

# Landfill Gas To Energy LFGTE Systems Global Market 2024: Strong Growth Propelled by Demand for Renewable Energy Sources

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Landfill Gas To Energy (LFGTE) Systems Market Report 2024 - Market Size, Trends, And Global Forecast 2024-2033

The dominant buzzword in the energy sector is 'sustainability', and the rising popularity of landfill gas to energy LFGTE systems truly encapsulates this trend. The LFGTE systems market size has shown exceptional growth in recent years, seeing an increase from \$5.62 billion in 2023 to a projected \$6.16 billion in 2024. This increase represents a compound annual growth rate CAGR of 9.6%. This dynamic growth in the historic period can be traced back to an increase in environmental regulations on landfill emissions, heightened awareness of greenhouse gas reduction, introduction of economic incentives and tax credits for renewable energy projects, advancements in gas collection and processing, government mandates pushing waste-to-energy solutions, and a rise in landfill waste volumes calling for sustainable management.

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The landfill gas to energy (LFGTE) systems market size is expected to see strong growth in the next few years. It will grow to \$8.91 billion in 2028 at a compound annual growth rate (CAGR) of 9.7%.”

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Will the [Landfill Gas To Energy LFGTE Systems Market Continue To See Strong Growth](#) In The Next Few Years?

Without a doubt, the LFGTE systems market size is predicted to continue its strong growth trajectory in the coming years. Forecasts indicate that it will boom to \$8.91 billion by 2028, exhibiting a compound annual growth rate CAGR of 9.7%. The driving force behind this growth in

the forecast period includes increased investment in renewable energy infrastructure, expansion of waste-to-energy policies, innovations in gas capture and conversion technologies, an uptick in energy prices increasing demand for alternative sources, rising interest in circular economy practices, and enhanced support and funding for renewable energy from international organizations. Market trends vital to this growth include the development of more efficient and cost-effective gas conversion technologies, integration with smart grid and energy storage solutions, automation and real-time monitoring, adoption of hybrid systems combining multiple waste-to-energy technologies, emphasis on reducing operational costs for sustainable prices, and increased collaboration between the public and private sectors to further LFGTE initiatives.

To delve into this rising market and explore its detailed insights, get a sample report at:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=19104&type=smp>

What Is Driving The Growth of the Landfill Gas to Energy LFGTE Systems Market Going Forward?

Propelling the growth of the LFGTE systems market is the increasing demand for renewable and clean energy sources. Renewable and clean energy is produced from natural sources that replenish over a human lifespan – sources like sunlight, wind, and geothermal heat. The demand for these energy sources is increasing due to environmental concerns, necessity of sustainable energy solutions, advancements in technology, and government policies targeting reduction of greenhouse gas emissions and combating climate change. LFGTE systems contribute to this demand by capturing methane from landfills and converting it into usable energy. This process lessens greenhouse gas emissions and provides a renewable energy source, thus contributing to cleaner energy production. For example, according to the European Environment Agency, a Denmark-based provider of environmental information, in 2022, 23% of the total energy consumed in the EU was sourced from renewables, indicating an increase from 21.9% in 2021. Therefore, the burgeoning demand for renewable and clean energy sources is fuelling the growth of the landfill gas to energy LFGTE systems market.

To gain a full scope of the market, access the complete report at:

<https://www.thebusinessresearchcompany.com/report/landfill-gas-to-energy-lfgte-systems-global-market-report>

How Is The Landfill Gas To Energy LFGTE Systems Market Segmented?

[The LFGTE systems market captures a diverse range of segments:](#)

1 By Type: Type I, Type II, Type III, Type IV

2 By Capacity: Small Scale Below 500 kW, Medium Scale 500 kW – 5 MW, Large Scale Above 5 MW

3 By Application: Electricity Generation, Direct Use, Combined Heat And Power CHP, Vehicle Fuel

4 By End-User: Municipalities, Industrial Sector, Utilities, Commercial Enterprise

As for emerging trends, major companies operating in the LFGTE systems market are adopting strategic partnerships to advance technology integration and outreach. A strategic partnership usually refers to a cooperative alliance of two or more organizations pooling their resources and expertise to achieve common goals or objectives.

What Are The Recent Advancements in The LFGTE Systems Market?

In recent developments, Environmental Solutions, Inc. ESI, a US-based provider of environmental solutions specializing in renewable energy projects, in collaboration with Waste Connections Inc., a US-based waste management firm, launched a groundbreaking renewable natural gas RNG processing facility at the Loess Hills Regional Sanitary Landfill. This pioneering facility, the first in western Iowa, converts landfill gas into methane, which is integrated into a natural gas pipeline. With an initial processing capacity of 1,500 standard cubic feet of gas per minute, the facility aims to ramp up to 4,000 cubic feet per minute within 15 years, with the potential to power nearly 14,000 homes annually. This project underscores ESI's dedication to sustainable energy solutions and sets a fresh benchmark for environmental innovation in the Midwest.

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