

**Proposed development of a Renewable Energy Combined Heat and Power Plant and associated wood chip and shavings production facility at the former Oran site at Lambhill Farm, Blairingone.**



## Introduction

Lambhill Energy (LHE), a newly formed company, are intending to submit a planning application for the proposed project to Perth & Kinross Planning Authority within the next few weeks.

The purpose of this document is to communicate LHE's proposals to the neighbouring community and hopefully to allay any concerns that might arise from not having the relevant details and information readily available to them.

The proposed development comprises two interrelated activities, namely a **renewable energy combined heat and power (CHP) plant** generating electricity and heat using virgin, small round wood chips as the fuel feedstock and, a **facility to produce high quality wood shavings for the animal bedding market.**

Please note that this is **NOT** a waste processing facility. The plant does not have the capability to process waste and the necessary consent to incinerate waste is not being sought.

## What will be produced on site

The CHP plant will produce electricity and heat. The technology to be used is an advanced pyrolysis process, producing syngas which then fuels an engine to generate power and heat as a bi-product. All the heat produced plus some of the electricity, will be used by the shavings plant. Power generated in excess of the on-site requirements will be sold into the local distribution network via the existing sub-station within the site.

It is hoped that at least 80% of the heat generated, in the form of hot water, will be utilised in a belt drier for drying wood shavings produced on site or for the production of "dry" wood chips. Further opportunities will be sought to maximise the use of available heat, e.g. possibility of drying of grain, sawdust etc.

Utilising the 'green' power and heat as described will result in a carbon saving of **c.11,000 tonnes** per annum versus the use of traditional fossil fuel.

## The Site Operation

The site operations are 24/7 but measures will be taken to minimise impact to the local community. In terms of traffic movements on to and off the site, these will be programmed to avoid, wherever possible, movements between the hours of 8pm and 7am. The daily average number of traffic movements across the year (in + out) is forecast to be less than 30 and the majority of these are likely to approach and leave the site to the south, i.e. avoiding passing through Blairingone itself.

Likewise, movements of vehicles on site during these periods will be minimised. Measures will include for example; sufficient fuel storage for the CHP plant so that there is no need to attend to this aspect outside an 8am to 8pm 'window', FLT movements overnight to be kept inside the animal bedding building, i.e. no trailer loading.

Individual pieces of plant and/or their building enclosures will be acoustically insulated to minimise the possibility of noise nuisance, where applicable, and to comply with Environmental Health requirements.

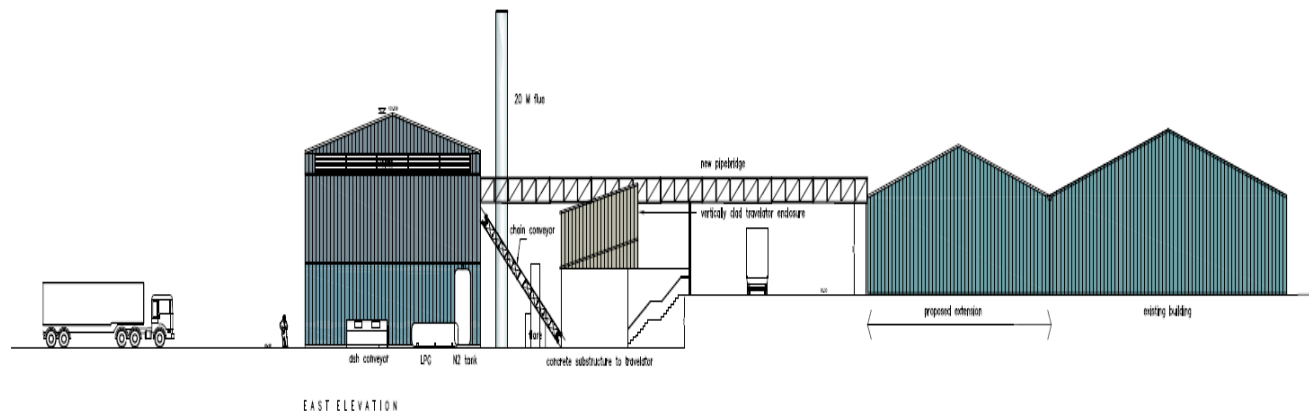
The operation will create between **12-18 new jobs**, a mix of management, skilled and unskilled positions.

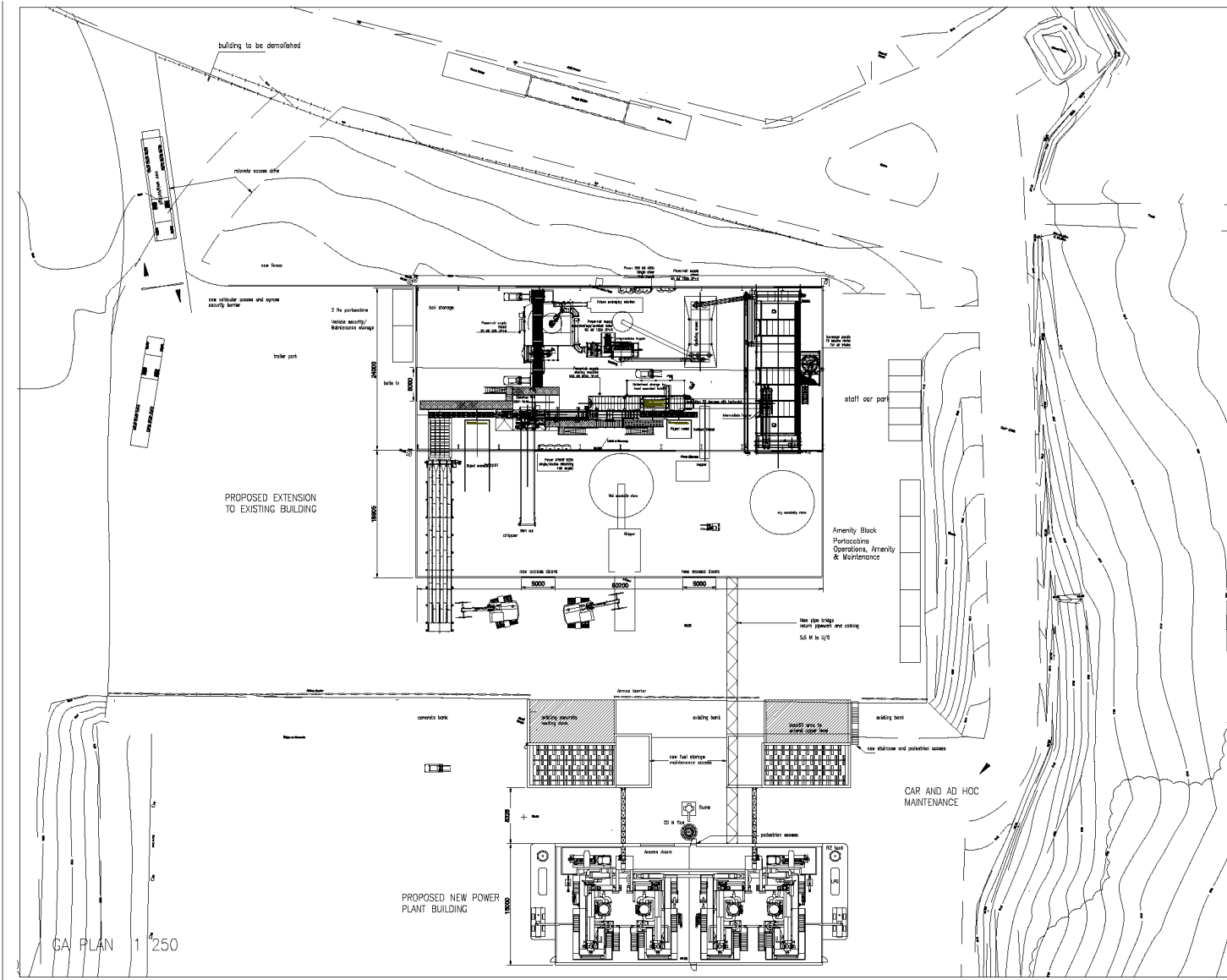
Finally, the wood for the operation will be sourced, subject to on going availability and economic pricing, from Scottish forests. We are in final negotiations with a major, and highly respected, private forestry company for the supply of wood and this will be sourced and managed in accordance with industry best practice and sustainability and quality assurance standards.

# Appearance

Every effort has been made to minimise the visual impact of the scheme. The existing building on site has been reused to house the main animal bedding production facility, albeit that there is a need to widen the building. This will be extended on the eastern elevation, with the new roofline being kept below that of the existing ridgeline; effectively concealing its presence from Blairingone village.

With the same principle in mind, the CHP plant has been located on the lower slab level, minimising its appearance from all local residential properties. The flues have been combined into a single stack with a minimum height commensurate with meeting emission standards. The natural contours around the site and growing tree line help make the development as unobtrusive as possible.





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PLANNING

REV.	DATE	AMENDMENT	BY
CLIENT			
AIM ENERGY LTD			
PROJECT			
Power Plant Lambhill Scotland			
DRAWING TITLE			
Block Plan Scheme 3			



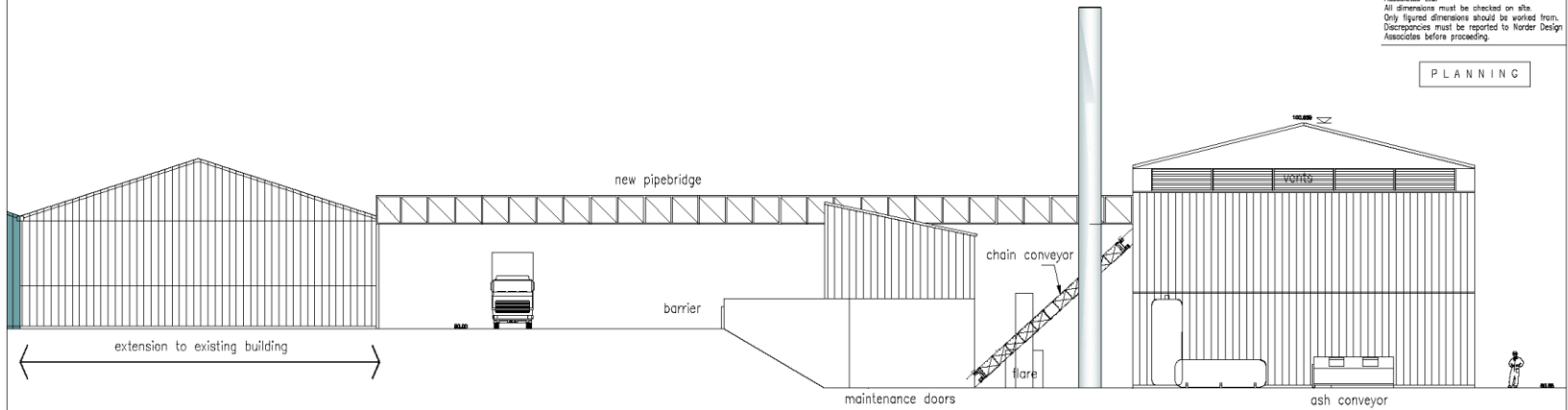
**NORDER**  
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SCALE	SHEET SIZE	
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DATE	DRAWN	CHECKED
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JOB No.	DRAWING No.	REV.
6415	06	

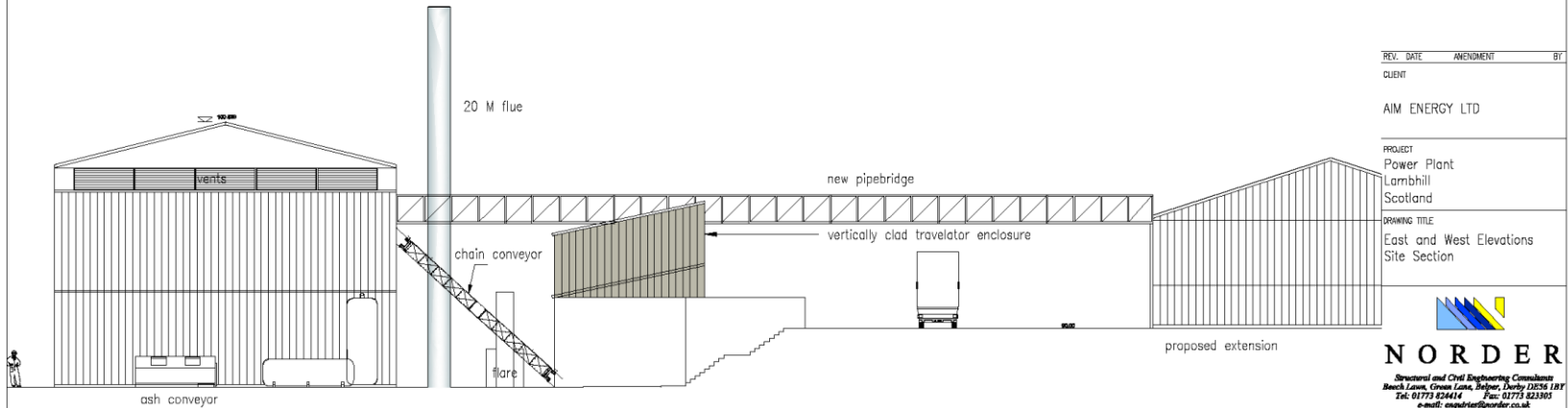
GA PLAN 1/250

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PLANNING



WEST ELEVATION



EAST ELEVATION

REV.	DATE	AMENDMENT	BY

CLIENT  
 AIM ENERGY LTD

PROJECT  
 Power Plant  
 Lambhill  
 Scotland

DRAWING TITLE  
 East and West Elevations  
 Site Section



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SCALE	SHEET SIZE	
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DATE	DRAWN	CHECKED
Nov '10	PHJ	WJG
JOB No.	DRAWING No.	REV
6415	05	—

## Queries:

Any queries concerning the proposals should be addressed in the first instance to:

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We will endeavour to respond to each enquiry in the shortest possible timescale.