# Planning Application for an Agricultural Anaerobic Digestion Plant at Penans Farm

## PUBLIC EXHIBITION ON FRIDAY 28TH APRIL

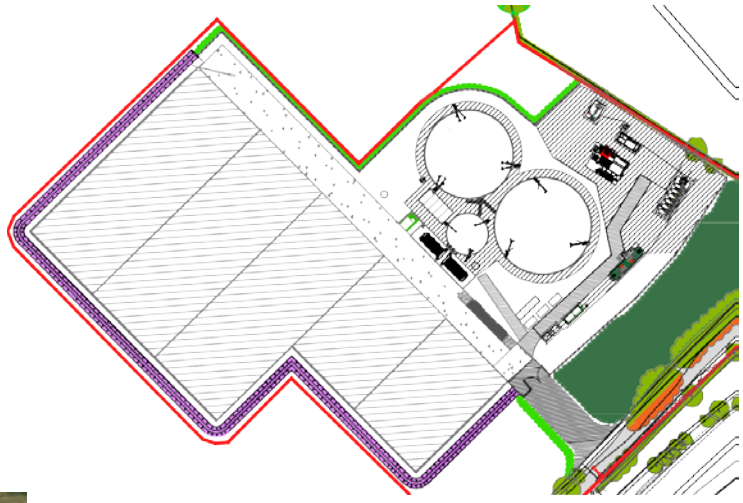
Please find below some information about a planning application that has been submitted by Penans Renewable Energy Limited to Cornwall Council for your information.

We are holding a public exhibition on Friday 28th April at the Village Hall at 7pm in Grampound where members of the team will be available to show you the plans and talk through any questions you may have. Once the application has been validated by Cornwall Council all of the application plans and documents will be available on their website (the application reference is PA17/02955).

The Warne family have been farming at Penans Farm for 4 generations and have been looking at ways to diversify their farming activities to sustain existing farming operations and provide for future generations.


Anerobic digestion is a renewable energy technology that will help diversify existing farming activities. The plant will use agricultural only feedstocks and produce an organic bio-fertiliser that will replace raw untreated manures and artificial fertilisers that are spread on farmland.

The proposed location is in the corner of a larger field, chosen to benefit from a connection to the national gas grid, existing screening and that there are few local residents.



The feedstock will come from Penans Farm itself and other local farms. Access will be off the A390. Deliveries will typically be made over a 12-hour day. For most of the year there will be 6-13 loads per day, with a maximum of 28 per day at peak harvest time in October.

The feedstocks will be stored in farm silage clamps and moved into the sealed digestion process. Assessments submitted with the application conclude that odour, noise and air quality from operation of the plant will not impact local residents. These assessments use best practice modelling techniques and local information where available and are based on worst case examples to ensure the outcomes are robustly tested. An Odour Management Plan has also been submitted, which will control operational activities and make sure the site stays within those limits. The Plant operations will also be controlled by an Environmental Permit. This development will create 3 full time jobs. The collection of liquid digestate will generate traffic movements of 14 loads per day between April and October.

A sample of the photomontages is shown below. These are shown at year 1 upon completion of construction and do not show landscaping, which is proposed around the development.

A Landscape and Visual Impact Assessment submitted with the application show that the development would not cause any significant impact.

Other assessments submitted with the application include Transport, Heritage, and Ecology. These all concluded there are no significant impacts. Further investigations will be undertaken to confirm any below ground archaeology over the next month.

The development of agricultural AD is supported and encouraged by government and local policy to reduce greenhouse gas emissions and to help the UK become more energy self-sufficient.

There are currently 208 operational agricultural AD plants in the UK, a figure that is growing every year. Qila Energy, the UK technology provider, specialise in on farm AD and its team has experience with over 25 sites nationally.

We hope you have found this summary helpful. If you have any queries or would like more information we would be pleased to meet with you on Friday 28th April. Alternatively, you can contact us directly by e-mailing Emma.Dawson@qilaenergy.com or you can contact your local Parish Councillors via clerk@grampound.org.uk.

Qila Energy