



**LAND AT HAWKSWORTH AND THOROTON,  
NOTTINGHAMSHIRE  
APP/P3040/W/23/3330045**

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**NOTE ON ANAEROBIC DIGESTION**

**19<sup>th</sup> June 2024**

**1 Introduction**

1.1 The Inspector has asked for a note providing the information relayed by Tony Kernon when giving Evidence in Chief.

**2 Information Relayed to the Inquiry**

2.1 The Landowner, Mr Beeby, has confirmed that he has been providing crops to an Anaerobic Digester plant at Gonerby. He has been doing so for the last 10 years. Mr Beeby confirmed that over this period he provided both whole-crop rye (cereal) and more recently maize.

2.2 The Anaerobic Digester plant takes a crop of maize from 2,000 hectares on average per year, which is approximately 74,000 tonnes. This equates to 110GWH of energy which equates to the energy required to power approximately 8,000 homes.

2.3 Mr Beeby's land at Thoroton produces some 2.84% of this crop, from 57.2 hectares producing 2,100 tonnes of maize. It is therefore anticipated that the crop from the landowner would provide energy equivalent to approximately 230 homes.

2.4 Appended to this note is an email from Future Biogas Limited confirming this information.

**3 Additional Information**

3.1 When giving Evidence in Chief Mr Kernon noted that he would need to calculate the figures just for maize production from within the Appeal Site.

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- 3.2 On 2024 cropping plans, within the Appeal Site some 23.55 ha of maize is being grown. This will produce of the order of 871 tonnes of maize, which on the above calculations will produce power for approximately 94 houses (23.5 x 4).
- 3.3 Maize in 2024 is being grown in Oak (18.02 ha) and Palmers (5.53 ha) (see Appendix KCC6 of CD7.10.2 for field names). The other fields being grown within the 57.2 ha are Thoroton Buildings (23.01 ha) and Smite (10.56 ha).

Attachment A: Email from Future Biogas

**ATTACHMENT A**  
**Email from Future Biogas**

From: James Rollinson <[REDACTED]>  
Sent: Wednesday, June 12, 2024 8:14 PM  
To: Richard Beeby <[REDACTED]>  
Subject: RE: Maize for Moor Bio - Energy Limited

Dear Richard,

Our Anaerobic Digester plant at Gonerby is expected to take 2,000 hectares of whole crop maize this year, with an estimated total tonnage of 74,000 tonnes. Planning to produce 110GWH This total tonnage will produce methane for gas for approximately 8,000 houses, Although all gas has been sold to AstraZeneca.

Therefore I would estimate that, subject to you achieving an average yield of 37 tonnes of maize per hectare, your 57.2 hectares will produce 2,100 tonnes, ie 2.84% of our total production. On this basis I would estimate that your tonnage will provide gas for approximately 230 houses.

regards

**James Rollinson**  
Senior Feedstock Manager



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