

Course Title - Wood Pellet Boiler Operator Training Course (Small Scale – Schools)

Session 1 – Boiler Conversion

In the last couple of years several schools across New Zealand have converted old coal boilers to run on wood pellets. This session will ensure that owners and operators understand the different characteristics between using these different fuels.

Session 2 – Boiler output Optimisation

Optimising the performance of a boiler reduces running costs and improves site operations. This session will help you get the optimal output from your boiler.

Session 3 – Combustion Characteristics of Wood Pellets

Burning pellets is somewhat different to burning coal:

- Volatiles and their release from pellet burning relative to coal
- Auger delivery speed
- How to maximise air flows
- Fire beds – what they should look like

Session 4 – Basic Boiler Maintenance

Basic boiler maintenance is essential for safe and efficient burning:

- Fuel flows
- Annual maintenance
- Routine efficiency checks

Session 5 – Safety Devices

Safe operation of your system is paramount. This session will identify safe operating conditions and equipment that experts recommend you use as part of safe operation.

Time will be allowed for your questions to be asked of the experts presenting the course.