Global Biomass Pellet Market Size, Share, Development, Growth and Demand Forecast to 2020 - Industry Insights by Application (Heat Sector, Power Sector)

Description: Biomass pellets can be derived from various sources including woody plants, timber industry, sawdust, sugarcane crop, and switch grass. It is commonly used as a heating fuel. The increasing use of biomass pellets in power industry is propelling the growth of the global biomass pellet market. The growing demand for renewable energy source is one of the important factors, which is supporting the adoption of biomass pellets in the power industry. The increased government initiatives and stringent environment regulations are the key drivers promoting the growth of the global biomass pellet market.

The implementation of stringent environmental regulations across the globe is propelling the demand for efficient renewable energy sources. Fossil fuels, such as coal, natural gas, and petroleum are the primary non-renewable sources of energy across the globe. Globally, the major portion of energy requirements is fulfilled by fossil fuels. The global consumption of fossil fuels continues to increase, which is driving the rapid depletion of fossil fuels. Moreover, global warming is a major environmental challenge across the globe. The different governments and international organizations are framing stringent environmental regulations, in order to reduce the pollution and carbon emissions. This further compels the governments to adapt renewable energy technologies, such as wind, biomass, solar and tidal energy for power generation. Biomass pellets provide an efficient solution to decrease the global dependency on fossil fuels and reduce the emission of greenhouse gases in the atmosphere.

The increased level of investments in the biomass industry has propelled the technological advancement. There has been a recent upsurge worldwide in co-firing of biomass with coal, since it is a carbon neutral fuel, which helps to reduce emissions from thermal power plants. The increased demand for the adoption of biomass based power generation, along with traditional methods of power generation using fossil fuels is responsible for fuelling the growth of the global biomass pellets market.

The power sector application segment is expected to witness the fastest growth (12.4% CAGR) during 2015 - 2020, in the global market. Based on application, the heat sector segment held the largest market size, with 14,256.0 million tons volume in 2014, and it is expected to reach 27,122.3 million tons by 2020, growing with a CAGR of 8.7% during the period 2015-2020.

The global biomass pellet market was valued at $6,976.3 million in 2014, and it is expected to grow with a CAGR of 11.1% during 2015 - 2020. Europe accounted for the largest share of the global biomass pellet market with 20,000.0 million tons consumed in 2014. The major reasons behind growth of the market in the region were low GHG emission from biomass and increased government initiatives for renewable technologies. The market in Europe is expected to maintain its growth rate, mainly driven by various subsidies and legislation.

In 2014, North America accounted for the second largest share in the global biomass pellet market, in terms of value and volume. The major reason behind growth of the market in the region were increasing demand of biomass pellets in industrial sector, strict environmental regulations, and increasing concern for global warming. Therefore, the high rate of depletion of fossil fuels and increasing demand for the reduction of greenhouse gases are indirectly creating ample opportunities for the growth of the North American market.


This research offers actual historical market size for the year 2014 and estimated forecast for the period 2015 - 2020, of the global biomass pellet market in the U.S. dollars and Million Tons.

Global Biomass Pellet Market
- By Application - Heat Sector, Power Sector
Global Biomass Pellet Market, by Geography

North America Biomass Pellet Market

- North America Biomass Pellet Market Breakdown by Country - The U.S., Canada, Rest of North America
- North America Biomass Pellet Market Breakdown by Application

Europe Biomass Pellet Market

- Europe Biomass Pellet Market Breakdown by Country - Germany, Sweden, The U.K., Denmark, Italy, France, Rest of Europe
- Europe Biomass Pellet Market Breakdown by Application

Asia Biomass Pellet Market

- Asia Biomass Pellet Market Breakdown by Country - Japan, China, South Korea, Rest of Asia
- Asia Biomass Pellet Market Breakdown by Application

Latin America Biomass Pellet Market

- Latin America Biomass Pellet Market Breakdown by Country - Brazil, Rest of Latin America
- Latin America Biomass Pellet Market Breakdown by Application

Rest of the World Biomass Pellet Market

- Rest of the World Biomass Pellet Market Breakdown by Application

Contents:

1. Research Scope & Methodology
   1.1 Market Definition
   1.2 Market Scope
      1.2.1 Market breakdown by application
      1.2.2 Market breakdown by geography
   1.3 Research Methodology and Sources

2. Executive Summary
   2.1 Key Findings
   2.2 Research Summary

3. Market Outlook
   3.1 Introduction
   3.2 Trends in Biomass Pellets Market
      3.2.1 Advancement in technology
      3.2.2 Increased third-party ownership
      3.2.3 Increased focus on renewable technologies for power generation
   3.3 Factors Driving Growth of the Biomass Pellets Market
      3.3.1 Low GHG emissions from biomass
      3.3.2 Increased government initiatives for renewable technologies
      3.3.3 Need for constant energy supply
      3.3.4 Massive untapped biomass potential
   3.4 Factors Hindering Growth of the Biomass Pellets Market
      3.4.1 Increase in cost of biomass pellets
      3.4.2 Instability in global economic conditions
      3.4.3 Cost competitiveness
   3.5 Impact analysis of drivers and restraints on market forecast

   4.1 Global Biomass Pellets Market, by Application
      4.1.1 Heat sector
      4.1.2 Power sector
   4.2 Global Biomass Pellets Market, by Geography
5. Global Biomass Pellets Market, by Geography
   5.1 North America Biomass Pellets Market
   5.1.1 North America biomass pellets market, by country
   5.1.2 North America biomass pellets market, by application
   5.2 Europe Biomass Pellets Market
   5.2.1 Europe biomass pellets market, by country
   5.2.2 Europe biomass pellets market, by application
   5.3 Asia Biomass Pellets Market
   5.3.1 Asia biomass pellets market, by country
   5.3.2 Asia biomass pellets market, by application
   5.4 Latin America Biomass Pellets Market
   5.4.1 Latin America biomass pellets market, by country
   5.4.2 Latin America biomass pellets market, by application
   5.5 Rest of the World Biomass Pellets Market
   5.5.1 Rest of the World biomass pellets market, by application

6. Competitive Analysis
   6.1 Porter's Five Forces of Competitive Position Analysis
   6.1.1 Bargaining power of buyers
   6.1.2 Bargaining power of suppliers
   6.1.3 Threat of new entrants
   6.1.4 Intensity of rivalry
   6.1.5 Threat of substitutes
   6.2 Competitive Positioning of the Global Biomass Pellets Market, by Application

7. Company Profiles and Strategic Developments
   7.1 Key Company Profiles
   7.1.1 Viridis Energy Inc.
   7.1.1.1 Business overview
   7.1.1.2 Product and service offerings
   7.1.2 Drax Biomass
   7.1.2.1 Business overview
   7.1.2.2 Product and service offerings
   7.1.2.3 Current Projects
   7.1.3 Enviva Biomass
   7.1.3.1 Business overview
   7.1.3.2 Product and service offerings
   7.1.4 Westervelt Renewable Energy, LLC
   7.1.4.1 Business overview
   7.1.4.2 Product and service offerings
   7.1.5 International WoodFuels, LLC
   7.1.5.1 Business overview
   7.1.5.2 Product and service offerings
   7.1.6 Energex
   7.1.6.1 Business overview
   7.1.6.2 Product and service offerings
   7.1.7 Helius Energy Ltd.
   7.1.7.1 Business overview
   7.1.7.2 Product and service offerings
   7.1.8 Forest Energy Corporation
   7.1.8.1 Business overview
   7.1.8.2 Product and service offerings
   7.1.9 New England Wood Pellet
   7.1.9.1 Business overview
   7.1.9.2 Product and service offerings
   7.2 Strategic Developments in the Biomass Pellets Market

8. Appendix
   8.1 List of Abbreviations

List of Tables:
Table 1 Specific Primary and Secondary Sources Used For This Publication
Table 2 Global Biomass Pellets Market Snapshot
Table 3 Global Biomass Pellets Market Breakdown by Application, $M (2011 - 2014)
Table 4 Global Biomass Pellets Market Breakdown by Application, $M (2015 - 2020)
Table 5 Global Biomass Pellets Market Breakdown by Application, Million Tons (2011 - 2014)
Table 6 Global Biomass Pellets Market Breakdown by Application, Million Tons (2015 - 2020)
Table 7 Global Biomass Pellets Market Breakdown by Geography, $M (2011 - 2014)
Table 8 Global Biomass Pellets Market Breakdown by Geography, $M (2015 - 2020)
Table 9 Global Biomass Pellets Market Breakdown by Geography, Million Tons (2011 - 2014)
Table 10 Global Biomass Pellets Market Breakdown by Geography, Million Tons (2015 - 2020)
Table 11 North America Biomass Pellets Market Breakdown by Country, $M (2011 - 2014)
Table 12 North America Biomass Pellets Market Breakdown by Country, $M (2015 - 2020)
Table 13 North America Biomass Pellets Market Breakdown by Country, Million Tons (2011 - 2014)
Table 14 North America Biomass Pellets Market Breakdown by Country, Million Tons (2015 - 2020)
Table 15 North America Biomass Pellets Market Breakdown by Application, $M (2011 - 2014)
Table 16 North America Biomass Pellets Market Breakdown by Application, $M (2015 - 2020)
Table 17 North America Biomass Pellets Market Breakdown by Application, Million Tons (2011 - 2014)
Table 18 North America Biomass Pellets Market Breakdown by Application, Million Tons (2015 - 2020)
Table 19 Europe Biomass Pellets Market Breakdown by Country, $M (2011 - 2014)
Table 20 Europe Biomass Pellets Market Breakdown by Country, $M (2015 - 2020)
Table 21 Europe Biomass Pellets Market Breakdown by Country, Million Tons (2011 - 2014)
Table 22 Europe Biomass Pellets Market Breakdown by Country, Million Tons (2015 - 2020)
Table 23 Europe Biomass Pellets Market Breakdown by Application, $M (2011 - 2014)
Table 24 Europe Biomass Pellets Market Breakdown by Application, $M (2015 - 2020)
Table 25 Europe Biomass Pellets Market Breakdown by Application, Million Tons (2011 - 2014)
Table 26 Europe Biomass Pellets Market Breakdown by Application, Million Tons (2015 - 2020)
Table 27 Asia Biomass Pellets Market Breakdown by Country, $M (2011 - 2014)
Table 28 Asia Biomass Pellets Market Breakdown by Country, $M (2015 - 2020)
Table 29 Asia Biomass Pellets Market Breakdown by Country, Million Tons (2011 - 2014)
Table 30 Asia Biomass Pellets Market Breakdown by Country, Million Tons (2015 - 2020)
Table 31 Asia Biomass Pellets Market Breakdown by Application, $M (2011 - 2014)
Table 32 Asia Biomass Pellets Market Breakdown by Application, $M (2015 - 2020)
Table 33 Asia Biomass Pellets Market Breakdown by Application, Million Tons (2011 - 2014)
Table 34 Asia Biomass Pellets Market Breakdown by Application, Million Tons (2015 - 2020)
Table 35 Latin America Biomass Pellets Market Breakdown by Country, $M (2011 - 2014)
Table 36 Latin America Biomass Pellets Market Breakdown by Country, $M (2015 - 2020)
Table 37 Latin America Biomass Pellets Market Breakdown by Country, Million Tons (2011 - 2014)
Table 38 Latin America Biomass Pellets Market Breakdown by Country, Million Tons (2015 - 2020)
Table 39 Latin America Biomass Pellets Market Breakdown by Application, $M (2011 - 2014)
Table 40 Latin America Biomass Pellets Market Breakdown by Application, $M (2015 - 2020)
Table 41 Latin America Biomass Pellets Market Breakdown by Application, Million Tons (2011 - 2014)
Table 42 Latin America Biomass Pellets Market Breakdown by Application, Million Tons (2015 - 2020)
Table 43 Row Biomass Pellets Market Breakdown by Application, $M (2011 - 2014)
Table 44 Row Biomass Pellets Market Breakdown by Application, $M (2015 - 2020)
Table 45 Row Biomass Pellets Market Breakdown by Application, Million Tons (2011 - 2014)
Table 46 Row Biomass Pellets Market Breakdown by Application, Million Tons (2015 - 2020)
Table 47 Viridis Energy Inc. - Key Facts
Table 48 Products of Viridis Energy Inc.
Table 49 Drax Biomass - Key Facts
Table 50 Current Projects of Drax Biomass
Table 51 Enviva Biomass - Key Facts
Table 52 Products of Enviva
Table 53 Westervelt Renewable Energy, Llc. - Key Facts
Table 54 International Woodfuels, Llc. - Key Facts
Table 55 Energex - Key Facts
Table 56 Helius Energy Ltd. - Key Facts
Table 57 Forest Energy Corporation - Key Facts
Table 58 New England Wood Pellet - Key Facts

List of Figures:
Fig 1 Research Scope For Global Biomass Pellets Market
Fig 2 Research Methodology For Global Biomass Pellets Market
Fig 3 Major Applications of Biomass Pellets
Fig 4 Drivers and Restraints For The Market Impact Analysis
Fig 5 Global Biomass Pellets Market Size by Application, $M (2011 - 2020)
Fig 6 Global Biomass Pellets Market Size by Application, Million Tons (2011 - 2020)
Fig 7 Global Biomass Pellets Market Size by Geography, $M (2011 - 2020)
Fig 8 Global Biomass Pellets Market Size by Geography, Million Tons (2011 - 2020)
Fig 9 Global Biomass Pellets Market Size, by Geography
Fig 10 North America Biomass Pellets Market Share, by Country, Based On Value (2014)
Fig 11 North America Biomass Pellets Market Share, by Country, Based On Volume (2014)
Fig 12 North America Biomass Pellets Market Share, by Application, Based On Value (2014)
Fig 13 North America Biomass Pellets Market Share, by Application, Based On Volume (2014)
Fig 14 Europe Biomass Pellets Market Share, by Country, Based On Value (2014)
Fig 15 Europe Biomass Pellets Market Share, by Country, Based On Volume (2014)
Fig 16 Europe Biomass Pellets Market Share, by Application, Based On Value (2014)
Fig 17 Europe Biomass Pellets Market Share, by Application, Based On Volume (2014)
Fig 18 Asia Biomass Pellets Market Share, by Country, Based On Value (2014)
Fig 19 Asia Biomass Pellets Market Share, by Country, Based On Volume (2014)
Fig 20 Asia Biomass Pellets Market Share, by Application, Based On Value (2014)
Fig 21 Asia Biomass Pellets Market Share, by Application, Based On Volume (2014)
Fig 22 Latin America Biomass Pellets Market Share, by Country, Based On Value (2014)
Fig 23 Latin America Biomass Pellets Market Share, by Country, Based On Volume (2014)
Fig 24 Latin America Biomass Pellets Market Share, by Application, Based On Value (2014)
Fig 25 Latin America Biomass Pellets Market Share, by Application, Based On Volume (2014)
Fig 26 Row Biomass Pellets Market Share, by Application, Based On Value (2014)
Fig 27 Row Biomass Pellets Market Share, by Application, Based On Volume (2014)
Fig 28 Porter’S Five Forces of Competitive Position Analysis
Fig 29 Competitive Positioning of Global Biomass Pellets Market, by Application

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