

# NORTH AMERICA BIOFUELS AND BIODIESEL MARKET FORECAST 2017-2024

https://marketpublishers.com/r/N0911167234EN.html

Date: November 2017

Pages: 89

Price: US\$ 1,250.00 (Single User License)

ID: N0911167234EN

## **Abstracts**

#### **KEY FINDINGS**

The North America biofuels and biodiesel market accounted for \$58209 million in 2016 and is expected to reach \$83394 million in 2024 growing at a CAGR of 4.8% during 2017-2024. The forecast period is from 2017 to 2024 while the base year is deliberated at 2016. Government approval and support for bio-based fuel alternatives, feedstock availability, and increasing biofuels application are few of the major drivers propelling the market growth in the North America region.

#### MARKET INSIGHTS

The North America biofuels and biodiesel market is segmented by feedstock on the basis of simple and complex Lignocellulose, Syngas/Biomass/MSW, Algae-based biofuel, sugar and starches, oil and fats market and other feedstock. It is further segmented by type on the basis of Cellulosic Ethanol, vegetable oil, biogas, bioalcohols, biodiesel, biobutanol, bio dme and others. The major challenges faced by the market of biofuels and biodiesel in the Europe region are increasing competition among players and strict rules and regulations.

#### COMPETITIVE INSIGHTS

The major players in the biofuels and biodiesel market are Abengoa Bioenergy, Algenol Biofuels, Australian Renewables Fuel Ltd, Aventine Renewable energy holdings, Blue Fire Renewables, Clariant SE, Dupont Industrial Biosciences, Fiberlight LLC, Granbio, Inbicon Ineos Bios, Poet-DSM Advanced Biofuels LLC, Renewable energy group, Petrobras and Zeachem Inc.







## **Contents**

#### 1. RESEARCH SCOPE

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

#### 2. RESEARCH METHODOLOGY

- 2.1. SOURCES OF DATA
  - 2.1.1. SECONDARY DATA
  - 2.1.2. PRIMARY DATA
- 2.2. BOTTOM-UP APPROACH
- 2.3. TOP DOWN APPROACH
- 2.4. DATA TRIANGULATION

#### 3. EXECUTIVE SUMMARY

- 3.1. MARKET SUMMARY
- 3.2. KEY FINDINGS
  - 3.2.1. FLUCTUATING PETROLEUM PRICES DRIVING DEMAND FOR BIOFUELS
  - 3.2.2. RAPIDLY SHIFTING FOCUS TO SECOND GENERATION BIOFUELS
  - 3.2.3. GOVERNMENT ENCOURAGING DEVELOPMENT AND USE OF BIOFUELS

#### 4. MARKET DYNAMICS

- 4.1. ETYMOLOGY OF THE BIOFUELS MARKET
- 4.2. BENEFITS AND LIMITATION OF BIOFUELS MARKET
- 4.3. MARKET DEFINITION AND SCOPE
- 4.4. KEY MARKET DRIVERS
  - 4.4.1. INCREASING AVAILABILITY OF FEEDSTOCKS
  - 4.4.2. MULTIPLE APPLICATIONS FOR BIOFUELS
  - 4.4.3. SUSTAINABILITY QUESTIONS RAISED BY UN AND OTHERS
- 4.5. MARKET RESTRAINTS
  - 4.5.1. VOLATILITY IN OIL PRICES
  - 4.5.2. BARRIERS IN RETAILING, DISTRIBUTION, AND DEVELOPMENT OF FUELS
- 4.6. MARKET OPPORTUNITIES



- 4.6.1. RISING DEMAND FOR BIODIESEL IN DEVELOPING REGIONS
- 4.6.2. INCREASING FOCUS ON AFFORDABLE, RELIABLE AND SUSTAINABLE ENERGY
- 4.7. MARKET CHALLENGES
  - 4.7.1. STRINGENT RULES AND REGULATIONS
  - 4.7.2. RISE IN COMPETITION AMONG KEY PLAYERS

#### 5. GLOBAL BIOFUELS MARKET BY FEEDSTOCK

- 5.1. SIMPLE AND COMPLEX LIGNOCELLULOSE
- 5.2. SYNGAS/BIOMASS/MSW
- 5.3. ALGAE-BASED BIOFUEL
- 5.4. SUGAR AND STARCHES
- 5.5. OILS AND FATS
- 5.6. OTHER FEEDSTOCK

#### 6. GLOBAL BIOFUELS MARKET BY TYPE

- 6.1. CELLULOSIC ETHANOL
- 6.2. VEGETable OIL
- 6.3. BIOGAS
- 6.4. BIO-ALCOHOLS
- 6.5. BIODIESEL
- 6.6. BIOBUTANOL
- 6.7. BIO DME
- 6.8. OTHERS

#### 7. KEY ANALYTICS

- 7.1. PORTER'S 5 FORCES ANALYSIS
  - 7.1.1. THREAT OF NEW ENTRANTS
  - 7.1.2. THREAT OF SUBSTITUTE
  - 7.1.3. BARGAINING POWER OF SUPPLIERS
  - 7.1.4. BARGAINING POWER OF BUYERS
  - 7.1.5. INTENSITY OF COMPETITIVE RIVALRY
- 7.2. KEY INSIGHTS
  - 7.2.1. IMPORTANT EMERGING MARKETS
- 7.2.2. IMPORTANT REVENUE GENERATING SEGMENTS
- 7.2.3. APPLICATION INSIGHTS



- 7.2.4. STRATEGIC CONCLUSION
- 7.2.5. SECTOR ANALYSIS
- 7.3. VENDOR LANDSCAPE
- 7.4. OPPORTUNITY MATRIX
- 7.5. LEGAL, POLICY & REGULATORY FRAMEWORK
- 7.6. KEY BUYING CRITERIA
  - 7.6.1. PRICE
  - 7.6.2. REGULATION
  - 7.6.3. ENVIRONMENT CONCERN
  - 7.6.4. AVAILABILITY
- 7.7. INVESTMENT OPPORTUNITIES
  - 7.7.1. REGIONAL OPPORTUNITIES
  - 7.7.2. FEEDSTOCK SEGMENT-WISE OPPORTUNITIES

#### 8. GEOGRAPHIC ANALYSIS

- 8.1. U.S.
- 8.2. CANADA

#### 9. COMPETITIVE LANDSCAPE

- 9.1. MARKET SHARE ANALYSIS
- 9.2. CORPORATE STRATEGIES
- 9.3. COMPANY PROFILES
  - 9.3.1. ABENGOA BIOENERGY
    - 9.3.1.1. OVERVIEW
    - 9.3.1.2. PRODUCT PORTFOLIO
    - 9.3.1.3. SCOT ANALYSIS
    - 9.3.1.4. STRATEGIC INITIATIVES
  - 9.3.2. ALGENOL BIOFUELS
    - 9.3.2.1. OVERVIEW
    - 9.3.2.2. PRODUCT PORTFOLIO
    - 9.3.2.3. SCOT ANALYSIS
    - 9.3.2.4. STRATEGIC INITIATIVES
  - 9.3.3. AUSTRALIAN RENEWABLES FUEL LIMITED
    - 9.3.3.1. OVERVIEW
    - 9.3.3.2. PRODUCT PORTFOLIO
    - 9.3.3.3. SCOT ANALYSIS
    - 9.3.3.4. STRATEGIC INITIATIVE



- 9.3.4. AVENTINE RENEWABLE ENERGY HOLDINGS, INC.
  - 9.3.4.1. OVERVIEW
- 9.3.5. BLUE FIRE RENEWABLES
  - 9.3.5.1. OVERVIEW
  - 9.3.5.2. PRODUCT PORTFOLIO
  - 9.3.5.3. SCOT ANALYSIS
  - 9.3.5.4. STRATEGIC MOVES
- 9.3.6. CLARIANT SE
  - 9.3.6.1. OVERVIEW
  - 9.3.6.2. PRODUCT PORTFOLIO
  - 9.3.6.3. SCOT ANALYSIS
  - 9.3.6.4. STRATEGIC MOVES
- 9.3.7. DUPONT INDUSTRIAL BIOSCIENCES
  - 9.3.7.1. OVERVIEW
  - 9.3.7.2. PRODUCT PORTFOLIO
  - 9.3.7.3. SCOT ANALYSIS
  - 9.3.7.4. STRATEGIC MOVES
- 9.3.8. FIBERIGHT LLC
  - 9.3.8.1. OVERVIEW
  - 9.3.8.2. PRODUCT PORTFOLIO
  - 9.3.8.3. SCOT ANALYSIS
  - 9.3.8.4. STRATEGIC MOVES
- 9.3.9. GRANBIO
  - 9.3.9.1. OVERVIEW
  - 9.3.9.2. PRODUCT PORTFOLIO
  - 9.3.9.3. SCOT ANALYSIS
  - 9.3.9.4. STRATEGIC MOVES
- 9.3.10. INBICON
  - 9.3.10.1. OVERVIEW
  - 9.3.10.2. PRODUCT PORTFOLIO
  - 9.3.10.3. SCOT ANALYSIS
  - 9.3.10.4. STRATEGIC MOVES
- 9.3.11. INEOS BIOS
  - 9.3.11.1. OVERVIEW
  - 9.3.11.2. PRODUCT PORTFOLIO
  - 9.3.11.3. SCOT ANALYSIS
- 9.3.12. POET-DSM ADVANCED BIOFUELS LLC
  - 9.3.12.1. OVERVIEW
  - 9.3.12.2. PRODUCT PORTFOLIO



- 9.3.12.3. SCOT ANALYSIS
- 9.3.12.4. STRATEGIC MOVES
- 9.3.13. RENEWABLE ENERGY GROUP
  - 9.3.13.1. OVERVIEW
  - 9.3.13.2. PRODUCT PORTFOLIO
  - **9.3.13.3. SCOT ANALYSIS**
- 9.3.13.4. STRATEGIC MOVES
- 9.3.14. PETROBRAS
  - 9.3.14.1. OVERVIEW
  - 9.3.14.2. PRODUCT PORTFOLIO
  - 9.3.14.3. SCOT ANALYSIS
  - 9.3.14.4. STRATEGIC MOVES
- 9.3.15. ZEACHEM INC.
  - 9.3.15.1. OVERVIEW
  - 9.3.15.2. PRODUCT PORTFOLIO
  - 9.3.15.3. SCOT ANALYSIS
  - 9.3.15.4. STRATEGIC MOVES



## **List Of Tables**

#### LIST OF TABLES

Table 1 NORTH AMERICA BIOFUELS MARKET BY TYPES (IN \$ MILLION) 2017-2024 Table 2 MAJOR TARGETS FOR BIO-BASED INDUSTRY

Table 3 NORTH AMERICA BIOFUEL MARKET BY FEEDSTOCK MARKET 2017-2024 (\$MILLION)

Table 4 MOISTURE CONTENT OF POTENTIALLY AVAILABLE LIGNOCELLULOSIC BIOMASS AVAILABLE IN THE U.S. (DRY TON/ACRE)

Table 5 MAJOR BIOMASS FEEDSTOCK USED FOR THE PRODUCTION OF BIOFUELS

Table 6 AMOUNT OF OIL PRODUCED BY EACH STRAIN OF ALGAE BY DRY WEIGHT

Table 7 NORTH AMERICA BIOFUEL MARKET BY TYPE 2017-2024 (\$MILLION)

Table 8 ENERGY CONTENT IN COMPARISON TO OTHER FUELS

Table 9 TOP COUNTRIES WITH THEIR GROWTH RATE

Table 10 REVENUE GENERATION FROM DIFFERENT SEGMENTS 2017-2024 (\$BILLION)

Table 11 NORTH AMERICA BIOFUEL MARKET BY COUNTRY 2017-2024 (\$MILLION)

Table 12 INCENTIVE RATE PROVIDED BY GOVERNMENT OF CANADA FOR

**BIOFUEL PRODUCTION** 

Table 13 STRATEGIC MOVES



# **List Of Figures**

#### LIST OF FIGURES

Figure 1 KEY DATA FROM SECONDARY SOURCES

Figure 2 KEY DATA FROM PRIMARY SOURCES

Figure 3 GROSS ENERGY CONSUMPTION OF BIOENERGY 2004-2014

Figure 4 U.S. BIOFUEL CONSUMPTION (IN TRILLION BRITISH THERMAL UNIT)

Figure 5 BIO-DIESEL PRODUCTION IN KEY COUNTRIES IN 2016 (IN BILLION LITERS)

Figure 6 PRODUCTION OF CELLULOSIC BIOMASS

Figure 7 SOLID WASTE PERCENTAGE IN MSW

Figure 8 USAGE OF ALGAE COMPONENTS

Figure 9 PRODUCTION OF BIOFUEL FROM ALGAE

Figure 10 ADVANTAGES AND DISADVANTAGES OF ALGAE

Figure 11 ADVANTAGES AND DISADVANTAGES OF ANIMAL FATS FOR THE PRODUCTION OF BIO-DIESEL

Figure 12 MAJOR BIOMASS FEEDSTOCK USED FOR THE PRODUCTION OF BIOFUELS

Figure 13 LARGEST BIOETHANOL PRODUCING COUNTRIES IN 2015 (BILLION LITERS)

Figure 14 MAJOR BIODIESEL FEEDSTOCK IN 2014

Figure 15 PRODUCTION OF BIODIESEL 2014-2016

Figure 16 ENERGY DENSITY OF BIOETHER AND BIODIESEL (MJ/KG)

Figure 17 ENERGY DENSITY OF SOLID BIOFUELS

Figure 18 BIOFUELS MARKET: PORTER'S MODEL

Figure 19 GROSS BIOENERGY CONSUMPTION 2015

Figure 20 TOP 10 BIOETHANOL PRODUCERS, IN 2015

Figure 21 ENERGY SUPPLY SOURCES BIOMASS

Figure 22 TECHNICAL POTENTIAL OF BIO-FUELS IN 2050 AND ENERGY DEMAND

FOR THE TRANSPORT SECTOR IN 2030

Figure 23 CORN, SUGARCANE, and SUGARBEET PRODUCTION IN U.S. (MILLION TONS)

Figure 24 U.S. ANNUAL PRODUCTION OF ETHANOL AND BIODIESEL (BILLION GALLONS PER YEAR)

Figure 25 MARKET SHARE 2015



#### I would like to order

Product name: NORTH AMERICA BIOFUELS AND BIODIESEL MARKET FORECAST 2017-2024

Product link: <a href="https://marketpublishers.com/r/N0911167234EN.html">https://marketpublishers.com/r/N0911167234EN.html</a>

Price: US\$ 1,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/N0911167234EN.html">https://marketpublishers.com/r/N0911167234EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970