



Newsletter IEA Bioenergy Task 37: 10/2026

Deployment of Biogas and Biomethane

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A new IEA tool maps the world's biogas potential

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The IEA has been closely tracking the development of biogases for several years and recently released a first-of-its-kind global spatial analysis assessing the potential for developing biogases from today's organic waste streams. Our latest modelling finds that nearly 900 billion cubic metres of biogases, measured in natural gas-equivalent terms, could be produced sustainably each year –

enough to meet more than 20% of global natural gas demand today. More than 70% of this sustainable potential is located in emerging and developing economies, led by India and Brazil, as well as China. To help decision-makers and stakeholders assess opportunities for biogas and biomethane at the national and local level, the IEA has also launched a new interactive online map that allows users to explore these findings in greater detail.

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Inside IEA Bioenergy: A new video series

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What does IEA Bioenergy do, and who are the people behind its work? Meet the experts, explore the tasks and projects, and learn how international collaboration is advancing innovative and sustainable bioenergy solutions worldwide. From scientific research and policy support to innovation and international collaboration, this video provides an inside look at the people and activities shaping the future of bioenergy.

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Andion CH4 closes €24 million project financing for Mirandola Biomethane Plant

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Andion CH4 Renewables (“Andion”), a European biogas developer, owner and operator, has successfully closed a €24 million project financing to fund the construction of its fully permitted biomethane production plant in Mirandola (Modena), Emilia-Romagna. The Mirandola plant, which is under construction, is being developed under Italy’s DM 2022 biomethane incentive scheme and will produce liquefied biomethane (LBG) from agricultural waste using anaerobic digestion technology. The facility will have a maximum annual production capacity of approximately 44 GWh (c. 3,000 tons of LBG) and will process more than 70,000 tons of manure-based feedstock per year under long-term supply agreements with local farmers. The project benefits from a long-term LBG offtake agreement with SOL Group, which also holds a 20% equity stake in the plant, as previously announced. Production is expected to commence in Q2 2026.

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California approves first SB 1440 biogas contract with Anaergia

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The contract between Southwest Gas and the Anaergia-owned co-digestion facility was approved by the California Public Utilities Commission (CPUC) and will count toward renewable natural gas procurement goals set in 2022. The Anaergia project is a co-digestion facility processing wastewater and organic waste at the Victor Valley Wastewater Reclamation Authority. It can handle up to 104,000 tons of diverted organic waste annually. CPUC last week approved biomethane procurement targets for utilities in a bid to meet the broader goal of reducing methane and other short-lived climate pollutants 40% by the end of the decade. The agency’s decision included both short-term and medium-term goals, including a total annual procurement target of 72.8 billion cubic feet of biomethane by 2030.

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MOL expands the Szarvas Biogas Plant with a biomethane unit

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MOL, a leading eastern Europe oil company, is expanding the Szarvas Biogas Plant with a biomethane unit. They will inject 7 Mio m³ of biomethane into the grid. MOL Group acquired the

Szarvas biogas plant in 2023. Currently, the biogas is utilized in gas engines: they produce nearly 24 GWh of green electricity annually and also provide combined heat. The plant processes more than 40,000 tons per year of waste from meat production in the region, and another 53,000 tons of residual waste (such as slurry and manure) from neighbouring livestock farms. In addition, around 18,000 tons of agricultural substrate is used as feedstock for the plant, which produces nearly 12 mio m3 of biogas. The upgrading unit will be Mol's first biomethane plant and, at the same time, the third such facility in Hungary.

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New gas pipeline through Stockholm more than doubles liquefied biogas production

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St1 Biokraft, a leading Nordic biogas player, today inaugurated a new gas pipeline that connects the company's facilities in Henriksdal (Nacka) and Gladö Kvarn (Huddinge) via Stockholm's gas network. The new connection means that capacity to produce liquefied biogas in Huddinge has more than doubled, strengthening both the green transition and the region's security of supply of fossil-free fuels. The Gladö Kvarn facility comprises a production unit that produces approximately 100 GWh of biogas per year and two upgrading units that can produce compressed (CBG) and liquefied (LBG) biogas, respectively. The LBG unit was completed in late summer 2023. However, the LBG upgrading unit is designed for 240 GWh, equivalent to 22 million litres of diesel. What has been missing is the grid connection from the Henriksdal facility, which can only produce CBG.

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Lithuania biomethane output triples as renewable gas grid expands

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Lithuania's renewable energy sector has reached a significant milestone, with biomethane production nearly tripling over the past year. In April, 41 GWh of biomethane was supplied to the national gas transmission system, a sharp increase from the 15 GWh recorded during the same period last year. To put this into perspective, the amount produced in April alone is sufficient to meet the annual cooking gas needs of approximately 70,000 to 100,000 households.

Currently, Lithuania operates 14 biomethane plants with a combined capacity of 76 MW. Five plants are directly linked to the high-pressure gas transmission system and one plant is connected to the gas distribution grid. Eight plants deliver biomethane via specialized trucks to designated injection points, allowing producers in rural areas without pipeline access to participate in the market.

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Stream BioEnergy building \$94M biomethane plant in Cork port

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In Ireland, Stream BioEnergy Ltd is constructing an €80m biomethane plant in Little Island, Cork. When operational in 2027, the facility will process 90,000 tons of domestic and commercial food and garden waste per year. It will reduce GHG emissions by 40,000 tCO2e/annum, while delivering more than 80GWh of renewable biomethane annually to the Irish National Grid, making it Ireland's largest biomethane facility processing municipal food and garden waste

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Divert opens Washington digester as financial backing grows

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In April Divert celebrated the grand opening of the anaerobic digestion facility in Longview. It came after Divert announced a new fundraising round. The facility is designed to depackage and process up to 100,000 tons of organic waste annually at full capacity. The 66,000-square-foot facility is expected to help food waste generators meet Washington's Organics Management Law and Portland, Oregon's commercial food scraps diversion requirements.

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Biomethane in France: 3.7 TWh Injected in the Second Quarter of 2026

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As of June 30, 2026, 837 biomethane facilities were connected to the grid, with a maximum production capacity of 16.2 TWh per year, up 3% from the end of 2025. In the second quarter of 2026, the amount of biomethane injected into the grid totaled 3.7 TWh superior heating value (SHV), an 11% increase compared to the second quarter of 2025. According to SDES data, biomethane accounted for 6.9% of total gas injections into the French grid during the quarter. This share has increased significantly compared to previous quarters, driven by the seasonal decline in fossil gas consumption. However, the pace of new capacity development remains slower than in 2025. Over the first half of 2026, 34 facilities were commissioned, representing 431 GWh/year of additional capacity

[More](#) (in French)

Taurus Canada RNG awarded \$10 Million from government

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Taurus Canada Renewable Natural Gas Corp. has been awarded \$10 million from the Government of Alberta to advance construction of a fully integrated anaerobic digestion and RNG project. The facility, planned at the Chinook Feeders site in Foothills County, will convert cattle manure and other agricultural feedstocks into pipeline-quality renewable natural gas, supporting Alberta's emissions-reduction goals and the broader buildout of livestock-based RNG in Canada.

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Neogenyx Fuels Delivers First ISCC-Certified RNG to Europe

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The US company Neogenyx Fuels, a premier developer, owner, and operator of advanced fuel solutions, announced the successful delivery of renewable natural gas (RNG) from one of its US facilities into the European compliance markets using International Sustainability and Carbon Certification (ISCC) certified RNG. The certified volumes are tracked and verified under an ISCC mass balance chain-of-custody framework, ensuring compliance with EU sustainability and traceability requirements. ISCC-certified RNG projects within Neogenyx Fuels' portfolio have the capability to produce more than 4.2 million MMBtu of renewable natural gas annually.

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New data highlights growth in biogas at U.S. dairy farms

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The American Biogas Council (ABC) released new data showing continued growth in the number of biogas plants on dairy farms. Currently, 496 American dairies capture energy from their manure, using anaerobic digestion to recycle it into renewable natural gas (RNG) or renewable electricity.

Nationwide, biogas systems recycle manure from approximately 2.5 million dairy cows, putting more than 16 billion gallons of manure to beneficial use every year. Biogas capture from dairy manure now totals about 84 Bcf (2.4 Bcm) annually.

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Archaea Energy & Republic Services: First RNG plant

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Archaea Energy, a subsidiary of bp, and Republic Services have marked the opening of the first renewable natural gas plant under their Lightning Renewables joint venture, which is slated to include roughly 40 RNG projects in total. Located in Fort Wayne, Indiana, the facility captures landfill gas generated by the decomposition of waste at a Republic Services site and converts it into pipeline-quality RNG. Traditionally, RNG plants have been custom-built, but the Archaea Modular Design (AMD) allows plants to be built on skids with interchangeable components. Using a standardized modular design leads to faster builds than previous industry standards. The Fort Wayne landfill site, once in operation, is expected to process up to 6,400 scfm into RNG – enough gas to heat more than 25,000 homes annually, according to the EPA's Landfill Gas Energy Benefits Calculator.

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Biogas Producer PGB Cuts Ribbon on New Plant in Poland

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Polish biogas producer Polska Grupa Biogazowa (PGB), part of TotalEnergies, has launched its 22nd biogas plant in the country. The new installation in Długoszyn, in the western Lubusz province, will process about 46,000 tonnes of substrates per year, producing 8.4 GWh of electricity and 8 GWh of heat. The company said the generated electricity will meet the demand of roughly 3,000 households. The 1 MWe biogas plant brings benefits to the local community estimated at PLN 4 million (USD 1m/EUR 934,000) annually in revenue within a 50 km radius of the project.

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Ukraine biogas complex doubles capacity to 72 million cubic metres

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Ukrainian Technological Company (UTC), has begun expansion of its Vinnytsia region anaerobic digestion facility, doubling biogas production capacity to 72 million cubic metres annually.

The facility, operational since November 2019, currently produces 1,350 cubic metres of biogas per hour. The expansion programme, implemented in three phases, will increase throughput to 8,000 cubic metres per hour. Feedstock processing will expand from approximately 200 tons daily to 1,500 tons daily, incorporating beet pulp, chicken manure, beet tops and tails, green plant silage, molasses, fat and apple pomace. The upgraded facility will generate multiple revenue streams: 35 million cubic meters of biomethane annually, 30 million cubic metres of commercial-grade CO₂, 45,000 MWh of electricity, 550 gigacalories of thermal energy, 95,000 tons of solid organic fertiliser (cake) and 480,000 tons of liquid organic fertiliser (digestate).

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Europe adds 1 bcm of biomethane production

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On July 1st 2026, EBA unveiled two major publications: the European Biomethane Map, developed in cooperation with Gas Infrastructure Europe (GIE), and the Biomethane Investment Outlook. Together, they show a sector that continues to grow rapidly and attract investment, while also highlighting the significant untapped potential for further acceleration across Europe. Europe's biomethane sector has crossed a new milestone, adding more than 1 billion cubic meter (bcm) of annual production capacity and surpassing 8 bcm for the first time. Biomethane is becoming a strategic pillar of Europe's energy transition. By making full use of existing gas infrastructure, production can be connected with demand across borders, strengthen Europe's energy security and unlock the full potential of renewable gases. Investor appetite also remains strong, with investment commitments reaching €36 billion, a significant increase from last year's reported investments (€28 billion), according to the Biomethane Investment Outlook. The Biomethane Map shows that the number of plants in Europe increased from 1,678 to 1,975 between the 2025 and 2026. During that time, 327 new plants entered operation while some plants closed during the same period. The average biomethane plant size in Europe is 472 Nm³/h, though there is wide variation across the continent.

Map & Investment

Shell's Aarhus biogas plant completes 18-month upgrade

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Shell has finished an 18-month upgrade of its Aarhus biogas facility in Denmark, lifting capacity to process 700,000 tons of waste a year and produce around 20 million cubic metres of biomethane annually. The upgraded plant can now feed biomethane directly into the Danish gas grid, with storage capability in place to help maintain supply during periods of lower renewable output. The Aarhus site dates back to the 1990s, when it operated as Baanlev, and has now been modernised to handle higher volumes of waste and residue streams from agriculture, households and the food sector.

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Axpo injects first biomethane into Italy's National Grid

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Swiss renewable energy company Axpo has injected the first gas from its biomethane plant in Grottole, southern Italy, into the national grid. The facility is expected to reach full capacity within six months, ultimately producing enough renewable gas to supply about 3,200 Italian homes annually. The facility's long-term gas offtake contract has been signed with leading Italian paper mill, Cartiere del Garda, underscoring the strong market demand for renewable gas. The Grottole biomethane plant uses agricultural by-products from regional farms to produce low-carbon gas and fertilizer

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EnviTec commits €100 Million to biomethane expansion in Germany

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Germany-based EnviTec Biogas has unveiled plans to invest roughly €100 million (\$117 million) in biomethane production by 2029, expanding gas upgrading capacity as it shifts its biogas portfolio away from power generation and toward renewable gas. The planned investment will be directed towards converting existing biogas plants into biomethane facilities, alongside the construction

and upgrading of Renewable Energy Act (EEG) plants. The move is aimed at expanding the company's Own Plant Operation segment and gradually transitioning from electricity generation to gas upgrading.

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H2A to invest \$570 Million in 22 new biomethane plants across Brazil

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Brazilian biogas developer H2A Bioenergia is advancing 22 biomethane plants across the country, backed by an investment of roughly R\$2.9 billion (about \$570 million) over the next five years, turning agricultural and livestock waste into a new revenue stream for rural producers. The plants, expected to produce about 800,000 cubic meters of biomethane daily from swine, cattle, and poultry waste, will target heavy transport and diesel replacement, building on H2A's first ANP-certified biomethane facility in Santa Catarina and supporting Brazil's push to decarbonize its agricultural sector.

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Landfill Gas Continues to Drive U.S. Renewable Natural Gas Growth

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New Data of ABC shows that landfill gas projects now account for 64% of U.S. RNG production, with more than 700 additional facilities suitable for development. The nation's 598 landfill gas capture systems provide about three-quarters of all biogas captured in the U.S. and produce 64% of the nation's RNG.

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Kanadevia Inova's milestones signal a maturing sector

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Two major projects, one in the agricultural heartland of Minnesota and one replacing a 40-year-old facility on the banks of the Aare in Switzerland, are together offering a picture of where Kanadevia Inova is taking its waste-to-energy business. At the same time the Swiss-based greentech leader, has acquired a controlling interest in BioValue B.V., a leading Dutch biomethane developer, operator and service provider with capabilities spanning asset management, operations and maintenance, engineering and construction management.

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