

Gas Fueled Power Rental Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034

<https://marketpublishers.com/r/G53E798FFAC5EN.html>

Date: November 2024

Pages: 105

Price: US\$ 4,850.00 (Single User License)

ID: G53E798FFAC5EN

Abstracts

The Global Gas Fueled Power Rental Market, valued at USD 4.3 billion in 2024, is projected to grow at a CAGR of 4.6% from 2025 to 2034. The market is gaining momentum due to increasing environmental regulations that encourage cleaner energy solutions and the integration of renewable energy sources into power systems. This demand is further bolstered by the rise in infrastructure projects and the growing need for reliable, temporary power solutions in various sectors.

Gas fueled power rental services involve leasing power generation equipment powered by natural gas or other gaseous fuels. These systems cater to short-term electricity needs, such as during maintenance, emergencies, construction, events, or operations in remote areas where grid access is limited. Rapid urbanization and the surge in construction activities, coupled with advancements in gas engine technology, are key drivers propelling the adoption of these solutions.

The power rating segment of >75 kVA to 375 kVA is expected to generate USD 2 billion by 2034. This growth is fueled by the increasing occurrence of weather-related disruptions, such as storms and cyclones, and the rising reliance on stable power solutions for essential operations. Technological advancements, including enhanced noise reduction and quieter operation, further improve the appeal of these systems. Regulatory policies promoting advanced, low-emission power solutions in commercial and industrial sectors drive market penetration.

The standby gas fueled power rental market is anticipated to grow at a CAGR of 4% through 2034. The expansion of critical infrastructure, such as hospitals, manufacturing facilities, and data centers, underscores the demand for reliable standby power

systems. Aging power grids and the rising need for uninterrupted power during outages contribute significantly to market growth. Additionally, increasing environmental awareness, stricter emission standards, and advancements in automation and remote monitoring technologies are reshaping industry dynamics.

U.S. power rental market is poised to reach USD 1.2 billion by 2034. Urban construction projects and consistent demand from building sites and temporary facilities are key contributors to this growth. The adoption of smart technologies for performance optimization and fuel management, coupled with advancements in operational efficiency, is further supporting industry expansion. Government incentives promoting low-emission energy solutions and growing awareness of emergency preparedness in the face of natural disasters are expected to strengthen market prospects.

As cleaner energy and reliable power solutions become priorities globally, the gas-fueled power rental market is well-positioned for steady growth, supported by innovation and evolving energy policies.

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