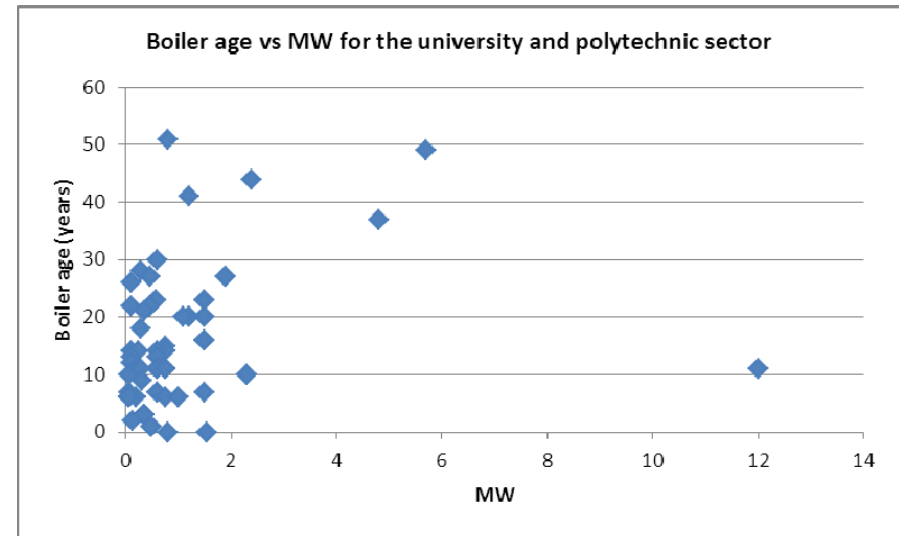


The Rest homes sector provided over 70 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs. Only 5 entries in this sector had both age and MW data, so this graph has not been plotted. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.

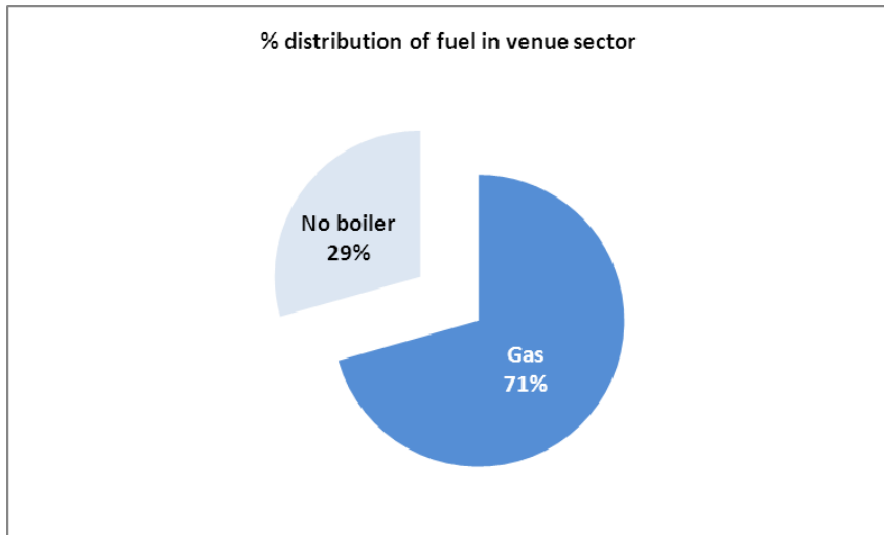
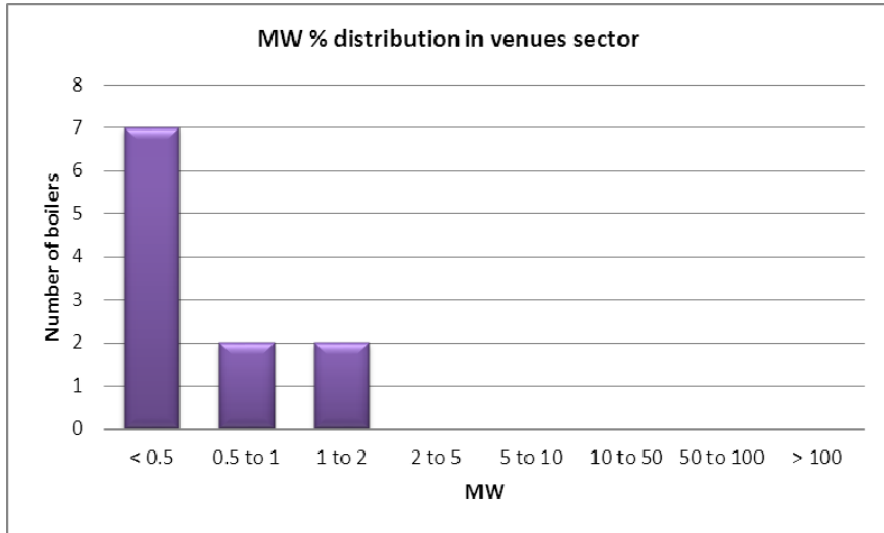
5.15 University, Polytechnic, Technology Institutes



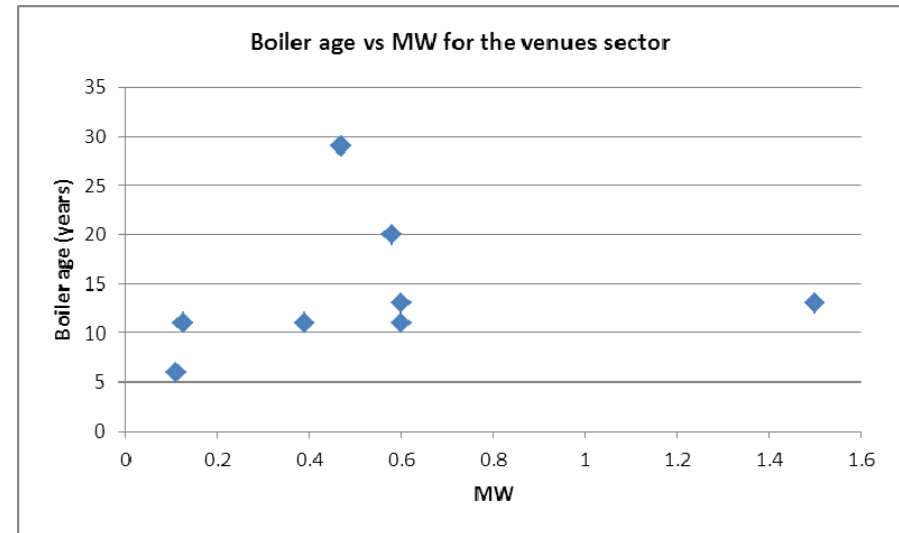
The University and polytechnic sector provided over 150 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.



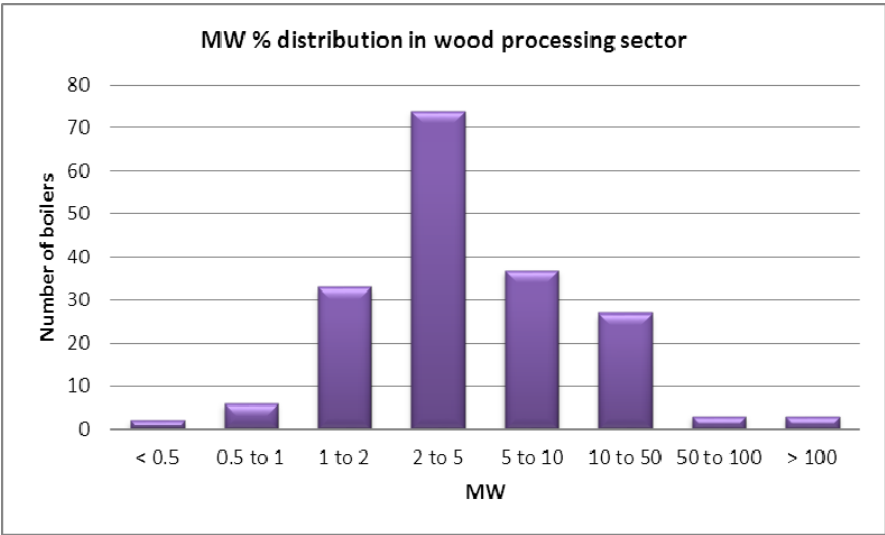
5.16 Venues



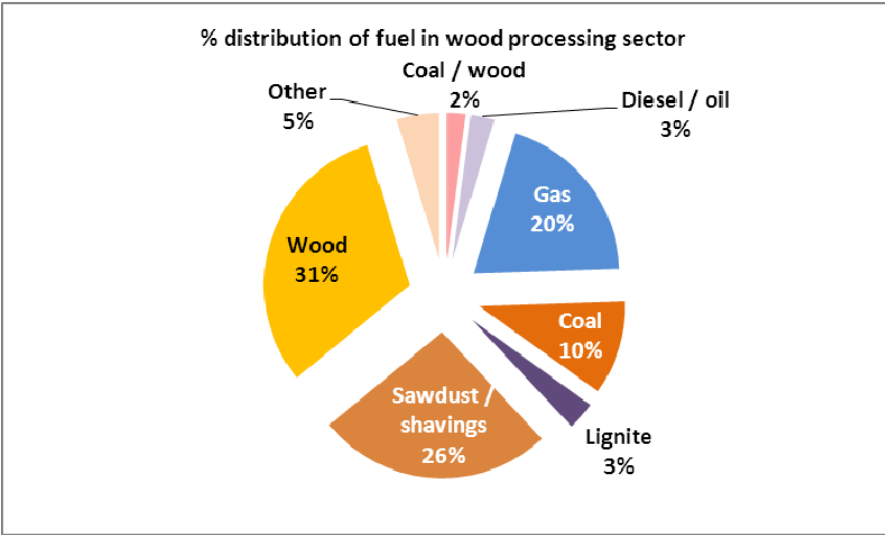
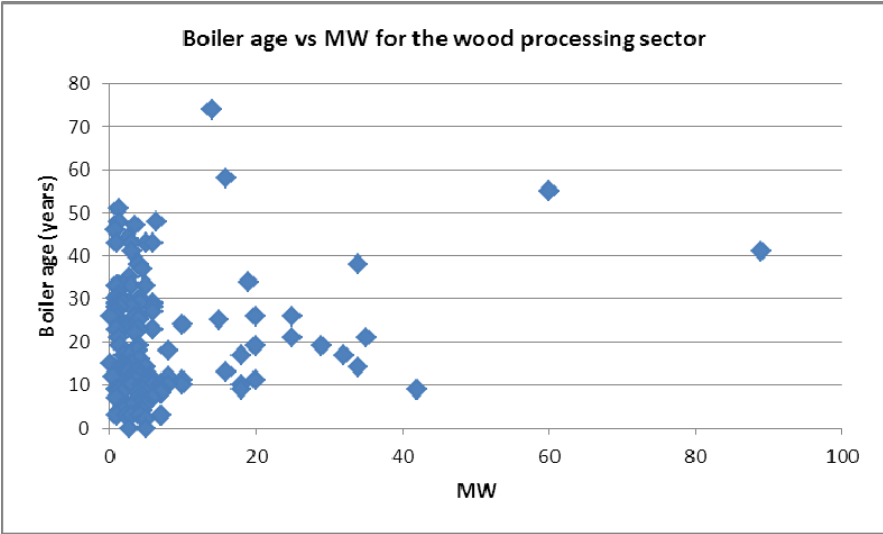
The Venues sector considers venues with a capacity for 1000 + people. It is a small sector and only provided 34 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs. This sector was not considered in the previous database and so cannot be considered in terms of changes in heat plant capacity by fuel type by sector.

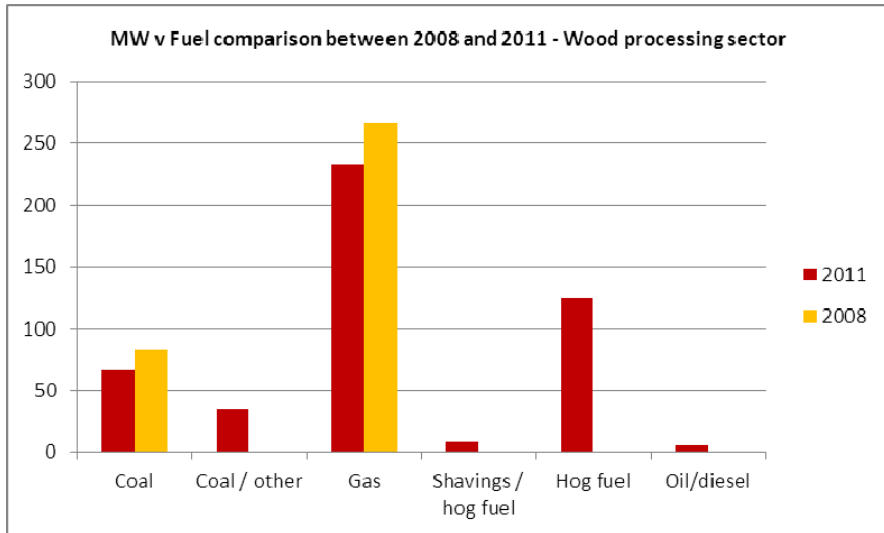
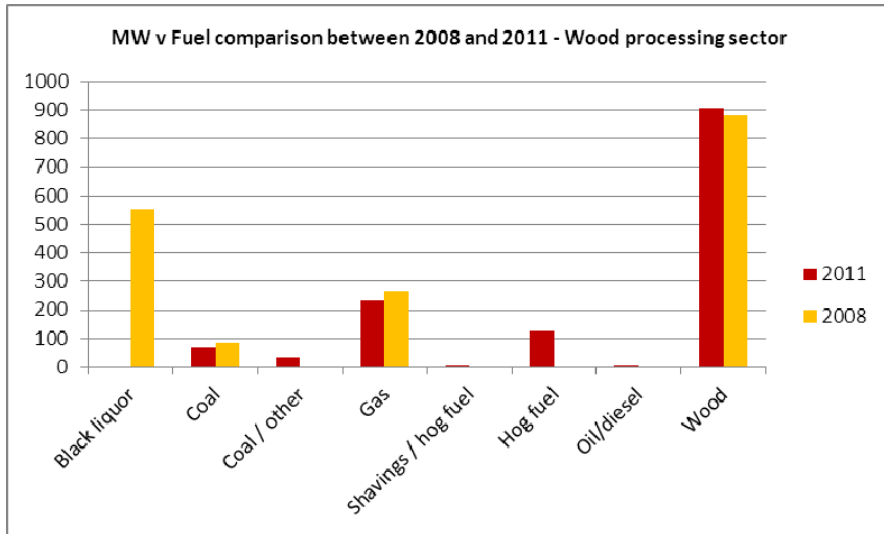


5.17 Wood Processing



The wood processing sector provided just under 200 entries. When examining the graphs it should be noted that not all the relevant data was contained in each entry and this will be reflected in the graphs.





5.18 Education (no reply)

See Appendix 18 for details.

Sector	ANZSIC Code	CompanyName	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec.Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
No. of Sites: 23		Accommodation																				
Accommodation		GloPeak Hotels PTE Ltd Trading	Holiday Inn Auckland Airport (Glopeak NZ Hotels)					0.714					17	365		no			Natural gas			
Accommodation	H440000	GloPeak Hotels PTE Ltd Trading	Holiday Inn Auckland Airport (Glopeak NZ Hotels)					0.714					17	365		no			Natural gas			
Accommodation	H440000	Fiordland Hotel	1 Burnby Place, Te Anau	Boag/Buchanan			1975												coal	96	tonnes	
Accommodation	H440000	Ascot Park Motels	Cnr Racecourse Road and East Road, Invercargill	Boag			1971	0.78	Hot water		3				3416				85	lignite		
Accommodation	H440000	Ascot Park Motels	Cnr Racecourse Road and East Road, Invercargill	Trepass			1994	1	Hot water		3				4380				85	lignite		
Accommodation	H440000	Silo Stay Ltd	Silo Stay																			
Accommodation	H440000	Alexandra Motel	Alexandra																	Diesel boiler		
Accommodation	H440000	Alexandra Tourist Park	Alexandra																	Diesel boiler		
Accommodation	H440000	Ocean Lodge	20 Murali St Nelson						HW							No				Diesel	8000?	litres
Accommodation	H440000	Honest Lawyer Hotel	1 Point Rd Nelson						HW											LPG	12.5?	tonnes
Accommodation	H440000	Parkroyal Queenstown	Beach St Queenstown																	Diesel boiler	150000?	litres
Accommodation	H440000	Rydges Queenstown	Lake Esplanade Queenstown																	Diesel boiler	30000?	litres
Accommodation	H440000	Rydges Queenstown	Lake Esplanade Queenstown																	LPG boiler	6000?	litres
Accommodation	H440000	The Heritage Queenstown	Fernhill Road Queenstown																	LPG boiler	160000?	litres
	H440000	Wigram Lodge 2001 Ltd	Hornby																	wood chip		
Accommodation	H440000	Southern Cross Hotel - Scenic Circle	Cnr Princes & High Streets Dunedin																	Diesel		litres
Accommodation		BNZ Property Services	Princes St Dunedin					1.8												Diesel	10000?	litres
Accommodation		Forefront Holdings Ltd	Princes Street Dunedin					2.1												Diesel	56000?	litres
Accommodation		Housing Corp Ltd	Princes Street Dunedin					1.6												LFO	96000?	litres
Accommodation		NZ Post Properties Ltd	Princes Street Dunedin					1.2												Diesel		
Accommodation		James Maurice Properties	Dunedin					0.75												LPG		
Accommodation		Plaza Property Trust						0.806												LFO		
Accommodation		Plaza Property Trust						0.806												LFO		

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
No. of Sites: 345		Correctional and Detention Services																				
Correctional and Detention Services	0771400	Arohata Women's Prison		TBA	TBA														NATURAL GAS			
Correctional and Detention Services	0771400	Arohata Women's Prison		TBA	TBA														NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Central Remand Prison																				
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		GARIONI NAVAL	NG/C 500			0.5											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM400			0.4											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM400			0.4											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		MAN B AND W	PROCON 75														NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		Unknown	Unknown														NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	AY 100			0.1											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		HOVAL	SR125A21														NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		HOVAL	SR 150														NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM500			0.5											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM500			0.5											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM500			0.5											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM600			0.6											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM600			0.6											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM600			0.6											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)		YGNIS	EM500			0.5											NATURAL GAS			

Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)	YGNIS	EM500			0.5											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)	YGNIS	NG/C 750			0.75											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Prison (Paremoremo)	YGNIS	EM500			0.5											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Region Woman's Correction Facility	YGNIS	EMK750			0.75											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Region Woman's Correction Facility	YGNIS	EMK1200			1.2											NATURAL GAS			
Correctional and Detention Services	0771400	Auckland Region Woman's Correction Facility	YGNIS	EM1200			1.2											NATURAL GAS			
Correctional and Detention Services	0771400	Christchurch Prison	BONGIOANI	EUROBONGAS														DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	ENERGY PRODUCTS	YGNIS AQUATHER MEMK500			0.5											DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	ENERGY PRODUCTS	YGNIS														DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	ENERGY PRODUCTS	YGNIS														DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	AQUATHERM	AY 250			0.25											DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	YGNIS															DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	HOVAL	SR250			0.25											DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	HOVAL	SR250			0.25											DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	HOVAL	SR400			0.4											DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	HOVAL	SR900			0.9											DIESEL			
Correctional and Detention Services	0771400	Christchurch Prison	YGNIS	AY100			0.1											DIESEL			

Correctional and Detention Services	0771400	Christchurch Woman's Prison		HOVAL	RIELLO PRESS 3G BURNER																DIESEL			
Correctional and Detention Services	0771400	Christchurch Woman's Prison		FERROLI	RIELLO PRESS 3G BURNER																DIESEL			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		MAN																	NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		MAN																	NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		AQUATHER M YGNIS	AY 250					0.25											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		AQUATHER M YGNIS	AY 250					0.25											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		AQUATHER M YGNIS	AY 250					0.25											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		AQUATHER M YGNIS	AY 250					0.25											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		AQUATHER M YGNIS	AY 250					0.25											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		HOVAL	SIZE F31																NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		HOVAL	SIZE F31																NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		BAXI	R30					0.045											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		BAXI	R30					0.045											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		BAXI	LUNA																NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		BAXI	R30					0.045											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		BAXI	R30					0.045											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30					0.045											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30					0.045											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30					0.045											NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30					0.045											NATURAL GAS			

Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison		RENDAMAX	R30				0.045											NATURAL GAS				

Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	ACV	TYPE HR 601													NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	ACV	TYPE HR 601													NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	ACV	TYPE HR 601													NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	TYPE HR 601													NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	TYPE HR 601													NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30	0.045												NATURAL GAS			

Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30			0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30			0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30			0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30			0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30			0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30			0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Hawke's Bay Regional Prison	RENDAMAX	R30			0.045												NATURAL GAS			
Correctional and Detention Services	0771400	Invercargill Prison	TAYLOR																COAL			
Correctional and Detention Services	0771400	Invercargill Prison	TRIWAY																COAL			
Correctional and Detention Services	0771400	Manawatu Prison	HYDRO THERM	HC60															NATURAL GAS			
Correctional and Detention Services	0771400	Manawatu Prison	RHEEM	HC60															NATURAL GAS			
Correctional and Detention Services	0771400	Manawatu Prison	RHEEM	HC60															NATURAL GAS			
Correctional and Detention Services	0771400	Manawatu Prison	HOVAL/TAY MAC	SR600															NATURAL GAS			
Correctional and Detention Services	0771400	Manawatu Prison	HOVAL/TAY MAC	SR600															NATURAL GAS			
Correctional and Detention Services	0771400	Manawatu Prison	TAYMAC	SR600															NATURAL GAS			
Correctional and Detention Services	0771400	Manawatu Prison	TAYMAC	SR600															NATURAL GAS			
Correctional and Detention Services	0771400	Manawatu Prison	TAYMAC	SR600															NATURAL GAS			
Correctional and Detention Services	0771400	Manawatu Prison	TAYMAC	SR600															NATURAL GAS			

Correctional and Detention Services	0771400	Mount Eden Prison	TAYMACH (BURNER: WEISHAUPT)	SR 1200 (BURNER: G8/1D)																NATURAL GAS					
Correctional and Detention Services	0771400	Mount Eden Prison	TAYMACH (BURNER: WEISHAUPT)	SR 1200 (BURNER: G8/1D)																NATURAL GAS					
Correctional and Detention Services	0771400	New Plymouth Prison	HOVAL	HOTLINE 250																NATURAL GAS					
Correctional and Detention Services	0771400	New Plymouth Prison	AQUATHER M	A2 40																NATURAL GAS					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	YGNIS	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	YGNIS	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	YGNIS	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	YGNIS	C30																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	AQUATHER M	EM125																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	AQUATHER M	EM125																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	AQUATHER M	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	AQUATHER M	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	YGNIS	C30																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	Unknown	Unknown																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	YGNIS	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	YGNIS	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	BONGIOANI	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	BONGIOANI	EM250																LPG					
Correctional and Detention Services	0771400	Northland Regional Corrections Facility	BONGIOANI	C30																LPG					
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON75																LPG					

Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN BW	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN BW	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN BW	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN BW	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN BW	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN BW	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN BW	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON 75. ALL THE SAME															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON 75. ALL THE SAME															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MAN	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MNG	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MNG	GWB75H															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility	MNG	GWB75H															LPG				

Correctional and Detention Services	0771400	Otago Corrections Facility		MNG	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		MAN BW	PROCON 75														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		MAN	PROCON 75														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		MAN BW	PROCON 75														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		MHG	PROCON75														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		MHG	PROCON75														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		MHG	PROCON75														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		MHG	PROCON75														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		MHG	PROCON75														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H														LPG			

Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility		PROCON 75	GWB75H															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility		MAN	PROCON 75															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility		MAN	PROCON 75KW															LPG				
Correctional and Detention Services	0771400	Otago Corrections Facility		MAN	PROCON															LPG				
Correctional and Detention Services	0771400	Rimutaka Prison		MHG	PROCON 45															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		MHG	SAME															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		MHG	SAME															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		PROCON	SAME															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		PROCON	SAME															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		PROCON	SAME															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		EPI	MHG PROCON 45															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	MHG PROCON 45															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	MHG PROCON 45															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	MHG PROCON 45															NATURAL GAS				
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	MHG PROCON 45															NATURAL GAS				

Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	RHEEM													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	PTL 550													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	BO347NCO													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	BO347NCO													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	PTL 220													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		RHEEM	PTL 220													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ENERGY PRODUCTS INT	YGNIS													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ENERGY PRODUCTS INT	YGNIS													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ENERGY PRODUCTS INT	YGNIS													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ENERGY PRODUCTS INT	YGNIS													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ENERGY PRODUCTS INT	YGNIS													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ENERGY PRODUCTS INT	YGNIS													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ENERGY PRODUCTS INT	YGNIS													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55													NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55													NATURAL GAS			

Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	KESTON.C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		KESTON	C55															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ECO HEATING SYSTEMS UK	CH AMBASSOR A80															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ECO HEATING SYSTEMS UK	CH AMBASSOR A80															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ECO HEATING SYSTEMS UK	CH AMBASSOR A80															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		ECO HEATING SYSTEMS UK	CH AMBASSOR A80															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		AQUATHER M	A240															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		CARBOFUEL	PTL 220															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		CARBOFUEL	PTL 220															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		CARBOFUEL	PTL 220															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		AQUATHER M	AY250															NATURAL GAS			

Correctional and Detention Services	0771400	Rimutaka Prison		AQUATHER M	PTL 220															NATURAL GAS			
Correctional and Detention Services	0771400	Rimutaka Prison		AQUATHER M	PTL 220															NATURAL GAS			
Correctional and Detention Services	0771400	Rolleston Prison		YGNIS	HW250															DIESEL			
Correctional and Detention Services	0771400	Rolleston Prison		HOVAL	SR900															DIESEL			
Correctional and Detention Services	0771400	Rolleston Prison		YGNIS	AY 100															DIESEL			
Correctional and Detention Services	0771400	Rolleston Prison		YGNIS	AY 250															DIESEL			
Correctional and Detention Services	0771400	Rolleston Prison		YGNIS	AY 250															DIESEL			
Correctional and Detention Services	0771400	Rolleston Prison		YGNIS	AY 125															DIESEL			
Correctional and Detention Services	0771400	Rolleston Prison		YGNIS	AY 125															DIESEL			
Correctional and Detention Services	0771400	Rolleston Prison		YGNIS	AY 250															DIESEL			
Correctional and Detention Services	0771400	Rolleston Prison		YGNIS	AY 175															DIESEL			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30															LPG			

Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30				0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDMAX	R30				0.045											LPG			

Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	ACV	TYPE HR 601														LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	ACV	TYPE HR 601														LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	ACV	TYPE HR 601														LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	ACV	TYPE HR 601														LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	ACV	TYPE HR 601														LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	TYPE HR 601														LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	TYPE HR 601														LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility	RENDAMAX	R30			0.045											LPG			

Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30				0.045										LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30				0.045										LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30				0.045										LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30				0.045										LPG			
Correctional and Detention Services	0771400	Spring Hill Corrections Facility		RENDAMAX	R30				0.045										LPG			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		KESTON	C55														LPG			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		KESTON	C55														LPG			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		KESTON	C55														LPG			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		KESTON	C55														LPG			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		KESTON	C55														LPG			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		KESTON	C55														LPG			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		ENERGY PRODUCTS INTERNATIONAL	C55														NATURAL GAS			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		HOVEL	C55														DIESEL			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		HDG BAVARIA	HDG COMPACT 200														Wood-Chip / Pellet Boiler			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		AQUATHERM	WF800														Wood-Chip / Pellet Boiler			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		BEESTON ROBIN HOOD	C55														Wood-Chip / Pellet Boiler			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		BEESTON ROBIN HOOD	C55														Wood-Chip / Pellet Boiler			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		AQUATHERM	WF300														Wood-Chip / Pellet Boiler			
Correctional and Detention Services	0771400	Tongariro/Rangipo Prison		AQUATHERM	C55														Wood-Chip / Pellet Boiler			
Correctional and Detention Services	0771400	Waikeria Prison		YGNIS	AY250														NATURAL GAS			

Correctional and Detention Services	0771400	Waikeria Prison		IMMERGAS	NIKE MAIOR														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		HOVAL	SR 1300														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		AQUAHEAT (RIELLO BURNER)	BURNER: 556														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		MAN	REGENCY														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		SANGIORGIO	REGENCY														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		SANGIORGIO	REGENCY														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		YGNIS	AY250														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		YGNIS	AY250														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		YGNIS	AY250														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		YGNIS	AY250														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		YGNIS	AY250														NATURAL GAS				
Correctional and Detention Services	0771400	Waikeria Prison		REGENCY	AY250														NATURAL GAS				
Correctional and Detention Services	0771400	Wanganui Prison		C E	EURO BON GAS														NATURAL GAS				
Correctional and Detention Services	0771400	Wanganui Prison		YGNIS	EM600						0.6								NATURAL GAS				
Correctional and Detention Services	0771400	Wanganui Prison		YGNIS	EM600						0.6								NATURAL GAS				
Correctional and Detention Services	0771400	Wanganui Prison		YGNIS	EM600						0.6								NATURAL GAS				
Correctional and Detention Services	0771400	Wanganui Prison		MEGALUX	EM600						0.6								NATURAL GAS				
Correctional and Detention Services	0771400	Wanganui Prison		MEGALUX	EM600						0.6								NATURAL GAS				
Correctional and Detention Services	0771400	Wanganui Prison		AQUATHERM	A215														NATURAL GAS				
Correctional and Detention Services	0771400	Wanganui Prison		ACV	HR601														NATURAL GAS				

Correctional and Detention Services	0771400	Wanganui Prison		ECOFLAM	HR601															NATURAL GAS			
Correctional and Detention Services	0771400	Wanganui Prison		ECOFLAM	HR601															NATURAL GAS			
Correctional and Detention Services	0771400	Wanganui Prison		FERROLI	HR601															NATURAL GAS			
Correctional and Detention Services	0771400	Wanganui Prison		PROCON 75	PROCON 75															NATURAL GAS			
Correctional and Detention Services	0771400	Wanganui Prison		MAN HEIZTECHNIK	PROCON 75															NATURAL GAS			
Correctional and Detention Services	0771400	Wanganui Prison		MAN HEIZTECHNIK	PROCON 75															NATURAL GAS			
Correctional and Detention Services	0771400	Wanganui Prison		MHG	PROCON 75															NATURAL GAS			
Correctional and Detention Services	0771400	Wanganui Prison		MHG	PROCON 75															NATURAL GAS			
Correctional and Detention Services	0771400	Wanganui Prison		AQUATHERM YGNIS	AY 240															NATURAL GAS			
Correctional and Detention Services	0771400	Wellington Prison		AQUATHERM YGNIS	AY500															Natural Gas			

Local Governm	O7530	Gore District Council	Civic Avenue, Gore	Radoo		0.45	Hot Water	450Kw			no		diesel		
Local Governm	O7530	Gore District Council	James Cummings Wing Civic Av	BT 40		0.47	Hot Water	474Kw			no		diesel		
Local Governm	R911300	Gore District Council	Mataura Pool		2010	0.40	Hot Water	400Kw		0.78	no		lignite		
Local Governm	R911300	Gore District Council	Gore Pool Olympic Pool Complex; Centennial			electric	2003	0.40	Hot Water	400Kw		no	electricity		
Local Governm	R911300	Gisborne District Council	Marine Drive, KOB Pyrot 400		2010	0.40	Hot Water	400 kW	12	365	No		85 Shavings	2500t	Tonnes
Local Governm	O7530	Hurunui District Council	buildings - Amberley	NO BOILER									electric ducted heating and heat pumps		
Local Governm	R911300	Hurunui District Council	2 swimming pools	NO BOILER									unheated		
Local Governm	J601000	Kaikoura District Council	buildings and library	NO BOILER									electric heating		
Local Governm	R911300	Kaikoura District Council	swimming pool	YGNIS		0.12				120	Yes		Diesel	3000?	litres
Local Governm	O7530	Mackenzie District Council	buildings	NO BOILER									Electric		
Local Governm	R911300	Mackenzie District Council	swimming pools	NO BOILER									Solar		
Local Governm	O7530	Marlborough District Council	buildings	NO BOILER									Electric		
Local Governm	R911300	Marlborough District Council	Stadium Trust swimming pool			0.4							Diesel		
Local Governm	R911300	Marlborough District Council	Stadium Trust swimming pool			0.4							Diesel		
Local Governm	O7530	Marlborough District Council	Kinross Street, Blenheim	Northvale by cooke Industries	2010	0.43	Heated Oil	430kw					Diesel		Litres
Local Governm	O7530	Marlborough District Council	Kinross Street, Blenheim	Northvale by cooke Industries	2010	0.43	Heated Oil	430kw	*				Diesel		Litres
Local Governm	O7530	Masterton District Council	main bulding	Aquatherm AY125	Diesel boiler	0.125	HW		9	180	Yes		Diesel	13000?	litres
Local Governm	J601000	Masterton District Council	library	NO BOILER									electric heating		
Local Governm	O7530	Masterton District Council	Genesis Energy Recreation Centre, Dixon Street, Civic Building, Chapel Street, Masterton Civic Building, Chapel Street, Masterton	NO BOILER							no		electricity		kWh
Local Governm	O7530	Queenstown Lakes District	buildings/library										Diesel	2500?	litres
Local Governm	O7530	Lakes Leisure	Queenstown										Diesel		
Local Governm	O7530	Selwyn District Council	Rakaia and Rolleston	NO BOILER									heat pump		
Local Governm	O7530	Selwyn District Council	Rolleston community centre			0.05?							Diesel		
Local Governm	O7530	Timaru District Council			2010	0.2							Wood Chip		
Local Governm	O7530	Timaru District Council			2010	0.2							Wood Chip		
Local Governm	O7530	Timaru District Council	main building										Heat Pump		
Local Governm	J601000	Timaru District Council	library	NO BOILER	1979	0.14	HW						Electric		
Local Governm	R900300	Timaru District Council	Theatre Royal										Diesel		
Local Governm	O7530	Timaru District Council	Geraldine service cen	NO BOILER									heat pump		
Local Governm	O7530	Timaru District Council	Temuka service centn	NO BOILER									heat pump		
Local Governm	O7530	Invercargill City Council			2010	0.185							Wood Chip		
Local Governm	O7530	Waimakariri DC	building	NO BOILER									electric HVAC		
Local Governm	J601000	Waimakariri DC	library		1996								Diesel		
Local Governm	J601000	Waimakariri DC	library										Rebuilding by end 2012		
Local Governm	O7530	Waimate DC	main building + info o	NO BOILER									Heat pumps		
Local Governm	R911300	Waimate DC	swimming pool	Waimate Canterbury	1998	0.3			180		Summer		Coal	20?	tonnes
Local Governm	O7530	Waitaki DC	main building	NO BOILER									Heat pumps + wall heaters		
Local Governm	J601000	Waitaki DC	Library/Museum	NO BOILER									Electric		
Local Governm	O7530	Bay of Plenty Regional Council	main building and serv	NO BOILER									Heat pumps		
Local Governm	O7530	Far North District Council	service centres	NO BOILER									Heat pumps		
Local Governm	R911300	Far North District Council	Kawakawa Swimmin	NO BOILER									Heat pump for water heating		
Local Governm	R911300	Gisborne District Council	swimming pool	Kurb	2010	0.4							Wood chip		
Local Governm	O7530	Greater Wellington Regional Council	building	NO BOILER									HVAC		
Local Governm	O7530	Hamilton City Council	central building, library	NO BOILER									HVAC		
Local Governm	O7530	Hutt City Council	main building		1960								gas		
Local Governm	O7530	Hutt City Council	main building		1960								gas		
Local Governm	O7530	Hutt City Council	main building		1985								gas		
Local Governm	O7530	Hutt City Council	main building		1985								gas		
Local Governm	R900300	Hutt City Council	Library/Little Theatre		2000								gas		
Local Governm	O7530	Hutt City Council	Horticultural Hall		1980								gas		
Local Governm	J601000	Hutt City Council	Wainui, Petone, Eastbourne, Naenae libraries										electric heating		
Local Governm	J601000	Hutt City Council	Silverstream landfill										? Gas engines		
Local Governm	D281200	Kapiti Coast District Council	Waste Water		2008		dryn biosolids						Wood chip boiler		
Local Governm	O7530	New Plymouth DC	main building	YGNIS	1990		HW						Gas	1940 GJ	
Local Governm	R911300	Palmerston North CC	Lido Aquatic Centre		2010								Wood chip		

Local Government	Palmerston North CC	landfill	Energen	2006	0.85								Gas engine	
Local Governm D281200	Palmerston North CC	waste treatment	Energen	2010	0.75								Gas engine	
Local Governm O7530	Porirua CC main	building		1965									Gas	1400 GJ
Local Governm J601000	Porirua CC	Library/Museum		1980									Gas	310 GJ
Local Governm R911300	Porirua CC	main swimming pool		2004	0.4								Gas	13200 GJ
Local Governm R911300	Porirua CC	main swimming pool		2004	0.4								Gas	13200 GJ
Local Governm R911300	Porirua CCl	Cannons Creek swimming poo		2001	0.3								Gas	2200 GJ
Local Governm O7530	Tauranga City Council	buildings	NO BOILER										electric heating	
Local Governm D281200	Tauranga City Council	wastewater treatment	Energy Product Aquatherm YGNIS AY500	2009	0.5								boiler for sewage sludge heat exchanger	
Local Governm R911300	Tauranga City Council	4 swimming pools privately contracted											Diesel	
Local Governm O7530	Thames Coromandel District Council	515 Mackay St Thames		2009	0.2								Wood chip	
Local Governm O7530	Wangamui DC	main building											gas	
Local Governm J601000	Wangamui DC	old library											gas	
Local Governm J601000	Wangamui DC	new library											under floor heating	
Local Governm R8910	Wangamui DC	Art Gallery											electric	
Local Governm O7540	Wangamui DC	Wakefield Chambers	Robin Hood										gas	
Local Governm R911300	Wangamui DC	Aquatic Centre											gas + electric	
Local Governm O7530	Wellington CC	Municipal building		1992									gas	
Local Governm O7530	Wellington CC	Town Hall		1992									gas	
Local Governm R8910	Wellington CC	Art Gallery		1985	0.4								gas	
Local Governm O7530	Wellington CC	Citizens Advice Bureau		1992									gas	
Local Governm J601000	Wellington CC	Main Library		1992									gas	
Local Governm O7530	Wellington CC	~50 service centres											combination underfloor HW + fan coils for air heating	
Local Governm R911300	Whakatane DC	Aquatic Centre outdoor Aquatherm Ygnis		1995	0.3								HW	
Local Governm R911300	Takapuna Aquatic Centre	Takapuna Auckland	ICI Caldaire	2009	0.4								Gas	2010 GJ
Local Governm R911300	Takapuna Aquatic Centre	Takapuna Auckland	Rex 40F		0.045								Gas	1750 GJ
Local Governm R911300	Takapuna Aquatic Centre	Takapuna Auckland	Hurkon	2004	0.109								Gas	
Local Governm R911100	Glenfield Leisure Centre	9 Bentley Ave, Glenfi Hurkon	HB 500		0.08								Gas	1770 GJ
Local Governm R911100	Glenfield Leisure Centre	9 Bentley Ave, Glenfi Hurkon			0.08								Gas	1770 GJ
Local Governm R911100	Glenfield Leisure Centre	9 Bentley Ave, Glenfi Hurkon			0.08								Gas	1770 GJ
Local Governm R911100	Birkenhead Leisure Centre	Mahara Avenue Chats ICI Caldaire	Rex 25F	2009	0.115								Gas	2900 GJ
Local Governm R911100	Birkenhead Leisure Centre	Mahara Avenue Chats ICI Caldaire	Rex 25F	2009	0.115								Gas	
Local Governm R911100	Birkenhead Leisure Centre	Mahara Avenue Chats Rendermax		2010	0.045								Gas	
Local Governm J601000	Takapuna Library	Takapuna Auckland											Gas	
Local Governm R911300	Glen Innes Pool	122 Elstree Ave Glen	YGNIS	2003	0.75								Gas	
Local Governm R911300	Olympic Pool	77 Broadway Newma	Carbofuel	1995	0.66								Gas	
Local Governm R911300	Onehunga Pool	Jellicoe Park	YGNIS		0.6								Gas	
Local Governm R911300	Onehunga Pool Jellicoe Park	Jellicoe Park	YGNIS		0.175								Gas	
Local Governm R911300	Parnell Baths	Judges Bay Rd Auckl	Aquatherm Ygn AY800		0.8								Gas	
Local Governm R911300	West Wave Aquatic Centre	Waiemata Auckland											Gas	
Local Governm R911300	Stanmore Bay Aquatic Centre												Heat pumps	
Local Governm R911100	Lloyd Elsmore Leisure Cent	Auckland South		2009									Gas	10150 GJ
Local Governm R911100	Moana Kiwa Leisure Centre	Auckland South											Gas	7400 GJ
Local Governm R911100	Manurewa Leisure Centre	Auckland South			1.2								Gas	6300 GJ
Local Governm R911100	Norman Kirk Leisure Centre	Auckland South											Gas	5000? GJ
Local Governm R911100	Papatoetoe Central Leisure C	Auckland South											Gas	10000? GJ
Local Governm O7540	Ministry of Justice	200 Bridge St Nelson											Diesel	tonnes
Local Governm O7540	Nelson Police Station	St Johns St Nelson											Diesel	tonnes
Local Government	Work and Income New Zealand	22 Bridge St Nelson											Diesel	tonnes
Local Governm R911300	Ngawhatu Swimming Pool	Ngawhatu Rd Nelson				No							Coal	tonnes
Local Governm O7530	Regional Council													
Local Governm O7530	Taranua District Council	Thames Centennial Pool, 105 Mackay Street, Thames	Hargassner	200	Firetube	2010	0.20	Hot Water	second heat cu ~150kW (not measured in gre depends on temperature in t no	65 to 80			Hog fuel / v 200 - 250	Tonnes
Local Governm O7530	New Plymouth District Council	No Boiler Boiler House,												
Local Governm O7530	Hawkes Bay District Health Board	Omahu Rd, Hastings (Backup not Boiler House -	Scott	M/No 149140 S	Fire tube	2000	steam	1820 Kg/hr, 1, 1035 KPA	1.2		no		Natural gas	Litres
Local Governm O7530	Hawkes Bay District Health Board	Omahu Rd, Hastings (Backup not	Ygnis, Aquather	EM2300 S/No	Fire tube	1999	2.3	Hot water	2300 KPA	2.3	no		Natural gas	Litres
Local Governm O7530	Hawkes Bay District Health Board	MHU - Omahu Rd, Hastings	Ygnis, Aquather	AY400	Fire tube	1996	0.4	Hot water	400kw		no		Natural gas	Litres
Local Governm O7530	Hawkes Bay District Health Board	Cahmore - Omahu Rd, Hastings	Ygnis, Aquather	AY600	Fire tube	1996	0.6	Hot water	600kw		no		Natural gas	Litres

Local Governm O7530	Hawkes Bay District Health Board	Tutorial - Omahu Rd, Hastings	Pensotti Taymac	G2n./90	Fire tube	1996	1.50	0.1	Hot water Hot water	100kw	no	Natural gas	Litres	
Local Governm O7530	Invercargill city council										4.8	70 lignite		
Local Government														
Local Governm O7530	Environment Southland	Cnr North Road & Price Street, Invercargill	Beecroft-Beacon Maxi			1980	0.3					coal	40 Tonnes	
Local Governm O7530	Palmerston North City Council	City Administration Building	Hoval	386kW	LTHW			0.386	LTHW	Street main pressure	Yes	Gas		
Local Governm O7530	Palmerston North City Council	City Administration Building	Hoval	386kW	LTHW			0.386	LTHW	Street main pressure	Yes	Gas		
Local Governm J601000	Palmerston North City Council	City Library	Aquatherm	EM600	LTHW	1995	0.600	LTHW		Street main pressure	180	Yes	Gas	
Local Governm R911300	Palmerston North City Council	Lido Aquatic Centre	Aquatherm	390kW	LTHW			0.390	LTHW	Street main pressure		No	Gas	
Local Governm R911300	Palmerston North City Council	Lido Aquatic Centre	Hoval	600kW	LTHW			0.600	LTHW	Street main pressure		No	Gas	
Local Governm R911300	Palmerston North City Council	Freyberg Community Pool	Aquatherm	390kW	LTHW			0.390	LTHW	Street main pressure		No	Gas	
Local Governm D281200	Palmerston North City Council	Wastewater Treatment Plant	Aquatherm	400kW	LTHW			0.4	LTHW	Street main pressure		No	Gas	
Local Government	Palmerston North City Council	Works Depot Nursery	Aquatherm		60 LTHW			0.06	LTHW	Street main pressure	Yes	Gas		
Local Government	Pamerston North City Council	Awapuni Landfill Tip Rd Palmerston North				2006						Landfill gas		
Local Government	Otago Regional Council	Stafford Street Dunedin												
Local Governm O7530	Art Gallery	The Octagon Dunedin						2				piped gas	12000?	cubic metres
Local Governm R8910					Gas boiler			0.5				piped gas	150000?	cubic metres

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
		Dairy Processing																				
Dairy Processing		Aroha Organic Goat Cheese	Te Aroha																			
Dairy Processing	C113300	Ayyildiz Ltd	Manakau																			
Dairy Processing	C113300	BARRYS BAY CHEESE	BARRYS BAY CHEESE	SCOTT		Firetube	1973	1.3	Saturated Steam		9.4				3.744				180	Oil/Diesel		
Dairy Processing		Blue River Dairy Products	Invercargill																			
Dairy Processing	C113300	Brunswick Cheese	Wanganui																			
Dairy Processing	C113300	Cilantro Cheese	Hamilton																			
Dairy Processing		Clevedon Valley Buffalo	Auckland																			
Dairy Processing		Cloudy Mountain	Te Awamutu																			
Dairy Processing		CONTACT ENERGY	TE RAPA	FOSTER WHEELER (MCKENZIE)		Waterwall	1998	52	Superheated Steam	180	42								287	Gas		
Dairy Processing		CONTACT ENERGY	TE RAPA			Waterwall	1998	146												Gas		
Dairy Processing		Crescent Dairy Goats	Kemue																			
Dairy Processing	C113300	DAIRY GOAT CO-OPERATIVE LTD	DAIRY GOAT CO-OPERATIVE LTD	EASTEEL - STEAMPAC			2004	3.6	Steam	5.74	10.5				30.8448				100	Gas		
Dairy Processing	C113300	DAIRY GOAT CO-OPERATIVE LTD	DAIRY GOAT CO-OPERATIVE LTD	EASTEEL		Direct fired heater		1												Gas		
Dairy Processing	C113200	DEEP SOUTH ICE CREAM	Christchurch	SCOTT			1983	0.42	Saturated Steam	0.54	10				0.63					Oil/Diesel		
Dairy Processing	C113200	DEEP SOUTH ICE CREAM	invercargill																			
Dairy Processing		Emilo Festa	Christchurch																			
Dairy Processing	C113300	Evansdale Cheese	Waikouaiti																			
Dairy Processing		CONTACT ENERGY	TE RAPA	FOSTER WHEELER (MCKENZIE)		Waterwall	1998	52	Superheated	180	42								287	Gas		
Dairy Processing		CONTACT ENERGY	TE RAPA			Waterwall	1998	146												Gas		
Dairy Processing		Contact Energy Ltd	TE RAPA					57	Saturated St	60	42									410	Gas	
Dairy Processing		KAPUNI ENERGY	KAPUNI	FOSTER WHEELER (MCKENZIE)			1970	16.6	Superheated	20	30									300	Gas	
Dairy Processing		KAPUNI ENERGY	KAPUNI				1998	15.4		18.5	30				102.144					300	Gas	
Dairy Processing		Bay of Plenty Energy	EDGE CUMBE	MAXITHERM		Watertube	1996	16	Saturated St	25	17									205	Gas	

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Dairy Processing	Bay of Plenty Energy	EDGEKUMBE	EASTEEL Senior Engineering Australia	Watertube	1993	10 Saturated St	15	17		205 Gas
Dairy Processing	Bay of Plenty Energy	EDGEKUMBE	Senior Engineering Australia		1996	25 Saturated St	23	17		205 Gas
Dairy Processing	Bay of Plenty Energy	EDGEKUMBE	Senior Engineering Australia Urquhart		1996	25	23	17		205 Gas
Dairy Processing	Fonterra	Edgecumbe	Engineering Sydney Aust.	Air heater		5.6 Heated air				Gas
Dairy Processing	Fonterra	BRIGHTWATER	MAXITHERM	Watertube	1987	7 Saturated St	11.6	10		Coal
Dairy Processing	Fonterra	CLANDEBOYE	BABCOCK & WILCOX	Watertube	2004	40.8 Saturated Steam		35		Coal
Dairy Processing	Fonterra	CLANDEBOYE	BABCOCK & WILCOX	Watertube	2004	40.8 Saturated Steam		35		Coal
Dairy Processing	Fonterra	CLANDEBOYE	BABCOCK & WILCOX	Watertube	1997	20 Saturated Steam		35		Coal
Dairy Processing	Fonterra	CLANDEBOYE	BABCOCK & WILCOX FOSTER WHEELER (MCKENZIE)	Watertube	1997	20 Saturated Steam		35		Coal
Dairy Processing	Fonterra	CLANDEBOYE	FOSTER WHEELER (MCKENZIE)	Watertube	2001	33 Saturated Steam		35		Coal
Dairy Processing	Fonterra	EDENDALE	JOHN THOMPSON ELECTRO KESSELL	Watertube	1994	32 Superheated Steam		60	182.784	420 Lignite
Dairy Processing	Fonterra	EDENDALE	COWEN	Watertube	1996	32 Saturated Steam		60	188.16	420 Lignite
Dairy Processing	Fonterra	EDENDALE	JOHN THOMPSON	Watertube	2003	35 Saturated Steam		42	205.8	Lignite
Dairy Processing	Fonterra	Edendale	Babcock Tower Pack	Water tube	2009	38 Saturated St	58	42		Lignite
Dairy Processing	Fonterra	HAUTAPU	JOHN THOMPSON	Firetube	1978	5.1 Saturated steam		10		Coal
Dairy Processing	Fonterra	HAUTAPU	JOHN THOMPSON FOSTER WHEELER (MCKENZIE)	Firetube	1974	5.1 Saturated steam		10		Coal
Dairy Processing	Fonterra	HAUTAPU	FOSTER WHEELER (MCKENZIE)	Watertube	1974	10.2 Saturated steam		10		Gas
Dairy Processing	Fonterra	Hautapu	Hoval			3 Hot water				Gas
Dairy Processing	Fonterra	Hautapu	Hoval			3 Hot water				Gas
Dairy Processing	Fonterra	Hautapu	Hoval			3 Hot water				Gas
Dairy Processing	Fonterra	Hautapu	Hoval Air heaters for sil drying plant - no details			Heated air				Gas
Dairy Processing	Fonterra	Innovation	Foster Wheeler	Water tube		4.5 Saturated Steam		10		Gas
Dairy Processing	Fonterra					Saturated St	1.8	9		Gas
Dairy Processing	Fonterra	KAIKOURA	SCOTT	Watertube	1969	2.8 Saturated St	3.6	8.3		180 Oil/Diesel
Dairy Processing	Fonterra	Kapuni	Aquatherm	Hot water		0.95 Hot water				Gas
Dairy Processing	Fonterra	Kauri	Easteel		About 1989	7 Saturated steam		11		Gas
Dairy Processing	Fonterra	Kauri	Easteel		about 1992-9'	7 Saturated steam		11		Gas
Dairy Processing	Fonterra	Kauri	Easteel		2002	10 Saturated steam		11		Gas

Dairy Processing	Fonterra	Kauri	Easteel	Hot water	2000	10	Hot water			Gas
Dairy Processing	Fonterra	Kauri	Easteel	Hot water	2000	10	Hot water			Gas
Dairy Processing	Fonterra	Kauri	Konus Kessel	Air Heater	about 1989	10	Heated air		NA	Gas
Dairy Processing	Fonterra	Kauri	Easteel	Air Heater	About 1998	10	Heated air		NA	Gas
Dairy Processing	Fonterra	Longburn		Water tube	1980	17.5	Saturated st	23	10	Gas
Dairy Processing	Fonterra	LONGBURN CASEI	ANDERSON	Water tube	1980	10.5	Saturated st	14	10	Gas
Dairy Processing	Fonterra	Maungaturoto	John Thompson	Fire tube	1986	10	Saturated steam		10.5	Gas
Dairy Processing	Fonterra	Maungaturoto	Daniel Adamson	Fire tube	1950's	6	Saturated steam		10.5	Gas
Dairy Processing	Fonterra	Maungaturoto	Foster Wheeler	Water tube	Mid 1960s	6.5	Saturated steam		10.5	Gas
Dairy Processing	Fonterra	Maungaturoto	Garbutt	Air heater		3.4	Heated air		NA	Gas
Dairy Processing	Fonterra	Maungaturoto	Niro	Air heater			Heated air		NA	Gas
Dairy Processing	Fonterra	Maungaturoto	Niro	Air heater			Heated air		NA	Gas
Dairy Processing	Fonterra	Maungaturoto	?	Air heater			Heated air		NA	Gas
Dairy Processing	Fonterra	Lichfield	Easteel	Steam boiler		9.5	Saturated steam			
Dairy Processing	Fonterra	Lichfield	Mc Kenzie & Ridley LTD	Hot water	1996	9	Hot water			
Dairy Processing	Fonterra	Lichfield	Mc Kenzie & Ridley LTD	Hot water	1996	9	Hot water			
Dairy Processing	Fonterra	Lichfield	Easteel	Hot water	1996	11	Hot water			
Dairy Processing	Fonterra	MORRINSVILLE	BABCOCK & WILCOX	Fire tube	1970	6.8	Saturated St	10.82	11.5	190 Gas
Dairy Processing	Fonterra	MORRINSVILLE	BABCOCK & WILCOX	Fire tube	1970	4.9	Saturated St	7.87	11.5	190 Gas
Dairy Processing	Fonterra	MORRINSVILLE	Babcock	Fire tube	1980	6.3	Saturated St	10.06	11	180 Gas
Dairy Processing	Fonterra	Morrinsville	Niro	Air heater		5.815	Heated air			Gas
Dairy Processing	Fonterra	Morrinsville	Easteel	Air heater		6.1	Heated air			Gas
Dairy Processing	Fonterra	PAHIATUA	ANDERSON	Watertube	1977	7.7	Saturated St	9.98	10	Gas
Dairy Processing	Fonterra	PAHIATUA	ANDERSON	Watertube	1977	7.7	Saturated St	9.98	10	Gas
Dairy Processing	Fonterra	PAHIATUA	Easteel	Air heater	2003	3.5	Heated air			Gas
Dairy Processing	Fonterra	PAHIATUA		Air heater	1991		Thermal oil/Heated air			98 Gas
Dairy Processing	Fonterra	PAHIATUA		Hot water	1991		Heated water			280 Gas
Dairy Processing	Fonterra	Plains - Chch		Air heater		3.5	Heated air			LFO

Dairy Processing	Fonterra	Reporoa	McKenzie Ridley Foster Wheeler McKenzie			9.5	Saturated St	15.2	14.5		Gas
Dairy Processing	Fonterra	Reporoa	McKenzie Ridley Foster Wheeler Gustav Shafer indirect steam generator			10.3	Saturated St	16.5	19.86		Gas
Dairy Processing	Fonterra	Reporoa				6.3	Saturated St	10.0	17.9		Gas
Dairy Processing	Fonterra	Reporoa		Air heater			Heated air				Gas
Dairy Processing	Fonterra	Stirling	Easteel FOSTER WHEELER (MCKENZIE)	Watertube	2001	11	Saturated Steam		10		180 Lignite
Dairy Processing	Fonterra	TAKAKA	MAXITHERM	Watertube	1986	8	Saturated St	12.76	10.6		187 Coal chips/fines
Dairy Processing	Fonterra	Takaka	Easteel	Air heater	1994	?	Heated air				Coal chips/fines
Dairy Processing	Fonterra	Takanini	SteamPac	1 Firetube			Saturated St	4.5			Gas
Dairy Processing	Fonterra	Takanini	SteamPac	2 Firetube			Saturated St	4.5			Gas
Dairy Processing	Fonterra	Takanini	Allen Ygnis	Hot water		3.0	Heated water				Gas
Dairy Processing	Fonterra	Takanini	Allen Ygnis	Hot water		4.0	Heated water				Gas
Dairy Processing	Fonterra	TE AWAMUTU	Easteel	Watertube	2004	43	Superheated	54	42		405 Coal
Dairy Processing	Fonterra	Te awamutu	Easteel	Water tube	2007	39	Superheated	49	42		405 Gas
Dairy Processing	Fonterra	Te awamutu	Anderson	Fire tube		7.1	Saturated st	11	10		Gas
Dairy Processing	Fonterra	Te awamutu	Anderson	Fire tube		7.0	Saturated st	9	10		Gas
Dairy Processing	Fonterra	Te awamutu	Cable Price	Fire tube		4.3	Saturated st	7	10		Gas
Dairy Processing	Fonterra	TIRAU	John thompson	Waterwall	1974	20.8	Saturated St	31	12.5		Gas
Dairy Processing	Fonterra	TIRAU	Foster Wheeler		1981	13	Saturated St	17	12.5		Gas
Dairy Processing	Fonterra	Tirau	Pillet	Air heater	1985	2.3	Heated air				
Dairy Processing	Fonterra	Tirau	Alteenberger	Air heater	1994	1.8	Heated air				
Dairy Processing	Fonterra	Waitoa	John Thompson. Foster/ Wheeler/Macke nzie Ridley Ekro Kessel /	Watertube		13.8	Superheated	22	10		236 Coal
Dairy Processing	Fonterra	Waitoa	John Thompson	Watertube		23.8	Superheated	38	30		300 Coal
Dairy Processing	Fonterra	Waitoa	John Thompson	Watertube		23.8	Superheated	38	30		300 Coal
Dairy Processing	Fonterra	WHAREROA	JOHN THOMPSON	Watertube	1993	20	Saturated St	25	36		Gas
Dairy Processing	Fonterra	WHAREROA	JOHN THOMPSON	Watertube	1996	56	Superheated	50	42		435 Gas
Dairy Processing	Fonterra	WHAREROA	JOHN THOMPSON	Watertube	1996	56	Superheated	50	42		435 Gas
Dairy Processing	Fonterra	WHAREROA	IST		1997	38	Superheated	30	42		420 Gas
Dairy Processing	Fonterra	WHAREROA	IST		1997	40	Superheated	30	42		420 Gas

Dairy Processing	Fonterra	WHAREROA		Air heater		Heated air													Gas
Dairy Processing	Fonterra	Whareroa	Easteel	Air heater		Heated air													
Dairy Processing	Fonterra	Whareroa		Air heater		Heated air													
Dairy Processing	Fonterra	ELTHAM Collingwoe	SCOTT		1994	2.8 Saturated St	3.6	9											180 Gas
Dairy Processing	Fonterra	ELTHAM Collingwoe	HOVAL		1997	1 Hot Water	3.6	9											55 Gas
Dairy Processing	Fonterra	ELTHAM Bridge St	BABCOCK & WILCOX	Firetube	1976	2.46 Saturated St	3.18	10.3											Gas
Dairy Processing	Fonterra	ELTHAM Bridge St	ANDERSON	Firetube	1962	2.28 Saturated St	2.95	10.34											Gas
Dairy Processing	C113300	Gibston Valley Cheese Co.																	
Dairy Processing	C113300	GOODMAN FIELDER	BLENHEIM RD	MAXITHERM		Watertube	1996	8 Saturated Steam	20										69.888 Oil/Diesel
Dairy Processing	C113300	GOODMAN FIELDER	BLENHEIM RD	MAXITHERM		Watertube	1996	6 Saturated Steam	20										52.416 Oil/Diesel
Dairy Processing	C113300	GOODMAN FIELDER	BLENHEIM RD	SCOTT		Firetube	1970	1.4 Saturated Steam	1.81	8									Oil/Diesel
Dairy Processing	C113300	GOODMAN FIELDER	GOODMAN FIELDER	EASTEEL			1999	4.2 Hot Water	10										36.6912 Gas
Dairy Processing	C113300	GOODMAN FIELDER	GOODMAN FIELDER	SCOTT			1988	1.1 Saturated Steam	8										9.6096 Gas
Dairy Processing	C113300	GOODMAN FIELDER	PALMERSTON				2005	0.16											0.5824 Gas
Dairy Processing	C113300	GREEN VALLEY CHEESE	PALMERSTON					0.6											Oil/Diesel
Dairy Processing	C113300	Grinning Gecko CheeseCo	Whangarei																
Dairy Processing	C113300	Gruff Junction	Christchurch																
Dairy Processing	C113300	HAUTAPU CHEESE	HAUTAPU	JOHN THOMPSON		Firetube	1978	5.1	10										8.9964 Coal
Dairy Processing	C113300	HAUTAPU CHEESE	HAUTAPU	JOHN THOMPSON		Firetube	1974	5.1	10										8.9964 Coal
Dairy Processing	C113300	HAUTAPU CHEESE	HAUTAPU	FOSTER WHEELER (MCKENZIE)		Watertube	1974	10.2	19										Gas
Dairy Processing	C113300	HOHEPA HOMES HAWKES BAY	HOHEPA HOMES HAWKES BAY			Watertube		0.102 Hot Water	0.14										0.14688 96 LPG/Butane
Dairy Processing	C113300	Italian Cheeses	auckland																
Dairy Processing	C113300	KAIMAI CHEESE	KAIMAI CHEESE	Energy Products International			2007	0.4 Hot Water											3.4944 85 LPG/Butane
Dairy Processing	C113300	KAPUNI ENERGY	KAPUNI	FOSTER WHEELER (MCKENZIE)			1970	16.6 Superheated Steam	20	30									300 Gas
Dairy Processing	C113300	KAPUNI ENERGY	KAPUNI				1998	15.4	18.5	30									300 Gas
Dairy Processing	C113300	KARIKAAS CHEESE	KARIKAAS CHEESE				2003	0.08 Hot Water											0.06656 85 Oil/Diesel

Dairy Processing		KAURI CREAM	KAURI CREAM	EASTEEL		1990	7.5 Heated Oil			27.72		260 Gas	
Dairy Processing	C113100	KAURI CREAM	KAURI CREAM	EASTEEL		1992	7.5					260 Gas	
Dairy Processing	C113100	KAURI CREAM	KAURI CREAM	EASTEEL	Firetube	2000	10 Saturated Steam		11	35.28		180 Gas	
Dairy Processing	C113100	KAURI CREAM	KAURI CREAM	EASTEEL		1994	10 Hot Water			35.28		105 Gas	
Dairy Processing	C113100	KAURI CREAM	KAURI CREAM	EASTEEL		2001	10 Hot Water			35.28		105 Gas	
Dairy Processing		Kingsmeade	masterton										
Dairy Processing	C113300	MAHOE FARMHOUSE CHEESE	MAHOE FARMHOUSE CHEESE	HAMILTON		1989	0.05 Hot Water			0.0468		95 Electricity	
Dairy Processing		MAINLAND PRODUCTS	HAMILTON	EASTEEL		2006	1.7 Saturated Steam		10	14.8512		Gas	
Dairy Processing		MAINLAND PRODUCTS	HAMILTON	EASTEEL		2005	1.7 Saturated Steam		10	14.8512		Gas	
Dairy Processing		MAINLAND PRODUCTS	HAMILTON	HOVAL		1986	Hot Water					Gas	
Dairy Processing	C113300	Matatoki Farm Cheese	Korotau										
Dairy Processing	C113300	Mercer Cheese	Tuakau										
Dairy Processing	C113300	Meyer Gouda Cheese	Hamilton										
Dairy Processing	C113300	Mt Eliza Cheese	Tauranga										
Dairy Processing	C113300	Mt Grey Cheese	Rangiora										
Dairy Processing		NATIONAL FOODS	NATIONAL FOODS	ANDERSON	Watertube	1975	1.4 Saturated Steam	1.81	10.3	8.568		Gas	
Dairy Processing		NATIONAL FOODS	NATIONAL FOODS	ANDERSON	Watertube	1975	1.4 Saturated Steam	1.81	10.3			Gas	
Dairy Processing	C113300	Neudorf Cheese Company Ltd	Waharoa										
Dairy Processing		NEW ZEALAND DAIRY FOODS	TOWN MILK FACTORY	BABCOCK	Firetube	1985	3 Hot Water		3			96 Gas	
Dairy Processing		NEW ZEALAND DAIRY FOODS	TOWN MILK FACTORY	EASTON	Firetube		2.4 Hot Water		3			96 Gas	
Dairy Processing		NEW ZEALAND DAIRY FOODS	TOWN MILK FACTORY	JOHN THOMPSON	Firetube	1994	4 Hot Water		8			175 Gas	
Dairy Processing		NEW ZEALAND DAIRY FOODS	TOWN MILK FACTORY	EASTEEL - STEAMPAC	Firetube	2001	4 Steam		8			175 Gas	
Dairy Processing		NEW ZEALAND DAIRY FOODS	COUNTRY FOODS FACTORY	YGNIS	Firetube	1990	4 Hot Water		3			96 Gas	
Dairy Processing		NZ DAIRIES LTD	NZ DAIRIES LTD		Watertube	2007	15 Saturated Steam		30	103.32		Coal	
Dairy Processing		NZ DAIRIES LTD	NZ DAIRIES LTD		Watertube	2007	15 Saturated Steam		30	103.32		Coal	
Dairy Processing	C113300	Over the Moon Dairy	putaruru										
Dairy Processing	C113300	PUHOI VALLEY CHEESE	PUHOI VALLEY CHEESE	AQUATHER M YGNIS	Watertube	1994	0.8 Hot Water		5			95 Oil/Diesel	
Dairy Processing	C113300	PUHOI VALLEY CHEESE	PUHOI VALLEY CHEESE	YGNIS		2006	2.3 Hot Water					98 Oil/Diesel	

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
Education		Abbotsford School	72 North Taieri Road, Abbotsford, Dunedin	CRANE WHITEHALL No.26 SECTIONAL BOILER		Watertube	1952	1	unknown		0.75							75	Coal Ohai Peas			
Education		Aberfeldy School	Parapara Highway, Whangamui																Electricity			
Education		Achorage Park School	16 Swan Crescent, Auckland																Electricity			
Education		Addington School	22 Brougham St., Christchurch	AQUATHER MYGNIS		Watertube	2003	0.75	Hot Water	0.125	5				0.375			75	Oil/Diesel			
Education		Ahiāi	NO BOILER																NB			
Education		Ahuroa School	NO BOILER																NB			
Education		Albany School	NO BOILER				2008												Electricity			
Education		Albany Senior High School	NO BOILER																NB			
Education		Albury School	Station Street, Albury, Canterbury				2000	1.2											Electricity			
Education		Alfredton School	NO BOILER																NB			
Education		Allenton School	110 Harrison Street, Allenton, Canterbury	HOVAL		Waterwall	2005	0.3	Hot Water						0.1575			77	Oil/Diesel			
Education		Allenton School	110 Harrison Street, Allenton, Canterbury				19/04/2000	0.3														
Education		Amisfield School	Moffat Road, Tokoroa	PENSOTTI G2N			1997				4							95	Gas			
Education		Anderson's Bay School	92 Jeffery Street, Anderson's Bay, Dunedin	uncertain		not sure	2007	0.29	Hot Water									80	coal OHAI PEAS	tonnes		
Education	P802100	Aorangi Primary School	NO BOILER																Electricity			
Education		Aorangi School	3-13 Gem Street, Rotorua			Watertube	2009	0.18											Woodwastec			
Education		Aorangi School	3-13 Gem Street, Rotorua				2010	0.025											Electricity			
Education		Aorangi School	3-13 Gem Street, Rotorua				2009												Electricity			
Education	P810200	Aorere College	Portage Road, Papatotoe, Manukau, Auckland	RENDAMAX R30			2007	0.613	Hot Water						0.248265			75	LPG/Butane			
Education		Appleby School	Moutere Highway Richmond 7081	Taylors	Hoval SR150	Diesel boiler	2001	0.16											Diesel			

Education		Arakura School	NO BOILER															NB		
Education		Aranui High School	Shortland Street, Aranui, Christchurch	TAYLOR		Watertube	1995													
Education		Arapohue School	NO BOILER																	NB
Education		Ardgowan School	NO BOILER																	NB
Education		Arohanui Special School	82 Tirimoana Road, Te Atatu South																	No data
Education		Arthur Burns School	Doon St Mosgiel Dunedin																	Coal
Education		Arthur Miller School	NO BOILER																	NB
Education		Arthur Street School	NO BOILER				2008													Electricity
Education		Asburton Intermediate	144 Cass St. Ashburton	AQUATHER MYGNIS		horizontal smoke tube	2002	0.5	Hot Water	5						0.375			85	Oil/Diesel
Education		Auckland Point School	111 Haven Road, Nelson			Firetube	1990		Hot Water											
Education	P802100	Avondale Primary School	Crayford Street West Avondale Auckland 1026	TAYLOR		Watertube	1988	0.186		0.037						0.1116			72	coal blend CPI
Education	P802100	Avondale Primary School	Crayford Street West Avondale Auckland 1026	CUDDON			1988		Hot Water											Coal
Education		Avonhead School	55 Avonhead Road, Christchurch	Ecoflame Single Stage		Watertube	2000	0.175	Hot Water	0.5	10					0.056			80	Oil/Diesel
Education		Avonhead School	55 Avonhead Road, Christchurch	Ecoflame diesel boiler - Hoval SR200		Watertube	05/25/1999		Hot Water		78	5	99	Yes				75	Diesel	Litres
Education		Avonside Girls' High School	NO BOILER																	NB
Education		Awamoa School	Awamoa Rd Oamaru																	Coal 27 tonnes
Education		Bailey Road School	Bailey Road, Mt Wellington Auckland	RADCO		Segment Jacket	1965	0.33	Hot Water							0.1188			75	Coal
Education	P810200	Bairds Mainfreight Primary	Edward Avenue, Otara, Auckland				2010	0.006												All electricity
Education		Balaclava School	2 Mercer Street, Dunedin					0.271												Coal 24? tonnes
Education		Balaclava School	2 Mercer Street, Dunedin			Firetube			Hot Water	0.25		0.04	5	160	Yes	0.04		130	Coal Ohai peas	Tonnes
Education		Balmacewen Intermediate	44 Chapman Street, Maori Hill Dunedin 9010	TAYMAC HEATPAK 4807		Watertube	2005	0.45	Hot Water		4.4								85	coal 50/50 mix - OHAI and KAITANG ATA pea coal

Education		Banks Avenue School	91 Banks Avenue, Christchurch	HOVAL		1999	0.225			0.09		80	Oil/Diesel		
Education		Barnardos New Zealand	12 Slater Street, Christchurch			2009							Electricity		
Education		Barnardos New Zealand	12 Slater Street, Christchurch			2010							Electricity		
Education		Barrytown School	NO BOILER										NB		
Education		Barton Rural School	NO BOILER										NB		
Education		Baverstock Oaks School	NO BOILER										NB		
Education	P810200	Bay of Islands College	1-9 Derrick Road, Kawakawa										Gas/Diesel		
Education	P810200	Bay of Islands College	1-9 Derrick Road, Kawakawa										Electricity		
Education		Bayfield High School	Shore St Dunedin			2006							Coal	37? tonnes	
Education		Bayfield High School	Shore St Dunedin			2006							Coal	37? tonnes	
Education	P802100	Bayswater Primary School	186 Bayswater Avenue, Belmont												
Education		Bayswater School	186 Bayswater Avenue, Belmont	NU WAY automatic diesel burner Model 112D type B				Waterwall					Hot Water	60	Oil/Diesel
Education	P802100	Bayview Primary School	60 Bay View Road, Glenfield, North Shore City, Auckland	CUDDON		1979	0.235	Watertube		0.059925		80	Coal		
Education	P802100	Beach Haven Primary School	Tramway Road, Beach Haven, North Shore City	FERROLI		2000	0.124	water jacket		0.02635		76	Gas		
Education		Beachlands School	18 Bell Rd Beachlands, Manukau City, Auckland 2018	NO BOILER									Electricity (heat pumps)		
Education		Belfast School	700 Main North Road, Christchurch	HOVAL		2000	0.3	Reverse Flame Fire Tube		0.225		90	Oil/Diesel		
Education		Belfast School	700 Main North Road, Christchurch										Diesel		
Education		Belfast School	700 Main North Road, Christchurch										Electricity		
Education		Bellevue School	20 Princess Road, Tauranga										Natural gas		
Education		Bellevue School	20 Princess Road, Tauranga										Electricity		
Education		Belmont Christian Academy	357 South Road Hawera										Natural gas		
Education		Belmont Contributing - Lower Hutt	NO BOILER			2008							Electricity / gas		
Education	P802100	Belmont Primary School	34 Harrison Ave, Belmont, North Shore City, Auckland	HEATSERVE		1956		Watertube				65	coal OHAI PEAS		
Education		Belmont School (Lower Hutt)	NO BOILER			2008							electricity / gas		

Education		Breens Intermediate School	85 Breens Road, Bishopdale, Christchurch 8051	AQUATHER M YGNIS		Watertube	2008	0.6	Hot Water	7.5		0.336		70	Oil/Diesel	
Education		Bridge Pa School	Bridge PA, Hawkes Bay	NO BOILER			2008								Electricity	
Education		Brighton School	Christchurch	HEATSERVE			1980			2.4					coal OHAI PEAS	
Education		Brightwater School	106 Ellis Street, Brightwater, Nelson 7022	AQUATHER M YGNIS		Watertube	1999			2				70	Oil/Diesel	
Education		Broadgreen Intermediate	193 Nayland Road, Stoke, Nelson	Hoval Boiler	191	Firetube	1999	0.5								
		Broadgreen Intermediate	193 Nayland Road, Stoke, Nelson												Diesel	litres
Education		Broadwood Area School Manganuiowae	1041 Broadwood Rd, Broadwood, North Hokianga	AQUATHER M YGNIS		Watertube	2005	0.25	Hot Water	5		0.06125			Oil/Diesel	
		Brockville School	Brockville Rd Dunedin					0.19							Coal	17? tonnes
Education	P802100	Brookfield Primary School	20 Millers Rd Brookfield, Tauranga 3110	HEATSERVE		Watertube	1979	0.175	Hot Water	2.47		0.0665			coal OHAI PEAS	
Education		Bruce McLaren Intermediate	61-69 Bruce McLaren Road, Henderson, Auckland	CUDDON		Watertube			Hot Water					50	coal OHAI PEAS	
Education		Bruce McLaren Intermediate	61-69 Bruce McLaren Road, Henderson, Auckland													
Education		Brunswick School	15 Campbell RD1, Whanganui												Electricity	
Education		Bucklands Beach School	247 Bucklands Beach Road, Bucklands Beach, Manukau City, Auckland	AQUATHER M YGNIS		Waterwall		0.25	Hot Water	5	8	130			Gas	
Education		Buller High School	33-39 Derby Street Westport 7866	TAYLOR		Watertube								65	COAL HEAPY PEAS	
Education		Bulls School	200 Bridge St. Bulls												Electricity	
Education		Bulls School	200 Bridge St. Bulls												Natural gas	
Education		Burnham													Electricity	
Education		Burnside High School	151 Greens Road, Burnside, Christchurch 8053	TAYLOR		Firetube	1998	0.9	Hot Water					78	Oil/Diesel	
Education		Burnside High School	151 Greens Road, Burnside, Christchurch 8053	TAYLOR		Firetube	1997	0.9	Hot Water					78	Oil/Diesel	

Education	P802100	Burnside Primary School	96 Memorial Avenue, Fendalton, Burnside	YGNIS Switzerland	No data	Hit water	2000	0.25	Hot water									Diesel	6000 liters	Liters
Education		Burwood	255 New Brighton Road, Christchurch				2010	0.75										Electricity		
Education		Burwood	255 New Brighton Road, Christchurch			Watertube	2000	0.15										Oil		
		Burwood School	255 New Brighton Road, Christchurch	HOVAL		Watertube	2004	0.15	Hot Water			0.081			80			Oil/Diesel		
Education		Canvastown School	Main Road, Canvastown, Havelock															Electricity		
Education	P810200	Carmel College	114 Shakespeare Rd, Milford				2008											Electricity		
Education	P810200	Carmel College	114 Shakespeare Rd, Milford				1983											Natural gas		
Education	P810200	Carmel College	114 Shakespeare Rd, Milford				2004											Electricity		
Education	P810200	Carmel College	114 Shakespeare Rd, Milford				2006											Electricity		
Education		Casa Nova	Harlech St Oamaru															Coal	17?	tonnes
Education		Cashmere High School	Rose Street, Somerfield, Christchurch 8024	Hamilton Heatpak Taylors clone		Watertube	1970	0.63				0.4095			80			coal blend CPI		
Education	P802100	Caversham Primary School	217 South Road, Caversham, Dunedin 9012	BRITANNIA No.57		Waterwall	1907	0.15	Hot Water			0.053625			80			coal OHAI PEAS		
Education		Centennial Park School	50 Te Kuiti Road, Te Kuiti, Waitomo															No Boiler - 2008 Heatpumps		
Education	P810200	Central Hawkes Bay College	Tavistock Road, Waipukurau, Hawkes Bay															No Boiler - 2008 Heatpumps		
Education	P810200	Central Hawke's Bay College	Tavistock Road, Waipukurau, Hawkes Bay					0.88										LPG/Butane		
Education		Central New Brighton School	Seaview Road, New Brighton, Christchurch	(TAYLOR 78) - taylor Heatpak HP2405		Watertube	1982	0.3	Hot Water	1		0.12			40			Wood Pellets		
Education		Central Normal School	210 Featherston Street Takaro 4410 Palmerston North	AQUATHER M			1988	0.3		5		0.108			67			Gas		
Education		Central School	NO BOILER															NB		
Education		CHARTWELL School	NO BOILER				2008											Electricity		
Education		CHAUCER School	Blackhouse Bay, Auckland			Watertube	2000		0.0233	4.5					95			coal OHAI PEAS		
Education		Cheltenham School	NO BOILER															NB		
Education		Christ the King School	92 Greens Road, Christchurch															Electricity		

Education		EBBETT Park School	Hastings	HEATSERVE		Watertube 1974	0.176	Hot Water	2.4		0.0704		70	Coal	
Education		Ebbett Park School	600 Oliphant Road Hastings	Heatserv	HSV60	Watertube 1980	0.176								
Education	P802100	EDENDALE PRIMARY School	Sandringham Auckland	AQUATHER M YGNIS		Watertube 2003			5				78	Gas	
Education	P810200	EDGEKUMBE COLLEGE	EDGEKUMBE	HAMILTON HEATPAK		Waterwall 1993	0.645	Hot Water	2		0.258		75	Coal	
Education	P802100	EDGEKUMBE PRIMARY School	EDGEKUMBE	CUDDON		Watertube	0.17	Hot Water	3		0.04335		75	Coal	
Education	P802100	EDMONTON PRIMARY School	Te Atatu South, Auckland	HEATPAK		Watertube 1947	0.5	Hot Water	4.5		0.13125		76	Coal	
Education		EDMUND HILLARY School	Papakura, Auckland	CUDDON		Watertube 1972	0.17	Hot Water	7		0.051			Coal	
Education		Eketahuna School	NO BOILER												NB
Education	P810200	ELLESMERE COLLEGE	Leeston	TAYMAC HEATPAK 4807		Waterwall 2007	0.53	Hot Water	4.4		0.46375		60	Coal Blended Giles Creek-Tillers Peas	
Education	P810200	Ellesmere College	Dunsandel Road, Leeston												Electricity
Education	P810200	Ellesmere College	Dunsandel Road, Leeston												Wood pallets
Education		ELMGROVE School	Mosgiel	CRANE WHITEHALL No.26 SECTIONAL BOILER		Waterwall 1963		Hot Water					80	Coal	
Education		ELMPark School	NO BOILER												Electricity
Education		ENNER GLYNN School	Nelson	Sime Gulliver RG5D 12 Freestanding		Watertube 2002	0.213	0.025			0.07242				light oil
Education		Epsom Girls Grammar School	Silver Road, Epsom 1023	YGNIS AQUATHER M		Watertube 1995	0.95	Hot Water	5		0.627		23	Gas	
Education		Epsom Normal Primary School	41 The Drive, Epsom Auckland 1023	Ygnis	AY300	Other 1997	0.3								
Education		FAIRBURN School	Otahuhu, Auckland	AQUATHER M YGNIS		1998	0.3		5		0.0735			Gas	
Education	P810200	Fairburn School	Fairburn School 10 Pukeora Rd Otahuhu Auckland	Aquantherm YGNIS	AY300	1998	0.3								
Education	P810200	Fairfield College	Bankwood Road, Hamilton			1992	0.75								Natural gas
Education	P810200	Fairfield College	Bankwood Road, Hamilton			2004	0.6								Natural gas
Education	P810200	Fairfield College	Bankwood Road, Hamilton			1980/2	0.35								Natural gas
Education	P810200	Fairfield College	Bankwood Road, Hamilton			2005	0.275								Natural gas
Education	P810200	FAIRFIELD COLLEGE School	Fairfield, HAMILTON	Energy Products International		condensin g boiler 2006	0.6	Hot Water			0.21			Gas	
Education		FAIRFIELD School	Fairfield, HAMILTON	BRITANNIA No.37		1958		Hot Water	1.5				70	Coal	

Education	Fairfield School (Levin)	Macarthur Street, Levin	Robin Hood	CG 3/C 422	Watertube 1963																
Education	FAIRFIELD School LEVIN	LEVIN	ROBIN HOOD		Waterwall 1971	Hot Water							70	Gas							
Education	P802100 FAIRLIE PRIMARY School	FAIRLIE	RYLAND		1955								85	Coal							
Education	P802100 Falkmere Primary School	NO BOILER																			NB
Education	Farm Cove Intermediate	16 Butley Drive, Pakuranga	Ecoflam	BLU350	Waterwall 2008																
Education	FARM COVE INTERMEDIATE School	Pakuranga, Auckland	IVAR 290		Waterwall 2008	0.3	Hot Water	3				0.09		70	Gas						
Education	FAVONA School	Mangere, Manukau Auckland	HEATSERVE		Waterwall 1973	0.22	Hot Water					0.0561		80	HUNTLY PEA COAL						
Education	P802100 FEATHERSTON PRIMARY School	FEATHERSTON	TAYMAC		Watertube 1998		Hot Water	0.6						60	Coal						
Education	FERGUSSON INTERMEDIATE School	Trentham, UPPER HUTT	AQUATHER M		Watertube 1997	0.4	Hot Water	5				0.216		80	Gas						
Education	Fernbrook School	Redcastle Rd Oamaru			Coal Boiler										Coal	6?	tonnes				
Education	P802100 Fernlea Primary School	25A Lees Grove, Waimuimata													Natural gas						
Education	P802100 Fernlea Primary School	25A Lees Grove, Waimuimata													Electricity						
Education	FINLAYSON Park School	Manurewa, Auckland	A&T Burnt Lid VALE AUTOMATIC STOKER		Watertube 1980	0.3		2.6				0.05775			Coal						
Education	P810200 Fiordland College	4 Howden Street, Te Anau			Waterwall 1976	0.275									Coal Reefion blend						
Education	P802100 Firth Primary School	Station Road Matamata	Ygnis	unknown	Watertube	0.22															
Education	P802100 FIRTH PRIMARY School	Matamata	AQUATHER M YGNIS		1999	0.2	Hot Water	5				0.08		65	Coal						
Education	Flanshaw Road School	51 Flanshaw Road, Te Atatu South													Coal Huntly Peas						
Education	Flanshaw Road School	51 Flanshaw Road, Te Atatu South													Electricity						
Education	P810200 FLAXMERE COLLEGE	FLAXMERE	HAMILTON		Watertube 1977	0.1	Hot Water					0.032		70	Huntly pea coal						
Education	FLAXMERE School	FLAXMERE	CUDDON		Watertube 1968		Hot Water							50	OHAI PEAS						
Education	Forbury School	Oxford St Dunedin													Coal	40?	tonnes				
Education	Forest Education Centre	Forest Education Centre	EASTEEL			0.47	Steam	4							Gas						
Education	FOREST LAKE School	FOREST LAKE School													Gas						
Education	Forfar Nursery & PreSchool	82 Forfar St, Canterbury													Electricity						
Education	FORREST HILL School	Forrest Hill, North Shore	BEECROFT		Watertube 1980	0.165	Hot Water					0.0396		75	Coal chips/fines						
Education	Fox Glacier School	NO BOILER																		NB	
Education	P810200 FRANCIS DOUGLAS MEMORIAL COLLEGE	New Plymouth	HOVAL		Watertube 1982	0.4	Hot Water	3				3.2256		84	Gas						
Education	FREEVILLE School	NO BOILER																		electricity	
Education	FREYBERG HIGH School	Palmerston North	AQUATHER M		Watertube 2008	0.77		4				0.462		75	Gas						
Education	George St Normal School	George St Dunedin				0.345									LFO	13?	tonnes				

Education	George St Normal School	George St Dunedin				0.05						Coal	6?	tonnes	
Education	GERALDINE HIGH School	GERALDINE	HAMILTON		Watertube 1977	0.7	Hot Water	6.9			0.4375		80	Coal	
Education	Gilberthorpe School	163 Gilberthorpes Road Hei Hei Christchurch 8042	Tripass	TP 120	Watertube 1997	0.12									
Education	GISBORNE INTERMEDIATE School	NO BOILE												Electricity	
Education	P802100 GLADSTONE PRIMARY School	Mt Albert, Auckland	HAMILTON		Waterwall 1973		Hot Water						80	Coal	
Education	GLENAVON School	Auckland	(TAYLOR 78) - laymac Heatpak HP2405		Watertube 1991	0.125	Hot Water	0.125	4.4		0.046875			Coal	
Education	GLENBERVIE School	Whangarei			2008										
Education	GLENDENE School	GLENDENE AUCKLAND	CUDDON		Waterwall 1964		Hot Water						65	coal OHAI PEAS	
Education	Glendene School	60 Barrys Road, Glendene, Auckland												Lignite	
Education	P810200 GLENDOWIE COLLEGE	GLENDOWIE Auckland	AQUATHER M YGNIS		not sure 1997		Hot Water	5					72	Gas	
Education	P802100 Glenfield Primary School	101 Chivalry Road, Glenfield												Natural gas	
Education	GLENMOOR School	Mairehau, ChristchurchL	BRITANNIA No.37		1957		Hot Water						80	Coal	
Education	Glenorchy	NO BOILER												NB	
Education	Glentunnel School	NO BOILER											1985	Electricity	
Education	Glentunnel School	NO BOILER											2010	Electricity	
Education	Gordonton School	Woodlands Road, Gordonton, Hamilton			1999	0.15								Diesel	
Education	Gorge Road School	5 Factory Road Gorge Road, Invercargill				0.392								Diesel	
Education	Grants Braes School	Belford Street				0.13									
Education	GRANTS BRAES School	Dunedin	CRANE WHITEHALL No.26 SECTIONAL BOILER		Watertube 1955		Hot Water	3					80	Coal coal OHAI PEAS	13? tonnes
Education	Green Bay High School	PO Box 80 002, Green Bay, Auckland	Ygnis	AY 750	2010	0.75									
Education	GREEN BAY HIGH School	Green Bay, Waikare	HAMILTON		Waterwall 1967	0.7	Hot Water	5			0.2975		110	Coal	
Education	Green Island School	Dunedin				0.45								Coal	20? tonnes
Education	GREEN ISLAND School	GREEN ISLAND Dunedin	HEATPAK		Waterwall 1974		Hot Water						62	Coal	
Education	GREENACRES School	Tawa, WELLINGTON	YGNIS		1998	0.175	Hot Water	2			0.04375		70	Gas	
Education	Greenhihe	NO BOILER												NB	
Education	GREY MAIN School	Greymouth	BEACON HEATER 2201		Waterwall 1999	0.3	Hot Water	0.45			1.1592		70	COAL - Blend 2	
Education	Greytown	East St. Greytown												Sub-bituminous	
Education	Greytown	East St. Greytown												Electricity	

Education		Grovetown School	Vickerman Street Grovetown, Blenheim		Before 1997									Electricity			
Education		Grovetown School	Vickerman Street Grovetown, Blenheim		2000									Electricity			
Education		Hakombe School	30 Monteith Street, RD9											Electricity			
Education		Halfmoon Bay	Ayr Street, Halfmoon Bay, Stewart Island											Diesel			
		Halfway Bush School	Ashmore Street Dunedin			0.165								Coal	15?	tonnes	
Education		Hamilton Boys High School	49 Peachgrove Road, Hamilton	YGNIS	AY70	06/01/1993	0.75										
Education		HAMMERLEY Park School	Shirley, Christchurch	HAMILTON		Waterwall 1981	Hot Water	2					70	coal blend CPI			
Education		HAMMERLEY Park School	HAMMERLEY Park School - BOILER B	HOVAL		Waterwall 1994	Hot Water	3					70	Oil/Diesel			
Education		Hampton Hill School	Rimu Street, Tawa					0.791						Diesel			
Education		Hampton Hill School	Rimu Street, Tawa					0.791						Diesel			
Education		HAMPTON HILL School	Tawa, WELLINGTON	PENSOTTI CERVINA 60		Waterwall	Hot Water	2			0.041856		65	Gas			
Education		Hapuku School	NO BOILER											NB			
Education		HASTINGS Central School	HASTINGS	HAMILTON		Watertube 2008	Hot Water						60	Coal			
Education		Haumoana School	NO BOILER											NB			
Education		Hautapu School	Cnr Forrest And Hautapu Roads, Cambridge											LPG			
Education		Hautapu School	Cnr Forrest And Hautapu Roads, Cambridge											Electricity			
Education	P802100	Havelock North Primary	NO BOILER											NB			
Education		Hawera High School	13 Camberwell Road, Hawera											Natural gas			
Education		Hawera High School	13 Camberwell Road, Hawera											Electricity			
Education	P802100	HAY Park PRIMARY School	Mt. Roskill, Auckland	BEACON HEATER 2327		Watertube 1978	Hot Water	1			0.0396		70	Hunty pea coal			
Education		HayPark School	NO BOILER											NB			
Education		Hedgehope	Hedgehope-Winton Highway, Invercargill											Electricity			
Education		HENDERSON NORTH School	HENDERSON Auckland	BEACON		Waterwall 1981	Hot Water	2			0.066			Coal			
Education		Henderson North School				Watertube											
Education		HENDERSON VALLEY School	HENDERSON VALLEY School	TAYLOR		Watertube 1989	Hot Water	4.4			0.040625		80	coal OHAI PEAS			
Education		HENLEY School	Richmond, NELSON	HAMILTON		Waterwall 1968							80	Coal			
Education	P810200	HERETAUNGA COLLEGE	HERETAUNGA UPPER HUTT	AQUATHER M		Watertube 1998	Hot Water	3					76	Gas			

Education		HIKURANGI School	HIKURANGI		Watertube	1958		Hot Water			60	COAL HEAPY PEAS	
Education		Hikurangi School	Swann Ave, Hikurangi, Northland		Waterwall	1950							
Education		Hilcrest High School	132 Masters Avenue Hamilton 3216		Other	2011	0.85					Natural gas	
Education		Hilcrest High School	132 Masters Avenue Hamilton 3216		Waterwall	1972	0.65					Coal Huntly peas	
Education		Hilcrest High School	132 Masters Avenue Hamilton 3216		Waterwall	1972	0.65					Coal Huntly peas	
Education		Hilcrest Normal School	218 Cambridge Road, Hamilton		Watertube	1993						Coal Huntly peas	
Education		Hillmorton High School	Tankerville Road Barrington Christchurch 8244	TRIWAY	Watertube	1996	0.9	Hot Water			0.945	85	Coal
Education		HILLMORTON HIGH School	HILLMORTON HIGH School - 2 HILLSBOROUGH PRIMARY	HAMILTON	Watertube	1968	0.45	Hot Water			0.4725	85	Coal
Education	P802100	Hillsborough Primary School			No Boiler - 2008 gas heaters								
Education		Hillview Christian	150 Wiksons Rd. Christchurch			1991							Electricity
Education		Hillview Christian	150 Wiksons Rd. Christchurch			2001							Electricity
Education		Hillview Christian	150 Wiksons Rd. Christchurch			2006							Electricity
Education		HINUERA School	Matamata	FERROLI		2005	0.07	Hot Water			0.0315	75	Oil/Diesel
Education		Hinuera School			NO BOILER								NB
Education	P802100	Hokitika Primary School			NO BOILER								NB
Education		HOKITIKI School			NO BOILER	2008							Electricity
Education		HORA HORA School	HORA HORA			2008							
Education		Hornby High School	180 Waterloo Road, Hornby, Christchurch	TRIPASS GO 1200P		1998	1.41	Hot Water	4.5			60	Oil/Diesel
Education		Horohero School	69 Apirana Road, Rotorua										Electricity
Education	P810200	Horowhenua College	63-73 Weraara road Levin	Nu Way AG 40/10/3	Watertube								
Education		Horsham Downs School			NO BOILER								NB
Education		HUIA RANGE School			NO BOILER	2008							Electricity / gas
Education		Hurleyville School	941 Ball Road RD2, Patea			2008							Electricity
Education		Hurleyville School			NO BOILER								NB
Education		HUTT VALLEY HIGH School	HUTT VALLEY LOWER HUTT	AQUATHER M YGNIS	Firetube	1989	0.7					80	Gas
Education		HUTT VALLEY HIGH School	HUTT VALLEY LOWER HUTT		Firetube	1989	0.7					80	Gas

Education		ILAM School	ILAM Christchurch	AQUATHER M YGNIS	Waterwall	2001	0.15	Hot Water	5	0.1044	80	Oil/Diesel	
Education		Ilinster Intermediate	De Lautour Rd, Gisbourne									Electricity	
Education		INGLEWOOD HIGH School	INGLEWOOD	WEISHAMPT	Watertube	1981		Hot Water	3.5		70	Gas	
Education		Invercargill Middle School	31 Jed Street, Invercargill									Lignite	
Education		Invercargill Middle School	31 Jed Street, Invercargill									Electricity	
Education	P810200	IONA COLLEGE	IONA COLLEGE	YGNIS	Waterwall	2008	0.4		1.7	1.344	70	Gas	
Education		Jade Star Dunedin (early Childhood centre)	214/216 South Rd Caversham, Dunedin			Before 2004						Electricity	
Education		Jade Star Dunedin (early Childhood centre)	214/216 South Rd Caversham, Dunedin			2008						Electricity	
Education		Jade Star Dunedin (early Childhood centre)	214/216 South Rd Caversham, Dunedin			2008						Electricity	
Education		Jean Batten School	6 Imrie Avenue, Mangere		Watertube	05/20/2005						Natural gas	
Education		Johnsonville School	Morgan Street, Johnsonville									Natural gas	
Education		Johnsonville School	Morgan Street, Johnsonville									Electricity	
Education		Just Kitz Educare	NO BOILER									NB	
Education	P802100	Kaeo Primary School	NO BOILER									NB	
Education		Kaharoa School	NO BOILER									NB	
Education		KAIAPOI BOROUGH School	KAIAPOI	TAYLOR	Watertube	1991	0.3	Hot Water	1.5	0.216	70	Coal	
Education		KAIAPOI HIGH School	KAIKOURA	TAYMAC HAMILTON HEAT PONY	Waterwall	1980	0.48	Hot Water	0.5	0.6912	60	COAL HEAPY PEAS	
Education		KAIAPOI HIGH School	KAIAPOI	TAYLOR	Watertube	2000		Hot Water			80	COAL HEAPY PEAS	
Education		KAIHU VALLEY School	KAIHU VALLEY Dargaville	RADCO	Waterwall	1975		Hot Water			70	Coal	
Education		KAIKOHE WEST School	KAIKOHE					No Boiler - Heatpump s					
Education	P802100	Kaikorai Primary School	Tyne Street Dunedin				0.25					Coal	22? tonnes
Education	P802100	KAIKORAI PRIMARY School	Roslyn, Dunedin	HAMILTON HEATPAK	Waterwall	2003		Hot Water	2.5		82	coal OHAI PEAS	
Education	P810200	Kaikorai Valley College	Kaikorai Valley Road Dunedin	Heatpak		1996	1.02					Coal	38? tonnes
Education	P802100	KAITIARA PRIMARY School	NO BOILER									electricity	
Education		KAITANGATA School	KAITANGATA	CRANE WHITEHALL No 26 SECTIONAL BOILER	Waterwall	1968		Hot Water			70	Coal	
Education		Kaitao Middle School	NO BOILER									NB	
Education		Kaiwaka School	336 Mangowhai Rd., Kaiwaka									Coal Huntly peas	

Education		Kakatahi	4315 Parapara Road, RD 3, Whanganui												Reject wood, veneer, LVL, MDF, bark	
Education	P802100	KAMO PRIMARY School	Whangarei	HEATSERVE		Watertube	1977	0.132	Hot Water	2.4			0.0726		50	Coal
Education	P802100	KAPITI PRIMARY School	Paraparaumu	PENSOM CERVIVIA 1&2			1995									Gas
Education		Karapiro School	NO BOILER													NB
Education		Karori Normal School	129 Makara Rd., Karori			Watertube										Natural gas
Education		Karori Normal School	129 Makara Rd., Karori				2008									Electricity
Education		Kawerau North School	Galway St. Kawerau				2001									Natural gas
Education		Kawerau North School	Galway St. Kawerau				2003									Solar Heating
Education		KAWERAU SOUTH School	KAUERAU	HAMILTON		Watertube	1963	0.16	Hot Water				0.06		80	Coal
Education		Kea Street Specialist School	NO BOILER													NB
Education		Kedgley Intermediate	Manukau City					0.12			2.5	60		y		Coal
Education		Kedgley Intermediate	181-185 Portage Rd, Auckland				1958									Sub-bituminous
Education		Kedgley Intermediate	NO BOILER				2001		heat pumps							electricity
Education	P802100	KEITH STREET PRIMARY School	Whanganui	ROBIN HOOD		Watertube	1955		Hot Water						65	Coal
Education		Kelburn Normal School	16 Kowhai Rd, Wellington			Waterwall										Natural gas
Education		Kelburn Normal School	16 Kowhai Rd, Wellington													Electricity
Education		Kelson School	52 Taiiei Crescent, Lower Hutt													
Education		KELSTON DEAF EDUCATION CENTRE	Kelston, Waitakere, Auckland	ALLEN YGNIS		Firetube	1983	0.3	Hot Water	0.6			0.294		70	Gas
Education		Kelston Intermediate School	Vanguard Road, Kelston, Auckland			Watertube										Diesel
Education		Kelston Intermediate School	Vanguard Road, Kelston, Auckland													Electricity
Education	P802100	KELSTON PRIMARY School	Kelston, Waitakere, Auckland	(TAYLOR 78) - laymac Heatpak HP2405			1989	0.12		4.4			0.036			Gas
Education		KELVIN ROAD School	Papakura, Auckland	Gyro Heating Ltd			1968		Hot Water						80	coal OHAI PEAS
Education		Kendal	NO BOILER				2007	0.65								Electricity
Education		Kendal	53 Kendal Ave. Christchurch			Waterwall	05/01/2008	0.16								Wood waste (Wood pellets)
Education		Kenmore Intermediate School	Kaikorai Valley Road Dunedin					0.085								Coal 40? tonnes

Education		Koraunui School	17 Kairimu St, Stokes Valley, Lower Hutt			1992									Electricity		
Education		Korokoro School	NO BOILER												NB		
Education		KOWHAI INTERMEDIATE School	KOWHAI INTERMEDIATE School	TAYLOR		Watertube	1988	Hot Water	4.4					65	Coal		
Education	P810200	KURANUI COLLEGE	Greytown	TAYMAC			1993	Hot Water						75	Coal		
Education	P810200	Kuranui College	East St, Greytown.														
Education		Ladbrooks School	NO BOILER												NB		
Education		Leeston School	NO BOILER												NB		
Education		LEVIN NORTH School	LEVIN	AQUATHER M		Firetube	1990	Hot Water	5			0.0775		85	Gas		
Education		LICHFIELD School	NO BOILER				2008								electricity		
Education	P802100	LIMEHILLS PRIMARY School	LIMEHILLS	DOHERTY		Watertube	1978	Hot Water	0.8			0.288		60	coal OHAI PEAS		
Education		Limehills School	8 Derby Road	Docherty		Watertube	1981										
Education		Lincoln Childcare & PreSchool	Ellesmere Junction Road, Lincoln, Christchurch				2007		0.7								
Education		Lincoln Childcare & PreSchool	Ellesmere Junction Road, Lincoln, Christchurch				1986										
Education		LINCOLN HEIGHTS School	Massey, Auckland	TAYLOR		Watertube	1967	Hot Water	0.002					50	Coal		
Education		LINDEN School	LINDEN PORIRUA	GBS Series 2			1996	Hot Water	5			0.072		90	Gas		
Education		Linton Country School	NO BOILER												NB		
Education		Linwood Intermediate School	7 McLean Street Christchurch	Ygnis	AY400	Watertube	2008		0.4								
Education		LINWOOD INTERMEDIATE School	LINWOOD Christchurch	BRITANNIA LPHW		Waterwall	1956								COAL - REEFTON BLEND		
Education		Linwood North	221 Woodham Road, Christchurch												Electricity		
Education		Linwood North	221 Woodham Road, Christchurch												Gas/Diesel		
Education		Logan Park High School	Butts Rd Dunedin												Coal	6?	tonnes
Education	P810200	Long Bay College	20 Ashley Avenue, Torbay			Waterwall	2005		1.139						Natural gas		
Education	P810200	Long Bay College	20 Ashley Avenue, Torbay			Waterwall	1997		0.737						Natural gas		
Education	P810200	Long Bay College	20 Ashley Avenue, Torbay				2005								Natural gas		
Education	P802100	LONG BAY PRIMARY School	LONG BAY	BEACON HEATER 185		Waterwall	1980	Hot Water	2					60	coal OHAI PEAS		
Education	P810200	LONGBURN ADVENTIST COLLEGE	NO BOILER				2008								Electricity / gas		

Education		LUCKNOW School	NO BOILER		2008								Electricity	
Education		Lyall Bay School	NO BOILER										NB	
Education		Lynfield College	191 White Swan Rd, Mount Roskill, Auckland		1997	0.791							Natural gas	
Education		Lynfield College	191 White Swan Rd, Mount Roskill, Auckland			0.58							Natural gas	
Education		Lynfield College	191 White Swan Rd, Mount Roskill, Auckland		2005	0.314							Natural gas	
Education	P802100	Lynmore Primary School	Iles Road, Lynmore, Lynton Downs		2008	Over 3 years							Electricity	
Education		Lyttelton Main School	34 Oxford Street, Lyttelton		2003	0.225							Diesel	
Education		Lyttelton Main School	34 Oxford Street, Lyttelton		>1999	0.12							Diesel	
Education		Lyttelton Main School	34 Oxford Street, Lyttelton										Electricity	
Education		LYTTLETON WEST School	No Boiler		2008								Electricity	
Education		Lytton High School	Nelson Road, Gisborne		2000	0.75	hot water heating						Natural gas	
Education		Lytton Street School	Lytton Street, Fielding		1995								Natural gas	
Education		Lytton Street School	Lytton Street, Fielding		2000								Electricity	
Education		MACANDREW BAY School	MACANDREW BAY Dunedin	IDEAL K5 Model 2	1968	0.13	Hot Water	0.4		0.1794		75	Coal	
Education		Macandrew Bay School	488 Portobello Road, Macandrew Bay, Dunedin		Watertube 1971								Kai Point Coal	
Education		Macandrew Intermediate											Coal	
Education	P810200	MACLEANS COLLEGE	Bucklands Beach, Auckland	TAYLOR	Watertube 1980	0.582	Hot Water	4.5		0.2328		80	Coal	
Education	P802100	Macleans Primary School	10 Wycherley Drive, Bucklands Beach		2009	0.136							Natural gas	
Education	P802100	MACLEANS PRIMARY School	Bucklands Beach, Auckland	MCDONALD	Watertube 1974		Hot Water	1.1				70	Coal	
Education		Mahinawa Specialist School and Resource Centre	1 B Takapuwhia Drive, Porirua		16/5/2011	0.9							Natural gas	
Education	P802100	MAIREHAU PRIMARY School	NO BOILER		2008								Electricity	
Education		Makaraka School	137 Main Rd Sth, Makaraka, Gisborne		2008	0.015							Electricity	
Education		Makaraka School	137 Main Rd Sth, Makaraka, Gisborne		2010	0.015							Electricity	
Education		MAKARAKA School	NO BOILER		2008								Electricity	

Education		MERCURY BAY AREA School	Whitianga		Watertube	0.8	Hot Water	0.5		0.192		70	coal OHAI PEAS	
Education	P802100	Meremere Primary School	23 Meremere Lane, Meremere, Auckland										Coal Huntly peas	
Education	P802100	Meremere Primary School	23 Meremere Lane, Meremere, Auckland										Electricity	
Education		METHVEN School	NO BOILER			2008							Electricity	
Education		MILFORD School	MILFORD School	AQUATHER M YGNIS		2008	0.125	Hot Water	5				Gas	
Education		Milford School (Auckland)	34 Shakespeare Road, Milford										Natural gas	
Education		Millers Flat School	NO BOILER										NB	
Education	P802100	MILTON PRIMARY School	MILTON	ROBIN HOOD	water jacket	1966		Hot Water				72	Coal	
Education		MOANATAIARI School	NO BOILER			2008							Electricity	
Education		Moerewa School	70 Otriria Road, Moerewa										Electricity	
Education		Moerewa School	70 Otriria Road, Moerewa										Oil	
Education		Moerewa School	70 Otriria Road, Moerewa										Coal	
Education	P802100	Mornington Primary School	Elgin Road Dunedin			2005	1.7						Coal	
Education		Mornington School	34 Elgin Road, Mornington, Dunedin										Not stated	
Education	P810200	MORRINSVILLE COLLEGE	MORRINSVILLE	AQUATHER M	Watertube	1969	0.059	Hot Water	1		0.007965		88	Gas
Education	P810200	Morrinsville College	NO BOILER										NB	
Education		MORRINSVILLE INTERMEDIATE School	MORRINSVILLE	H&P	Watertube	1969	0.44		2		0.154			COAL - New Vale Peas 25
		Morven School	41 Donald Street, Waimate			01/01/2008								Electricity
		Morven School	41 Donald Street, Waimate			03/01/2009								Electricity
Education		Mosgiel Intermediate School	Green St Mosgiel Dunedin											Coal
Education		Mosgiel West School now Elmgrove	Argyle Street Mosgiel Dunedin											Coal 20? tonnes
		Mosston School	211 Mosston Rd Whangamui 4501, Westmere											Electricity
Education	P810200	MOUNT ASPIRING COLLEGE	Wanaka	HAMILTON HEATPAK	Waterwall	1986	0.83	Hot Water	4.5		0.5478		82	Coal
Education	P810200	MOUNT HUTT COLLEGE	Methven	HOVAL	Watertube	1999	0.75	Hot Water			1.05		79	Oil/Diesel
Education		MOUNTAINVIEW HIGH School	Timaru	HAMILTON	Waterwall	1984		Hot Water					90	Coal
Education		MOUNTVIEW School	NO BOILER			2008								Electricity
Education		Mt Hutt College	School	Hoval	SR700 Firetube	1999	0.75	Hot Water						
Education	P802100	Mt Maungamui Primary	NO BOILER											NB
Education		MURITAI School	MURATAI School	MEGALUX 90 (2)		2008		Hot Water					60	Gas

Education		MURRAY'S BAY INTERMEDIATE School	MURRAY'S BAY Auckland	AQUATHER M		Waterwall 1998	0.3	Hot Water	5	0.09			Gas		
Education		MURUPARA School	MURUPARA	Energy Products International		Watertube 2006		Hot Water	2.4			70	Coal		
Education		Musselburgh School	Markov Street Dunedin				0.12						Coal	12?	tonnes
Education	P810200	NAENAE COLLEGE	NAENAE LOWER HUTT	CARBOFUEL		1991	0.45	Hot Water		0.648		90	Gas		
Education	P802100	Naenae Primary School	Wheatley Street, Naenae			Waterwall 2000							Natural gas		
Education	P802100	Naenae Primary School	Wheatley Street, Naenae										Electricity		
Education		NAPIER BOYS HIGH School	NAPIER	VEKOS POWERMAS TER		Watertube 1971		Hot Water	3.4			82	Coal		
Education	P810200	NAYLAND COLLEGE	Stoke, Nelson	TAYLORS HEATSERV		Watertube 1978	0.586	Hot Water	4	0.2344		85	Coal		
Education	P810200	Nayland College	166 Nayland Rd Nelson										Wood Pellets	70?	tonnes
Education	P810200	Nayland College	166 Nayland Road, Stoke, Nelson			Watertube									
Education	P802100	NAYLAND PRIMARY School	Stoke, Nelson	FONDERIE SIME Model 2R 15		Watertube 2003		Hot Water	5			85	Oil/Diesel		tonnes
Education	P810200	Nelson Central School	Nile St Nelson										Diesel		tonnes
Education	P810200	Nelson College	67 Waimea Rd Nelson										Wood Pellets		tonnes
Education	P810200	Nelson College For Girls	Trafalgar St Nelson										Wood Pellets		tonnes
Education	P810200	Nelson College For Girls	Trafalgar St Nelson										Diesel		tonnes
Education		Nelson Intermediate School	112 Tipahi St Nelson										Diesel		tonnes
Education		Netherton	7 School Road, Paeroa										Coal chips/Fines		
Education		Netherton	7 School Road, Paeroa										Electricity		
Education		NEW PLYMOUTH GIRLS HIGH School	NEW PLYMOUTH	ALLEN YGNIS		1973		Hot Water				80	Gas		
Education	P810200	NEWLANDS COLLEGE	NEWLANDS WELLINGTON	CARBOFUEL		Watertube 1990	0.6	Hot Water	1.5	0.36		80	Gas		
Education		Newmarket	7 Gillies Avenue, Newmarket										Electricity		
Education		Newton Central	14 Evelyn St, Eden Tce, Auckland										Natural gas		
Education	P802100	NGATI TOA PRIMARY School	Titahi Bay, PORIRUA	BONGIOANN I - BON GAS		2000		Hot Water	5			90	Gas		
Education		NORTH EAST VALLEY NORMAL School	Dunedin			Watertube 1965		Hot Water	10			70	coal OHAI PEAS		
Education		NORTH NEW BRIGHTON School	NEW BRIGHTON Christchurch	TAYLOR		Watertube 1998	0.186	Hot Water					Coal		
Education		NORTH STREET School	Feilding	AQUATHER M YGNIS		Firetube 2000	0.25	Hot Water	2	0.118125		82	Gas		
Education	P810200	Northcote College	1 Kauri Glen Road, Northcote, Auckland			2005	1.5						Natural gas		
Education	P810200	Northcote College	1 Kauri Glen Road, Northcote, Auckland			2010	0.265						Electricity		
Education	P810200	Northcote College	1 Kauri Glen Road, Northcote, Auckland			2002	0.2						Natural gas		

Education	P802100	Oranga Primary School			Other													
Education	P810200	Orewa College	Riverside Road Orewa 0931 Auckland	HEATSERVE		Watertube 1978	0.9	Hot Water	1.1			0.45			80	coal OHAI PEAS		
Education	P810200	Orewa College	Riverside Road, Orewa	Rendamax R30	Other	2009	0.12									Natural gas		
Education	P810200	Orewa College	Riverside Road, Orewa	Rendamax R30	Other	2009	0.12									Natural gas		
Education	P810200	Orewa College	Riverside Road, Orewa	Rendamax R30	Other	2009	0.1									Natural gas		
Education	P810200	Orewa College	Riverside Road, Orewa	Rendamax R30	Other	2009	0.065									Natural gas		
Education	P810200	Orewa College	Riverside Road, Orewa	Rendamax R30	Other	2009	0.045									Natural gas		
Education	P802100	OREWA PRIMARY School	NO BOILER			2008												
Education		Otago Boys High School	Arthur St Dunedin													Wood		
Education	P810200	OTAHUHU COLLEGE	OTAHUHU COLLEGE Auckland	RENDAMAX R30		Watertube 2006									82	Gas		
Education	P810200	OTAHUHU COLLEGE	OTAHUHU COLLEGE - B BLOCK	RAYPAK Atmospheric Boiler		Watertube 2006									82	Gas		
Education	P802100	OTAHUHU PRIMARY School	NO BOILER													LPG		
Education		Otaki College	Mill Road, Otaki															
Education		OTAKI School	OTAKI	SANGIORGIO		Watertube 1996		Hot Water							90	Gas		
Education	P802100	Otorohanga Primary School	95 Phillips Avenue, Otorohanga			1958		Hot Water							80	coal OHAI PEAS		
Education	P802100	Otumoetai Primary School	NO BOILER													NB		
Education		OXFORD AREA School	OXFORD	HAMILTON HEATPAK		Waterwall 1984		Hot Water								Coal		
Education		PAEKAKARIKI School	PAEKAKARIKI	TAYLOR		1996	0.2	Hot Water	4.4			0.12				Coal		
Education		Paekakariki School	Wellington Road, Paekakariki	Taylors Ltd - 78 Series	987	Watertube 1995	0.2											
Education		PAEROA Central School	PAEROA	HAMILTON		Watertube	0.16	Hot Water				0.088			90	coal OHAI PEAS		
Education		Pahiatua School	21 Albert Street, Pahiatua			Waterwall	0.053									Natural gas		
Education	P810200	PAKURANGA COLLEGE	PAKURANGA COLLEGE - LIBRARY BOILER	LENNOX / CLEVER		1998	0.04	Hot Water				0.08064			60	Gas		
Education	P810200	PAKURANGA COLLEGE	PAKURANGA COLLEGE - MAIN BOILER	AQUATHER M YGNIS		2000		Hot Water	7.5						75	Gas		
Education	P810200	PAKURANGA COLLEGE	PAKURANGA COLLEGE - SWEENEY SCIENCE BLOCK BOILER	AQUATHER M PENSOTTI CERVINIA 51		1998		Hot Water	4						90	Gas		
Education	P810200	PAKURANGA COLLEGE	PAKURANGA COLLEGE - STONE BLOCK BOILER	AQUATHER M PENSOTTI CERVINIA 51		1998		Hot Water	4						95			
Education		PAKURANGA HEIGHTS School	PAKURANGA	AQUATHER M YGNIS		Watertube 1996	0.125	Hot Water	5			0.05			73	Oil/Diesel		
Education		Palmerston North Adventist Christian School	25 Snelson Street, Palmerston North													Electricity		

Education		ROSLYN School	Palmerston North	AQUATHER M		Watertube		5				75	Gas						
Education		Ross Intermediate	NO BOILER										NB						
Education		Rotary Park School	McKerrow Street	Dunedin		Firetube	2009	0.338					Coal	29?	tonnes				
Education		Rotorua Boys' High School	Pukuatua Street,	Rotorua		Firetube	2004						Natural gas						
Education		Rotorua Girls High School	17 Miro Street,	Hillcrest Rotorua 3015	TAYMAC		Watertube	1997	1.02	Hot Water		3		0.408		80	Wood Pellets		
Education		Royal Oak Intermediate	NO BOILER										NB						
Education	P802100	Royal Oak Primary School	Chandler Avenue,	Auckland									Gas/Diesel						
Education	P802100	Royal Oak Primary School	Chandler Avenue,	Auckland									Electricity						
Education		RUAWAI School	RUAWAI	HOVAL		Watertube	1999	0.1	Hot Water		0.5			0.052		70	Oil/Diesel		
Education		RUSSLEY School	Avonhead,	Christchurch	HOVAL		Watertube	1999	0.25	Hot Water		5		0.04		70	Oil/Diesel		
Education		RUTHERFORD INTERMEDIATE	Whangamui	HOVAL		Watertube	1963	0.585	Hot Water					0.0833625		80	Gas		
Education		Sacred Heart	NO BOILER										NB						
Education		Sacred Heart Petone	33 Britannia Street,	Petone				1988									Electricity		
Education		Saint Patrick's Nightcaps	11 Digger Street,	Nightcaps													Electricity		
Education		Salmond Hall	Arden Street	Dunedin						HW							Diesel	500?	litres
Education		Salmond Hall (Presbyterian Foundation Trust)	Arden Street	Dunedin					0.827	HW							Coal	360?	tonnes
Education		Samoa Taumafai Aoga Amata	8 Giles Street,	Tokoroua				08/03/2010	0.011								Electricity		
Education		Samoa Taumafai Aoga Amata	8 Giles Street,	Tokoroua				08/03/2010	0.0041								Electricity		
Education		SARA COHEN School	Dunedin	HEATSERVE				1983	0.132	Hot Water				0.099		65	coal OHAI PEAS		
Education		Sara Cohen School	Rutherford St	Dunedin					0.132								Coal	13?	tonnes
Education	P802100	SELWYN PRIMARY School	Rotorua			Watertube	1966	0.6	Hot Water		0.2			0.18		60	Wood Pellets		
Education		Sherenden and Districts School	2129 Taihape Road	RD 9 Hastings				08/01/2006	0.011								Electricity		
Education		Shirley Boys High School	North Parade,	Richmond Christchurch	YGNIS		Firetube	2002	1	Hot Water						80	Oil/Diesel		
Education	P802100	Silverstream Primary	Whitemans Road,	Silverstream													Electricity		
Education	P802100	Silverstream Primary	Whitemans Road,	Silverstream													Natural gas		
Education		Sir Douglas Bader Intermediate	Court Town Close,	Mangere													Coal	Huntly peas	

Education		TISBURY School	Invercargill	RADCO		Watertube		Hot Water	6.9				38	coal OHAI PEAS	
Education		Titahi Bay Intermediate	Kahutea Terrace, Porirua										Natural gas		
Education		TKKM RUAMATA School	NO BOILER						2008					Electricity	
Education		TOKOMAIRIRO HIGH School	Milton, OTAGO	HAMILTON		Watertube	2000	0.25	Hot Water	5		0.2		66	coal OHAI PEAS
Education		TOKOROĀ Central School	TOKOROĀ	HOVAL		Waterwall	1988		Hot Water					70	Gas
Education		Tokoroa Central School	NO BOILER										NB		
Education		TOLAGA BAY AREA School	NO BOILER						2008					Electricity	
Education		TONGARIRO School	Turangi	BOAG 48/10		Watertube	1988			3				70	Coal
Education	P802100	TRENTHAM PRIMARY School	TRENTHAM UPPER HUTT	PENSOTTI E60 SANGIORIO REGENCY				0.0698	Hot Water	4				90	Gas
Education	P802100	TRENTHAM PRIMARY School	TRENTHAM UPPER HUTT						2008						
Education		Trident High School	Arawa Rd, Whakatane										Electricity		
Education	P810200	Tuakau College	Elizabeth St. Tuakau			Watertube	1974								Diesel
Education	P810200	Tuakau College	NO BOILER as blocks completed										Electricity		
Education	P802100	TUAKAU PRIMARY School	TUAKAU	BEACON		Watertube	1978	0.165	Hot Water	2		0.086625		80	coal OHAI PEAS
Education	P810200	TUATAPERE COMMUNITY COLLEGE	TUATAPERE	BOAG 48/10		Watertube	1983		Hot Water					65	Coal
Education		TUI GLEN School	Stokes Valley, LOWER HUTT	REGENCY GBS SERIES 2		Watertube	1998	0.2	Hot Water			0.064		80	Gas
Education		Tuturumuri	RD 2 White Rock Road, Martinborough										Electricity		
Education	P810200	University College	Leith St Dunedin										Coal 550?		
Education	P810200	University College	Leith St Dunedin										Diesel 40000?		
Education	P802100	Upper Hutt Primary	Martin St. Upper Hutt										Electricity		
Education		VALLEY School	Pukekohe, Auckland	H&P		Waterwall		0.1	Hot Water	1.7		0.04		70	coal OHAI PEAS
Education	P810200	Verdon College	Rockdale Road Invercargill	AQUATHER M		Watertube	1985	0.9	Hot Water	2.2		0.8505		110	Electricity
Education		Victory Primary School	214 Vanguard Street, Nelson South			Firetube	1996	0.3							Nelson Growers Blend (Coal)
Education		Victory School	214 Vanguard St Nelson										Coal tonnes		
Education		WA ORA MONTESSORI School	NO BOILER										LPG		
Education		Waerenga-o-Kuri School	1763 Tiniroto Rd, Gisborne										Electricity		
Education		Waerenga-o-Kuri School	1763 Tiniroto Rd, Gisborne										Electricity		
Education		Waiamiwa School	244 Argyle-Orabuti Rd, Invercargill	Sime			2010	0.17							Diesel
Education		Waiheke High School	11 Donald Bruce Rd, Waiheke Island										Coal Huntly peas		

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
Horticulture		Horticulture																				
Horticulture		?	11 Blackbyre Road, Richmond 7081						1 HW										Coal	120 tonnes		
Horticulture		Aitkenhead Horticulture																				
Horticulture	A012200	A J & J E Ivceovich		Lamborghini			1995	0.225	air heater										gas	1500GJ		
Horticulture	A012200	A J & J E Ivceovich	126 Wensley Road, Richmond	Lamborghini Cuddon			1995 1981	0.225 0.4	air heater HW										gas Coal	1500GJ 125 tonnes		
Horticulture		Biers Gardens	126 Wensley Road, Richmond	Taylor			2000	0.75	HW										Coal	125 tonnes		
Horticulture		Biers Gardens																				
Horticulture		Castle Rock Orchard Ltd																				
Horticulture	A012200	Coolcumber Products	38 Madeleys Road RD 2	Morrow		Firetube	1995	1	Hot Water				365		no				85		liters	
Horticulture	A012200	Coolcumber Products	38 Madeleys Road RD 2			Firetube	2000	1	Hot Water					275	no				85		tonnes	
Horticulture	A012200	Far Out Tomatoes 2003 Ltd	135 Governors Bay T	Morrow		Firetube	2008	2	Hot Water				3 to 12	350	no				80 Cauty60/spr	550t		
Horticulture	A012200	Flat-Tac Capsicums Limited	NO BOILER																			
Horticulture		Franko Roses NZ Limited Gar-sun Gardens	220b State Highway 16	Aquatherm Ygn Trevett	EM 750	Water Tub	2002 1993	0.75 0.6	Hot Water			300kw		365	no		65-75		Natural Gas Coal	30000 LWh 0 tonnes	kWh	
Horticulture	A012200	Gar-sun Gardens	95 Main Rd Richmond	Trevett	E.C.O H2D		1996	1.5											Coal	720 tonnes		
Horticulture	A012200	Gar-sun Gardens	95 Main Rd Richmond																			
Horticulture		Gourmet Mokai Ltd	NO BOILER																			
Horticulture	A012200	Gourmet Paprika Ltd	0842 1622 State Highway 16 WAIMAUKU			Firetube	1993	3	Hot water				10 to 15	330	no				95 gas	20000GJ		
Horticulture	A012200	Gourmet Paprika Ltd	0842 1622 State Highway 16 WAIMAUKU			Firetube	1995	3	Hot water				10 to 15	330	no				95 gas	20000GJ		
Horticulture	A012200	Gourmet Paprika Ltd	0842 1622 State Highway 16 WAIMAUKU			Firetube	1999	9	Hot water				10 to 15	330	no				95 gas	75000GJ		
Horticulture	A012200	Gourmet Paprika Ltd	unknown location in Kumeu			Firetube	1997	2	Hot water				10 to 15	330	no				95 gas	5000GJ		
Horticulture	A012200	Great Lake Tomatoes	705 Vaile Rd Reporoa Crone			Firetube	2005	3	Hot water				6 to 20	330	no				95 gas	70000GJ		
Horticulture		Green Harvest Growing Ltd.																				
Horticulture		Hanna Hothouses Ltd																				
Horticulture		Harbour Head Growers Ltd	1394 Main North Roa	Morrow (conve Tripass		Fire tube	1996	0.75	Hot Water				16 to 24 h	365	no				85 coal blend	2 350t		
Horticulture		Hedger Greenhouse Limited	66 County Road		Lennox			0.03	Hot Air										gas	2000GJ		

Horticulture	A012200	Southern Paprika Ltd		Crone	Fire tube	2004	8	Hot water		10 to 18	330	no	85 gas	50000GJ	
Horticulture	A012200	Southern Paprika Ltd		Crone	Fire tube	2008	8	Hot water		10 to 18	330	no	85 gas	50000GJ	
Horticulture	A012200	Status Produce Ltd					6			3	364	no	Natural gas		
Horticulture		Status Produce Ltd	42 Favona Rd Manger	Crone (Dutch firm)	Fire tube	2000	7.5	Hot Water		10 to 15	330	no	95 gas	80000GJ	
Horticulture		Status Produce Ltd	292 Harrisville Rd	Tuakau	Fire tube	1996	7.5	Hot Water		10 to 15	330	no	95 gas	140000GJ	
Horticulture		Status Produce Ltd	153 Harrisville Rd	Tu Crone	Fire tube	2000	7.5	Hot Water		10 to 15	330	no	95 gas	90000GJ	
Horticulture		Status Produce Ltd	153 Harrisville Rd	Tu Crone	Fire tube	2003	7.5	Hot Water		10 to 15	330	no	95 gas	90000GJ	
Horticulture		Stocks Roses	Levin	Vekos converte VP100	Fire tube	1965	1	Hot Water		1 to 12	300	no	50 Huntily peas	120t	
Horticulture	A012200	The Chili & Capsicum Co	1 818 Tram Road	Beacon	Fire tube	1999	0.9	Hot water		2 to 12	365	no	70 coal blend	2 550t	
Horticulture	A012200	Tiny Toms Ltd			Kroll oil burner to Aquahheat space heater			0.15 space heater		6 to 12	240	no	50 waste oil	50000L	
Horticulture	A012200	Tiny Toms Ltd			Kroll oil burner to Aquahheat space heater			0.15 space heater		6 to 12	240	no	50 waste oil	50000L	
Horticulture		Under Glass (Bombay) Ltd	241 Riverhead Rd			1990	3	Hot Water		1-24hr	365		80	GJ	
Horticulture		Van Lier Nurseries	135 Chamberlain Rd	Massey Auckland	Heatserve	1980	0.88	Hot Water		6-24hr	300		Gas	10,000 tonnes	
Horticulture													900		
Horticulture		Vege Fresh Growers Ltd	72 Lawford Road	Morrow	Tripass	2003	1.5	Hot water		3 to 24	365	no	85 coal blend	2 430t	
Horticulture	A012200	W & M Zwart	617 Nelson Road	Vekos 70	Fire tube		0.75	Hot water		2 to 8	300	no	84 Huntily coal	22MJ/kg	300t
Horticulture		Waitikiri Gardens	449 Prestons Rd,	Christchurch	Hamilton Heatpac		0.8	Hot Water	0.5	10	300	no	70 Coal Reefto	220 Tonnes	
Horticulture		Waitikiri Gardens	450 Prestons Rd,	Christchurch	Hamilton Heatpac		0.8	Hot Water	0.5	10	300	no	70 Coal Reefto	220 Tonnes	
Horticulture		Whakatane Growers	99 Paroa Rd	Whakatane 3191	Coal boiler *2007		2.3	Hot Water		1-16hr	365	No	65 Coal	1550 for 2 t	22
Horticulture		Whakatane Growers	99 Paroa Rd	Whakatane 3191	Coal boiler *2007		2.3	Hot Water		1-16hr	365	No	65 Coal	tonnes	22
Horticulture		Whakatane Growers	99 Paroa Rd	Whakatane	Hamilton Heatp Taylor 5000 PT Coal boiler *1990		1.5	Hot Water		1-16hr	315	No	60 Coal	370 tonnes	22
Horticulture		Whakatane Growers	99 Paroa Rd	Whakata m	Ygnis/Aquather EM 750	Gas boiler	2005	Hot Water		24hr	330	No	70 Gas	13,500 for 4	
Horticulture		Whakatane Growers	99 Paroa Rd	Whakata m	Ygnis/Aquather AY750	Gas boiler	2001	0.75	Hot Water	24hr	330	No	70 Gas	GJ	
Horticulture		Whakatane Growers	99 Paroa Rd	Whakata m	Ygnis/Aquather AY150	Gas boiler	2001	0.15	Hot Water	24hr	330	No	70 Gas	GJ	
Horticulture		Whakatane Growers	99 Paroa Rd	Whakata m	Ygnis/Aquather EM 1200	Gas boiler	2009	1.2	Hot Water	8-18hr	330	No	70 Gas	GJ	
Horticulture		Williams Partnership	185 Main Road	Richn Fogarty		1999	0.3	HW					Gas	40 tonnes	
Horticulture	A012200	Yearbury Holdings Ltd	DRURY 2247	Scott boiler with Hanworthy bur	Fire tube	1975	1	Hot water		1 to 12	365	no	80 waste oil	140000L	

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
Hospitals																						
Hospitals	Q840100	Ashburn Clinic (Ashburn Hall Charitable Trust)	496 Taireri Road Dunedin 9010					0.22											wood chip and pellet			
Hospitals	Q840100	AUCKLAND DHB	AUCKLAND HOSPITAL	MAXITHERM		Watertube	1999	12.8	Saturated Steam	12	9				109.6704				236	Dual gas/diesel		
Hospitals	Q840100	AUCKLAND DHB	AUCKLAND HOSPITAL	EASTEEL		Firetube	2002	6	Saturated Steam		10								184	Gas		
Hospitals	Q840100	AUCKLAND DHB	AUCKLAND HOSPITAL	MAXITHERM			1999	6	Saturated Steam		10								184	Gas		
Hospitals	Q840100	AUCKLAND DHB	GREENLANE HOSPITAL	MAXITHERM		Watertube	1994	5	Saturated Steam		8.5				42.84				178	Gas		
Hospitals	Q840100	AUCKLAND DHB	GREENLANE HOSPITAL	EASTEEL - STEAMPAC		Firetube	1999	2.98	Saturated Steam		8.5								178	Gas		
Hospitals	Q840100	Auckland District Health Board	AA/03/1903					9.50						24					Gas			
Hospitals	Q840100	Auckland District Health Board	AA/03/1903					6.00						24	364				Gas			
Hospitals	Q840100	Auckland District Health Board	AA/03/1903					6.00						24	0				Gas			
Hospitals	Q840100	Auckland Healthcare Services Ltd	Auckland Healthcare Services												0				Gas			
Hospitals	Q840100	Auckland Healthcare Services Ltd	Auckland Healthcare Services												14.5				Gas			
Hospitals	Q840100	BAY OF PLENTY DHB	WHAKATANE HOSPITAL	EASTEEL		Firetube	1994	1.2	Steam		1.5				5.2416				128	Gas		
Hospitals	Q840100	BAY OF PLENTY DHB	WHAKATANE HOSPITAL	EASTEEL		Firetube	2001	1.7	Saturated Steam		1.5				14.8512				128	Gas		
Hospitals	Q840100	BAY OF PLENTY DHB	TAURANGA HOSPITAL	SCOTT		Firetube	1992	1.2		1.8	10				10.4832				Gas			
Hospitals	Q840100	BAY OF PLENTY DHB	TAURANGA HOSPITAL	SCOTT		Firetube	1992	1.2		1.8	10								Gas			
Hospitals	Q840100	CANTERBURY DHB	PRINCESS MARGARET HOSPITAL CHCH	SCOTT		Firetube	1970	1.4	Saturated Steam	1.81									187			
Hospitals	Q840100	CANTERBURY DHB	PRINCESS MARGARET HOSPITAL CHCH				2004	1.6	Hot Water		4.5								145	Electricity		
Hospitals	Q840100	CANTERBURY DHB	PRINCESS MARGARET HOSPITAL CHCH				2004	1	Steam		10.34								Electricity			
Hospitals	Q840100	CANTERBURY DHB	CHRISTCHURCH HOSPITAL	ANDERSON		Firetube	1966	1.4	Saturated Steam	7.2	8				12.2304				175	Coal		
Hospitals	Q840100	CANTERBURY DHB	CHRISTCHURCH HOSPITAL	ANDERSON		Firetube	1966	1.4	Saturated Steam	7.2	8								175	Coal		
Hospitals	Q840100	CANTERBURY DHB	BURWOOD HOSPITAL			Firetube	1970	0.925	Saturated Steam	1.2	8.5				8.0808				178	Coal		
Hospitals	Q840100	CANTERBURY DHB	BURWOOD HOSPITAL			Firetube	1970	0.925	Saturated Steam	1.2	8.5				8.0808				178	Coal		
Hospitals	Q840100	CANTERBURY DHB	HILLMORTON HOSPITAL	JAYMAC		Firetube	2001	1.5	Hot Water		3				13.104				100	LPG/Butane		
Hospitals	Q840100	CANTERBURY DHB	HILLMORTON HOSPITAL	JAYMAC		Firetube	2001	1.5	Hot Water		3				13.104				100	LPG/Butane		

Hospitals		CANTERBURY DHB	CHRISTCHURCH HOSPITAL	ANDERSON	Firetube	1966	1.5 Saturated Steam	7.2	8		13.104		175 Coal	
Hospitals	Q840100	CANTERBURY DHB	CHRISTCHURCH WOMENS HOSPITAL											
Hospitals	Q840100	Canterbury DHB - Hillmorton Hospital					1.5						wood chip and pellet	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL	BABCOCK	Watertube	1974	7.325 Hot Water		7		63.9912		120 Dual gas/diesel	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL	BABCOCK	Watertube	1974	7.325 Hot Water		7		63.9912		120 Gas	
Hospitals	Q840100	CAPITAL COAST DHB	KENEPURU HOSPITAL	ALLEN YGNIS	Watertube		1.02 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	KENEPURU HOSPITAL	ALLEN YGNIS	Watertube		1.02 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	KENEPURU HOSPITAL	ALLEN YGNIS	Watertube		1.02 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	KENEPURU HOSPITAL	HOVAL	Watertube		0.29 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	KENEPURU HOSPITAL	Energy Products International	Watertube		0.103 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	KENEPURU HOSPITAL	ALLEN YGNIS	Watertube		0.482 Hot Water	0.727					100 Gas	
Hospitals	Q840100	CAPITAL COAST DHB	KENEPURU HOSPITAL	ALLEN YGNIS	Watertube		0.482 Hot Water	0.727					100 Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL	AQUATHERM	Watertube		0.24 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL	MAXITHERM	Watertube		0.35 Steam						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL	MAXITHERM	Watertube	1999	1.6 Steam		10.5				Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL	AQUATHERM YGNIS	Watertube	1999	0.75 Hot Water		7.5				Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL	HOVAL	Watertube		0.235 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL	HOVAL	Watertube		0.085 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL		Watertube		Hot Water		11				99 Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL		Watertube		0.06 Steam	0.092	0.7				Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL				0.055 Hot Water						75 Gas	
Hospitals	Q840100	CAPITAL COAST DHB	WELLINGTON HOSPITAL				0.055 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	HOVAL	Watertube		0.147 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	CUDDON	Watertube		0.2 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	uncertain	Watertube		0.06 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	ALLEN YGNIS	Watertube		0.337 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	ALLEN YGNIS	Watertube		0.337 Hot Water						Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	ALLEN YGNIS	Watertube		0.337 Hot Water						Gas	

Hospitals		CAPITAL COAST DHB	PORIRUA HOSPITAL	HOVAL	Watertube	0.21 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	RADCO	Watertube	0.65 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	RADCO	Watertube	0.65 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	RADCO	Watertube	0.65 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	CUDDON	Watertube	Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	CUDDON	Watertube	0.337 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	CUDDON	Watertube	0.337 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PORIRUA HOSPITAL	ALLEN YGNIS	Watertube	Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PARAPARAUMU HOSPITAL	uncertain	Watertube	1990 0.65 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PARAPARAUMU HOSPITAL	HOVAL	Watertube	0.235 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	PARAPARAUMU HOSPITAL	HOVAL	Watertube	0.235 Hot Water					Dual gas/diesel	
Hospitals	Q840100	CAPITAL COAST DHB	PARAPARAUMU HOSPITAL	HOVAL	Watertube	0.235 Hot Water					Dual gas/diesel	
Hospitals	Q840100	CAPITAL COAST DHB	FORENSIC			0.15 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	FORENSIC	AQUAHEAT	Watertube	0.6 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	FORENSIC	AQUAHEAT	Watertube	0.6 Hot Water					Gas	
Hospitals	Q840100	CAPITAL COAST DHB	FORENSIC	YGNIS	Watertube	0.125 Hot Water	0.5				Gas	
Hospitals	Q840100	COUNTIES MANAKAU DHB	MIDDLEMORE HOSPITAL	HOVAL	Firetube	1990 2.05 Hot Water			17.5644		Dual gas/diesel	
Hospitals	Q840100	COUNTIES MANAKAU DHB	MIDDLEMORE HOSPITAL	HOVAL	Firetube	1990 2.05 Hot Water			17.5644		Dual gas/diesel	
Hospitals	Q840100	COUNTIES MANAKAU DHB	MIDDLEMORE HOSPITAL	HOVAL	Firetube	1980 0.762 Hot Water			6.528816		Dual gas/diesel	
Hospitals	Q840100	COUNTIES MANAKAU DHB	MIDDLEMORE HOSPITAL	HOVAL	Firetube	1980 0.762 Hot Water			6.528816		Dual gas/diesel	
Hospitals	Q840100	COUNTIES MANAKAU DHB	MIDDLEMORE HOSPITAL	HOVAL	Firetube	1990 1.465 Hot Water			12.55212		Dual gas/diesel	
Hospitals	Q840100	COUNTIES MANAKAU DHB	MIDDLEMORE HOSPITAL	HOVAL	Firetube	1990 1.465 Hot Water			12.55212		Dual gas/diesel	
Hospitals	Q840100	COUNTIES MANAKAU DHB	MIDDLEMORE HOSPITAL	SCOTT	Firetube	1980 0.63 Saturated Steam	0.816	10	5.39784		184 Dual gas/diesel	
Hospitals	Q840100	COUNTIES MANAKAU DHB	MIDDLEMORE HOSPITAL	SCOTT	Firetube	1980 0.63 Saturated Steam	0.816	10	5.39784		184 Dual gas/diesel	
Hospitals	Q840100	Counties Manukau District Health Board	Counties Manukau DHB				2.05	5			Gas	800kg/hr
Hospitals	Q840100	Counties Manukau District Health Board	Counties Manukau DHB			1.50	3.4	16.8	364		Gas	average 5568GJ/yr
Hospitals	Q840100	Counties Manukau District Health Board	Counties Manukau DHB			1.50	3.4	16.8	364		Gas	average 5568GJ/yr
Hospitals	Q840100	Counties Manukau District Health Board	Counties Manukau DHB			1.00	3.4	16.8	364		Gas	average 5568GJ/yr
Hospitals	Q840100	Counties Manukau District Health Board	Counties Manukau DHB						364			

Hospitals		Counties Manukau District Health Board	Counties Manukau DHB				1.00			3.4	16.8		Gas	average 5568GJ/yr
Hospitals	Q840100	Counties Manukau District Health Board	Counties Manukau DHB				0.90			3.4	16.8	364	Gas	average 5568GJ/yr
Hospitals	Q840100	Counties Manukau District Health Board	Counties Manukau DHB				0.90			3.4	16.8	364	Gas	average 5568GJ/yr
Hospitals	Q840100											364		
Hospitals	Q840100	ENERGY FOR INDUSTRY	DUNEDIN ENERGY CENTRE	DANIEL ADAMSON	Waterwall	1958	6.83 Saturated Steam	10.5	10.3			59.66688	185 Coal	
Hospitals	Q840100	ENERGY FOR INDUSTRY	DUNEDIN ENERGY CENTRE	DANIEL ADAMSON	Waterwall	1958	6.83 Saturated Steam	10.5	10.3				185 Coal	
Hospitals	Q840100	ENERGY FOR INDUSTRY	DUNEDIN ENERGY CENTRE	JOHN THOMPSON	Waterwall	1967	7.39 Saturated Steam	11.8	10.3				185 Coal	
Hospitals	Q840100	ENERGY FOR INDUSTRY	DUNEDIN ENERGY CENTRE	JOHN THOMPSON	Waterwall	1980	7.65 Saturated Steam	12.2	10.3				185 Coal	
Hospitals	Q840100	ENERGY FOR INDUSTRY	AUCKLAND HOSPITAL COGEN	DEUTZ		2005	2.1 Hot Water						105 Gas	
Hospitals	Q840100	ENERGY FOR INDUSTRY	NELSON HOSPITAL	SCOTT	Firetube	2006	1.6 Saturated Steam	2.4	10			13.44	184 Biogas	
Hospitals	Q840100	ENERGY FOR INDUSTRY	AUCKLAND HOSPITAL COGEN	DEUTZ		2005	2.1 Hot Water						105 Gas	
Hospitals	Q840100	GILLIES HOSPITAL	GILLIES HOSPITAL	YGNIS		1984	0.365 Hot Water					3.18864	60 Gas	
Hospitals	Q840100	GILLIES HOSPITAL	GILLIES HOSPITAL	BURNS AND FERRAL		1989	0.092 Steam		4.5			0.803712	135 Electricity	
Hospitals	Q840100	GILLIES HOSPITAL	GILLIES HOSPITAL	YGNIS		1984	0.365 Hot Water					3.18864	60 Gas	
Hospitals	Q840100	GUARDIAN	SUNSET	HOVAL		1975	0.264 Hot Water					2.306304	80 Gas	
Hospitals	Q840100	GUARDIAN	SUNSET	HOVAL		1975	0.264 Hot Water					2.306304	80 Gas	
Hospitals	Q840100	HAWKES BAY DHB	HAWKES BAY HOSPITAL	SCOTT		2001	1.2 Steam	1.82	10.35			10.4832	180 Gas	
Hospitals	Q840100	HAWKES BAY DHB	HAWKES BAY HOSPITAL	AQUATHER M		2004	2.3 Hot Water		7.5			20.0928	105 Gas	
Hospitals	Q840100	HAWKES BAY DHB	HAWKES BAY HOSPITAL	AQUATHER M		2004	2.3 Hot Water		7.5				105 Gas	
Hospitals	Q840100	Hawke's Bay District Health Board	Omahu Rd Hastings			2008 consented	2.3							
Hospitals	Q840100	Healthcare Otago - Bakclutha Hospital	The Hill, Bakclutha				HW					No	Natural gas/diesel	1000? tonnes
Hospitals	Q840100	Healthcare Otago - Bakclutha Hospital - standby	The Hill, Bakclutha				1.2 HW					No	Diesel	2500? litres
Hospitals	Q840100	Healthcare Otago - Wakari Hospital											LPG	
Hospitals	Q840100	Healthcare Otago - Wakari Hospital					3						coal	
Hospitals	Q840100	HUTT VALLEY DHB	HUTT VALLEY HOSPITAL	AQUAHEAT	Watertube		1 Hot Water						85 Gas	
Hospitals	Q840100	HUTT VALLEY DHB	HUTT VALLEY HOSPITAL	AQUAHEAT	Watertube	0	1 Hot Water						85 Gas	
Hospitals	Q840100	HUTT VALLEY DHB	HUTT VALLEY HOSPITAL	AQUAHEAT	Watertube		1 Hot Water						80 Gas	
Hospitals	Q840100	HUTT VALLEY DHB	HUTT VALLEY HOSPITAL	AQUAHEAT	Waterwall		1 Hot Water						80 Gas	

Hospitals		HUTT VALLEY DHB	HUTT VALLEY HOSPITAL	AQUAHEAT	Watertube		1	Hot Water						85	Gas			
Hospitals	Q840100	LAKES DHB	ROTORUA HOSPITAL	EAST COAST STEAM - AUSTRALIA, VEKOS	Watertube	2006	0.25	Saturated Steam	0.4	7			2.184		Gas			
Hospitals	Q840100	LAKES DHB	ROTORUA HOSPITAL					3	Hot Water					10.5		Coal		
Hospitals	Q840100	LAKES DHB	ROTORUA HOSPITAL	EAST COAST STEAM - AUSTRALIA,		1997	0.25	Saturated Steam					2.184		Gas			
Hospitals	Q840100	Mamuka Street Trust Hospital	36 Manuka St Nelson											No		Diesel	21000?	litres
Hospitals	Q840100	MERCY HOSPITAL	AUCKLAND	ANDERSON	Firetube	1979	1.4	Saturated Steam	1.814	6					100	Gas		
Hospitals	Q840100	MERCY HOSPITAL	AUCKLAND	ANDERSON	Firetube	1979	1.4	Saturated Steam	1.814	7					100	Dual gas/diesel		
Hospitals	Q840100	MERCY HOSPITAL	AUCKLAND	AQUATHER M		2001	0.6	Hot Water					5.2416		80	LPG/Butane		
Hospitals	Q840100	MERCY HOSPITAL	AUCKLAND	AQUATHER M		1968	0.45	Hot Water								LPG/Butane		
Hospitals	Q840100	MERCY HOSPITAL	AUCKLAND	ANDERSON	Firetube	1979	1.4	Saturated Steam	1.814	7			12.2304			Dual gas/diesel		
Hospitals	Q840100	MIDCENTRAL DHB	PALMERSTON NORTH	BABCOCK & WILCOX	Firetube	1971	6	Saturated Steam		10.34			52.416		186	Gas		
Hospitals	Q840100	MIDCENTRAL DHB	PALMERSTON NORTH	BABCOCK & WILCOX	Firetube	1971	6	Saturated Steam		10.34			8.97		186	Gas		
Hospitals	Q840100	MIDCENTRAL DHB	PALMERSTON NORTH	BABCOCK & WILCOX	Firetube	1974	6.2									Coal		
Hospitals	Q840100	Mossbrae Hospital	Argyle Street Dunedin						0.249							Diesel	46000?	litres
Hospitals	Q840100	NELSON MARLBOROUGH DHB	NELSON HOSPITAL	BABCOCK & WILCOX	Firetube	1986	4	Saturated Steam		10					185	Coal		
Hospitals	Q840100	NELSON MARLBOROUGH DHB	NELSON HOSPITAL	JOHN THOMPSON	Firetube	1981	2.9	Saturated Steam		10					185	Coal		
Hospitals	Q840100	Nelson Marlborough Health Services Ltd	Waimea Rd Nelson	BABCOCK & WILCOX				4	Steam				No			Coal	700?	tonnes
Hospitals	Q840100	Nelson Marlborough Health Services Ltd	Waimea Rd Nelson	JOHN THOMPSON				2.9	Steam				No			Coal	700?	tonnes
Hospitals	Q840100	Nelson Marlborough Health Services Ltd	Waimea Rd Nelson	Scott				2	Steam				No			Landfill Gas	50,000?	GJ
Hospitals	Q840100	NORTHLAND DHB	BAY OF ISLANDS HOSPITAL					1					8.736			Coal		
Hospitals	Q840100	NORTHLAND DHB	BAY OF ISLANDS HOSPITAL					1								Coal		
Hospitals	Q840100	NORTHLAND DHB	WHANGAREI HOSPITAL	EASTEEL	Firetube	1985	1.4	Saturated Steam	1.8	10			12.2304		184	Dual gas/diesel		
Hospitals	Q840100	NORTHLAND DHB	WHANGAREI HOSPITAL	EASTEEL	Firetube	1985	1.4	Saturated Steam	1.8	10			12.2304		184	Dual gas/diesel		
Hospitals	Q840100	NORTHLAND DHB	WHANGAREI HOSPITAL	EASTEEL	Firetube	1985	1.4	Saturated Steam	1.8	10					184	Dual gas/diesel		
Hospitals	Q840100	NORTHLAND DHB	WHANGAREI HOSPITAL	EASTEEL	Firetube	1985	1.4	Saturated Steam	1.8	10					184	Dual gas/diesel		
Hospitals	Q840100	NORTHLAND DHB	DARGAVILLE HOSPITAL	EASTEEL		1992	0.77	Saturated Steam	1	10			6.72672		184	Oil/Diesel		
Hospitals	Q840100	NORTHLAND DHB	DARGAVILLE HOSPITAL	EASTEEL		1992	0.77	Saturated Steam	1	10					184	Oil/Diesel		
Hospitals	Q840100	NORTHLAND DHB	KAITIAA HOSPITAL	EASTEEL		1992	0.77	Saturated Steam	1	10			6.72672		184	Oil/Diesel		

Hospitals		NORTHLAND DHB	KAITAIA HOSPITAL	EASTEEL		1992	0.77 Saturated Steam	1	10			184 Oil/Diesel	
Hospitals	Q840100	NURSE MAUDE	NURSE MAUDE CHRISTCHURCH	HOVAL	Watertube	2001	0.21 Hot Water				1.83456	85 LPG/Butane	
Hospitals	Q840100	NURSE MAUDE	NURSE MAUDE CHRISTCHURCH	HOVAL	Watertube	2001	0.21 Hot Water				1.83456	85 LPG/Butane	
Hospitals	Q840100	Oamaru Hospital	Oamaru									Coal	7000? tonnes
Hospitals	Q840100	Oamaru Hospital	Oamaru				0.134					Diesel	100 litres
Hospitals	Q840100	OTAGO DHB	WAIKARE HOSPITAL	SCOTT	Firetube	1991	1.5 Hot Water		3		13.104	75 LPG/Butane	
Hospitals	Q840100	OTAGO DHB	LESLIE GROVES HOSPITAL										
Hospitals	Q840100	PARKHAVEN HOSPITAL	PARKHAVEN HOSPITAL	RAYPAK Atmospheric Boiler		1990	0.043 Hot Water				0.375648	Gas	
Hospitals	Q840100	PARKHAVEN HOSPITAL	PARKHAVEN HOSPITAL			1990	0.275 Hot Water				2.4024	Gas	
Hospitals	Q840100	PARKHAVEN HOSPITAL	PARKHAVEN HOSPITAL			1990	0.028 Hot Water				0.24024	Gas	
Hospitals	Q840100	SOUTH CANTERBURY DHB	TIMARU HOSPITAL	ANDERSON	Firetube	1984	1.7 Saturated Steam	2.3	10.4		14.8512	186 Coal	
Hospitals	Q840100	SOUTH CANTERBURY DHB	TIMARU HOSPITAL	ANDERSON	Firetube	1984	1.7 Saturated Steam	2.3	10.4			186 Coal	
Hospitals	Q840100	SOUTHERN CROSS HOSPITAL	NORTH HARBOUR	EAST COAST STEAM - AUSTRALIA,		1999	0.1 Hot Water	0.157			0.624	Gas	
Hospitals	Q840100	SOUTHERN CROSS HOSPITAL	NORTH HARBOUR	EAST COAST STEAM - AUSTRALIA,		1999	0.1 Hot Water				0.624	Gas	
Hospitals	Q840100	SOUTHERN CROSS HOSPITAL	BRIGHTSIDE			2000	0.056 Hot Water				0.460992	Electricity	
Hospitals	Q840100	SOUTHERN CROSS HOSPITAL	BRIGHTSIDE			2004	0.04 Hot Water				0.32928	Electricity	
Hospitals	Q840100	SOUTHERN CROSS HOSPITAL	AUCKLAND SURGICAL CENTRE	EAST COAST STEAM - AUSTRALIA,		2007	0.2 Steam	0.309	10		1.6464	130 Gas	
Hospitals	Q840100	SOUTHERN CROSS HOSPITAL	AUCKLAND SURGICAL CENTRE	EAST COAST STEAM - AUSTRALIA,		2007	0.2 Hot Water	0.309	10		1.6464	130 Gas	
Hospitals	Q840100	SOUTHLAND HOSPITAL	SOUTHLAND HOSPITAL	ANDERSON	Firetube	1966	5.1 Saturated Steam		10		44.5536	184 Lignite	
Hospitals	Q840100	SOUTHLAND HOSPITAL	SOUTHLAND HOSPITAL	VEKOS	Watertube	2006	4.5 Saturated Steam		10			Lignite	
Hospitals	Q840100	ST GEORGE'S HOSPITAL	ST GEORGE'S HOSPITAL	SCOTT	Firetube	2002	0.7 Saturated Steam	0.9	10			182 LPG/Butane	
Hospitals	Q840100	ST GEORGE'S HOSPITAL	ST GEORGE'S HOSPITAL	SCOTT	Firetube	2002	0.7 Saturated Steam	0.9	10			182 LPG/Butane	
Hospitals	Q840100	ST JOANS HOSPITAL	ST JOANS HOSPITAL	YGNIS			0.175 Hot Water					50 Gas	
Hospitals	Q840100	Taihape Rural Hospital	Hospital Rd Taihape			2008 consented	0.645					Coal	
Hospitals	Q840100	Taihape Rural Hospital	Hospital Rd Taihape			2008 consented	0.645					Coal	
Hospitals	Q840100	TAIRAWHITI DISTRICT HEALTH	GISBORNE HOSPITAL	EASTEEL	Firetube	1986	1.4 Saturated Steam		10		12.2304	185 Dual gas/diesel	
Hospitals	Q840100	TAIRAWHITI DISTRICT HEALTH	GISBORNE HOSPITAL	EASTEEL	Firetube	1986	1.4 Saturated Steam		10		12.2304	185 Gas	
Hospitals	Q840100	TAIRAWHITI DISTRICT HEALTH	GISBORNE HOSPITAL	EASTEEL	Firetube	1986	1.4 Saturated Steam		10			185 Gas	

Hospitals	Q840100	WAKEFIELD HOSPITAL	WAKEFIELD HOSPITAL			2002	0.09	Hot Water				0.78624		Gas
Hospitals	Q840100	WAKEFIELD HOSPITAL	WAKEFIELD HOSPITAL			2002	0.09	Hot Water				0.78624		Gas
Hospitals	Q840100	WAKEFIELD HOSPITAL	WAKEFIELD HOSPITAL			2002	0.124	Saturated Steam	0.16	10				180 Gas
Hospitals	Q840100	WAKEFIELD HOSPITAL	WAKEFIELD HOSPITAL			2002	0.124	Saturated Steam	0.16	10				180 Gas
Hospitals	Q840100	WANGANUI HOSPITAL	WANGANUI HOSPITAL			2008		Saturated Steam						Gas
Hospitals	Q840100	WEST COAST DHB	GREY HOSPITAL	BABCOCK	Firetube	1982	1.4	Saturated Steam	1.85	10		12.2304		184 Coal
Hospitals	Q840100	WEST COAST DHB	GREY HOSPITAL	BABCOCK	Firetube	1982	1.4	Saturated Steam	1.85	10				184 Coal
Hospitals	Q840100	WEST COAST DHB	BULLER HOSPITAL	HEATSERVE		1985	0.88	Hot Water				7.68768		Coal
Hospitals	Q840100	WEST COAST DHB	BULLER HOSPITAL	HEATSERVE		1985	0.88	Hot Water	23.4					Coal
Hospitals	Q840100	WEST COAST DHB	REEFTON HOSPITAL	HEATSERVE		1980	0.44	Hot Water				3.84384		100 Coal
Hospitals	Q840100	WEST COAST DHB	REEFTON HOSPITAL	HEATSERVE		1980	0.44	Hot Water						100 Coal
Hospitals	Q840100	WHANGANUI DHB	WANGANUI HOSPITAL					Steam						Gas
Hospitals	Q840100	WHANGANUI DHB	WANGANUI HOSPITAL					Steam						Oil/Diesel

Sector	ANZSIC Code	CompanyName	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec.Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit		
Meat Processing / Skins		Meat Processing / Skins Processing A W VERKERK	CHRISTCHURCH	ANDERSON		Firetube	1999	1.4	Steam	1.81	9.5				12.2304				180	Tallow				
Meat Processing / Skins		AFFCO	WIRI	SCOTT COMBUSTION		Firetube	2002	0.63	Steam	0.816	10.35				3.1752						Gas			
Meat Processing / Skins		AFFCO	HOROTIU	FOSTER WHEELER (MCKENZIE JOHN THOMPSON)		Watertube	1970	10	Steam	18	13				74.88						Gas			
Meat Processing / Skins		AFFCO	WAIROA	JOHN THOMPSON		Watertube	1970	11.3	Saturated Steam	18.15	10.5				71.5968						185	Coal		
Meat Processing / Skins		AFFCO	IMLAY WANGANUI	COCKRAM		Firetube	1982	5	Saturated Steam		11				40.32							Coal		
Meat Processing / Skins		AFFCO	IMLAY WANGANUI	BABCOCK & WILCOX (EASTEEL)		Firetube	1972	5.5	Steam						38.016							Gas		
Meat Processing / Skins		AFFCO	IMLAY WANGANUI	BABCOCK & WILCOX (EASTEEL)		Firetube	1972	5.5	Steam						38.016							Gas		
Meat Processing / Skins		AFFCO	CASINGS PLANT (SOUTH AUCKLAND)	CARBOFUEL		Firetube	1992	1.186	Hot Water		4.57		13	260	2.390976							120	Gas	
Meat Processing / Skins		AFFCO	MANAWATU	AQUATHER M			1972	1.85	Hot Water						12.21							100	Gas	
Meat Processing / Skins		AFFCO	MOEREWA	JOHN THOMPSON		Watertube	1980	14	Saturated Steam	22	8				67.2							Coal		
Meat Processing / Skins		AFFCO	WIRI	HOVAL				0.77	Hot Water						6.468							Gas		
Meat Processing / Skins		AFFCO	WIRI	HOVAL				0.77	Hot Water						6.468							Gas		
Meat Processing / Skins		AFFCO	RANGIRURU (TE PUKE)	JOHN THOMPSON			1961	5.3	Saturated Steam	7.3	9											175	Gas	
Meat Processing / Skins		AFFCO	RANGIRURU (TE PUKE)	JOHN THOMPSON			1961	5.3	Saturated Steam	7.3	9												175	Gas
Meat Processing / Skins		ALLIANCE GROUP	LORNEVILLE	FOSTER WHEELER (MCKENZIE & WILCOX)		Watertube	1976	13	Hot Water	20	17				62.8992							207	Lignite	
Meat Processing / Skins		ALLIANCE GROUP	LORNEVILLE	BABCOCK & WILCOX		Watertube	1983	18	Saturated Steam	27	11				87.0912							186	Lignite	
Meat Processing / Skins		ALLIANCE GROUP	SOCKBURN	ANDERSON		Firetube	1978	6	Saturated Steam	5.5	8.5				23.04								Coal	
Meat Processing / Skins		ALLIANCE GROUP	SOCKBURN	ANDERSON		Firetube	1978	1.2	Saturated Steam	1.8	8.5												Oil/Diesel	
Meat Processing / Skins		ALLIANCE GROUP	DANNEVIRKE	AQUAHEAT			2003	1.5	Hot Water						8.64								95	Gas
Meat Processing / Skins		ALLIANCE GROUP	MATAURA	BABCOCK & WILCOX		Watertube	1955	3.8	Saturated Steam	6	10				16.416								Lignite	
Meat Processing / Skins		ALLIANCE GROUP	MATAURA	BABCOCK & WILCOX		Watertube	1962	9.4		15	10				60.912								Lignite	
Meat Processing / Skins		ALLIANCE GROUP	MATAURA TANNERY	TRIWAY		Firetube	2002	1	Hot Water						7.2								95	Lignite
Meat Processing / Skins		ALLIANCE GROUP	SMITHFIELD	JOHN THOMPSON		Watertube	1985	13	Saturated Steam	22	18				80.496								180	Coal
Meat Processing / Skins		ALLIANCE GROUP	STOKE	AQUAHEAT		Firetube	2000	1.2	Hot Water						5.76								120	Oil/Diesel

Meat Processing / Skins		ALLIANCE GROUP	PUKEURI	BABCOCK & WILCOX		Watertube	1936	1.2	1.6	14.2						Coal	
Meat Processing / Skins		ALLIANCE GROUP	PUKEURI	BABCOCK & WILCOX		Watertube	1955	7.8	10	14.2			53.5392			Coal	
Meat Processing / Skins		ALLIANCE GROUP	PUKEURI	FOSTER WHEELER (MCKENZIE ANDERSON)		Watertube	1986	15.9	20.5	14.2			109.1376			Coal	
Meat Processing / Skins		ALLIANCE GROUP	SOCKBURN				2006	1.6 Saturated Steam	2.72							Oil/Diesel	
Meat Processing / Skins		ALLIANCE GROUP	MAKAREWA	BABCOCK & WILCOX		Watertube	1952	6.1 Superheated Steam		8			37.0392			Lignite	
Meat Processing / Skins		ALLIANCE GROUP	MAKAREWA	BABCOCK & WILCOX		Watertube	1956	6.1 Superheated Steam		8			37.0392			Lignite	
Meat Processing / Skins		ALLIANCE GROUP	MATAURA					0.2 Hot Water					1.344			Oil/Diesel	
Meat Processing / Skins		ALLIANCE GROUP	MATAURA					0.2 Hot Water					1.344			Oil/Diesel	
Meat Processing / Skins		ALLIANCE GROUP															
Meat Processing / Skins		no															
Meat Processing / Skins			Nelson Plant Main Rd Aquaheat	PTL 1200		Firetube	2000	1.2 Hot Water	200 kpa	1200 kw	* 10 / 14	230				120 Diesel	301641 litre Litres
Meat Processing / Skins			ASHBURTON MEAT PROCESSORS	Ashburton	ANDERSON	Firetube	1989	1 Steam	1.36	10			6.24			180 Oil/Diesel	
Meat Processing / Skins	C111100		AUCKLAND MEAT PROCESSORS	AUCKLAND	JOHN THOMPSON	Firetube	1965	4.6	5.9				15.456			Coal	
Meat Processing / Skins	C111100		AUCKLAND MEAT PROCESSORS	AUCKLAND	JOHN THOMPSON	Firetube	1969	4.6	5.9	10			15.456			Coal	
Meat Processing / Skins	C111100		AUCKLAND MEAT PROCESSORS	AUCKLAND	DANIEL ADAMSON	Firetube	1953	3.5	4.31							Coal	
Meat Processing / Skins	C111100		AUCKLAND MEAT PROCESSORS	AUCKLAND	GWB ??		1960	1.4	1.81	10	12					Gas	
Meat Processing / Skins		BOWMONT WHOLESALE MEATS															
Meat Processing / Skins			BERNARD MATTHEWS NZ LTD	WAIPUKERAU	EASTEEL	Watertube	1997	1.1 Saturated Steam		8			4.752			90 Gas	
Meat Processing / Skins	C111200		BERNARD MATTHEWS NZ LTD	GISBORNE	AQUATHER M	Firetube		0.5 Hot Water					3.36			105 Gas	
Meat Processing / Skins	C111200		BERNARD MATTHEWS NZ LTD	GISBORNE	AQUATHER M		1999	0.4 Hot Water					2.688			Gas	
Meat Processing / Skins	C111200		BERNARD MATTHEWS NZ LTD	FIELDING	YGNIS		1998	0.4 Hot Water					1.728			Gas	
Meat Processing / Skins	C111200		BLUE SKY MEATS	BLUE SKY MEATS	ANDERSON VEKOS	Firetube	1984	2.35 Hot Water		2			15.903672			100 Lignite	
Meat Processing / Skins	C111100		BRINKS CHICKEN	BRINKS CHICKEN	AQUATHER M		1989	0.4 Hot Water					2.88			88 Gas	
Meat Processing / Skins	C111200		BRINKS CHICKEN	BRINKS CHICKEN	AQUATHER M		1989	0.4 Hot Water					2.88			93 Gas	
Meat Processing / Skins		invercargill															
Meat Processing / Skins	C111100		Bowmont Wholesale Meats														
Meat Processing / Skins	C111100		CANTERBURY MEAT PACKERS	SEAFIELD	JOHN THOMPSON	Firetube	1980	4.5 Saturated Steam	1.81	8.5			29.7			Coal	
Meat Processing / Skins	C111100		CANTERBURY MEAT PACKERS	SEAFIELD		Firetube	1980	7.5 Saturated Steam		8.5			49.5			Coal	
Meat Processing / Skins	C111100		CANTERBURY MEAT PACKERS	BLLENHEIM	TAYLOR	Watertube	1982	0.75		2			5.04			95 Coal	
Meat Processing / Skins	C111100		CANTERBURY MEAT PACKERS	BLLENHEIM	TAYLOR	Watertube	1982	0.75 Hot Water					5.04			95 Coal	
Meat Processing / Skins	C111100		CANTERBURY MEAT PACKERS	KOKIRI (WESTLAND)	BABCOCK & WILCOX	Watertube	1989	7 Saturated Steam		10			22.176			Coal	

Meat Processing / Skins Processing /	C111100	Canterbury Meat Processors	Ashburton									Coal	5800?	tonnes		
Meat Processing / Skins Processing /	C111100	Canterbury Meat Processors										Coal	2500?	tonnes		
Meat Processing / Skins Processing /	C111100	Canterbury Meat Processors	Greymouth Marlborough	Taylor		0.75						Coal	750?	tonnes		
Meat Processing / Skins Processing /	C111100	Canterbury Meat Processors	Marlborough	Taylor	78 Series	0.75						Coal	750?	tonnes		
Meat Processing / Skins Processing /	C111100	CRUSADER MEATS	CRUSADER MEATS	Energy Products International YGNIS			Watertube	1993	2.3	Hot Water	3.5			115 LPG/Butane		
Meat Processing / Skins Processing /	C111100	FRASERTOWN MEAT COY	FRASERTOWN MEAT COY					2006	0.45	Hot Water				0.972	116 LPG/Butane	
Meat Processing / Skins Processing /	C111100	FRESH MEATS NZ LTD	NAPIER	HOVAL			Firetube	2002	0.95	Hot Water				2.052	97 Gas	
Meat Processing / Skins Processing /	C111100	FRESH PORK BAY CITY	FRESH PORK BAY CITY	ANDERSON			Firetube	1973	2.3	Saturated Steam	2.95	10.3		7.038	185 Oil/Diesel	
Meat Processing / Skins Processing /	C132000	GRAEME LOWE HAWERA LTD	GRAEME LOWE HAWERA LTD	MAXITHERM			Watertube	2002	3.15	Steam	10.5			13.23	186 Gas	
Meat Processing / Skins Processing /	C132000	GRAEME LOWE HAWERA LTD	GRAEME LOWE HAWERA LTD	ANDERSON			Waterwall	1960	1.6	Steam	10.5			6.72	186 Gas	
	C132000	Graeme Lowe Otago		Vekos						1.14	Steam				Coal	400? For 3 boilers
	C132000	Graeme Lowe Otago		Main South Rd Green						1.14	Steam				Coal	
	C132000	Graeme Lowe Otago		Main South Rd Green	Vekos					1.14	Steam				Coal	
Meat Processing / Skins Processing /	C111100	GREENLEA PREMIER MEATS LTD	GREENLEA PREMIER MEATS LTD	AQUATHER M			Waterwall	2000	0.95	Hot Water	5				100 Gas	
Meat Processing / Skins Processing /	C111100	GREENLEA PREMIER MEATS LTD	MORRINSVILLE	AQUATHER M				1993	0.95	Hot Water				5.2668	82 Gas	
Meat Processing / Skins Processing /		Hawke's Bay Protein	Waitangi Rd Napier					2010 consented								
Meat Processing / Skins Processing /		Hawke's Bay Protein	Waitangi Rd Napier					2010 consented		4.8						Natural gas/tallow
Meat Processing / Skins Processing /		Hawke's Bay Protein	Waitangi Rd Napier							4.8						Natural gas/tallow
Meat Processing / Skins Processing /	C111100	HEARTLAND PRIME MEAT (NZ)		HOVAL				1960	1.37	Hot Water	7				100 Oil/Diesel	
Meat Processing / Skins Processing /	C111100	Horizon Meats NZ Ltd	Parnell													
Meat Processing / Skins Processing /	C111200	INGHAMS ENTERPRISES	INGHAMS ENTERPRISES				Firetube	2004	2.2	Hot Water	1.5			13.464	92 Gas	
Meat Processing / Skins Processing /	C111200	INGHAMS ENTERPRISES	INGHAMS ENTERPRISES				Firetube	2004	2.2	Hot Water	1.5			13.464	92 Gas	
Meat Processing / Skins Processing /	C111100	LAMB PACKERS	LAMB PACKERS FIELDING	AQUATHER M				1988	0.5	Hot Water				4.032	95 Gas	
Meat Processing / Skins Processing /	C111100	LAND MEAT NZ LTD	LAND MEAT NZ LTD	AQUATHER M			Watertube	2007	1.8	Hot Water				6.3	95 Gas	
Meat Processing / Skins Processing /		LOWE CORPORATION	G.L HASTINGS TANNERY	RAYPAK Atmospheric Boiler			Watertube	2000	0.6	Hot Water				4.9392	60 Gas	
Meat Processing / Skins Processing /		LOWE CORPORATION	G.L HASTINGS TANNERY	ANDERSON			Firetube	1972	1.4	Saturated Steam					Gas	
Meat Processing / Skins Processing /		LOWE CORPORATION	G.L HASTINGS TANNERY	SCOTT			Firetube	1983	1.4	Saturated Steam	1.818	7		11.5248	Gas	
Meat Processing / Skins Processing /		LOWE CORPORATION	G.L HASTINGS TANNERY	RAYPAK Atmospheric Boiler			Watertube	1997	0.428	Hot Water				3.523296	60 Gas	

Meat Processing / Skins	LOWE CORPORATION	G.L HASTINGS TANNERY	RAYPAK Atmospheric Boiler	Watertube	1997	0.313	Hot Water							2.576616			60	Gas	
Meat Processing / Skins	LOWE CORPORATION	HAWERA	ANDERSON	Watertube	1977	2.8	Saturated Steam	4.7	10.3					14.56				Gas	
Meat Processing / Skins	LOWE CORPORATION	HAWERA	MAXITHERM	Watertube	2001	3.25	Saturated Steam	5.44	10.3					16.9				Gas	
Meat Processing / Skins	LOWE CORPORATION	WAIKATO (TAKAPAU)	EASTEEL	Firetube 3 pass	1993	6	Saturated Steam	9.565	11					37.44				185	Gas
Meat Processing / Skins	LOWE CORPORATION	CHRISTCHURCH	BABCOCK	Watertube		0.9			10.5					4.095				160	Coal
Meat Processing / Skins	LOWE CORPORATION	ASTLEY LEATHERS	ANDERSON	Firetube	1975	1.2	Saturated Steam	1.81	7					10.4832				100	Gas
Meat Processing / Skins	LOWE CORPORATION	AUCKLAND	YGNIS	Watertube	1980	0.65	Hot Water		2.4					5.2416				90	Gas
Meat Processing / Skins	LOWE CORPORATION	AUCKLAND	HOVAL	Watertube	1983	0.65	Hot Water		0.5					5.2416				90	Gas
Meat Processing / Skins	Otago Venison	Taieri Dunedin				0.25													tonnes
Meat Processing / Skins										1.2	300	kw	24	300	no			Coal	litres
Meat Processing / Skins	C111100	Ovation NZ Ltd	Gisborne	Energy Products EY500	2000	0.5	Hot Water											95	Natural gas
Meat Processing / Skins	C111100	Ovation NZ Ltd	Gisborne	Energy Product EY400	1999	0.4	Hot Water											95	Natural gas
Meat Processing / Skins	C111100	Ovation NZ Ltd	Feilding	Energy Product EY500	1999	0.5	Hot Water											95	Natural gas
Meat Processing / Skins	C111100	PRIME RANGE MEATS	PRIME RANGE MEATS	VEKOS	1980	4.7	Saturated Steam	6.13	10					32.906016				720	Lignite
Meat Processing / Skins	C111100	PRIME RANGE MEATS	PRIME RANGE MEATS	STEAMBLOC	2004	4		4.99											
Meat Processing / Skins	C111100	PROGRESSIVE MEATS NZ LTD	Hastings	YGNIS	1998	0.6	Hot Water							3.672				100	Gas
Meat Processing / Skins	C111100	PROGRESSIVE MEATS NZ LTD	Hastings	YGNIS	2006	0.25	Hot Water											100	Gas
Meat Processing / Skins	C111100	RICHMOND LTD	TAKAPAU	ANDERSON	1964	5.6	Saturated Steam	7.26	10.3					20.944					Gas
Meat Processing / Skins	C111100	RICHMOND LTD	TAKAPAU	HOVAL	1983	1.2	Hot Water							4.488				120	Gas
Meat Processing / Skins	C111100	RICHMOND LTD	TAKAPAU	HOVAL	1981	1.2	Hot Water							4.488				120	Gas
Meat Processing / Skins	C111100	RICHMOND LTD	TAKAPAU	EASTEEL - STEAMPAC	2003	1.2	Saturated Steam		10					4.488					Gas
Meat Processing / Skins	C111100	RICHMOND LTD	TIRAU	AQUATHER M YGNIS	1996	1.85	Hot Water											100	Gas
Meat Processing / Skins	C111100	RICHMOND LTD	RICHMOND LTD TE AROHA	TRIWAY	1992	2	Steam		1.2					14.4				120	Coal
Meat Processing / Skins	C111100	RICHMOND LTD	RICHMOND LTD PAEROA	TRIWAY	1992	1.5								3.276					Coal
Meat Processing / Skins	C111100	RICHMOND LTD	RICHMOND LTD WAITOTARA	YGNIS	1989	3	Hot Water							25.704					Gas
Meat Processing / Skins	C111100	RICHMOND LTD	RICHMOND LTD HAWERA	YGNIS	1995	1.2	Hot Water							5.04					Gas
Meat Processing / Skins	C111100	RICHMOND LTD	RICHMOND LTD HAWERA	ANDERSON	1970	1	Hot Water	1.8						4.2					Gas
Meat Processing / Skins	C111100	RICHMOND LTD	RICHMOND LTD DARGAVILLE	TAYMAC HEATPAK 4807	2004	1.5	Hot Water							10.368				90	Coal

Meat Processing / Skins		RICHMOND LTD	Te Kawhata			2006	1							1.2		Gas	
Meat Processing / Skins		RIVERLANDS	MANAWATU/ELT HAM	MAXITHERM	Watertube	2002	3	Hot Water						25.2		120 Gas	
Meat Processing / Skins		RIVERLANDS	MANAWATU/ELT HAM	PARKINSON COWAN	Watertube	1954	1	Steam		6.5				8.4		162 Gas	
Meat Processing / Skins		Silver Fern Farms	Belfast	B+W	Water tube	1945	2.5	Sat. steam	4	10	3	16	25	N	N/A	Coal	235 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Belfast											1.2			
Meat Processing / Skins	C111100	Silver Fern Farms	Belfast	B+W	Water tube	1945	2.5	Sat. steam	4	10	3	16	25	1.2 N	N/A	Coal	235 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms		John Thompson	Twin furna	1961?	4.3	Sat. steam	7	10	6	16	200	19.2 N	N/A	Coal	1600 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Canterbury	Babcock	Steambloc	1960?	3	Sat. steam	5	10	0	0	0	0.0 N	N/A	Oil	0 Litres
Meat Processing / Skins	C111100	Silver Fern Farms	Dargaville	Taymac	Heat Pac	2006	1.5	Hot Water		1	1.5	24	306	11.0 N	N/A	Coal	850 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Fairton	Anderson	Twin furna	1969	4.3	Sat. steam	7	10	5	16	280	22.4 N	N/A	Coal	1560 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Fairton	Anderson	Twin furna	1969	4.3	Sat. steam	7	10	5	16	280	22.4 N	N/A	Coal	1560 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Fairton	Scott	Single furn.	2001	0.3	Sat. steam	0.5	10	0.3	2	100	0.1 N	N/A	Oil	10,900 Litres
Meat Processing / Skins	C111100	Silver Fern Farms	Finegand	John Thompson	Twin drum	1980	18	Sat. steam	22.5	15	10-12	24	200	52.8 N	N/A	Coal	10000 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Finegand	RCR Eaststeel	Bubbling fl	2008	8.5	Sat. steam	12	15	8-10	24	200	43.2 N	N/A	Wood/sludg	16000 M3
Meat Processing / Skins	C111100	Silver Fern Farms	Hawera	Ynis	Single furn.	1984	1.2	Hot water						0.0 N	N/A	CNG	10600 for b GJ
Meat Processing / Skins	C111100	Silver Fern Farms	Hawera	Anderson	Single furn.	1995	1.1	Hot water						0.0 N	N/A	CNG	10600 for b GJ
Meat Processing / Skins	C111100	Silver Fern Farms	Hokitika	Beacon	Water heat	2002	0.6	Hot water			0.6	8	235	1.1 N	N/A	110 Coal	100 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Leathers	Scott	1820 Fire tube	2000	1.65	Sat. steam	2.7	8	0.5	24	360	4.3 N	N/A	CNG	17118 for b GJ
Meat Processing / Skins	C111100	Silver Fern Farms	Leathers	Raypac	EMK 1200	2008	1.2	Hot water			0.8	24	365	7.0 N	N/A	CNG	17118 for b GJ
Meat Processing / Skins	C111100	Silver Fern Farms	Paeroa	Tri Way	static grate	1992	1.5	Hot water		1	1	16	84	1.3 N	N/A	120 Coal	300 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Pacific	Anderson	Single furn.	1976	4.5	Sat. steam	7.4	10	3.5	20	302	21.1 N	N/A	Coal	3387 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Pacific	Anderson	Single furn.	1976	2.3	Sat. steam	3.1	10	1.95	4	302	2.4 N	N/A	CNG	##### Litres
Meat Processing / Skins	C111100	Silver Fern Farms	Pareora	John Thompson	Twin furna	1961	4	Sat. steam	6.55	10.5	3.2	18	225	13.0 N	N/A	Coal	1936 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Pareora	John Thompson	Twin furna	1961	4	Sat. steam	6.55	10.5	3.2	18	225	13.0 N	N/A	Coal	1936 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Pareora	John Thompson	Single furn.	1961	2.35	Sat. steam	3.85	10.5	1.6	12	200	3.8 N	N/A	Coal	968 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Pareora	John Thompson	oil furnace	1970	6.3	Sat. steam	10.2	10.5	0	0	10	0.0 N	N/A	Oil	27500 Litres
Meat Processing / Skins	C111100	Silver Fern Farms	Rotorua	Hoval	Water heat ?		0.234	Hot Water			0.2	12	235	0.6 N	N/A	97 CNG	918 GJ
Meat Processing / Skins	C111100	Silver Fern Farms	Silverstream	Scott	Single furn.	2005	3.5	Sat. steam	5.7	8	6	20	200	24.0 N	N/A	LPG	1490000 Litres
Meat Processing / Skins	C111100	Silver Fern Farms	Takapau	Anderson	Single furn ??		3.35	Sat. steam	5.4	9	2	22	220	9.7 N	N/A	CNG	Unreliable d GJ

Meat Processing / Skins	C111100	Silver Fern Farms	Takapau	Steampac	Single furn.	1981	1.2 Sat. steam	Unknown	9.5	0.6	22	220	2.9 N	N/A	CNG	Unreliable d GJ	
Meat Processing / Skins	C111100	Silver Fern Farms	Takapau	Aquatherm	Water heat	2010	1.5 Hot water		2	1	24	220	5.3 N	N/A	97 CNG	Unreliable d GJ	
Meat Processing / Skins	C111100	Silver Fern Farms	Takapau	Centrometal	Water heat	2010	1.5 Hot water		2	1	24	220	5.3 N	N/A	97 CNG	Unreliable d GJ	
Meat Processing / Skins	C111100	Silver Fern Farms	Takapau	Aquaheat	Redundant		0.4 Hot water						0.0 N	N/A	CNG	GJ	
Meat Processing / Skins	C111100	Silver Fern Farms	Te Aroha	Tri Way	static grate	1991	2 Hot water		3	1.2	2	23	200	9.2 N	N/A	120 Coal	1000 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Vital	Scott	Single furnace fire tube		0.42 Sat. steam		0.7				0.0 N	N/A	Diesel	Litres	
Meat Processing / Skins	C111100	Silver Fern Farms	Waitane	B+W	Single furn.	1997	2.2 Sat. steam		3.5	9	2	14	175	4.9 N	N/A	Coal	900 Tonnes
Meat Processing / Skins	C111100	Silver Fern Farms	Waitane	Scott Taylor	Single furn.	1986	0.9 Sat. steam		1.5	9	1	2	175	0.4 N	N/A	Coal	70 Tonnes
Meat Processing / Skins	C111100	Waitotara	Ynis	EM2905	Water heat	1990	3 Hot water		3	2	24	330	15.8 N	N/A	15.84 CNG	22561 GJ	
Meat Processing / Skins	C111100	SOUTH PACIFIC MEATS AWARUA	ANDERSON		Firetube	2008	4.5 Saturated Steam		10				27.216		Coal		
Meat Processing / Skins	C111100	SOUTH PACIFIC MEATS AWARUA	SCOTT			1973	1.2 Saturated Steam		9						light oil		
Meat Processing / Skins	C111100	SOUTH PACIFIC MEATS AWARUA	YGNIS			2004	1.5 Hot Water								LPG/Butane		
Meat Processing / Skins	C111100	SOUTH PACIFIC MEATS MALVERN	AQUAHEAT		Firetube	1999	0.6 Hot Water	0.27	3.1						116 LPG/Butane		
Meat Processing / Skins	C111100	TARANAKI ABATTOIR	TARANAKI ABATTOIR	SCOTT	Firetube	1994	1 Saturated Steam		10.3				3.84		186 Gas		
Meat Processing / Skins	C111100	TARANAKI ABATTOIR	TARANAKI ABATTOIR	ANDERSON	Firetube	1994	1 Saturated Steam		10.3				2.16		186 Gas		
Meat Processing / Skins	C111100	TAYLOR PRESTON LTD KIWI POINT	SCOTT			1994	1 Steam	1.81	10.34				8.568		Gas		
Meat Processing / Skins	C111100	TAYLOR PRESTON LTD KIWI POINT	ELCO				2.2 Hot Water						18.8496		60 Gas		
Meat Processing / Skins	C111100	TAYLOR PRESTON LTD KIWI POINT	AQUATHERM			1990	0.97 Hot Water		5				8.31096		91 Gas		
Meat Processing / Skins	C111100	TAYLOR PRESTON LTD KIWI POINT	AQUATHERM			1990	0.97 Hot Water		5				8.31096		91 Gas		
Meat Processing / Skins	C111100	TAYLOR PRESTON LTD KIWI POINT	HOVAL			1992	2.68						22.512		108 Gas		
Meat Processing / Skins	C111100	TAYLOR PRESTON LTD KIWI POINT	HOVAL			1992	2.68						22.512		108 Gas		
Meat Processing / Skins	C111100	TE KUITI MEAT PROCESSORS LTD	TE KUITI MEAT PROCESSORS LTD	ANDERSON		1997	6 Saturated Steam		8				30.24		Gas		
Meat Processing / Skins	C111100	TE KUITI MEAT PROCESSORS LTD	TE KUITI MEAT PROCESSORS LTD				2 Hot Water								Gas		
Meat Processing / Skins	C111200	TEGEL FOODS	TAIHAPE BOILERS	VEKOS POWERMASTER ANDERSON	Firetube		1.7 Saturated Steam	2.72	4.5						156 Coal		
Meat Processing / Skins	C111200	TEGEL FOODS	TAIHAPE BOILERS		Firetube		1.1 Saturated Steam	1.81	4.5						156 Coal		
Meat Processing / Skins	C111200	TEGEL FOODS	CARMEN ROAD CHCH	SCOTT COMBUSTION ANDERSON	Firetube	1970	1.4 Saturated Steam	1.81	10				5.824		184 Oil/Diesel		
Meat Processing / Skins	C111200	TEGEL FOODS	FEEDMILL & PROCESSING PLANT	ANDERSON		1978	0.4 Saturated Steam		10				2.7456		light oil		
Meat Processing / Skins	C111200	TEGEL FOODS	TEGEL FOODS BELL BLOCK	ANDERSON	Watertube	1987	1 Steam		10.34				6.24		185 Gas		

Meat Processing / Skins	C111200	TEGEL FOODS	TEGEL FOODS BELL BLOCK	ANDERSON		Watertube	1973	1.4 Saturated Steam	1.8	10.3					186 Gas	
Meat Processing / Skins	C111200	TEGEL FOODS	TEGEL FOODS HENDERSON				2006	2.8 Heated Oil						24.4608	280 Gas	
Meat Processing / Skins	C111200	TEGEL FOODS	TEGEL FOODS HENDERSON	YGNIS			1998	0.9 Hot Water			2	24	364	5.616	90 Gas	
Meat Processing / Skins	C111200	TEGEL FOODS	TEGEL FOODS HENDERSON	YGNIS		Watertube	1998	0.3 Hot Water				24	364	0.78	77 Gas	
Meat Processing / Skins	C111200	TEGEL FOODS	CARMEN ROAD CHCH	SCOTT		Firetube	1970	1.4 Saturated Steam	1.81	10				5.824	184 Oil/Diesel	
Meat Processing / Skins	C111200	TEGEL FOODS	CARMEN ROAD CHCH	SCOTT		Firetube	1970	1.4 Saturated Steam	1.81	10				5.824	184 Oil/Diesel	
Meat Processing / Skins	C111200	TEGEL FOODS	CARMEN ROAD CHCH	SCOTT		Firetube	1970	1.4 Saturated Steam	1.81	10				5.824	184 Oil/Diesel	
Meat Processing / Skins	C111200	TEGEL FOODS	CARMEN ROAD CHCH	SCOTT		Firetube	1970	1.4 Saturated Steam	1.81	10				5.824	184 Oil/Diesel	
Meat Processing / Skins	C111200	TEGEL FOODS	CARMEN ROAD CHCH	SCOTT		Firetube	1970	1.4 Saturated Steam	1.81	10				5.824	184 Oil/Diesel	
Meat Processing / Skins	C111100	UNIVERSAL BEEF PACKERS	UNIVERSAL BEEF PACKERS	AQUAHEAT		Firetube	2004	0.6 Hot Water						3.672	82 Gas	
Meat Processing / Skins	C111100	UNIVERSAL BEEF PACKERS	UNIVERSAL BEEF PACKERS	AQUATHER M		Firetube	2000	0.75 Hot Water						5.508	90 Gas	
Meat Processing / Skins	C111100	WALLACE CORP	WALTOA	AQUATHER M		Firetube	1988	2.25 Hot Water						13.284	88 Gas	
Meat Processing / Skins	C111100	WALLACE CORP	THAMES	AQUATHER M		Firetube	2003	3 Hot Water						9.504	88 LPG/Butane	
Meat Processing / Skins	C111100	WALLACE CORP	THAMES	AQUATHER M		Firetube	2002	1.1 Hot Water							88 LPG/Butane	

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
		Miscellaneous																				
Aggregate		Hynds Pipe Systems Ltd	Hynds Pipe Systems					0.58						20					Natural gas			
Aggregate	B0919	Hynds Pipe Systems Ltd	Hynds Pipe Systems					1.13						20	286	no			Natural gas			
Aggregate	B0919	James Hardie	James Hardie					6.00						10	286	no			Natural gas			
Automotive	B0919	Bridgeman Street Panelbeaters	64 Bridgeman Street Dunedin												260	no					litres	
Automotive	S941200																		Diesel	12000?		litres
Automotive	S941200	Broughton Street Paint and Panelbeaters	117 Broughton Street Dunedin																Diesel	73000?		cubic metres
Automotive	S941200	Collision City Cooke Howlison Toyota	205 Andersons Bay Rd Dunedin Cnr Carrol and Hope Streets Dunedin					0.14 0.15											piped gas	14000?		litres
Automotive	S941200	Dunedin Auto Painters	29 McGlashan St Mosgiel Dunedin																Diesel	5000?		cubic metres
Automotive	S941200																		piped gas	14000?		litres
Automotive	S941	Fuji Automotive Harrow Motor Body Works	King Edward Street 26 Wilkie St Dunedin					0.15											Diesel	400?		litres
Automotive	S941200	Thomson's Panelbeating	Castle St Dunedin					0.149 0.2											Diesel Diesel	10000? 2400?		litres
Banking	S941200	BNZ Building Westpac Banking Corp	266 Trafalgar St Nelson Princes Street Dunedin					1.7											Diesel	3?		tonnes litres
Banking	S9551	LSG Sky Chefs NZ Ltd	LSG Sky Chefs																Diesel Natural gas			
Caterers	H4513	LSG Sky Chefs NZ Ltd	LSG Sky Chefs					1.2					12	365		no			Natural gas			
Caterers	H4513	Amcor Beverage Can (Australia) Ltd	Ash Rd					1.2 0.45					12 24	365 364		no			Natural gas			
Chemical		Amcor Flexibles Australasia (Amcor Packaging (NZ) Ltd)	Amcor Flexible Packaging					0.30							0				Natural Gas			
Chemical		Barnes Plastics (Huntsman Chemical Company NZ Ltd)						1.30					21	208					Natural gas			
chemical	F3323	Barnes Plastics (Huntsman Chemical Company NZ Ltd)						1.40					21	208					Natural gas			
chemical	F3323	Bio-diesel Oils Ltd	Solvent Services Ltd					1.70											Natural gas			
chemical		Chemcolour Industries (NZ) Ltd	Chemcolour Industries					0.3					10	260					Natural gas			
Chemical	F3323	Godfrey Hirst (NZ) Ltd	Godfrey Hirst					0.20					10	260					Natural gas			
Chemical		Henkel NZ Ltd	Henkel NZ Ltd					0.69					4	0					Natural gas			
Chemical		J Gadsden (NZ) Ltd (Visy Rigid Packaging (NZ) Ltd)	Visy Rigid Packaging (NZ) Ltd										24	260					Natural gas			
Chemical		Keep It Clean Limited																				
Chemical	F3323		Dunedin	Vekos				1.5											Coal	2400?	For 3 tonnes	

Keep It Clean Limited																			
Chemical	F3323	3M NZ Ltd	Dunedin 3M NZ - Glenfield	Scott Taylor	1.5					Coal	5126200 kWhr p/a								
Chemical		Nufarm Health & Sciences (Nufarm NZ Ltd)	Nufarm Health & Sciences		1.2	24	365	2	130	natural gas									
Chemical		Nufarm Ltd	Nufarm		1.16	6	204			Diesel									
Chemical		Nuplex Industries Ltd	Nuplex - Onehunga			24	260			Natural gas									
Chemical		Nuplex Industries Ltd	Nuplex - Penrose			12	10			Natural gas									
Chemical		New Zealand Foam Latex L Primaxa Ltd	Christchurch, 8002 Koppers Arch Ltd (Primaxa)		3.5 0.9	8	260			Diesel							wood		
Chemical		PSM Healthcare Ltd	PSM Healthcare		1.20	15.5	312			Natural gas									
Chemical		Rohm & Haas N Z Ltd	Rohm & Haas, 8-26 Beach Rd			24	255			Natural gas									
Chemical		Skellerup Industries Ltd	Skellerup Industries		1.14	20	52			Natural gas									
Chemical		Manukau Shopping Centre Westfield Manukau City Ltd	Westfield Manukau		0.75				273	no	Diesel								
commercial centres		Manukau Shopping Centre Westfield Manukau City Ltd	Westfield Manukau		0.75				273	no	Diesel								
Engineering		Air NZ Ltd	Engineering Division		1.7	24	156			natural gas									
Engineering		Air NZ Ltd	Engineering Division		1.7	24	299			natural gas									
Engineering		SIMS Engineering	Birch St Dunedin														litres		
Engineering		SIMS Engineering	Birch St Dunedin														litres		
Food/Animal Products		Ottagi NZ Ltd	76 Rangī Road Takanini Papakura District		4	6	260			LPG	2600000?								
Laundry & Dry	S953100	Alco Nelson Laundry	5 Parere St Nelson	Vekos						natural gas					No	Coal	360?	tonnes	25?
Laundry & Dry	S953100	J.A. McCallum & Son Ltd Preens Dry Cleaners	Kitchener Street Dunedin		0.9													litres	
Laundry & Dry	S953100	CSP Coating Systems Ltd (Fletcher Steel Ltd)	CSP Coating Systems Ltd		0.792	24				LFO	210000?								
Metal		East Tamaki Galvanising Ltd	East Tamaki Galvanising Ltd		0.19	12	264			no	Natural gas								
Metal		Fletcher Steel Ltd	Fletcher Steel - 21 Beach Rd			24	260			no	Natural gas								
Metal		Fletcher Steel Ltd	Fletcher Steel - 21 Beach Rd	Anderson	1.7		312			no	Natural gas								
Metal		Franklin Machinery Ltd (Gallagher Group Ltd)	Franklin Machinery Ltd	Anderson	1.7	24	312			no	Natural gas								
Metal		Amcor Cartons Australasia Ltd	Amcor Cartons		0.011 6.00	12	260			no	Natural gas								
Pulp, Paper and Cardboard	C15					24	260			no	Natural gas								
							260			no									

Pulp, Paper and Cardboard	C15	Carter Holt Harvey	Packaging Case Division	4.50	16				Natural gas		
Pulp, Paper and Cardboard		J Gadsden (NZ) Ltd (Visy Board (NZ) Ltd)	Visy Board NZ Ltd	4.00	20	260	no		Natural gas		
	C15	Designer Textiles Ltd	Designer Textiles	5.68	16	260	no		Natural gas		
Textiles		Manukau Knitting Mills	Manukau Knitting Mills	1.80	11	286	no		Natural gas		
Textiles	C134000	Manukau Knitting Mills	Manukau Knitting Mills	1.34	11	260	no		Natural gas		
Textiles	C134000	Manukau Knitting Mills	Manukau Knitting Mills	1.34	11	260	no		Natural gas		
Textiles	C134000	Summit Wool Spinners	Weaver St Oamaru	7.1		260	no		Coal	1320?	tonnes
Textiles		Envirowaste Technical Services Ltd		1.7			no		Waste oil		
Waste		International Waste Ltd	Sterilisation Solutions	0.6	8	260	no		Natural gas		
Waste		Medismart Ltd	Nuplex Medismart	3.10	24	364	no		Natural gas		
Waste		Medismart Ltd	Nuplex Medismart		8	260	no		LPG		
Waste		Watercare Services Ltd	Watercare - Mangere Sewage Treatment Plant						Biogas		
waste	D281200	Watercare Services Ltd	Watercare - Mangere Sewage Treatment Plant	2.50	24	365	no		Biogas		
waste	D281200	Watercare Services Ltd	Watercare - Mangere Sewage Treatment Plant	2.40	24	365	no		Biogas		
waste	D281200	Otago Museum Trust Board	Great King Street Dunedin	2.50	24	365	no				
		AMP Building	Princes St Dunedin	0.4					LPG		litres
		Apparelmaster - Preens Ltd	Wharf Street Dunedin	0.3					Diesel	8000?	litres
		D C Ross Ltd	570 Kaikorai Valley Road Dunedin	0.4					LFO	210000?	litres
		Dunedin Casinos		0.35					Diesel	13000?	
		Dunedin Casinos		0.35					LPG		
		Dunedin Gasworks							LPG		
		Museum Trust	20 Braemar Street						Wood waste	3000?	tonnes
		Forsyth Barr House	165 Stuart St Dunedin								litres
									Diesel	17000?	

Fulton Hogan Ltd - Nelson	121 Bok Rd Nelson				LFO	120,000 litres
Grant James Ltd t/a Pinewood Lodge			0.1		wood	
Grant James Ltd t/a Pinewood Lodge			0.15		wood	
GreenTank Limited					Diesel	
	Broughton Street Dunedin		0.15			
Humes Pipeline Systems		2008	0.5			
		consented				
	110 Mere Rd Fernhill Hastings				Diesel	
J. A. McCallum & Son Ltd	Invercargill, 9810				wood	
Liqueo Bulk Storage	Vekos	2009	1.2			
		consented				
	Port of Napier				Diesel	
LJ Hooker	10 Centennial Avenue, Alexandra		0.12		Diesel	
Solid Energy					Coal	
	Stockton Mine near Westport					
Telecom New Zealand Ltd	Tennyson Street		0.23			tonnes
	Dunedin				Coal	20?
Valley Industries Ltd	151 Kaikorai Valley					litres
	Road Dunedin				LFO	26000?
Wickliffe Press Ltd	Clyde St Dunedin					litres
					Diesel	33,000?

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
Other Manufacturing		Other Manufacturing Air NZ Engineering	Christchurch																* Pellets			
Other Manufacturing	C131	Allied Farmers Wools																				
Other Manufacturing		ALSCO	ALSCO INVERCARGILL	VEKOS		Watertube	2006	4.5	Saturated Steam		10				11.7				Lignite			
Other Manufacturing		ALSTOM POWER	X																			
Other Manufacturing	C131	Aotearoa Wools																				
Other Manufacturing	C131	Ascot Wools																				
Other Manufacturing	C131	Associated Wool Exporters																				
Other Manufacturing		BALLANCE AGRICULTURAL NUTRIENTS LTD	KAPUNI	DELTEK		Waterwall	2004	18	Saturated Steam	36	28				157.248				232			
Other Manufacturing		BALLANCE AGRICULTURAL NUTRIENTS LTD	KAPUNI	UNKNOWN USA		Watertube	1982	11	Saturated Steam	21.6	28				96.096				232 Gas			
Other Manufacturing		BALLANCE AGRICULTURAL NUTRIENTS LTD	KAPUNI	ANDERSON		Watertube	1982	19	Saturated Steam	25.2	32				165.984				293 Gas			
Other Manufacturing		BALLANCE AGRICULTURAL NUTRIENTS LTD	KAPUNI			Waterwall	1995	6		10.8	2								120			
Other Manufacturing		BALLANCE AGRICULTURAL NUTRIENTS LTD	MT MAUNGANUI	JOHN THOMPSON		Firetube	1984	20	Superheated Steam		50				164.64		32930000		390 Sulphur			
Other Manufacturing		BALLANCE AGRICULTURAL NUTRIENTS LTD	MT MAUNGANUI	EASTEEL - STEAMPAC		Firetube	1981	1.4	Saturated Steam		7						32930000		Oil/Diesel			
Other Manufacturing	C131	Bloch & Behrens Wool																				
Other Manufacturing		CANTERBURY CLAY BRICKS	CANTERBURY CLAY BRICKS				1999	2.4							20.9664				Oil/Diesel			
Other Manufacturing	C131	Canterbury Spinners																				
Other Manufacturing	C131100	CANTERBURY WOOL SCOURERS LTD	CANTERBURY WOOL SCOURERS LTD	VEKOS		Watertube	2004	6	Saturated Steam		10				49.392				Coal			
Other Manufacturing	C131100	CANTERBURY WOOL SCOURERS LTD	CANTERBURY WOOL SCOURERS LTD	SCOTT TAYLOR			1995	1.4	Saturated Steam		8				3.0576				Coal			
Other Manufacturing	C131100	CANTERBURY WOOL SCOURERS LTD	CANTERBURY WOOL SCOURERS LTD	SCOTT TAYLOR			1993	1.4	Saturated Steam		8				3.0576				Coal			
Other Manufacturing	C131100	CARTER HOLT HARVEY	KAWERAU TASMAN	COMBUSTION ENGINEERING		Waterwall	1969	160	Superheated Steam	185	44				1344		121800000		385 Black liquor			
Other Manufacturing	C131100	CARTER HOLT HARVEY	KAWERAU TASMAN	INTERNATIONAL		Waterwall	1955	63	Superheated Steam	70	45				539.784		121800000		400 Hog fuel			
Other Manufacturing	C131100	CARTER HOLT HARVEY	KAWERAU TASMAN	COMBUSTION ENGINEERING		Waterwall	1955	63	Superheated Steam	70	45				539.784		121800000		400 Hog fuel			
Other Manufacturing	C131	CAVALIER BREMWORTH	AWATOTO	VEKOS		Firetube	1980	4.9	Saturated Steam	7.71	10				28.224				Coal			
Other Manufacturing	C131	CAVALIER BREMWORTH	AWATOTO	VEKOS		Firetube	1980	4.9	Saturated Steam	7.71	10				28.224				Coal			

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		LASRA (New Zealand Leather and Shoe Research Association)		
organisations/ Government	M6910	National Institute of Water and Atmospheric Research (NIWA)		
organisations/ Government	M6910	National Institute of Water and Atmospheric Research (NIWA)		
organisations/ Government	M6910	National Institute of Water and Atmospheric Research (NIWA)		
organisations/ Government	M6910	National Institute of Water and Atmospheric Research (NIWA)		
organisations/ Government	M6910	National Institute of Water and Atmospheric Research (NIWA)		
organisations/ Government	M6910	National Institute of Water and Atmospheric Research (NIWA)		
organisations/ Government	M6910	OPUS	gracefield	NO BOILER
organisations/ Government	M6910	SCION	auckland	
organisations/ Government	M6910	SCION	christchurch	
organisations/ Government	M6910	SCION	rotorua	
organisations/ Government	M6910	SCION	wellington - no boiler	NO BOILER
organisations/ Government	M6910	The New Zealand Institute for Plant and Food Research Ltd		
organisations/ Government	M6910	The New Zealand Institute for Plant and Food Research Ltd		
organisations/ Government	M6910	The New Zealand Institute for Plant and Food Research Ltd		
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organisations/ Government	M6910	The New Zealand Institute for Plant and Food Research Ltd		
organisations/ Government	M6910	The New Zealand Institute for Plant and Food Research Ltd		
organisations/ Government	M6910	The New Zealand Institute for Plant and Food Research Ltd	No Boiler	No Boiler
organisations/ Government	M6910	Transport Engineering NZ (TERNZ)	No Boiler	NO BOILER

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/yr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
Education		AORAKI POLYTECHNIC	AORAKI POLYTECHNIC - Timaru	RADCO		coal	1960	0.8	Hot Water				11	180	2.688	yes			80 Coal	90 tonn		24.7 mj/kg
Education	P810201	AORAKI POLYTECHNIC	Ashburton - no boiler	NO BOILER	HP3608																	
Education	P810200	AORAKI POLYTECHNIC	Christchurch - no boiler	NO BOILER																		
Education	P810200	AORAKI POLYTECHNIC	Dunedin - no boiler	NO BOILER																		
Education	P810200	AORAKI POLYTECHNIC	Oamaru - no boiler	NO BOILER																		
Education	P810200	AUCKLAND UNIVERSITY OF TECHNOLOGY	AUCKLAND UNIVERSITY OF TECHNOLOGY	YGNIS			2004	0.6											Gas			
Education	P810200	AUCKLAND UNIVERSITY OF TECHNOLOGY	AUCKLAND UNIVERSITY OF TECHNOLOGY	HOVAL			1989	0.47											Gas			
Education	P810200	AUCKLAND UNIVERSITY OF TECHNOLOGY	AUCKLAND UNIVERSITY OF TECHNOLOGY	HOVAL			1989	0.47											Gas			
Education	P810200	AUCKLAND UNIVERSITY OF TECHNOLOGY	AUCKLAND UNIVERSITY OF TECHNOLOGY	YGNIS			1984	1.9					12	260					Gas			
Education	P810200	AUCKLAND UNIVERSITY OF TECHNOLOGY	AUCKLAND UNIVERSITY OF TECHNOLOGY	YGNIS			1984	1.9					12	260					Gas			
Education	P810200	AUCKLAND UNIVERSITY OF TECHNOLOGY	AUCKLAND UNIVERSITY OF TECHNOLOGY	YGNIS			1997	0.75					12	260					Gas			
Education	P810200	AUCKLAND UNIVERSITY OF TECHNOLOGY	AUCKLAND UNIVERSITY OF TECHNOLOGY	YGNIS			1998	0.6					12	260					Gas			
Education	P810200	AUT	AA block	Heatrite International	HOVAL AYT MK111	Forced draft	1984	0.47					Day time			Yes		75	Gas			
Education	P810200	AUT	AA block	Heatrite International	HOVAL AYT MK111	Forced draft	1984	0.47					Day time			Yes		75	Gas			
Education	P810200	AUT	AA block	Heatrite International	HOVAL AYT MK111	Atmospheric	1985	0.11					24 hours			Yes		75	Gas			
Education	P810200	AUT	AF block	Heatrite International	YGNIS EM 195	Forced draft	1989	0.11					Day time			Yes		75	Gas			
Education	P810200	AUT	AF block	Rendamax	R30	Condensing	2009	0.13					Day time			Yes		40	Gas			
Education	P810200	AUT	AG block	Keston	260	Condensing	2001	0.074					Day time			Yes		40	Gas			
Education	P810200	AUT	AG block	Keston	260	Condensing	2004	0.074					Day time			Yes		75	Gas			
Education	P810200	AUT	AH block	Raypak	868 CHL	Atmospheric	200	0.193					Day time	365/2				75	Gas			
Education	P810200	AUT	AH block	Raypak	868 CHL	Atmospheric	200	0.193					Day time	365/2				75	Gas			
Education	P810200	AUT	AL block	Energy Products Ygnis	Ekco Cuenoid 1600	Forced draft	2005	0.2					Day time			Yes		75	Gas			
Education	P810200	AUT	AR	Pensotti x 2 @50 kW	AURA 49E	Atmospheric	1997	0.1					Day time	365/2				75	Gas			
Education	P810200	AUT	AR	Pensotti x 2 @50 kW	AURA 49E	Atmospheric	1998	0.1					Day time	365/2				75	Gas			
Education	P810200	AUT	AR	Pensotti x 2 @50 kW	AURA 49E	Atmospheric	1999	0.1					Day time	365/2				75	Gas			
Education	P810200	AUT	WE	Rendamax	R3602SB	Condensing	2011	0.8					Day time			Yes		80 - 45	Gas			

Education	P810200	MASSEY UNIVERSITY	WELLINGTON BLOCK 10	AQUATHER M	YGNIS AY600	2000	0.6	Hot Water	2.5	Varies with season					82	Gas				
Education	P810200	MASSEY UNIVERSITY	WELLINGTON BLOCK 10	AQUATHER M	YGNIS AY600	2000	0.6	Hot Water	2.5	Varies with season					82	Gas				
Education	P810200	MASSEY UNIVERSITY	WELLINGTON STUDENT TRUST	AQUATHER M	YGNIS AY300	1993	0.3	Hot Water	2.5						80	Gas				
Education	P810200	MASSEY UNIVERSITY	AUCKLAND	YGNIS		2008	0.35													
Education	P810200	MASSEY UNIVERSITY	AUCKLAND	YGNIS		2008	0.35													
Education	P810200	MASSEY UNIVERSITY	AUCKLAND	YGNIS		2008	0.35													
Education	P810200	MASSEY UNIVERSITY	AUCKLAND	AQUATHER M		2008	0.35													
Education	P810200	MASSEY UNIVERSITY	AUCKLAND	AQUATHER M		2008	0.35													
Education	P810200	MASSEY UNIVERSITY	AUCKLAND	AQUATHER M		2008	0.35													
Education	P810200	MASSEY UNIVERSITY 2	BOILER HOUSE	AQUATHER M YGNIS		Watertube	1995	1.5	Hot Water	3						85	Gas			
Education	P810200	MASSEY UNIVERSITY 2	BOILER HOUSE	AQUATHER M YGNIS		Waterwall	1995	1.5	Hot Water	3						85	Gas			
Education	P810200	MASSEY UNIVERSITY 2	SOCIAL SCIENCE LECTURE	AQUATHER M YGNIS		Watertube	1991	1.2	Hot Water	3						85	Gas			
Education	P810200	MASSEY UNIVERSITY 2	SOCIAL SCIENCE LECTURE	AQUATHER M YGNIS		Watertube	1991	1.2	Hot Water	3						85	Gas			
Education	P810200	MASSEY UNIVERSITY 2	SCIENCE TOWER B	AQUATHER M YGNIS		Watertube	1995	1.5	Hot Water	3						85	Gas			
Education	P810200	MASSEY UNIVERSITY 2	SCIENCE TOWER B	AQUATHER M YGNIS		Watertube	2004	1.5	Hot Water	3						85	Gas			
Education	P810200	MASSEY UNIVERSITY 2	RIDET TOWER	AQUATHER M YGNIS		Firetube	1970	1.2	Saturated Steam	8						175	Gas			
Education	P810100	Nelson Marlborough Institute of Technology	Nelson Campus. 322 Hardy Street.	Aquatherm/ygnis	AY750	Reverse Flame Combusti	2000	0.75		12	150		ü	70	Deisel	27750	Litre			
Education	P810100	Nelson Marlborough Institute of Technology	Nelson Campus. 322 Hardy Street.	Aquatherm/ygnis	AY750	Reverse Flame Combusti	2000	0.75		12	150		ü	70	Deisel	27750	Litre			
Education	P810100	Nelson Marlborough Institute of Technology	Nelson Campus. 322 Hardy Street.	Aquatherm/ygnis	AY250	Reverse Flame Combusti	2000	0.25		14	150		ü	70	Deisel	1350	Litre			
Education	P810100	Nelson Marlborough Institute of Technology	No Boilers in Blenheim	NO BOILER																
Education	P810200	Northland Polytechnic	Raumangs Valley Rd, Norfitec Campus, Whangarei	Aquatherm	AY1500	GAS	1999	1500KW	0.5	0.1	8	120	Yes	Nil	70C	Gas		40		
Education	P810200	Otago Polytechnic																		
Education	P810200	Otago Polytechnic																		
Education	P810100	Southland Institute of Technology	Christchurch - no boiler	NO BOILER																
Education	P810100	Southland Institute of Technology	gore - NO BOILERS	NO BOILER																
Education	P810100	Southland Institute of Technology	160 forth street, Invercargill	Taymac Ltd	Heatpak 6010	under feed coal fire	2011	1.55	coal	0.376	2		Mid Dec -mid March shut down .mid	Monday - Friday	All year	80	coal	163.5	ton	11.75
Education	P810100	Southland Institute of Technology	160 forth street, Invercargill	Taymac Ltd	Heatpak 6010	under feed coal fire	2011	1.55	coal	0.376	2			Monday - Friday	All year	80	coal	163.5	ton	11.75

Education		UNIVERSITY OF AUCKLAND	201E BOILER	HOVAL			1.5	Hot Water								Gas			
Education	P810200	UNIVERSITY OF AUCKLAND	301 LPHW BOILER	YGNIS			1.2	Hot Water								Gas			
Education	P810200	UNIVERSITY OF AUCKLAND	301 LPHW BOILER	YGNIS			1.2	Hot Water								Gas			
Education	P810200	UNIVERSITY OF AUCKLAND	301 LPHW BOILER	YGNIS			0.7	Hot Water								Gas			
Education	P810200	UNIVERSITY OF AUCKLAND	311 HW BOILER	YGNIS			1.5	Hot Water								Gas			
Education	P810200	UNIVERSITY OF AUCKLAND	401 BOILER	YGNIS			0.75	Hot Water								Gas			
Education	P810200	UNIVERSITY OF AUCKLAND	421 BOILER	AQUATHERM YGNIS			1.2	Hot Water								Gas			
Education	P810200	UNIVERSITY OF CANTERBURY	CHRISTCHURCH	MAXITHERM	Watertube	2000	12	Hot Water				36.288				115	Coal		
Education	P810200	UNIVERSITY OF CANTERBURY	CHRISTCHURCH	ANDERSON	Firetube 3 pass	1962	5.7	Saturated Steam		7			19.152				Coal		
Education	P810200	UNIVERSITY OF CANTERBURY	CHRISTCHURCH	ANDERSON			5.7										Coal		
Education	P810200	UNIVERSITY OF OTAGO	CHEMISTRY DEPT	Aquatherm	Firetube	2001	2.3	Hot Water	NA	3.3	1.15 to 2.3	24	20	1.1	No	NA	115 light fuel oil	20000 litre	41,508
Education	P810200	UNIVERSITY OF OTAGO	CHEMISTRY DEPT	Aquatherm	Firetube	2001	2.3	Hot Water	NA	3.3	1.15 to 2.3	24	20	0.7	No	NA	115 Light fuel oil	20000 litre	41,508
Education	P810200	University of Otago Animal Breeding	Mosgiel Dunedin				0.55	HW									Coal	500?	tonnes
Education	P810200	University of Otago Arana Hall	Clyde Street Dunedin			2005	1	Steam									Coal	480?	tonnes
Education	P810200	University of Otago - Carrington Hall	Heriot Row Dunedin				0.3	HW									Coal	100?	tonnes
Education	P810200	University of Otago - Carrington Hall	Heriot Row Dunedin				0.3	HW											
Education	P810200	University of Otago - Carrington Hall	111 Albany Street																
Education	P810200	Victoria University of wellington	Laby	Ygnis			0.95						365	No	0		Gas		
Education	P810200	Victoria University of wellington	Laby	Cuddon			0.95						365	No	0		Gas		
Education	P810200	Victoria University of wellington	Rankine Brown	Ygnis Aquatherm EM 585			0.585						365	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Rankine Brown	Ygnis EM1165			1.165						365	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Kirk	Carbo Fuel PTL 660			0.763						200	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Kirk	Woods 24J									200	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Kirk	Aquatherm Ygn AY750			1.5						200	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Kirk	Rexel 121									200	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Von Zedlitz	Allen Ygnis AY3-16			0.47						365	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Von Zedlitz	Allen Ygnis AY3-16			0.47						365	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Von Zedlitz	Allen Ygnis AY3-160			0.47						365	Yes	0		Gas		
Education	P810200	Victoria University of wellington	Von Zedlitz	Allen Ygnis AY3-161			0.47						365	Yes	0		Gas		

Sector	ANZSIC Code	Company Name	Boiler Site	Boiler Make	Boiler Model No.	Boiler Type	Year Installed	Size MW	Output Type	Maximum Output Amount t/hr	Normal Operating Pressure bar	Normal Operating Output MW	Normal Hours Operated per Day	Normal Days Operated per Year	Boiler Annual Heat Output GWh	Winter Heating Only?	Annual Cogen Elec. Output kWh	Normal Boiler Operating Temperature oC	Fuel Type	Annual Fuel Use for Boiler Only	Fuel Unit	Fuel CV kJ per Fuel Unit
Wood Processing		AHEAD LUMBER	POKENO	SCOTT		Watertube		3.5							29.4				Wood waste, dry sawdust.			
Wood Processing		AHEAD LUMBER	POKENO	Anderson- Veke	121833	Firetube	1998	3.5	Steam				24	350		no			Sawdust/Shavings			
Wood Processing	C141100	ALAN JOHNSTON SAWMILLING	TUATAPERE			Heating plant less than 1																
Wood Processing		ARBOR REMANUFACTURING	MOUNT MAUNGANUI	SCOTT			2000	5.5	Hot Water						46.2				160 Gas			
Wood Processing		ASHBURTON TIMBER	ASHBURTON	MORROW ENGINEERIN G. CHCH			2000	3	Steam						24.192				Sawdust, wet sawdust			
Wood Processing		ATS TIMBER WHOLESALERS	LEVIN			Heating plant less than 1																
Wood Processing		BELFAST TIMBER KILNS LTD	BELFAST	ANDERSON			1964	3.5	High Pressure Hot Water						26.46				167 Coal or waste wood			
Wood Processing		BRIGHTWOOD	OTAUTAU	EASTEEL		Watertube	2003	7	Hot Water						40.32				Shavings & sawdust			
Wood Processing		CAINS TIMBER	KAMO			Heating plant less than 1																
Wood Processing		CARTER HOLT HARVEY	TAUPO	EASTEEL		Firetube	1988	3.4	Hot Water										180 Gas			
Wood Processing		CARTER HOLT HARVEY	MARSDEN POINT LVL	BABCOCK & WILCOX (EASTEEL)		Watertube	2002	18	Steam	32	26				154.224				228 Reject wood, veneer Wood waste			
Wood Processing		CARTER HOLT HARVEY	ASHLEY	JOHN THOMPSON		Heated oil heat exchanger	1994	18	Heated Oil						151.2							
Wood Processing		CARTER HOLT HARVEY	WHAKATANE	JOHN THOMPSON		Watertube	1953	16	Superheated Steam	20.5	31				134.4				370 Coal and hog fuel			
Wood Processing		CARTER HOLT HARVEY	WHAKATANE	JOHN THOMPSON		Watertube	1937	14	Superheated Steam	18	31				117.6				370 Coal			
Wood Processing		CARTER HOLT HARVEY	WHAKATANE	JOHN THOMPSON		Watertube	1937	14	Superheated Steam	18	31				117.6				350 Coal			
Wood Processing		CARTER HOLT HARVEY	WHAKATANE	FOSTER WHEELER (MCKENZIE EASTEEL)		Watertube	1973	34	Superheated Steam	38.6	31								370 Gas			
Wood Processing		CARTER HOLT HARVEY	KOPU	EASTEEL		Firetube	1989	3.6	Hot Water		1.4				29.6352				180 Gas			
Wood Processing		CARTER HOLT HARVEY	TOKOROA	SCOTT		Horizontal 2 pass dryback	1994	2.8	Steam	3.63	10.34				17.472				140 Gas			
Wood Processing		CARTER HOLT HARVEY	CHH ECOPINE NELSON	VULCANO		Heated oil heat exchanger	1986	15	Heated Oil										275 Sawdust & dry shaving			
Wood Processing		CARTER HOLT HARVEY	PUTARURU	MAXITHERM		Firetube	1988	6	Saturated Steam		11				48.384				Sawdust & dry shaving			
Wood Processing		CARTER HOLT HARVEY	PUTARURU	MAXITHERM		Firetube	1988	6	Saturated Steam		11				48.384				Dry wood shavings			
Wood Processing		CARTER HOLT HARVEY	PENROSE			No heating plant																
Wood Processing		CARTER HOLT HARVEY	TAUPO			Geothermal steam		10											Gas			
Wood Processing		CARTER HOLT HARVEY	KAWERAU PROCESSING YARD			Geothermal steam																
Wood Processing		CARTER HOLT HARVEY	ROTORUA BOILER	SCOTT		Firetube	1983	1	Saturated Steam		9								180 Gas			

Wood Processing		CARTER HOLT HARVEY	ROTORUA BOILER	EASTEEL		Firetube	1998	3 Saturated Steam	10						184 Gas	
Wood Processing		CARTER HOLT HARVEY	ROTORUA BOILER	EASTEEL		Firetube	1998	3 Saturated Steam	10						184 Gas	
Wood Processing		CARTER HOLT HARVEY	ROTORUA BOILER	SCOTT		Firetube	1983	1 Saturated Steam	9						180 Gas	
Wood Processing		CARTER HOLT HARVEY	RAINBOW MOUNTAIN KILNS	EASTEEL				10								
Wood Processing	C149300	CARTER HOLT HARVEY	Mt Maunganui Plywood	ANDERSON		Watertube	1983	1.2 Steam	1.8	9		7.2			180 Gas	
Wood Processing	C149300	CARTER HOLT HARVEY	Mt Maunganui Plywood	ANDERSON		Watertube	1983	1.2 Steam	1.8	9		7.2			180 Gas	
Wood Processing	C149300	CARTER HOLT HARVEY	Mt Maunganui Plywood	SCOTT		Watertube	2002	1.2 Steam	1.8	9		7.2			180 Gas	
Wood Processing	C149300	CARTER HOLT HARVEY	Mt Maunganui Plywood	SCOTT		Watertube	1990	1.2 Steam	1.8	9					180 Gas	
Wood Processing	C149300	CARTER HOLT HARVEY	Mt Maunganui Plywood	JOHN THOMPSON			1978	3 Steam	4.54			17.28			Wood waste	
Wood Processing	C149300	CARTER HOLT HARVEY	LAMINEX GROUP KUMEU					20				171.36			Wood waste	
Wood Processing		CARTER HOLT HARVEY	TAUPO					10							Gas	
Wood Processing	C149300	CARTER HOLT HARVEY	LAMINEX GROUP KUMEU	KONUS				0.7 Heated Oil				5.9976			Oil/Diesel	
Wood Processing		CARTER HOLT HARVEY	ROTORUA SAWMILL				2008									
Wood Processing		CARTER HOLT HARVEY	Roundwood Tokoroa	MAXITHERM				3 Steam				25.2			Gas	
Wood Processing		CARTER HOLT HARVEY	Roundwood Tokoroa	EASTEEL				3 Steam				25.2			Gas	
Wood Processing		CARTER HOLT HARVEY	KOPU	EASTEEL		Firetube	2004	6 Hot Water		10					140 Gas	
Wood Processing		CARTER HOLT HARVEY & NORSKE SKOG JV	ENERGYCO	FOSTER WHEELER (MCKENZIE COMBUSTION ENGINEERIN		Watertube	1956	60 Superheated Steam	68	44.8		504			380 Hog and Fuel oil	
Wood Processing		CARTER HOLT HARVEY & NORSKE SKOG JV	ENERGYCO	COMBUSTION ENGINEERIN		Watertube	1956	60 Superheated Steam	68	44.8		504			380 Hog and Fuel oil	
Wood Processing		CARTER HOLT HARVEY KINLEITH	CHH KINLEITH COGEN	JOHN THOMPSON		Eckrohrkessel, bottom	1998	160 Superheated Steam	180	45		1344	280000		400 Woodwaste & gas	
Wood Processing		CARTER HOLT HARVEY KINLEITH	KINLEITH RECOVERY BOILER	COMBUSTION ENGINEERIN		Watertube		180 Steam	140	45		1512			400 Black liquor	
Wood Processing		CARTER HOLT HARVEY KINLEITH	KINLEITH RECOVERY BOILER	COMBUSTION ENGINEERIN		Waterwall	160		188	45		1344			400 Black liquor	
Wood Processing		CARTER HOLT HARVEY KINLEITH	KINLEITH BOILER NO 1	COMBUSTION ENGINEERIN		Waterwall	1970	89 Steam	110	24		747.6			256 Gas	
Wood Processing		CARTER HOLT HARVEY KINLEITH	BOILER 1	KONUS		Heated oil heat exchanger	1984	6 Heated Oil		2					230 Gas	
Wood Processing		CARTER HOLT HARVEY KINLEITH	KINLEITH KILNS			Direct fired heater	1987	10							Gas	
Wood Processing		CARTER HOLT HARVEY KINLEITH	KINLEITH			No heating plant										
Wood Processing		CITY FORESTS MILTON	CITY FORESTS MILTON	VEKOS				4 Hot Water				33.264 no			Kai Point or Shavings	
Wood Processing		CLAYMARK	KATIKATI	EASTEEL	425 AS	Firetube	2005	7 High Pressure Hot Water		7.3 MW	24	330	56,448		700	3100 tonnes Tonnes
Wood Processing		COASTPINE	COASTPINE	JOHN THOMPSON			2000	6 Hot Water		10			51,408		150 Shavings & sawdust	

Wood Processing		LINDSAY & DIXON	TUATAPERE	VEKOS		1963	1.2	Steam		10				10.08		160	Wood waste
Wood Processing		LUMBERCORP NZ	TE KAUWHATA		Heating plant less than 1												
Wood Processing		LUMBERCORP NZ	OHINEWAI		Watertube	2006	4	Steam		10				33.6			Coal
Wood Processing		LUMBERCORP NZ	OHINEWAI			1998	2	Steam		10				16.8			Coal
Wood Processing	C141100	MAMAKU SAWMILLING	MAMAKU SAWMILLING	VEKOS	Watertube	1998	2.75	Hot Water		10.34				22.638			188 Dry wood shavings
Wood Processing	C141100	MAMAKU SAWMILLING	NGONGOTAHA	VEKOS		1980	1.25	Hot Water		10.34							188 Dry wood shavings
Wood Processing	C141100	MAX BIRT SAWMILL	MAX BIRT SAWMILL	MORROW ENGINEERIN G, CHCH VEKOS				2.2 Hot Water						16.632			160 Wood waste
Wood Processing		MCALPINES	RANGIORA		Watertube	1976	2.75	Hot Water	4.32	9				23.1			170 Coal
Wood Processing		MCALPINES	RANGIORA	VEKOS	Firetube	1985	0.9	Hot Water	1.59	10.3				7.56			127 Coal
Wood Processing		MCALPINES	RANGIORA	VEKOS	Watertube	1982	2	Hot Water	3.45	9				16.8			170 Wood waste
Wood Processing		MCALPINES	ROTORUA	COMBUSTIO N ENGINEERIN VEKOS		1978	2	Hot Water						16.128			160 Green sawdust
Wood Processing		MCALPINES	ROTORUA		Watertube	1978	2	Hot Water						16.128			160 Coal
Wood Processing		MIKE LAMBERT LTD	MT MAUNGANUI STH		Heating plant less than 1												
Wood Processing	C141100	MITCHELL BROS SAWMILLERS	DARFIELD	VEKOS		1960	1.2	Hot Water		9				10.08			160 Coal
Wood Processing	C141100	MITCHELL BROS SAWMILLERS	DARFIELD	FOGARTY		2008	3										Wood waste
Wood Processing		MITCHPINE PRODUCTS	MITCHPINE PRODUCTS	VEKOS		1988	4	Saturated Steam		10				23.04			Wood waste
Wood Processing		MITCHPINE PRODUCTS	MITCHPINE PRODUCTS	SCOTT		1988	1	Saturated Steam		10							Oil/Diesel
Wood Processing		MOTUEKA LUMBER	MOTUEKA LUMBER	VEKOS		1963	6.4	Hot Water						51.6096			130 Wood waste
Wood Processing		MOUTERE TIMBER	MOUTERE	ANDERSON	Firetube	1997	5	Hot Water		9				41.16			155 Sawdust & dry shaving
Wood Processing		NASEBY LUMBER	NASEBY		Heating plant less than 1												
Wood Processing		NELSON PINE INDUSTRIES	NELSON	EASTEEL	Watertube	2000	20	Saturated Steam	31	26	16	24	300	161.28	no		650
Wood Processing		NELSON PINE INDUSTRIES	NELSON	Babcock & Wilk	Heated oil heat	1990	25	Heated Oil	8	11	13	24	340	168	no		900
Wood Processing		NELSON PINE INDUSTRIES	NELSON	NEI John Thorn Kablitz grate, 01	exchanger	1985	25	Heated Oil	8	11	13	24	340	168	no		900
Wood Processing		NELSON PINE INDUSTRIES	NELSON	Thermo Produc Kablitz grate, 01	exchanger	1990	35	Heated Oil	14	12	20	24	340	294	no		900
Wood Processing		NELSON PINE INDUSTRIES	NELSON	Bertrams Konu Kablitz grate, 01	exchanger												900
Wood Processing		NEW ZEALAND WOOD MOULDINGS	TAERI	SCOTT	Watertube	1993	8	Hot Water		10				67.2			160 Dry wood shavings
Wood Processing		NEW ZEALAND WOOD MOULDINGS	TAERI	SCOTT		1993		Hot Water		10							Dry wood shavings
Wood Processing	C141100	NGAHERE SAWMILLING	GORE	JOHN THOMPSON	Watertube	1983	3	Hot Water						23.184			150 Lignite
Wood Processing	C141100	NGAHERE SAWMILLING	GORE	SCOTT TAYLOR	Watertube	2002	1	Steam	4.54	8				7.896			160 Lignite

Wood Processing		NIAGARA SAWMILLING	INVERCARGILL	VEKOS, MORROW ENGINEERIN		2001	10	Hot Water		78.96		100	Wood waste	
Wood Processing	C141100	NORTH OTAGO SAWMILLING	OAMARU		No heating plant									
Wood Processing	C141100	NORTHERN PALLETS	HIKURANGI		Heating plant less than 1			Hot Water	4.5			77		
Wood Processing		NORTHPINE LTD	WAIPU	VEKOS		2008	4.2	Saturated Steam	10	35.28			Wood waste	
Wood Processing		NORTHPINE LTD			fire tube			3.5 steam	8	no		700		
Wood Processing		NORTHPINE LTD	SILVERDALE	VEKOS		1978	1	Hot Water	10	8.4		160	Gas	
Wood Processing		NZ SAWN PRODUCTS	NZ SAWN PRODUCTS	EASTEEL		1992	1.5	High Pressure Hot Water		12.6		150	Gas	
Wood Processing		NZ Sawn Products	Maewa Rd Feilding			2009	5	Hot Water					Wood waste	
Wood Processing		OTAGO LUMBER	OTAGO LUMBER	MORROW ENGINEERIN G. CHCH		1985	3.5	Hot Water		29.988		154	Sawdust & dry shaving	
Wood Processing		Otago Lumber	Bush Rd Mosgiel Dunedin			2006	3						Wood waste + Coal	tonnes
Wood Processing		P F OLSEN & CO	P F OLSEN		No heating plant									
Wood Processing		PACIFIC PINE INDUSTRIES	PUTARARU	WATERWIDE HEAT EXCHANGER		1997	2.5	Hot Water		20.16		160	Shavings & sawdust	
Wood Processing		PAN PAC FOREST PRODUCTS LTD	WHIRINAKI	EASTEEL	Waterwall	2002	42	Superheated Steam	60	352.8	58800000	450	Wood waste	
Wood Processing		PAN PAC FOREST PRODUCTS LTD	WHIRINAKI	FOSTER WHEELER (MCKENZIE EASTEEL		1977	19	Saturated Steam	60	159.6	58800000	277	Waste bark, sawdust	
Wood Processing		PAPAKURA TIMBER PROCESSORS LTD	PAPAKURA	EASTEEL	Firetube	1998	2.5	Hot Water		12		164	Gas	
Wood Processing		PINEPAC	PINEPAC	ANDERSON VEKOS	Watertube	1982	1	Steam	10	8.4		160	Planer shavings, sawdust	
Wood Processing		PINEPAC	PINEPAC	ANDERSON VEKOS	Watertube	1981	1		10	8.4		160	Planer shavings, sawdust	
Wood Processing		PINEPAC	PINEPAC	ANDERSON VEKOS	Watertube	1981	1		10	8.4		160	Planer shavings, sawdust	
Wood Processing		PINEPAC	PINEPAC	ANDERSON VEKOS	Watertube	1981	1		10	8.4		160	Planer shavings, sawdust	
Wood Processing		PITZAC	WANGANUI	EASTEEL	Heating plant less than 1	1980		Saturated Steam	1			120	Gas	
Wood Processing		PRESTIGE LUMBER	OHINEWAI		No heating plant									
Wood Processing		PRIME PINE LTD	MOTUEKA	MORROW ENGINEERIN G. CHCH	Triple pass watertube	2001	2.3	Hot Water	10	19.32		160	Sawdust & dry shaving	
Wood Processing		PRIME SAWMILLS	PRIME SAWMILLS	KONUS		1978	5	Heated Oil		39.48			Wood waste	
Wood Processing	C141100	PUKEPINE SAWMILLS	SAWMILL	SCOTT	Watertube	1999	4	Hot Water	7	33.6		160	Green sawdust	
Wood Processing	C141100	PUKEPINE SAWMILLS	MOULDING	VEKOS	Watertube	1983	6	Hot Water	7	50.4		150	Dry wood shavings	
Wood Processing	C141100	PUKEPINE SAWMILLS	SAWMILL BACK UP	EASTEEL HEAT EXCHANGER	Watertube	1988	2	Hot Water	7			160	Gas	
Wood Processing		R H TREGOWETH	R H TREGOWETH	SCOTT	Watertube	1996	2	Hot Water	6.5	10		160	Gas	
Wood Processing		R H TREGOWETH	R H TREGOWETH	SCOTT		2004	4	High Pressure Hot Water	12			170	Wood waste, dry sawdust,	

Wood Processing		STILLWATER LUMBER	STILLWATER LUMBER	COCKRAM		Watertube	1970	3 Saturated Steam	6	24.192		140 Wood waste
Wood Processing		STUART TIMBER COMPANY LTD	TAPANUI	FOGARTY		Direct fired heater	1999	0.5		3.78		Lignite
Wood Processing		SUTHERLAND & CO	KAIAPOI	ANDERSON VEKOS		Waterwall	2001	2.75 Steam	7	24.024		135 Shavings & sawdust
Wood Processing		T & J McILWAINE	T & J McILWAINE				2008					Gas
Wood Processing		T C MILLING LTD	WAIPAWA	NO BOILER		No heating plant						
Wood Processing		TACHIKAWA FOREST PRODUCTS	ROTORUA	EASTEEL		Waterwall	1999	8 Hot Water	13	64.512		160 Wood waste
Wood Processing		TANNER SAWMILLS	Tairua	NO BOILER		No heating plant	2008					
Wood Processing	C141100	TANNER SAWMILLS	Kaitiā	NO BOILER		No heating plant						
Wood Processing	C141100	TANNER SAWMILLS	KEREPEHI	KONUS		Heated oil heat exchanger	1974	4.5 Heated Oil				270 Wood waste
Wood Processing	C141100	TARANAKI SAWMILLS	TARANAKI SAWMILLS	VEKOS		Watertube	1973	4 Hot Water	10	32.256		165 Dry shavings & hog fuel
Wood Processing	C141100	TARANAKI SAWMILLS	TARANAKI SAWMILLS	VEKOS		Watertube	1973	4 Hot Water	10	32.256		165 Dry shavings & hog fuel
Wood Processing	C141100	TARANAKI SAWMILLS	TARANAKI SAWMILLS	ENTEK		Watertube	2008	2.3 Hot Water	10	18.5472		165 Green sawdust
Wood Processing		TENON (previously FLETCHER CHALLENGE FORESTS) TIMBERLANDS WEST COAST LTD	FLETCHER CHALLENGE FORESTS TIMBER LANDS WC	EASTEEL		Firetube	1998	2.2 Saturated Steam	9.9			184 Gas
Wood Processing						No heating plant						
Wood Processing		Tumu Timbers	1215 Maraeakaho Rd Hastings				2007 consented	1.5				Waste oil
Wood Processing		W CRIGHTON & SON	W CRIGHTON & SON	SCOTT		Watertube	1999	3 Hot Water	10	24.192		160 Gas
Wood Processing		WAIMATE TIMBER	WAIMATE			Heating plant less than 1						
Wood Processing	C141100	WAIMEA SAWMILLERS	WAIMEA SAWMILLERS	VEKOS		Watertube	1982	6 Hot Water	11	45.36		162 Sawdust & dry shaving
Wood Processing	C141100	WAIMEA SAWMILLERS	WAIMEA SAWMILLERS				2006	2		15.12		Shavings & sawdust
Wood Processing		WAIPAWA TIMBER SUPPLIES	WAIPAWA TIMBER SUPPLIES	EASTEEL			1996	3 Hot Water	12	25.704		135 Gas
Wood Processing		WAIPAWA TIMBER SUPPLIES	WAIPAWA TIMBER SUPPLIES	SCOTT			2008	1 Saturated Steam	8	8.568		Gas
Wood Processing		WAIROA TIMBER PROCESSORS	WAIROA TIMBER PROCESSORS	FOGARTY			2007	2 Hot Water		16.8		130 Wood waste, dry sawdust,
Wood Processing		WAIROA TIMBER PROCESSORS	WAIROA TIMBER PROCESSORS	FOGARTY			2007	2 Hot Water		16.8		130 Wood waste, dry sawdust
Wood Processing		Wairoa Timber Processors	14 Crarer St Wairoa				2011 consented	2.7				Wood waste/coal
Wood Processing		Wairoa Timber Processors	14 Crarer St Wairoa				2011 consented					Wood waste/coal
Wood Processing	C141100	WAITETI SAWMILLS	WAITETI SAWMILLS	EASTEEL		Watertube	2001	3 Hot Water	7	24.192		160 Sawdust & dry shaving
Wood Processing		WATTS TO MILL	WAIPUKURAU			No heating plant						
Wood Processing	C141100	WAVERLEY SAWMILLS	WAVERLEY	EASTEEL			1997	2 Steam		16.8		Gas

Wood Processing		WE WHILEY & SON	WE WHILEY & SON	JOHN THOMPSON		Watertube	2002	4.5	Hot Water				37.8			150 Planer shavings, sawdust
Wood Processing		WENITA FOREST PRODUCTS	ROSEBANK SAWMILL, BALCLUTHA	SCOTT		Firetube	1994	2	Hot Water		10		16.128			165 Coal
Wood Processing		WESTCO LAGAN				Water tube	2001	4.5	Steam	7.2 6.5 to 8.5	4.5?	24	340	37.8	no	184 *
Wood Processing			Butlers road Ruatapu	Scott												Sawdust, P1 6-10,000 Tc Tonnes
Wood Processing	C141100	WHITTAKER SAWMILLING	MASTERTON	EASTEEL		Watertube		1	Hot Water		10					160 Wood waste
Wood Processing		WILSON BROS TIMBER	TIMARU			No heating plant										
Wood Processing	C15	WINSTONE PULP INTERNATIONAL	TANGIWAI	EASTEEL		Watertube	2001	5	Hot Water		8		40.32			160 Sawdust & dry shaving
Wood Processing	C15	WINSTONE PULP INTERNATIONAL	TANGIWAI	BABCOCK			1987	2	Steam				0			Coal
Wood Processing	C141100	wpi sawmilling														
Forestry management			NO BOILER													
			pf Olsen													
		McVicar Timber Group Ltd	55 John Rd, Christch	Babcock		Firetube	2001	6	6 Mw	1024Kpa	6 Mw	24	340	no		800 degrees C 1 Uses shavings, sawdust, Tonnes