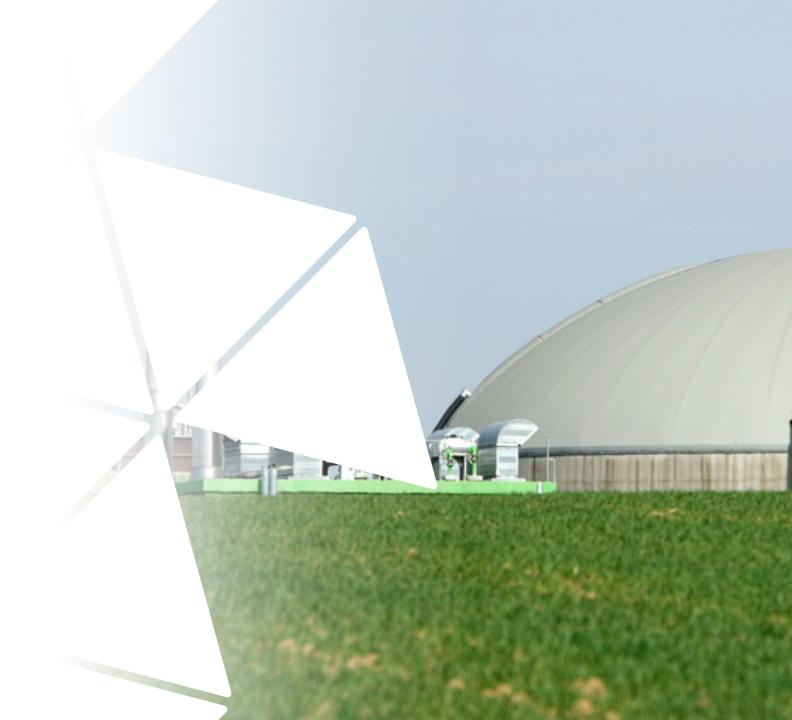


Green Gas Britain

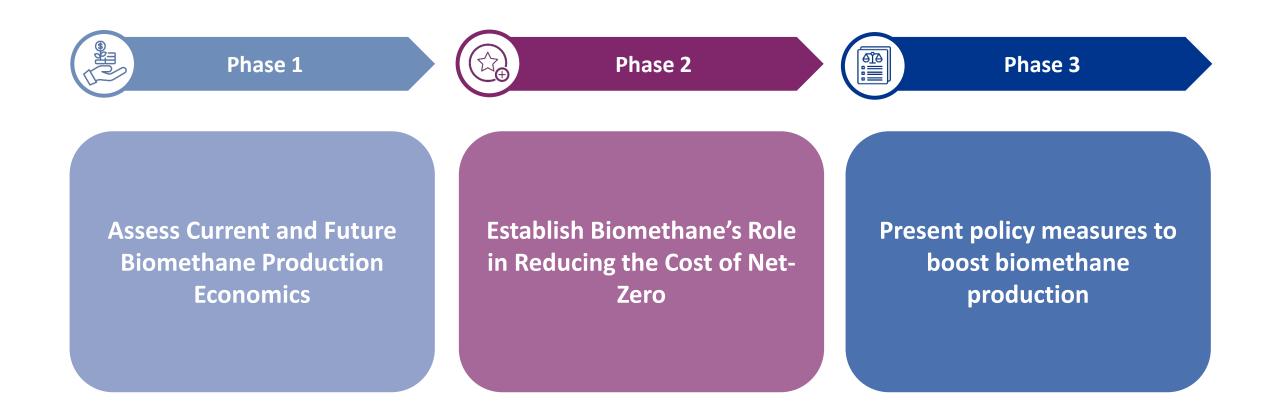
Reducing the cost of Net Zero with biomethane

Green Gas Day - October 2025

Robert.Garner@baringa.com



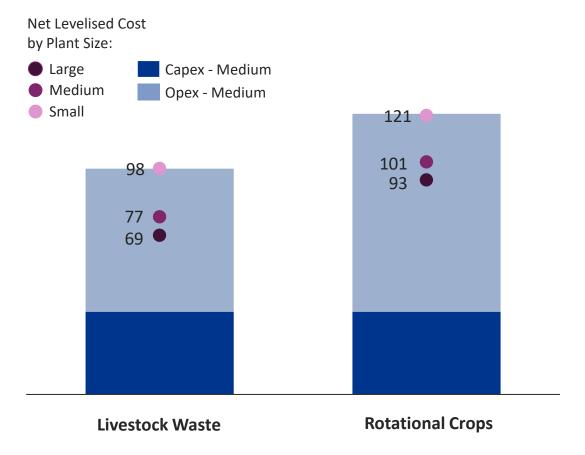
Baringa has been engaged to assess the opportunity to reduce the cost of biomethane production as a solution to support Net Zero by 2050





Production costs for a typical biomethane project could be reduced by 25% from current levels if key barriers are overcome

Net Levelised Costs by Feedstock Type and Plant Size, 2025 (£/MWh)



Biomethane production costs and cost reduction potential to 2050



Expenditure



^{1.} Using the Barriers Overcome case for a Medium Livestock Waste project

Source: Baringa LCOE Model, Baringa analysis

^{3 |} Copyright © Baringa Partners LLP 2025. All rights reserved. This document is subject to contract and contains confidential and proprietary information.



Biomethane delivers £174bn of cumulative savings to the energy system to reach Net Zero by 2050 in our Central Case



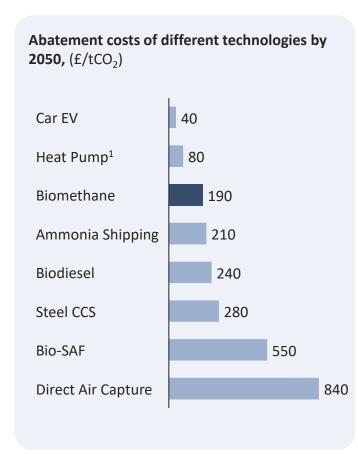
Low-cost abatement

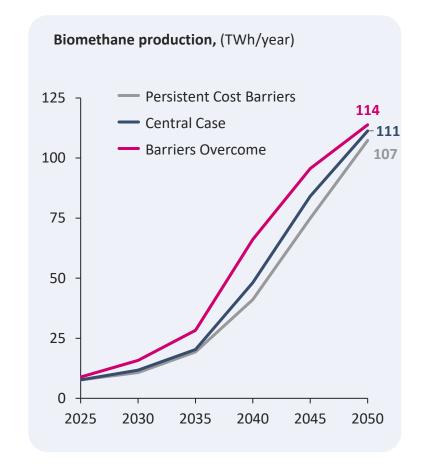


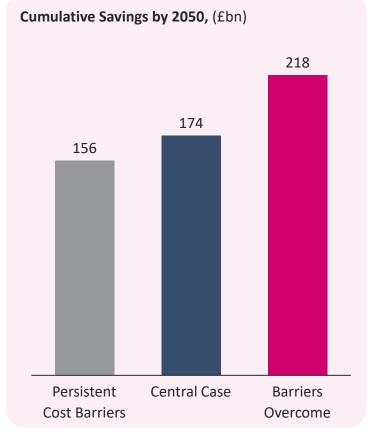
Over 100 TWh of growth by 2050



Cost savings of £218bn if barriers are overcome





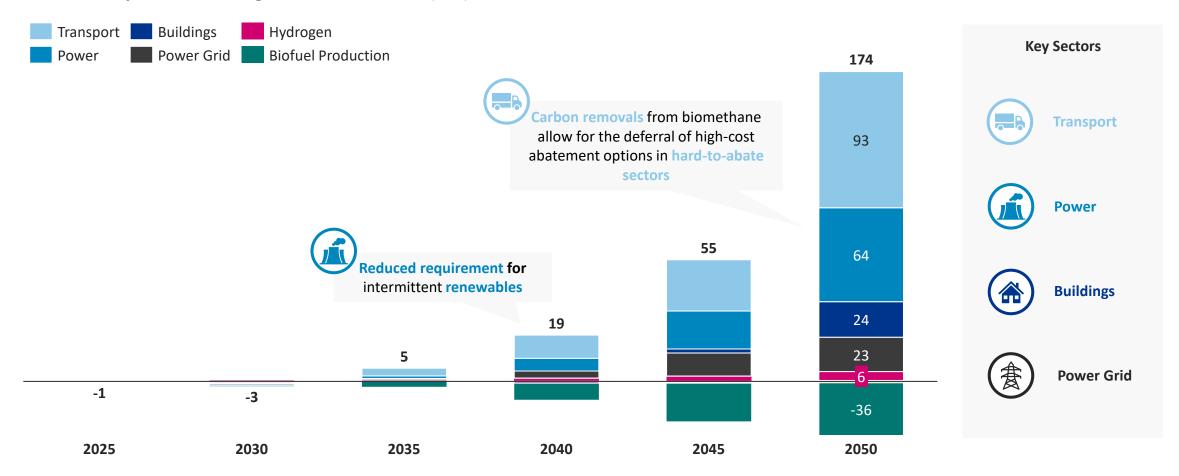




^{4 |} Copyright @ Baringa Partners LLP 2025. All rights reserved. This document is subject to contract and contains confidential and proprietary information.

The cumulative saving in the Central Case is mostly achieved in transport, as well as power generation, avoided electricity network investments, and buildings

Cumulative System Cost Savings in our Central Case, (£bn)





Current policy principles fail to incentivise the most cost-effective GHG savings from sustainable feedstocks at scale



Long-term certainty



Cost-effective GHG savings



Market-based



Compatibility

Policy underpins new investment but expires in March 2028, affecting development decisions now

Tariffs disincentivise scale and constrain projects, while failing to recognise sustainable, non-waste feedstocks

Tariffs risk failing to reflect the lower cost of new biomethane, reducing incentive for competitive pricing.

The UK ETS is yet to recognise emissions reduced through biomethane used in place of natural gas



Requires amendment



Fundamentally challenged



^{1.} These design principles are well aligned to the Government's "Future Policy Framework for Biomethane Production: Call For Evidence" published April 2024 and their broader policies driving decarbonisation

6 | Copyright © Baringa Partners LLP 2025. All rights reserved. This document is subject to contract and contains confidential and proprietary information.

We have set out nine recommendations to enable higher volumes of production, reduce production costs and realise the wider value of biomethane







Enable higher volumes and cost reduction

Realising the wider value and supporting competitiveness

1

Clarify future policy timelines

2

Formalise a production target

3

Recognise Design the biomethane future support in UK ETS mechanism

4

Broaden ort feedstock evaluation

5

6

Facilitate a market for GGRs

7

Provide access to CCS infrastructure

8

Phase out propanation requirements

9

Establish a digestate market

Quick Wins







This document: (a) is proprietary and confidential to Baringa Partners LLP ("Baringa") and should not be disclosed to third parties without Baringa's consent; (b) is subject to contract and shall not form part of any contract nor constitute an offer capable of acceptance or an acceptance; (c) excludes all conditions and warranties whether express or implied by statute, law or otherwise; (d) places no responsibility on Baringa or its group companies for any inaccuracy or error herein as a result of following instructions and information provided by the requesting party; (e) places no responsibility for accuracy and completeness on Baringa or its group companies for any comments on, or opinions regarding, the functional and technical capabilities of any software or other products mentioned where based on information provided by the software or product vendors; and (f) may be withdrawn by Baringa or its group companies within the timeframe specified by the requesting party and if none upon written notice. Where specific clients of Baringa or its group companies are mentioned by name, please do not contact them without Baringa's prior written approval. If any of these terms are invalid or unenforceable, the continuation in full force and effect of the remainder will not be prejudiced. Copyright © Baringa Partners LLP 2025. All rights reserved.