

Cadent

Your Gas Network

Cadent approach to Biomethane

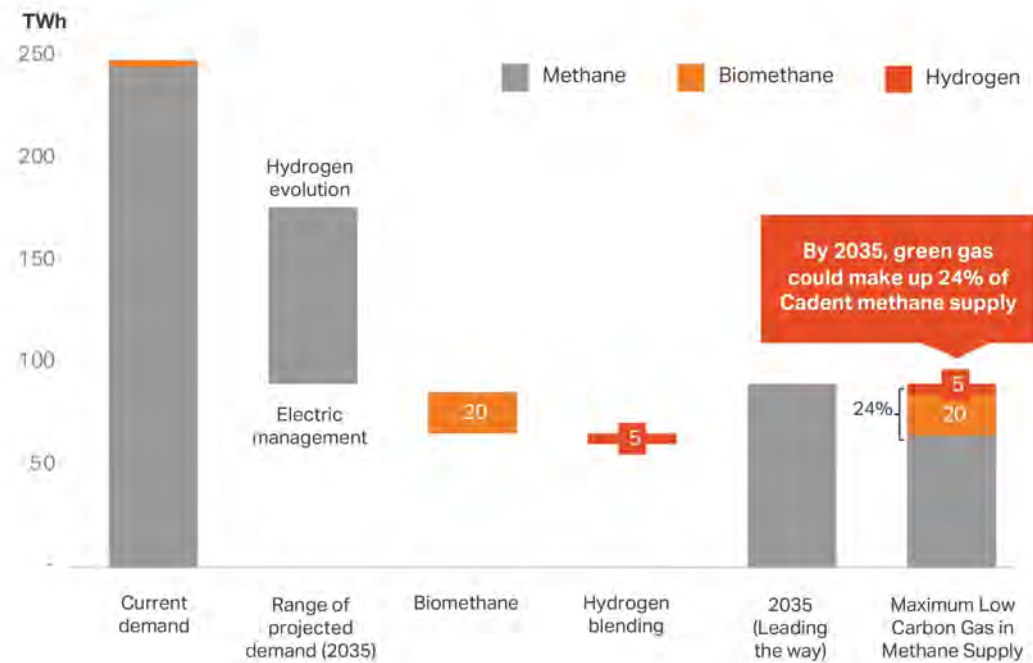
Sebastian Burgess, Biomethane Strategy Lead



Supporting biomethane is core to our strategy



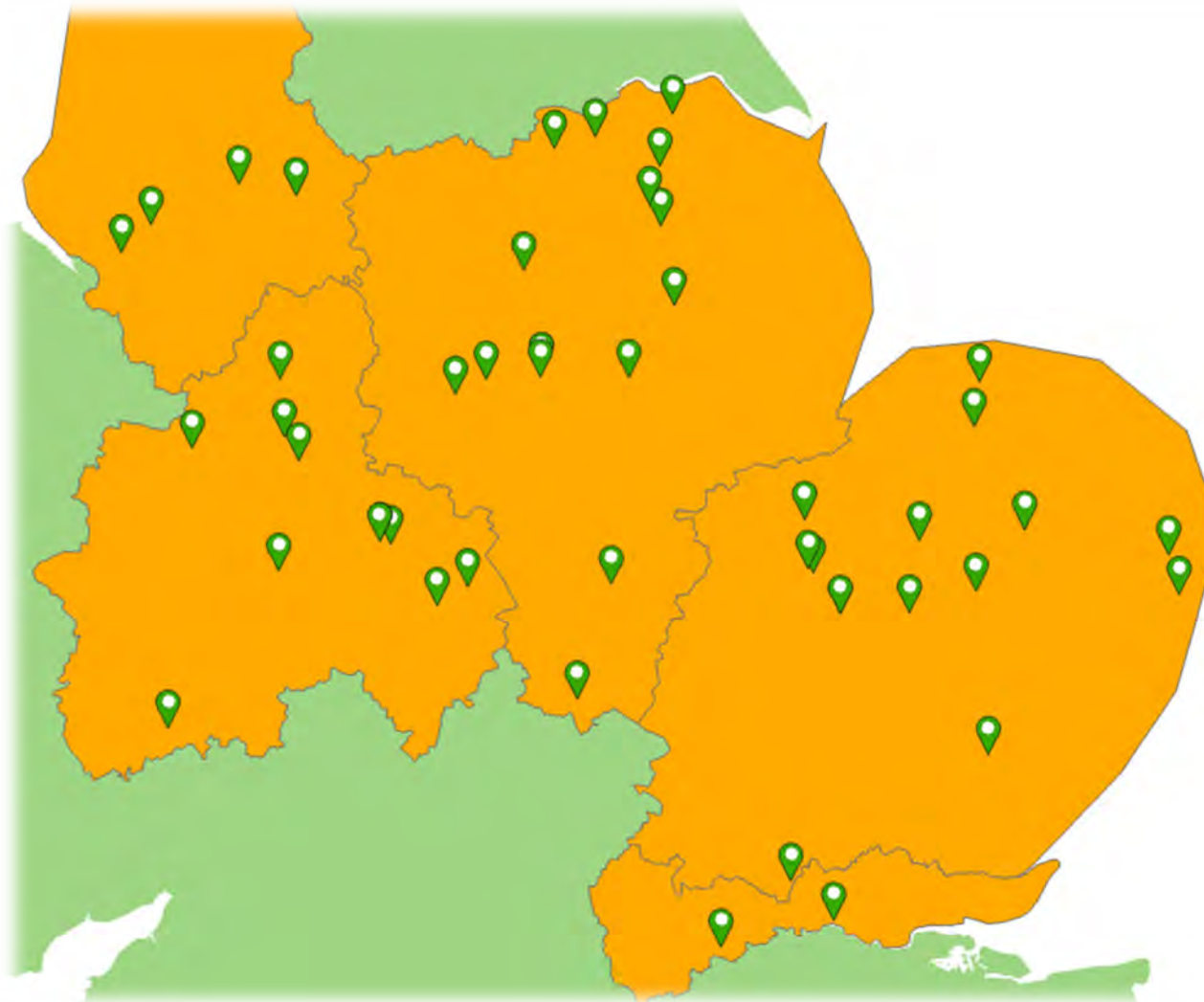
Biomethane and hydrogen blending projections in our network



Homegrown biomethane provides multiple benefits for the UK

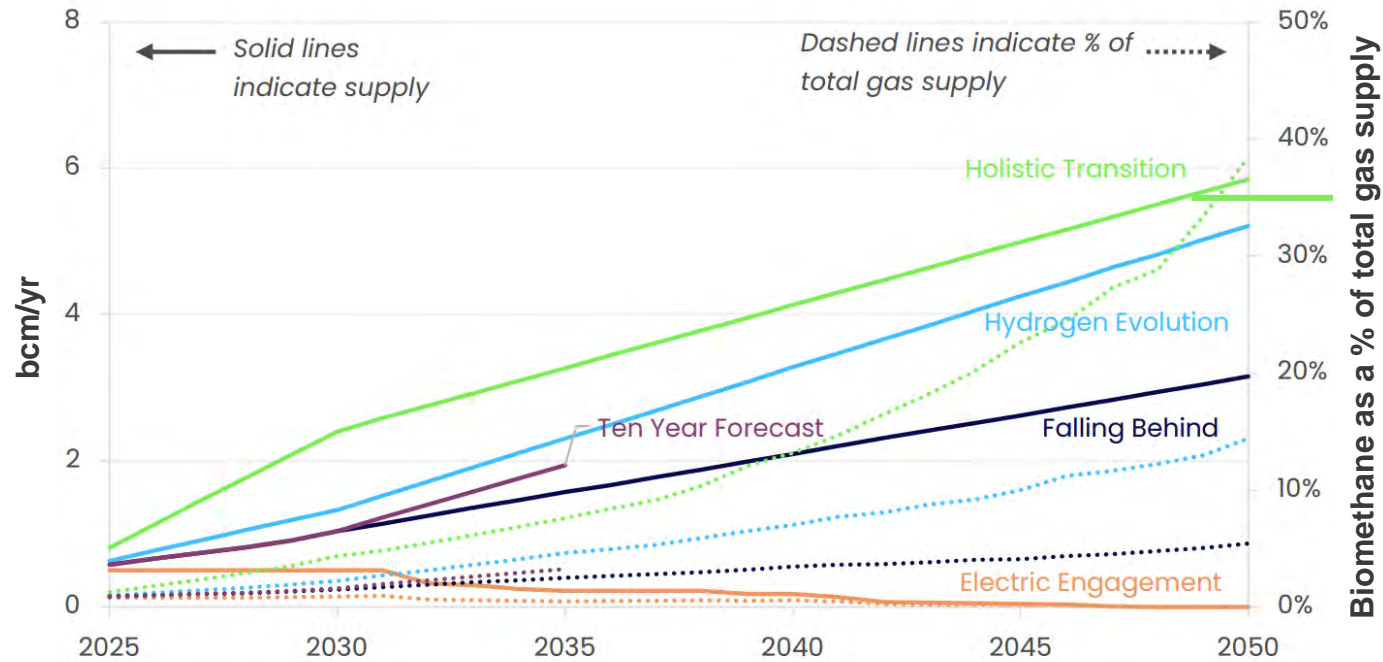


**We have 47 sites connected to our network
heating up to 351,000 homes per year**

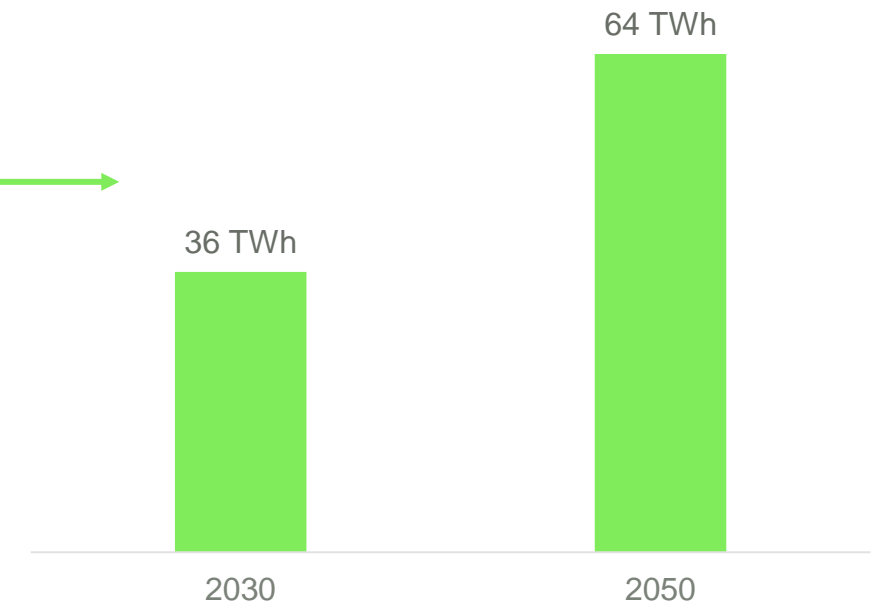


By 2050, the National Energy System Operator sees up to 10x more biomethane being needed

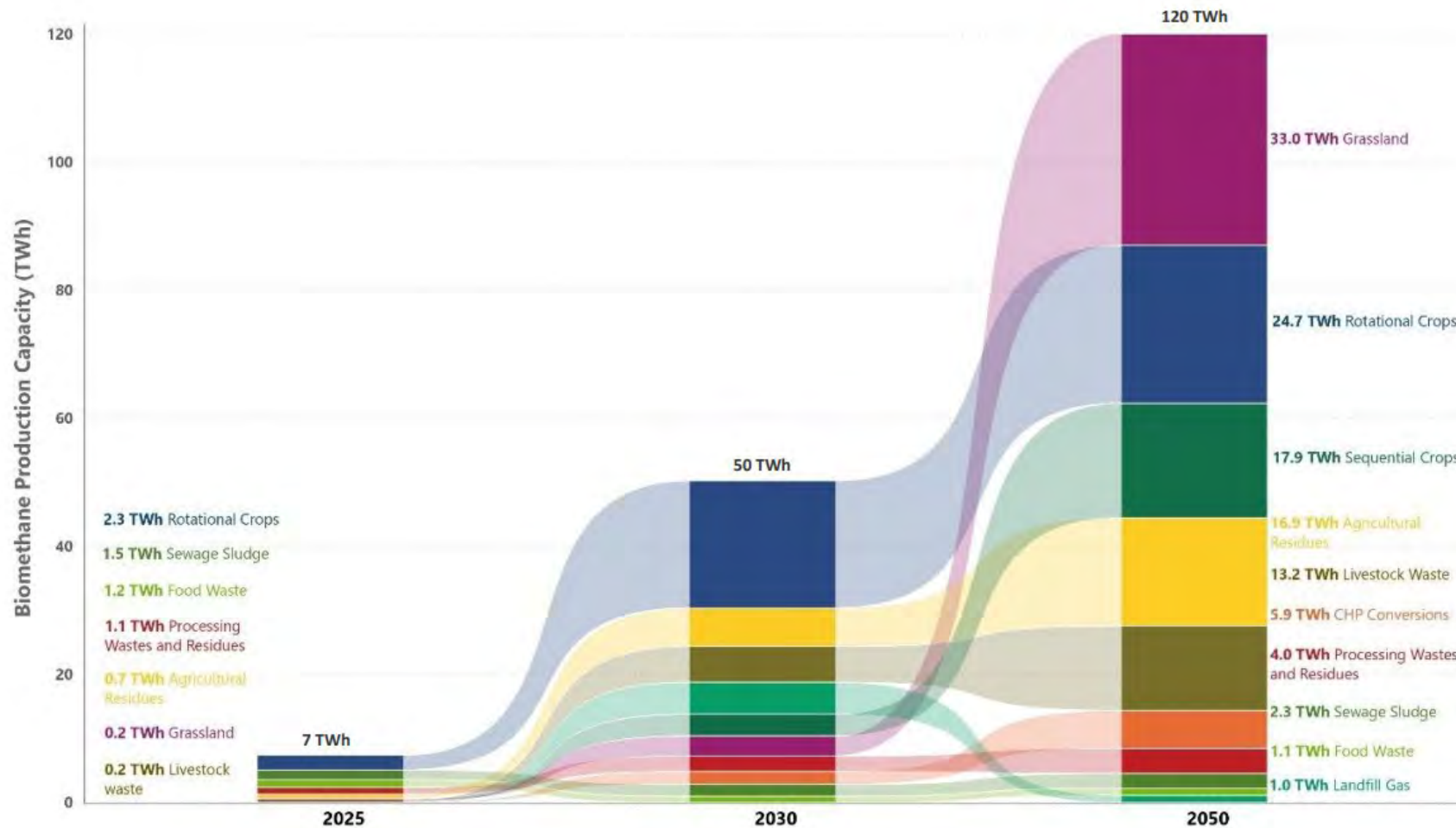
Forecast of biomethane volumes needed to deliver net zero by 2050
Published by National Energy System Operator (NESO) in July 2025



Biomethane volumes under *Holistic Transition*, the most likely scenario to deliver net zero



And there is more potential still



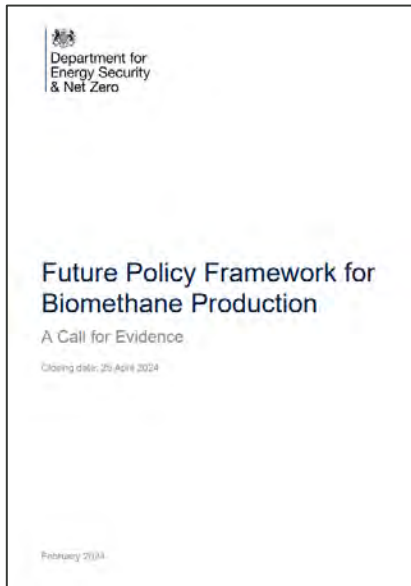
The results are based on **forecasts of feedstocks availability** in the UK in 2030 and 2050, without **conflicting with the UK's food supplies**

This is technical potential – what we can actually achieve will be a part of this, based on cost, network, etc.

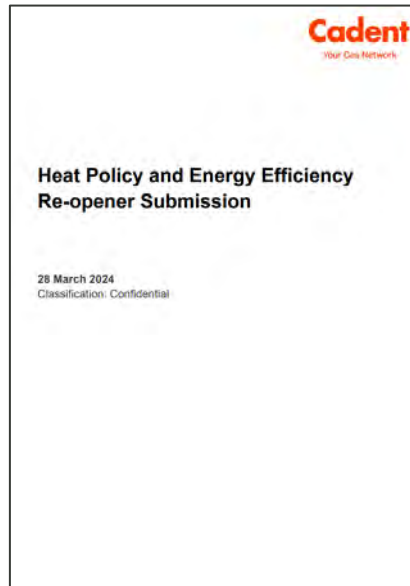
The author is Alder BioInsights, the **leading UK bioenergy consultancy**

40 TWh
DESNZ target, 2023
30 TWh

But changes are needed to realise this potential. Government, Ofgem and Cadent all have a role to play



Clarifying future policy support for biomethane



Socialising network reinforcement costs

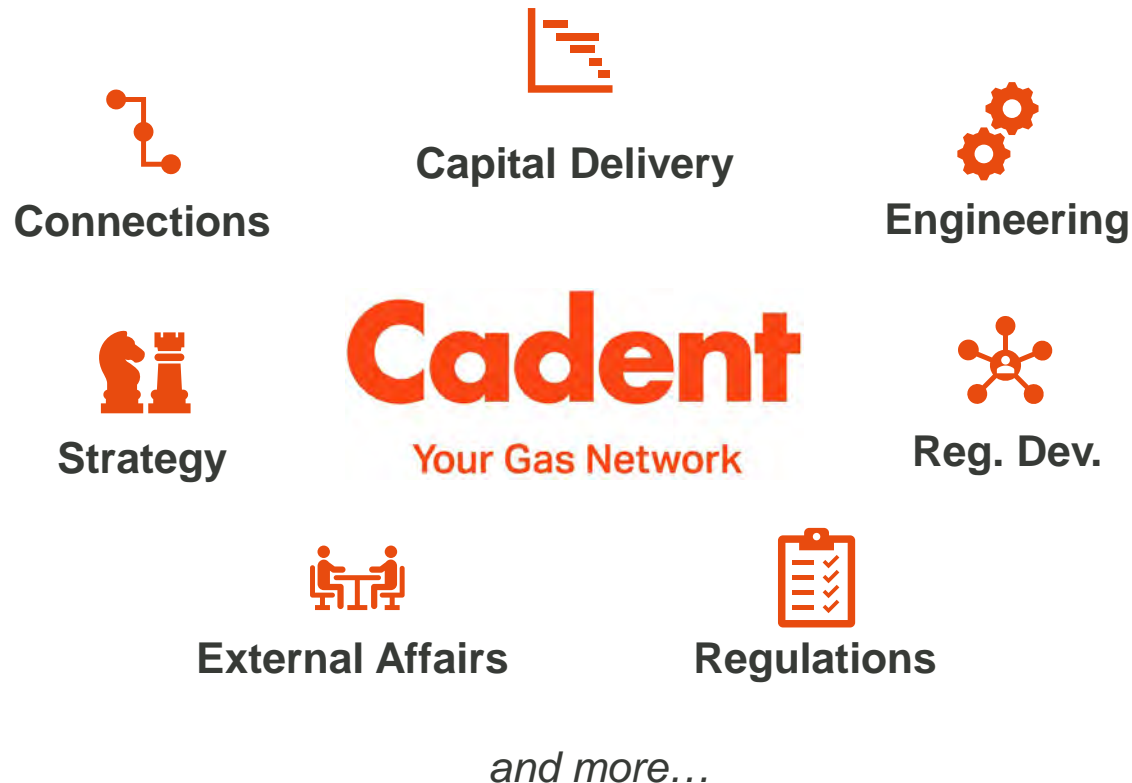


Working with sector to unlock biomethane

More on next slides

We are working at pace – mobilising ourselves and building relationships with the sector...

We are mobilising our internal teams to deliver faster...



...and engaging with wider stakeholders

Policy makers
& regulators



Producers and industry
representatives



...implementing innovations on our network to provide greater injection capacity...



Commissioned a **reverse flow compressor**, moving gas up the pressure tiers.
We are finalising a standard compressor design for future compressors



Installation of **flow metering** across our network



Installation of **smart pressure control** equipment

...and working with biomethane producers to make it easier for them to inject into our network

Our **industry event on 16th September** was a collaborative and productive session with producers, regulators, policy makers and more

We are **working together** to find ways to unlock the potential for biomethane in the UK

The event gave us **key insights** into:

- Implementing assessment windows for entry reinforcement
- Improving our offering for capacity studies
- Refining our gas to grid commissioning process



In summary...



We are backing biomethane as an integral part of the future energy mix to realise net zero



Work is already underway to bring stakeholders together to realise this potential, and for us as Cadent to do our bit



But there is much more still to do, and we working with the biomethane sector to undertake that journey

