



Wood Energy South case studies

In 2014, Venture Southland and the Energy Efficiency and Conservation Authority (EECA) launched a three-year initiative called [Wood Energy South](#) focused on establishing a regional cluster of wood energy use in Southland.

Backed by \$1.5 million of government funding, Wood Energy South aims to realise a trifecta of benefits for Southland: lowering energy-related carbon emissions, improving air quality and providing local employment and business opportunities.



Following are a few Case Studies realised from this collaboration:

- **540kW KOB Pryrot base load, wood chip boiler - Manufacturing Slinkskins:** Driving costs out of the business was key to a Southlands tannery's decision to invest in a wood burning technology to power its processes. Read more here - www.usewoodfuel.org.nz/resource/case-study-540kw-kob-pyrot-wood-chip-boiler-manufacturing-slinkskins
- **ETA Hack 220kW wood chip boiler - Donovan Primary School:** A Southland school has seized the opportunity to lead by example with a wood energy project that delivers financial and health and safety benefits. Read more here - www.usewoodfuel.org.nz/resource/case-study-eta-hack-220kw-wood-chip-boiler-donovan-primary-school
- **675kW binder chip boiler - Splash Palace, Invercargill:** For Invercargill's popular water-world, a decision to replace coal-powered boilers with wood burners has delivered regionally, financially and environmentally. Read more here - www.usewoodfuel.org.nz/resource/case-study-675kw-binder-chip-boiler-splash-palace-invercargill
- **Froling 200kW boiler - Takitimu School:** Long-term cost effectiveness, efficiency and environmental sustainability lead Takitimu School to switch from donated coal to wood chips. Read more here - www.usewoodfuel.org.nz/resource/case-study-froling-200kw-boiler-takitimu-school
- **Froling 200kW boiler - Makarewa Primary School:** A victory for forward-thinking, the environmental aspect of this project, while not the major driver, was a significant part of the discussion and the school's eventual decision to choose this boiler. Read more here - www.usewoodfuel.org.nz/resource/case-study-froling-200kw-boiler-makarewa-school

Media Releases:

- **Mossburn School chooses clean wood energy option:** Mossburn School has joined the growing number of southern schools converting to clean burning, efficient wood energy. When considering automating the coal feed system to the boiler the Mossburn School Board looked into other heating options, it was decided that the small extra expense of switching to wood pellet heating was the best option. Read more here - www.bioenergy.org.nz/resource/media-release-mossburn-school-chooses-cleaner-wood-energy-option
- **Gore Rest Home follows the wood energy pathway:** For Parata Rest Home the conversion to wood energy when their lignite boiler required costly repairs was an obvious one. The Board of Trustees had to consider either staying with the lignite option, running the facilities

heating system on diesel or clean burning wood. The Trustees wanted to ensure the system was future proof so lignite was ruled out because of the possibility of future emission charges, as was diesel in addition to its relatively high cost. Read more here - www.bioenergy.org.nz/resource/gore-rest-home-follows-wood-energy-pathway