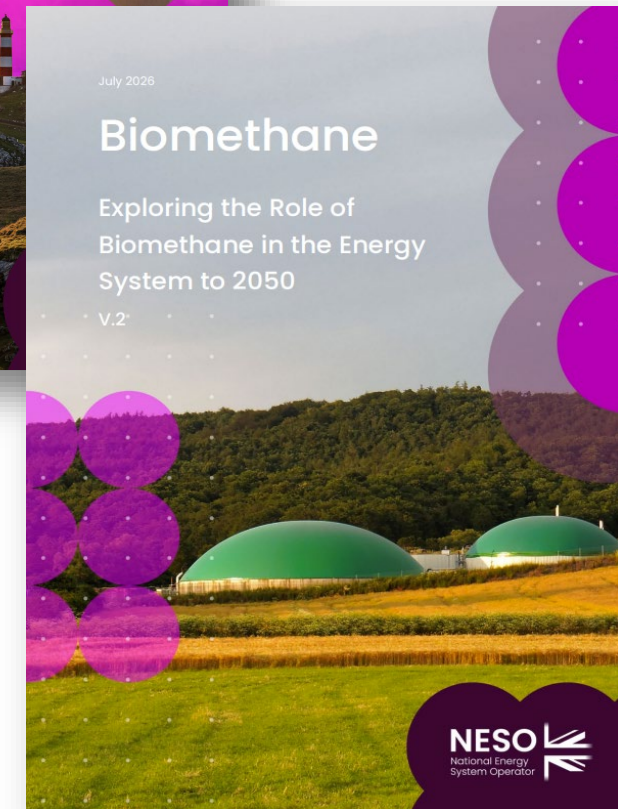


Exploring the role of biomethane in the energy system to 2050

8 October 2026

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We operate **today's** electricity system

Keeping supply and demand balanced, securely and efficiently.

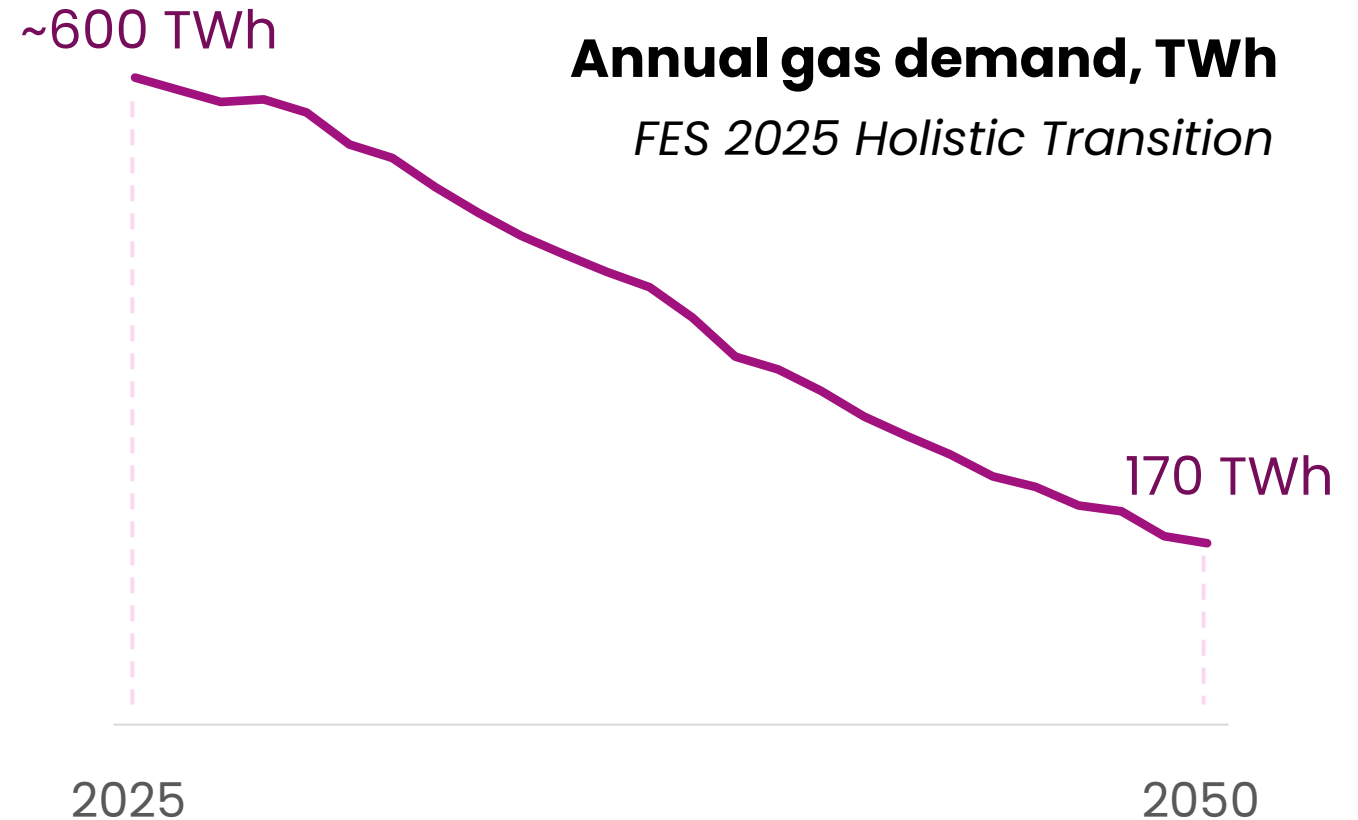
We design **tomorrow's** energy system

Supporting a secure, affordable and clean energy future.



Our analysis show that....

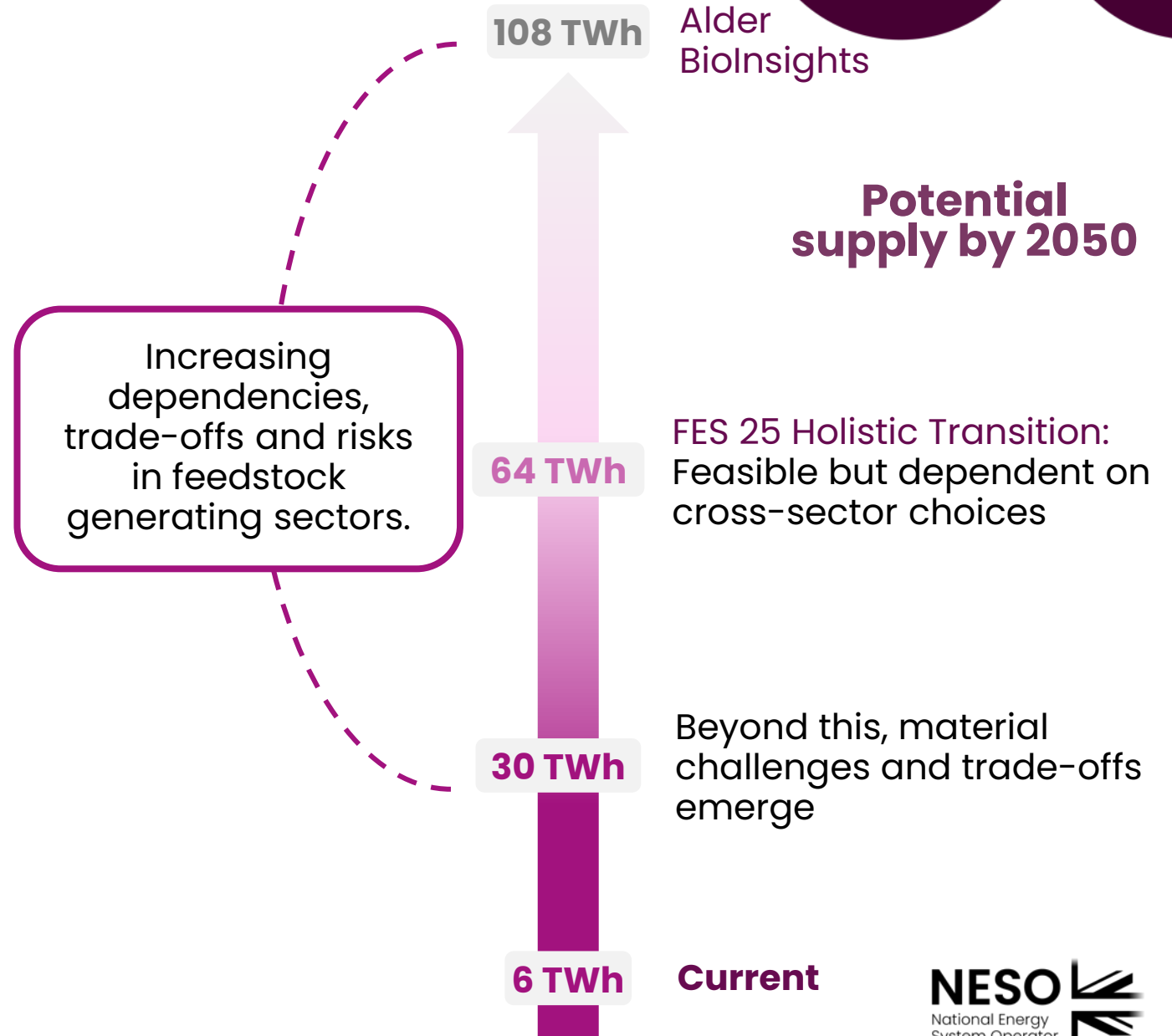
1) Biomethane could deliver significant value across the energy system.



Gas demand is expected to fall over time, but gas will continue to play a critical role in the energy system.

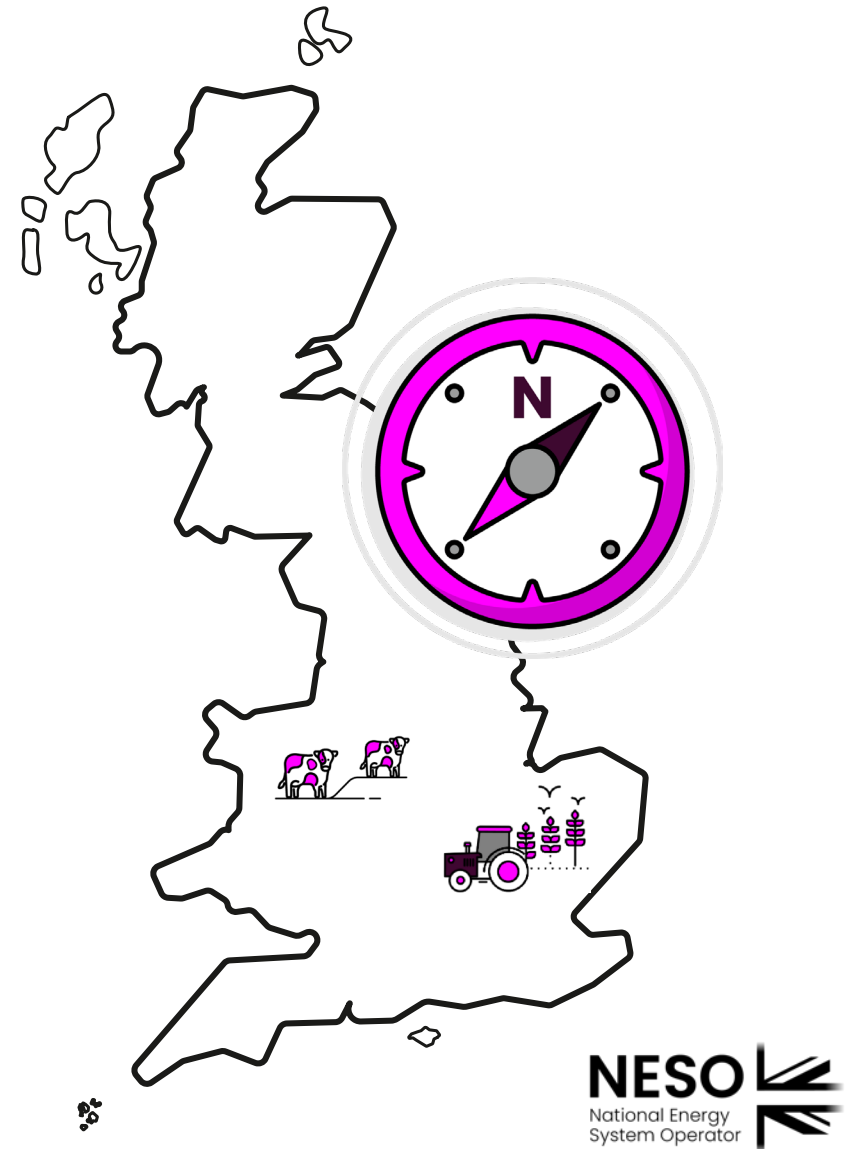
Our analysis show that....

2) Sustainable biomethane production can increase substantially beyond current levels, but challenges and trade-offs increase with scale.



Our analysis show that....

3) A strategic approach and cross-sector collaboration could maximise biomethane's value in the future energy system.



NESO
National Energy
System Operator

What comes next?



Teams **across NESO** continue to build on this work



NESO and government continue to work together



Ongoing progress to build the **evidence base and understanding** of biomethane's role

