

# Global Renewable Energy Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

<https://marketpublishers.com/r/G9C1236FCECEN.html>

Date: February 2017

Pages: 0

Price: US\$ 3,619.00 (Single User License)

ID: G9C1236FCECEN

## Abstracts

Energy obtained from renewable resources, that is, the energy obtained from sources that can naturally replenish themselves on a timely basis is referred to as renewable energy. Renewable resources include tides, wind, sunlight, geothermal heat, waves, rain, biomass, and similar ones. The current trend in the global energy and power industry is to maximize the utilization of renewable energy for power generation and minimize the use of conventional fossil fuels. The dire need of the hour is to reduce the use of fossil fuels as much as possible to prevent further damage to the environment. The global renewable energy market is expected to grow at a CAGR of 11.5% from 2017 to 2025.

Based on the source, the renewable energy market is divided into wind, sunlight, oceanic (tides and thermal), biomass, and geothermal heat. According to type, the market is categorized into biofuels (solid, liquid, and gaseous), solar photovoltaic, wind energy (horizontal and vertical axis wind turbines), geothermal energy, and hydroelectric power. The solar photovoltaic market is divided into crystalline (monocrystalline and polycrystalline), amorphous, and others. Geothermal energy is further subdivided into dry steam, flash steam, and binary cycle. Based on application, the market is segmented into power generation, heating, and auto fuel. On the basis of end-use industry, the market is bifurcated across residential, commercial, healthcare, industrial, and transportation segments. Geographic breakdown and deep analysis of each of the aforesaid segments have resulted in the following regions: North America, Europe, Asia-Pacific, and LAMEA.

## MARKET DYNAMICS:

Drivers:

Rise in global pollution and the need to adopt environment friendly technologies is supporting the growth of renewable energy market.

Government support schemes and policies, tax incentives, funding, and regulations are encouraging market players to bring innovation to the existing technologies.

Rising awareness and shifting preferences toward ecofriendly practices is fueling market growth.

#### Restraints:

Complex processing operation coupled with high initial investment costs is expected to hinder market growth.

#### MARKET PLAYERS:

The top players in the global renewable energy market include Yingli Green Energy Hold. Co. Ltd., U.S. Geothermal Inc., Suntech Power Holding Co. Ltd, Trina Solar Ltd, Q-Cells SE, Hydro-Quebec, Amesa Corporacion Tecnologica SA, Enercon GmbH, Cosan SA Industria E Comercio., and Archer Daniels Midland Company.

#### KEY TAKEAWAYS

#### MARKET LANDSCAPE

##### By Source

Wind

Sunlight

Oceanic

Tides

	Thermal
	Biomass
	Geothermal Heat
By Type	
	Biofuels
	Solid
	Liquid
	Gaseous
	Solar Photovoltaic
	Crystalline Silicon Photovoltaic
	Monocrystalline Silicon Photovoltaic
	Polycrystalline Silicon Photovoltaic
	Amorphous/Thin-film Silicon Photovoltaic
	Others
	Wind Energy
	Horizontal Axis Wind Turbines
	Vertical Axis Wind Turbines
	Geothermal Energy
	Dry Steam

Flash Steam

Binary Cycle

Hydroelectric Power

By Application

Power Generation

Heating

Auto fuel

End-use Industry

Residential

Commercial

Healthcare

Industrial

Transportation

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1. Key Findings
- 1.2. Market Attractiveness and Trend analysis
- 1.3. Competitive Landscape and recent industry development analysis

### 2. INTRODUCTION

- 2.1. Report Description
- 2.2. Scope and Definitions
- 2.3. Research Methodology

### 3. MARKET LANDSCAPE

- 3.1. Growth Drivers
  - 3.1.1. Impact Analysis
- 3.2. Restraints and Challenges
  - 3.2.1. Impact Analysis
- 3.3. Porter's Analysis
  - 3.3.1. Bargaining power of buyers
  - 3.3.2. Bargaining power of suppliers
  - 3.3.3. Threat of substitutes
  - 3.3.4. Industry rivalry
  - 3.3.5. Threat of new entrants
- 3.4. Global Renewable Energy Market Shares Analysis, 2014-2025
  - 3.4.1. Global renewable energy market share by source, 2014-2025
  - 3.4.2. Global renewable energy market share by type, 2014-2025
  - 3.4.3. Global renewable energy market share by application, 2014-2025
  - 3.4.4. Global renewable energy market share by end-use industry, 2014-2025
  - 3.4.5. Global renewable energy market share by geography, 2014-2025

### 4. MARKET BY SOURCE

- 4.1. Wind
  - 4.1.1. Historical Market Size by Region, 2014-2016
  - 4.1.2. Market Forecast by Region, 2017-2025
- 4.2. Sunlight

4.2.1. Historical Market Size by Region, 2014-2016

4.2.2. Market Forecast by Region, 2017-2025

4.3. Oceanic

4.3.1. Historical Market Size by Region, 2014-2016

4.3.2. Market Forecast by Region, 2017-2025

4.3.3. Tides

4.3.4. Thermal

4.4. Biomass

4.4.1. Historical Market Size by Region, 2014-2016

4.4.2. Market Forecast by Region, 2017-2025

4.5. Geothermal Heat

4.5.1. Historical Market Size by Region, 2014-2016

4.5.2. Market Forecast by Region, 2017-2025

## **5. MARKET BY TYPE**

5.1. Biofuels

5.1.1. Historical Market Size by Region, 2014-2016

5.1.2. Market Forecast by Region, 2017-2025

5.1.3. Solid

5.1.4. Liquid

5.1.5. Gaseous

5.2. Solar Photovoltaic

5.2.1. Historical Market Size by Region, 2014-2016

5.2.2. Market Forecast by Region, 2017-2025

5.2.3. Crystalline Silicon Photovoltaic

5.2.3.1. Monocrystalline Silicon Photovoltaic

5.2.3.2. Polycrystalline Silicon Photovoltaic

5.2.4. Amorphous/Thin-film Silicon Photovoltaic

5.2.5. Others

5.3. Wind Energy

5.3.1. Historical Market Size by Region, 2014-2016

5.3.2. Market Forecast by Region, 2017-2025

5.3.3. Horizontal Axis Wind Turbines

5.3.4. Vertical Axis Wind Turbines

5.4. Geothermal Energy

5.4.1. Historical Market Size by Region, 2014-2016

5.4.2. Market Forecast by Region, 2017-2025

5.4.3. Dry Steam

5.4.4. Flash Steam

5.4.5. Binary Cycle

5.5. Hydroelectric Power

5.5.1. Historical Market Size by Region, 2014-2016

5.5.2. Market Forecast by Region, 2017-2025

## **6. MARKET BY APPLICATION**

6.1. Power Generation

6.1.1. Historical Market Size by Region, 2014-2016

6.1.2. Market Forecast by Region, 2017-2025

6.2. Heating

6.2.1. Historical Market Size by Region, 2014-2016

6.2.2. Market Forecast by Region, 2017-2025

6.3. Auto fuel

6.3.1. Historical Market Size by Region, 2014-2016

6.3.2. Market Forecast by Region, 2017-2025

## **7. MARKET BY END-USE INDUSTRY**

7.1. Residential

7.1.1. Historical Market Size by Region, 2014-2016

7.1.2. Market Forecast by Region, 2017-2025

7.2. Commercial

7.2.1. Historical Market Size by Region, 2014-2016

7.2.2. Market Forecast by Region, 2017-2025

7.3. Healthcare

7.3.1. Historical Market Size by Region, 2014-2016

7.3.2. Market Forecast by Region, 2017-2025

7.4. Industrial

7.4.1. Historical Market Size by Region, 2014-2016

7.4.2. Market Forecast by Region, 2017-2025

7.5. Transportation

7.5.1. Historical Market Size by Region, 2014-2016

7.5.2. Market Forecast by Region, 2017-2025

## **8. MARKET BY GEOGRAPHY**

8.1. North America



### 8.1.1. U.S.

8.1.1.1. Historical Market Size, 2014-2016

8.1.1.2. Market Forecast, 2017-2025

### 8.1.2. Canada

8.1.2.1. Historical Market Size, 2014-2016

8.1.2.2. Market Forecast, 2017-2025

### 8.1.3. Mexico

8.1.3.1. Historical Market Size, 2014-2016

8.1.3.2. Market Forecast, 2017-2025

## 8.2. Europe

### 8.2.1. UK

8.2.1.1. Historical Market Size, 2014-2016

8.2.1.2. Market Forecast, 2017-2025

### 8.2.2. Germany

8.2.2.1. Historical Market Size, 2014-2016

8.2.2.2. Market Forecast, 2017-2025

### 8.2.3. France

8.2.3.1. Historical Market Size, 2014-2016

8.2.3.2. Market Forecast, 2017-2025

### 8.2.4. Spain

8.2.4.1. Historical Market Size, 2014-2016

8.2.4.2. Market Forecast, 2017-2025

### 8.2.5. Italy

8.2.5.1. Historical Market Size, 2014-2016

8.2.5.2. Market Forecast, 2017-2025

### 8.2.6. Rest of Europe

8.2.6.1. Historical Market Size, 2014-2016

8.2.6.2. Market Forecast, 2017-2025

## 8.3. Asia-Pacific

### 8.3.1. China

8.3.1.1. Historical Market Size, 2014-2016

8.3.1.2. Market Forecast, 2017-2025

### 8.3.2. Japan

8.3.2.1. Historical Market Size, 2014-2016

8.3.2.2. Market Forecast, 2017-2025

### 8.3.3. India

8.3.3.1. Historical Market Size, 2014-2016

8.3.3.2. Market Forecast, 2017-2025

### 8.3.4. Australia

- 8.3.4.1. Historical Market Size, 2014-2016
- 8.3.4.2. Market Forecast, 2017-2025
- 8.3.5. South Korea
  - 8.3.5.1. Historical Market Size, 2014-2016
  - 8.3.5.2. Market Forecast, 2017-2025
- 8.3.6. Rest of Asia-Pacific
  - 8.3.6.1. Historical Market Size, 2014-2016
  - 8.3.6.2. Market Forecast, 2017-2025
- 8.4. LAMEA
  - 8.4.1. Brazil
    - 8.4.1.1. Historical Market Size, 2014-2016
    - 8.4.1.2. Market Forecast, 2017-2025
  - 8.4.2. South Arabia
    - 8.4.2.1. Historical Market Size, 2014-2016
    - 8.4.2.2. Market Forecast, 2017-2025
  - 8.4.3. South Africa
    - 8.4.3.1. Historical Market Size, 2014-2016
    - 8.4.3.2. Market Forecast, 2017-2025
  - 8.4.4. Rest of LAMEA
    - 8.4.4.1. Historical Market Size, 2014-2016
    - 8.4.4.2. Market Forecast, 2017-2025

## **9. COMPANY PROFILES**

- 9.1. Archer Daniels Midland Company
  - 9.1.1. Overview
  - 9.1.2. Financials and business segments
  - 9.1.3. Recent developments
- 9.2. Amesa Corporacion Tecnologica SA
  - 9.2.1. Overview
  - 9.2.2. Financials and business segments
  - 9.2.3. Recent developments
- 9.3. Cosan SA Industria E Comercio
  - 9.3.1. Overview
  - 9.3.2. Financials and business segments
  - 9.3.3. Recent developments
- 9.4. Enercon GmbH
  - 9.4.1. Overview
  - 9.4.2. Financials and business segments

- 9.4.3. Recent developments
- 9.5. Hydro-Quebec
  - 9.5.1. Overview
  - 9.5.2. Financials and business segments
  - 9.5.3. Recent developments
- 9.6. Q-Cells SE
  - 9.6.1. Overview
  - 9.6.2. Financials and business segments
  - 9.6.3. Recent developments
- 9.7. Suntech Power Holding Co. Ltd
  - 9.7.1. Overview
  - 9.7.2. Financials and business segments
  - 9.7.3. Recent developments
- 9.8. Trina Solar Ltd
  - 9.8.1. Overview
  - 9.8.2. Financials and business segments
  - 9.8.3. Recent developments
- 9.9. U.S. Geothermal Inc.
  - 9.9.1. Overview
  - 9.9.2. Financials and business segments
  - 9.9.3. Recent developments
- 9.10. Yingli Green Energy Hold. Co. Ltd.
  - 9.10.1. Overview
  - 9.10.2. Financials and business segments
  - 9.10.3. Recent developments

## List Of Tables

### LIST OF TABLES

- Table 1. Renewable Energy Market Share, by Source, 2014-2025, \$million
- Table 2. Renewable Energy Market Share, by Type, 2014-2025, \$million
- Table 3. Renewable Energy Market Share, by Application, 2014-2025, \$million
- Table 4. Renewable Energy Market Share, by End-use Industry, 2014-2025, \$million
- Table 5. Renewable Energy Market Share, by Region, 2014-2025, \$million
- Table 6. Renewable Energy Market Valuefor Wind, by Region, 2017-2025, \$million
- Table 7. Renewable Energy Market Valuefor Sunlight, by Region, 2017-2025, \$million
- Table 8. Renewable Energy Market Valuefor Oceanic, by Region, 2017-2025, \$million
- Table 9. Renewable Energy Market Valuefor Oceanic, by Type, 2014-2025, \$million
- Table 10. Renewable Energy Market Valuefor Biomass, by Region, 2017-2025, \$million
- Table 11. Renewable Energy Market Valuefor Geothermal Heat, by Region, 2017-2025, \$million
- Table 12. Renewable Energy Market Valuefor Biofuels, by Region, 2017-2025, \$million
- Table 13. Renewable Energy Market Valuefor Biofuels, by Type, 2014-2025, \$million
- Table 14. Renewable Energy Market Valuefor Solar Photovoltaic, by Region, 2017-2025, \$million
- Table 15. Renewable Energy Market Valuefor Solar Photovoltaic, by Type, 2014-2025, \$million
- Table 16. Renewable Energy Market Valuefor Wind Energy, by Region, 2017-2025, \$million
- Table 17. Renewable Energy Market Valuefor Wind Energy, by Type, 2014-2025, \$million
- Table 18. Renewable Energy Market Valuefor Geothermal Energy, by Region, 2017-2025, \$million
- Table 19. Renewable Energy Market Valuefor Geothermal Energy, by Type, 2014-2025, \$million
- Table 20. Renewable Energy Market Valuefor Hydroelectric Power, by Region, 2017-2025, \$million
- Table 21. Renewable Energy Market Valuefor Power Generation, by Region, 2017-2025, \$million
- Table 22. Renewable Energy Market Valuefor Heating, by Region, 2017-2025, \$million
- Table 23. Renewable Energy Market Valuefor Auto fuel, by Region, 2017-2025, \$million
- Table 24. Renewable Energy Market Valuefor Residential, by Region, 2017-2025, \$million
- Table 25. Renewable Energy Market Valuefor Commercial, by Region, 2017-2025, \$million

\$million

Table 26. Renewable Energy Market Valuefor Healthcare, by Region, 2017-2025, \$million

Table 27. Renewable Energy Market Valuefor Industrial, by Region, 2017-2025, \$million

Table 28. Renewable Energy Market Valuefor Transportation, by Region, 2017-2025, \$million

Table 29. Renewable Energy Market Valuefor North America, by Country, 2014-2025, \$million

Table 30. Renewable Energy Market Valuefor North America, by Source, 2014-2025, \$million

Table 31. Renewable Energy Market Valuefor North America, by Type, 2014-2025, \$million

Table 32. Renewable Energy Market Valuefor North America, by Application, 2014-2025, \$million

Table 33. Renewable Energy Market Valuefor North America, by End-use Industry, 2014-2025, \$million

Table 34. Renewable Energy Market Valuefor Europe, by Country, 2014-2025, \$million

Table 35. Renewable Energy Market Valuefor Europe, by Source, 2014-2025, \$million

Table 36. Renewable Energy Market Valuefor Europe, by Type, 2014-2025, \$million

Table 37. Renewable Energy Market Valuefor Europe, by Application, 2014-2025, \$million

Table 38. Renewable Energy Market Valuefor Europe, by End-use Industry, 2014-2025, \$million

Table 39. Renewable Energy Market Valuefor Asia-Pacific, by Country, 2014-2025, \$million

Table 40. Renewable Energy Market Valuefor Asia-Pacific, by Source, 2014-2025, \$million

Table 41. Renewable Energy Market Valuefor Asia-Pacific, by Type, 2014-2025, \$million

Table 42. Renewable Energy Market Valuefor Asia-Pacific, by Application, 2014-2025, \$million

Table 43. Renewable Energy Market Valuefor Asia-Pacific, by End-use Industry, 2014-2025, \$million

Table 44. Renewable Energy Market Valuefor LAMEA, by Country, 2014-2025, \$million

Table 45. Renewable Energy Market Valuefor LAMEA, by Source, 2014-2025, \$million

Table 46. Renewable Energy Market Valuefor LAMEA, by Type, 2014-2025, \$million

Table 47. Renewable Energy Market Valuefor LAMEA, by Application, 2014-2025, \$million

Table 48. Renewable Energy Market Valuefor LAMEA, by End-use Industry, 2014-2025,

\$million

Table 49. Archer Daniels Midland Company - Company Snapshot

Table 50. Amesa Corporacion Tecnologica SA - Company Snapshot

Table 51. Cosan SA Industria E Comercio - Company Snapshot

Table 52. Enercon GmbH - Company Snapshot

Table 53. Hydro-Quebec - Company Snapshot

Table 54. Q-Cells SE - Company Snapshot

Table 55. Suntech Power Holding Co. Ltd - Company Snapshot

Table 56. Trina Solar Ltd - Company Snapshot

Table 57. U. S. Geothermal Inc. - Company Snapshot

Table 58. Yingli Green Energy Hold. Co. Ltd. - Company Snapshot

## List Of Figures

### LIST OF FIGURES

- Figure 1. Renewable Energy: Wind Market Value, 2014-2016, \$million
- Figure 2. Renewable Energy: Sunlight Market Value, 2014-2016, \$million
- Figure 3. Renewable Energy: Oceanic Market Value, 2014-2016, \$million
- Figure 4. Renewable Energy: Biomass Market Value, 2014-2016, \$million
- Figure 5. Renewable Energy: Geothermal Heat Market Value, 2014-2016, \$million
- Figure 6. Renewable Energy: Biofuels Market Value, 2014-2016, \$million
- Figure 7. Renewable Energy: Solar Photovoltaic Market Value, 2014-2016, \$million
- Figure 8. Renewable Energy: Wind Energy Market Value, 2014-2016, \$million
- Figure 9. Renewable Energy: Geothermal Energy Market Value, 2014-2016, \$million
- Figure 10. Renewable Energy: Hydroelectric Power Market Value, 2014-2016, \$million
- Figure 11. Renewable Energy: Power Generation Market Value, 2014-2016, \$million
- Figure 12. Renewable Energy: Heating Market Value, 2014-2016, \$million
- Figure 13. Renewable Energy: Auto fuel Market Value, 2014-2016, \$million
- Figure 14. Renewable Energy: Residential Market Value, 2014-2016, \$million
- Figure 15. Renewable Energy: Commercial Market Value, 2014-2016, \$million
- Figure 16. Renewable Energy: Healthcare Market Value, 2014-2016, \$million
- Figure 17. Renewable Energy: Industrial Market Value, 2014-2016, \$million
- Figure 18. Renewable Energy: Transportation Market Value, 2014-2016, \$million
- Figure 19. Renewable Energy: U.S. Market Value, 2014-2016, \$million
- Figure 20. Renewable Energy: U.S. Market Value, 2017-2025, \$million
- Figure 21. Renewable Energy: Canada Market Value, 2014-2016, \$million
- Figure 22. Renewable Energy: Canada Market Value, 2017-2025, \$million
- Figure 23. Renewable Energy: Mexico Market Value, 2014-2016, \$million
- Figure 24. Renewable Energy: Mexico Market Value, 2017-2025, \$million
- Figure 25. Renewable Energy: UK Market Value, 2014-2016, \$million
- Figure 26. Renewable Energy: UK Market Value, 2017-2025, \$million
- Figure 27. Renewable Energy: Germany Market Value, 2014-2016, \$million
- Figure 28. Renewable Energy: Germany Market Value, 2017-2025, \$million
- Figure 29. Renewable Energy: France Market Value, 2014-2016, \$million
- Figure 30. Renewable Energy: France Market Value, 2017-2025, \$million
- Figure 31. Renewable Energy: Spain Market Value, 2014-2016, \$million
- Figure 32. Renewable Energy: Spain Market Value, 2017-2025, \$million
- Figure 33. Renewable Energy: Italy Market Value, 2014-2016, \$million
- Figure 34. Renewable Energy: Italy Market Value, 2017-2025, \$million
- Figure 35. Renewable Energy: Rest of Europe Market Value, 2014-2016, \$million



- Figure 36. Renewable Energy: Rest of Europe Market Value, 2017-2025, \$million
- Figure 37. Renewable Energy: China Market Value, 2014-2016, \$million
- Figure 38. Renewable Energy: China Market Value, 2017-2025, \$million
- Figure 39. Renewable Energy: Japan Market Value, 2014-2016, \$million
- Figure 40. Renewable Energy: Japan Market Value, 2017-2025, \$million
- Figure 41. Renewable Energy: India Market Value, 2014-2016, \$million
- Figure 42. Renewable Energy: India Market Value, 2017-2025, \$million
- Figure 43. Renewable Energy: Australia Market Value, 2014-2016, \$million
- Figure 44. Renewable Energy: Australia Market Value, 2017-2025, \$million
- Figure 45. Renewable Energy: South Korea Market Value, 2014-2016, \$million
- Figure 46. Renewable Energy: South Korea Market Value, 2017-2025, \$million
- Figure 47. Renewable Energy: Rest of Asia-Pacific Market Value, 2014-2016, \$million
- Figure 48. Renewable Energy: Rest of Asia-Pacific Market Value, 2017-2025, \$million
- Figure 49. Renewable Energy: Brazil Market Value, 2014-2016, \$million
- Figure 50. Renewable Energy: Brazil Market Value, 2017-2025, \$million
- Figure 51. Renewable Energy: Saudi Arabia Market Value, 2014-2016, \$million
- Figure 52. Renewable Energy: Saudi Arabia Market Value, 2017-2025, \$million
- Figure 53. Renewable Energy: South Africa Market Value, 2014-2016, \$million
- Figure 54. Renewable Energy: South Africa Market Value, 2017-2025, \$million
- Figure 55. Renewable Energy: Rest of LAMEA Market Value, 2014-2016, \$million
- Figure 56. Renewable Energy: Rest of LAMEA Market Value, 2017-2025, \$million

## COMPANIES MENTIONED

The top players in the global renewable energy market include Yingli Green Energy Hold. Co. Ltd., U.S. Geothermal Inc., Suntech Power Holding Co. Ltd, Trina Solar Ltd, Q-Cells SE, Hydro-Quebec, Amesa Corporacion Tecnologica SA, Enercon GmbH, Cosan SA Industria E Comercio., and Archer Daniels Midland Company.



## I would like to order

Product name: Global Renewable Energy Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

Product link: <https://marketpublishers.com/r/G9C1236FCECEN.html>

Price: US\$ 3,619.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G9C1236FCECEN.html>

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**

Customer signature \_\_\_\_\_

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

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

