

Solid biofuel

Solid biofuel includes any biomass derived fuels from wood (wood fuel), agricultural herbaceous biomass (eg miscanthus, straw), and urban wood. In New Zealand reference is often to wood fuel as wood is the largest source of solid biofuel.

Woody or herbaceous biomass resource is readily available throughout New Zealand and Australia. Solid biofuel can be produced from these sustainable resources and sold in a number of types and grades (chip, hog, pellets, briquettes/firelogs, firewood) which need to be matched to combustion equipment design for efficient operation.

The types of fuel are set out in the [Technical Guide 1 - Solid Biofuel Classification Guidelines](#).

There are a number of established solid biofuel suppliers who collect and aggregate the raw biomass resource and process it into a solid biofuel available for supply to end use customers. This Information Sheet sets out the Association's Register of members who are suppliers of solid biofuel.

Commercial/industrial solid biofuel

Commercial or industrial producers of heat may purchase solid biofuel of any type and form necessary to meet the fuel specification for their biomass boiler system.

Bioenergy Association has developed [Technical Guide 6 - Contracting to Deliver Quality Solid Biofuel to Customers](#) which outlines best practice for buying and selling solid biofuel. It includes a *Model Contract for the Sale and Purchase of Solid Biofuel* and is linked to a [Technical Guide 5 - Standard Methods for Verifying the Quality of Solid Biofuels](#) outlining how to verify fuel quality when delivered.

Residential solid biofuel

Biomass fuel for residential water or space heating will generally be either firewood, wood pellets or briquettes/firelogs. Accredited suppliers of firewood provide fit for purpose fuel according to customer requirements eg dry firewood for immediate use, or high moisture fuel which requires drying before use. Wood pellet fuel is produced to the required fuel specification set out in [Technical Guide 1](#).

Accredited suppliers

Bioenergy Association operates a Solid Biofuel Supplier Accreditation Scheme. Accreditation is of suppliers who have demonstrated to an independent third party that they have quality assurance systems in place for reliable and consistent production, storage and delivery of contract specified solid biofuel.

The benefits of accreditation

Purchasers of solid biofuel want to know that the fuel that they have contracted to buy meets their specified requirements. To gain assurance that the fuel meets the specification they need, purchasers may insist on a high degree of independent testing of each load delivered. However independent fuel testing of each load delivered can be expensive which adds to the cost of fuel. Being audited, monitored and accredited by an independent body reduces the amount of testing that would otherwise be required thus significantly reducing the cost of fuel.

Fuel suppliers benefit from having a nationally or internationally recognised and authoritative independent auditing of suppliers that is appropriate to the cost of solid biofuel and the level of risk faced by facility owners, yet does not place an undue administrative burden upon users and suppliers.

Accredited suppliers are covered by the Association's [Professional Standards and Complaints Scheme](#).

The Accreditation Scheme benefits both fuel suppliers and their customers. Customers can be assured of receiving a contract specified solid biofuel product when they buy from suppliers accredited under the Scheme. As customer confidence grows, the sector in turn benefits as more and more users switch to solid biofuel as a viable main-stream fuel. From a supplier's perspective, this means market growth and more sales.

Become an accredited solid biofuel supplier

Information on the Solid Biofuel Supplier Accreditation Scheme is available [here](#).

The documentation for accreditation as a solid biofuel supplier is available from the website www.usewoodfuel.org.nz:

- [Guidance document](#)
- [Application form](#)

Accreditation requires an audit of supporting evidence provided by the supplier of quality assurance processes for the production, storage and delivery of solid biofuel, fuel quality testing methods and customer references. Full details can be found in the scheme's Guidance Document.



Only Accredited suppliers are able to display the Bioenergy Association-Accredited Solid Biofuel Supplier logo to show that they have fulfilled the required standards for delivery specified fuel production and distribution.

Internationally certified fuel

Some Accredited Solid Biofuel Suppliers may have also demonstrated to an international certifying body that they are producing graded fuel that meets a specified fuel standard. The accreditation assessors recognise this product certification and thus do not need to duplicate assessment of the quality assurance process for product manufacture.

International solid biofuel certifying bodies are:

- [ENplus](#)
- DINplus
- Goodchip

Quality assured

Solid Biofuel Suppliers who produce specified solid biofuels which are not internationally certified can be accredited by alternatively demonstrating to the Bioenergy Association Registration Scheme Administrator that they have appropriate quality assurance systems for the production and delivery of those specified solid biofuels. The production of those fuels is self-certified as being quality assured.

Member suppliers

There are a number of members of the association who supply solid biofuels whose production systems have not been independently audited by an international certifier or the Registration Scheme Administrator. Purchasers of fuel from these members must undertake their own enquiries that the supplier's production systems will consistently produce fuel of the required standard.

Professional Standards and Complaints Scheme

All suppliers listed in this register are member of the Bioenergy Association and are thus covered by the association's Professional Standards and Complaints Scheme.

To ensure the integrity of solid biofuel supply it is important that the Bioenergy Association is aware of the experiences of solid biofuel customers. In the unlikely event that issues about fuel quality by a member should arise then the Solid Biofuel Accreditation Scheme Administrator should be advised.

The Scheme Administrator can offer advice to help resolve any on-going problem. In a worse case situation a formal complaint can be referred to the association's [Professional Standards and Complaints Committee](#) .

If you have purchased from a Bioenergy Association member they must also comply with the Association's Member's [Code of Conduct](#).

Register of New Zealand¹ / Australia Accredited Biomass Fuel Suppliers

Accredited Supplier ²	Area supplied	Wood pellets	Hog fuel	Chip	Shavings/sawdust	Briquettes/firelogs	Firewood
Canterbury Woodchip Supplies Contact: Sam Lees E: sam.l@canterburywoodchip.co.nz Company profile 	Canterbury, Otago		✓	✓	✓	✓	
Nature's Flame Contact: Scott Fairbairn E: gerard.dobbs@naturesflame.co.nz Company profile 	New Zealand nationwide Australia nationwide	✓*					
Pioneer Energy Contact: Richard Ireland E: richard.ireland@pioneerenergy.co.nz Company profile 	New Zealand nationwide		✓	✓	✓		
Steve Murphy Ltd Contact: Steve Murphy E: steve@sml.co.nz Company profile 	Canterbury		✓	✓	✓		
Wood Energy New Zealand Contact: Richard Ireland E: richard.ireland@pioneerenergy.co.nz Company profile	New Zealand nationwide		✓	✓	✓		

* International quality marks (ENplus, DINplus, Goodchips, Woodsure)

¹ All accredited suppliers have a quality assurance system which is independently audited, and suppliers are covered by the Bioenergy Association Complaints process

² <https://www.usewoodfuel.org.nz/resource/tnsb04-solid-biofuel-supplier-registration-scheme>

Member Supplier ³	Area supplied	Wood pellets	Hog fuel	Chip	Shavings/sawdust	Briquettes/firelogs	Firewood
City Firewood Contact: Robbie Harris E: robbie@cityfirewood.co.nz Company profile	Canterbury						✓
Envirochip Ltd Contact: Sam Newman E: sam.newmancontracting@gmail.com Company profile	Northland		✓				
Goodwood Contact: Martha Saunders E: martha@goodwoodnz.co.nz Company profile	Bay of Plenty			✓			✓
Green Gorilla Contact: R Harris E: rharris@kalista.co.nz Company profile	Auckland, Northland			✓			
Hogfuel NZ Contact: Ross Lamborn E: ross@hogfuel.nz Company profile	Hawkes Bay		✓				
One Forty One Contact: Tracy Goss E: Tracy.Goss@onefortyone.co.nz Company profile	Northern South Island		✓	✓	✓		✓

³ Member suppliers are not Accredited but are covered by the Bioenergy Association Complaints Process. Some suppliers have wood fuel retailers nationwide – check their website

Member Supplier (contd.) ⁴	Area supplied	Wood pellets	Hog fuel	Chip	Shavings/sawdust	Briquettes/firelogs	Firewood
OTC Timber Contact: Nigel Wilshier E: Nigel@otctimber.co.nz Company profile	 South Waikato			✓	✓		✓
Renewable Wood Fuels Contact: Adrian Broughton E: adrianb@wpine.co.nz Company profile	Northland	✓					
Return2Earth Contact: Russell How E: russell@return2earth.co.nz Company profile	 Taranaki			✓			✓

⁴ Member suppliers are not Accredited but are covered by the Bioenergy Association Complaints Process. Some suppliers have wood fuel retailers nationwide – check their website