



## Walter Cameron Way, Hanover Housing Assoc.

### Biomass heating for a sheltered housing scheme supported by a Heat Supply plan.

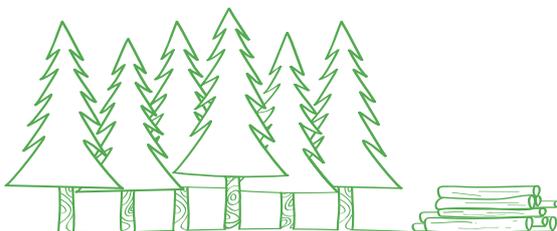
Situated in Corpach, near Fort William, and enjoying dramatic views to Ben Nevis, Walter Cameron Way comprises 23 units and provides sheltered housing to a range of residents. The 16 flats and 7 cottages were previously served by a central oil fired boiler. As part of their commitment to enhancing sustainability and generating energy cost savings, Hanover Housing wanted to explore the potential for installing a biomass heating system.

#### A complete solution

HWenergy took the project from design stage all the way through to completion and now manage the ongoing supply of heat to Hanover Housing. The project involved the design of the system, handling the planning application, all civil engineering works including the excavation and retention of the small hill, the construction of the plinth and the excavation and reinstatement of the trench for the district heating network.

### Facts and figures

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|-----------------------------|---|
| <b>System and solution:</b> | 100kW biomass boiler with spring agitator fuel out feeder and accumulator heat storage capacity. Wood clad packaged unit with inbuilt fuel store. Underground pipe interface to existing boiler room. |
| <b>Fuel demand:</b>         | 120 tonnes per annum of seasoned wood chip, included as part of a heat supply agreement that includes all servicing, maintenance and performance guarantees.  |
| <b>Fuel delivery:</b>       | Blown or Tipped from high lift trailer.   |
| <b>CO2 savings:</b>         | 100 tonnes per annum  |
| <b>Cost saving:</b>         | 40% saving against oil  |



# Making biomass heat work for you



## Project details

### A complete solution cont'd.

The packaged Biomass Heat Cabin was constructed off-site before being delivered and connected into the existing heating infrastructure. The controls have been modified to ensure that the biomass boiler delivers as much of the heat load as possible with the existing oil boilers being retained to provide peak load and back-up heating when required.

### Hassle-free heating

On an ongoing basis Hanover Housing purchases 'heat' from HWEnergy. The Heat Supply contract includes all elements required to make the project a success and minimises the input required from the client. This includes fuel, routine maintenance, technical servicing and boiler 'MOT', troubleshooting and annual management and performance reports.

Performance guarantees are built into the contract so that if the system is not delivering heat then Hanover Housing receives financial recompense. This approach minimises the risk and the time input for Hanover Housing and ensures a single point of accountability for all aspects of the system performance.

*" Hanover Housing have ambitious targets to reduce our carbon emissions and increase our sustainability. This project has been excellent for us as it has allowed us to deliver a 40% reduction in our heating costs as well as saving around 100 tonnes of CO2 per annum.*

*We purchase heat from HWEnergy which means we don't have to worry about sourcing fuel or undertaking any maintenance or servicing. Because we only pay for the heat the boiler produces we have minimised our risk and performance guarantees are built into the contract.*

*We are very pleased with the service that HWEnergy provides and enjoy a real 'partnership' with them. "*

*Alan Baird, Hanover Housing*



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