NEWS REVIEW

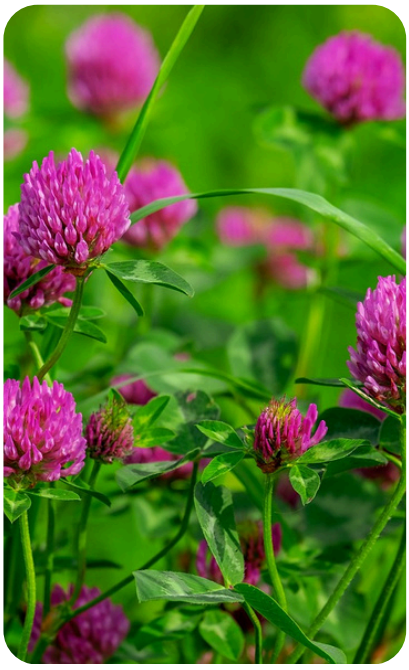
Alder BioInsights

April 2026

Bioenergy

Each month we review the latest news and select key announcements and commentary from across the bioenergy sector.

Announcements & Commentary



Research & Development

Providing clients with a strategic view of feedstock, technology, policy and marketing opportunity across the bioeconomy.

FOREWORD

Welcome readers, to this month's Bioenergy News Review.

Xoserve, the Central Data Service Provider (CDSP) for Great Britain's gas industry, authored a post to highlight how UK can accelerate biomethane adoption by learning lessons from European countries. Biomethane offers a practical, low-carbon solution for decarbonising the UK's gas networks, delivering 50–70% greenhouse gas savings while using existing infrastructure and appliances. Despite its potential and a history dating back over a century, adoption remains very slow - only around 7 TWh was injected into the grid in 2025, representing roughly 1% of natural gas use. The UK's fragmented policy framework, including short-term subsidies like the Green Gas Support Scheme, high grid connection costs borne by producers, overly strict gas quality rules requiring expensive propane blending, and complex regulations, has somewhat limited deployment of AD technologies.

Drawing on lessons from European neighbours, the post identifies proven methods to accelerate deployment, such as Denmark's long-term strategic targets and France's "right to inject" laws, which cap connection costs for producers. Key recommendations for the UK include reforming gas quality standards to simplify grid entry, introducing mandatory blending obligations for heating, and establishing a dedicated taskforce to coordinate industry progress. By adopting these international best practices, the UK can provide the market certainty needed to drive investment and achieve a more reliable, cost-effective transition to renewable gas.

Examples of recent strong European policy support include that of European Commission approving a €3.7 billion Czech State aid scheme to support sustainable biomethane production. The scheme is expected to run until 31 December 2030 and will support both newly built biomethane production stations and the conversion of existing biogas facilities. It is expected to deliver around 350 million standard cubic meters of sustainable biomethane annually. Aid will be provided as direct price support through competitive tendering processes. The Commission concluded that the scheme is compatible with EU State aid rules, as it promotes environmental objectives with minimal distortion of competition.

The aid will be delivered through a "two-way contract for difference," a mechanism that provides producers with a stable "strike price" for 15 years to protect them against market volatility. If market prices for natural gas fall below this set price, the state pays the difference to the producer; if prices rise above it, the producer returns the surplus to the state.

Furthermore, Italy's Energy Decree, which is now a law as of early April, pushes the conversion of biogas plants to biomethane production by making it a condition for accessing incentives beyond 2030. Specifically, biogas plants above 300 kW must convert to biomethane to remain eligible for support schemes. In contrast, smaller plants up to 300 kW can continue receiving minimum guaranteed prices until 31 December 2037 without needing to convert. These measures, part of Articles 5 and 11, aim to accelerate the shift from electricity-focused biogas to grid-injectable biomethane, aligning with Italy's renewable gas and decarbonisation objectives.

Read on for the latest news

Policy

Bioenergy leaders met EU officials to discuss affordable heating, circular bioeconomy and defossilisation

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Bioenergy Europe and business leaders from across the bioenergy sector held a series of meetings with representatives of DG ENER and DG ENV, including Energy Commissioner Dan Jørgensen, to discuss the upcoming Heating and Cooling Strategy and how bioenergy can support affordable heating, industrial competitiveness and climate action.

Bioenergy's industry representatives emphasised to Commissioner Dan Jørgensen that Europe's heating transition must remain practical, technology-neutral and adapted to local realities.

"Europe's energy transition will only succeed if it works for people in practice. "That means keeping heat affordable, reducing dependence on fossil fuels, and making the most of Europe's own renewable resources. Bioenergy is already part of that answer, across homes, industry and district heating. As the EU shapes its next policy steps, that practical contribution should not be overlooked."

Click here for more information

Biomethane sector in Ireland: Decisions on Guarantees of Origin and Reverse Grid Compression

As indicated in the briefing, Biomethane: Guide to project development in Ireland, biomethane producers injecting gas to the network can be issued with a gGO certificate for each MWh of renewable gas they produce.

gGOs are of value to gas suppliers because their purpose under law is to demonstrate to final customers the share or quantity of energy from renewable sources in a supplier's energy mix, and in the energy supplied to consumers under contracts marketed with reference to consumption of energy from renewable sources. In Ireland, S.I. 350/2022 obliges the CRU to ensure that a supplier uses GOs for these purposes. GNI is appointed to issue GOs in response to a request from a producer of gas from renewable sources delivered to the transportation system.

Click here for more information.

Challenges affecting the development of a PAN-EU biomethane market

Biomethane is central to the European Union's strategy to decarbonise its gas system while leveraging existing infrastructure. Despite reaching approximately 4.9 bcm (=52 TWh) of production in 2023 and ambitious targets of 35 bcm by 2030 under the REPowerEU Plan, the development of a truly pan-European biomethane market faces significant structural barriers. Industry commitment remains strong, with the European Biogas Association (EBA) identifying €28 billion in allocated investments projected to deliver 7.3 bcm per year of biomethane capacity by 2030.

Click here for more information.

How to accelerate biomethane adoption in the UK: Lessons from our European neighbours

On the path to Net Zero 2050, biomethane is increasingly emerging as a key tool for decarbonising gas networks, especially where electrification is not suitable.

There are several benefits that make biomethane especially attractive, but the most important include its ability to: deliver material lifecycle greenhouse gas savings, often around 50–70% versus natural gas, (with actual performance dependent on factors such as feedstock choice, plant design and methane emissions management); operate through existing infrastructure and appliances; provide a proven and reliable low-carbon fuel, with recent 2025 UK analysis estimating the average net levelised cost of biomethane projects today is around £90/MWh (noting this varies by feedstock, scale and revenue stack); support the circular economy by converting organic waste into renewable energy while returning nutrients to the soil.

Yet, despite all these benefits, and with the UK history of biomethane use going all the way back to 1895, where gas from sewage sludge was used to power streetlamps in Exeter, wider biomethane adoption has been slow. In 2025 only around 7 TWh of biomethane was injected into the UK gas grid according to National Gas and Cadent. This is equal to around 1% of the 743 TWh of natural gas consumed in the UK in 2024.

Click here for more information.

Markets

Aberdeen's Italian biomethane platform, Bionext Infrastructure, secures financing package to fund further growth

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Aberdeen's Italian biomethane platform, Bionext Infrastructure, has secured a financing package to fund further growth.

The €113 million financing package, provided by BNP Paribas, Crédit Agricole CIB, and SMBC, will support the conversion of the existing platform into 100% renewable biomethane production facilities, as well as fund future growth.

Established in 2023, Bionext Infrastructure comprises 15 operating plants located in central and northern Italy, currently producing biogas and undergoing conversion into biomethane facilities. These will be underpinned by a highly stable 15-year incentive.

Click here for more information.

Partnership with Prado Energia: VORN Bioenergy Advances its Strategic Expansion in Portugal

VORN Bioenergy continues to execute its international growth strategy. Following the successful advancement of multiple projects in Spain, the company is taking the next strategic step on the Iberian Peninsula.

VORN Bioenergy and Prado Energia have entered into a strategic co-development partnership to accelerate the development of biomethane projects in Portugal.

Under the terms of the newly signed agreement, Prado Energia will assume responsibility for project development, leveraging its strong local market expertise and its commitment to advancing sustainable energy solutions in Portugal. VORN Bioenergy will contribute its proven technical capabilities and provide project financing throughout the development phase.

Click here for more information.

Commission approves €3.7 billion Czech State aid scheme for sustainable biomethane production

The European Commission has approved a €3.7 billion Czech scheme to support the construction of biomethane production stations in line with the objectives of the Clean Industrial Deal. This measure will contribute to the transition towards a net-zero economy. The scheme was approved under the Clean Industrial Deal State Aid Framework (CISAF) adopted by the Commission on 25 June 2025.

Click here for more information.

Biogas

Spondon facility to turn city food waste into energy

Food waste from about 100,000 homes in Derby will be turned into renewable energy at a food waste and green gas plant from Tuesday.

Derby City Council said the waste would be taken to the Severn Trent Green Power anaerobic digestion (AD) facility in Spondon to be processed into renewable energy.

Most households in England will have a weekly food waste collection by early 2026, and there will now be a standardised list of items that councils must recycle.

Severn Trent Green Power estimates Derby's food waste will annually generate enough energy to power more than 1,000 homes.

Click here for more information.

Bioenergy company adds ninth AD site with Somerset purchase

BioticNRG has announced the acquisition of Evercreech Renewable Energy, an anaerobic digestion (AD) facility located in Shepton Mallet, Somerset.
The Evercreech site processes locally sourced food waste and is capable of injecting up to 700 cubic metres of biomethane per hour into the National Gas grid.
The facility produces enough renewable gas to supply the equivalent of up to 8,000 homes.
Ed Bastow, CEO of BioticNRG, commented on the acquisition: "We are pleased to secure Evercreech AD site to the group, it is an excellent strategic fit with our existing AD plants in the South West and allows us to significantly expand our operations and pool resources."

Click here for more information.

Poland's ARP to invest in five biogas plants

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EA fund managed by Polish state-owned Industrial Development Agency (ARP) will invest in a PLN 233 million (USD 63m/EUR 54m) project involving the acquisition and expansion of five biogas plants to produce biomethane.

The fund, Polski Zielony Fundusz (PZF), will put in the undertaking PLN 55 million, its manager, ARP TFI said on Thursday. A further PLN 116 million in this transaction comes from bank financing.

The project is being implemented in collaboration with local biogas plant operator Neo Bio Energy (NBE). The further development will involve the set-up of a holding company to manage the entities responsible for the individual installations, whose acquisition has already begun.

Click here for more information

SUEZ launches Digelis FoodWaste, a biowaste preparation technology combining water and energy efficiency

The Digelis FoodWaste technology for pre-treating biowaste by anaerobic digestion, developed by SUEZ, complements existing biowaste treatment processes.

As a modular technology that can be integrated into existing anaerobic digestion facilities,

Digelis FoodWaste is now being demonstrated at semi-industrial scale at the Meta-Bio-Energies site in Ombrée d'Anjou (Maine-et-Loire). Ultimately, it will treat up to 2,000 tonnes of biowaste per year.

Click here for more information.

Surfleet Marsh site earmarked for anaerobic digestion plant due to visited by Lincolnshire County Council

A proposed site for one of two new anaerobic plants in South Holland is set to be visited by county planners.

Members of the planning and regulation committee are recommended to visit the land to the East of Surfleet Bank and West of Woad Farm, Spalding.

The site is one of two proposed by Naylor Farms and the application dates back to 2023. The company's other proposed anaerobic digestion site, off Rangell Gate, is not included in the planned site visit.

The county council consulted on the applications earlier this year.

The digestors will both be state-of-the-art, according to Naylor Farms, and if both are approved would create more than 50 jobs.

Click here for more information.

Platts to rename European biomethane GO assessments from 15 May

Platts, part of S&P Global Energy, will update the names of its European biomethane GO assessments, effective May 15, 2026.

Platts earlier proposed this change in a subscriber note published March 2.

The change will provide greater clarity around the geographic, feedstock, subsidy, and certification status for each assessment, providing granular information at a glance . The underlying specifications, definitions, and methodology of each assessment will remain unchanged.

Click here for more information.

SUBLIME Energie liquefies biogas directly on the farm

SUBLIME Energie has inaugurated its demonstrator 'Charlie' in Plélo (Côtes-d'Armor, Brittany, France), the world's first system capable of liquefying biogas directly on the farm. For the first time, on-farm anaerobic digestion can produce a renewable fuel without relying on gas grid infrastructure. By densifying and enabling the transport of biogas produced on site – using a model inspired by the traditional milk collection system – the startup is deploying a decentralised industrial model. In this system, biomethane is converted into bio-LNG for heavy-duty mobility, while bio-carbon dioxide (CO_2), a co-product of biogas, replaces fossil CO_2 across a range of agricultural and industrial applications. With this demonstrator, SUBLIME Energie is scaling up to unlock the full value of a fragmented agricultural resource, turning it into renewable energy and biogenic CO_2.

Click here for more information.

Gasum and Wasaline extend bio-LNG supply agreement to 2027

Nordic energy company Gasum and shipping company Wasaline have extended their agreement for bio-LNG supply to continue through 2027. This agreement continues to strengthen the companies' long-standing partnership.

It also underlines both companies' commitment to developing cleaner maritime transport. Wasaline runs a carbon neutral shipping corridor between Finland and Sweden, as the company's vessel Aurora Botnia uses batteries and biogas to operate the route. Gasum supplies the vessel with bio-LNG. Gasum's consistent high-quality bio-LNG supplies and exceptional supply security are key factors in enabling Wasaline to maintain a reliable, carbon neutral ferry route.

Click here for more information.

Carbon Capture

Bioenergy with Carbon Capture Market To Reach USD 20.1 billion by 2033

According to the Growth Market Report, the global bioenergy with carbon capture marketsize reached USD 3.9 billion in 2024, reflecting a robust momentum driven by increasing investments in sustainable energy solutions and carbon mitigation technologies.

The market is poised to expand at a CAGR of 18.2% from 2025 to 2033, with the market value projected to reach USD 20.1 billion by 2033. This accelerated growth is underpinned by stringent climate policies, technological advancements in carbon capture, and a rising demand for negative emissions technologies as nations strive to meet their net-zero targets.

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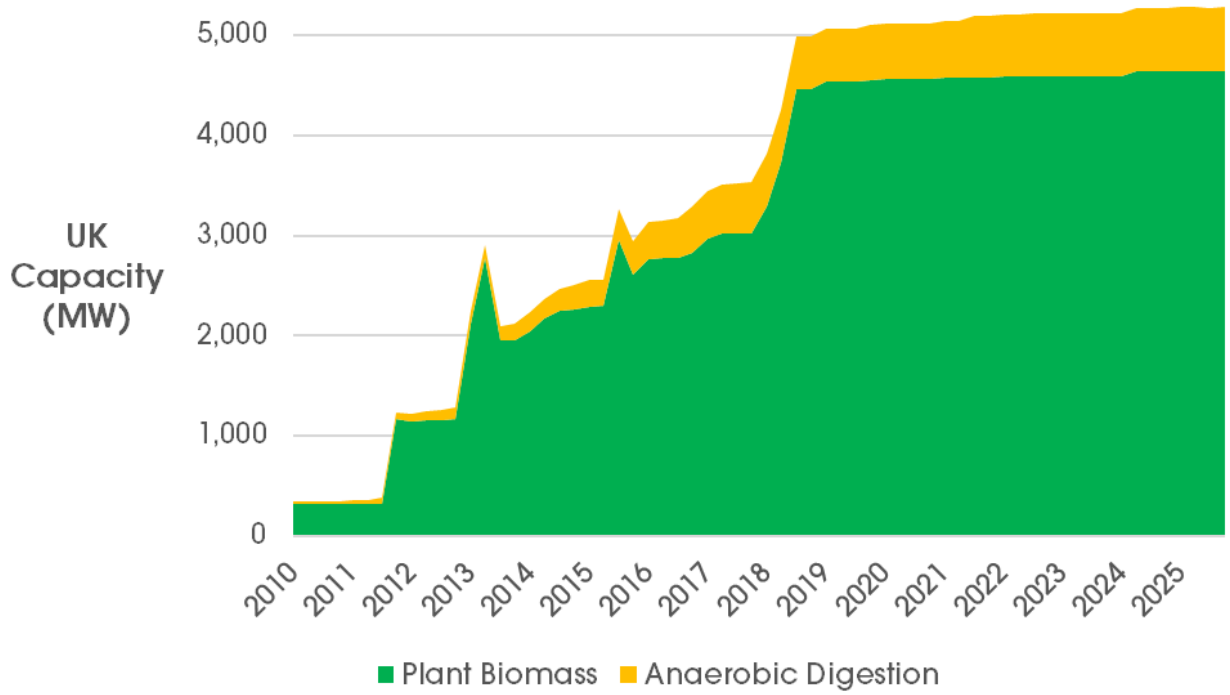
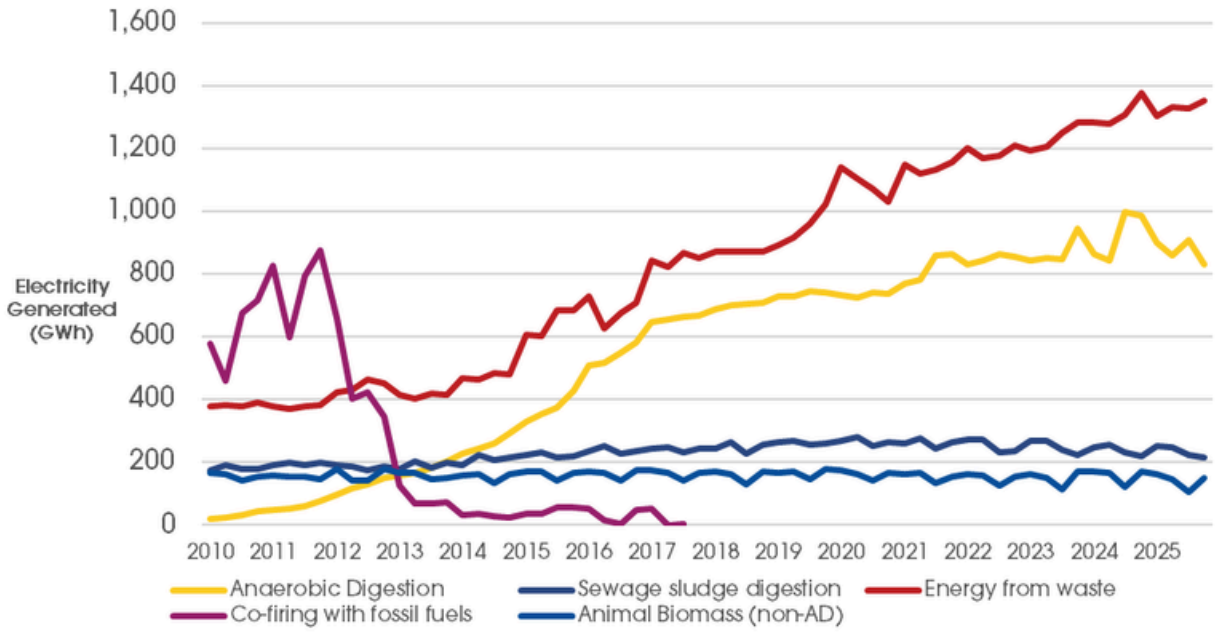
Deployed biopower capacity

Quarterly information on installed electricity generation capacity from plant biomass and AD (Office for National Statistics)



Quarterly information on UK renewable electricity generated from various bioenergy resources (Office for National Statistics)



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Alder Bio Insights is a leading international consultancy with expertise on the conversion of biomass to bioenergy, biofuels and biobased products.

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