

Global Biomass Power Generation Market Size study & Forecast, by Feedstock (Solid biomass, Biogas, Liquid biomass, Municipal solid waste), by Application (Residential, Industrial, Commercial) and Regional Analysis, 2022-2029

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Abstracts

Global Biomass Power Generation Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. Biomass is a renewable & sustainable source of energy used to create electricity or other forms of power. Different bio-based materials are used to obtain biomass power such as Forest Residues, Crops & agricultural Co-Products, Food Waste, Animal Manure, Landfill Gas, Municipal Solid Waste Wastewater Treatment Sludge and Residues. Biomass as a renewable energy source is always and abundantly available. It has a zero-carbon footprint. The growing use of renewable sources of energy and rising concern over the emission of greenhouse gases (GHG) are key factors driving the market growth.

The increasing utilization of renewable and sustainable energy sources is contributing towards the growth of the Global Biomass Power Generation Market. For instance – as per Statista – in 2021, the production of biomass energy in the USA was estimated at 4.69 quadrillion British thermal units (Btu), and this Biomass energy production is projected to grow to 4.95 quadrillion British thermal units (Btu) by 2035, and further 5.56 quadrillion British thermal units (Btu) by 2050. Also, favorable government policies and growing investment in biogas cogeneration projects would create a lucrative growth prospectus for the market over the forecast period. However, the high cost of Biomass Power Generation stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Biomass Power Generation Market study

includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to increasing investment in renewable energy sources and the presence of leading market players in the region. Whereas Europe is expected to grow with the highest CAGR during the forecast period, owing to factors such as favorable initiatives from government authorities and increasing demand for clean energy sources in the region would offer lucrative opportunities for the market over the forecast period.

Major market player included in this report are:

Babcock & Wilcox Enterprises Inc.

E. ON SE

General Electric Co.

John Wood Group Plc

Thermax Ltd.

Valmet Oyj

Acciona SA

Ameresco Inc

Andritz AG

Vattenfall AB

Recent Developments in the Market:

In July 2020, Biopower, a joint venture between Cuba's state-owned sugar company Azcuba subsidiary Zerus and UK renewable energy developer Havana Energy, has commissioned a 60MW biomass plant with an estimated cost of USD 180 million.

Global Biomass Power Generation Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Feedstock, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries

involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Feedstock

Solid biomass

Biogas

Liquid biomass

Municipal solid waste

By Application

Residential

Industrial

Commercial

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA
Rest of the World

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