

Global Renewable Energy Policy Feed-in-Tariff (FiT) Analysis: Installed Capacity and Targets, 2014-2025

<https://marketpublishers.com/r/G6230A7DDC5EN.html>

Date: February 2017

Pages: 0

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

ID: G6230A7DDC5EN

Abstracts

Renewable energy refers to the energy obtained from nonconventional, inexhaustible, replenishable energy resources, such as wind, sunlight, hydropower, tides, and biomass. The focus on renewable energy has increased recently due to the rising global pollution and environmental concerns. To support the production of renewable energy, governments across the globe have formulated several policies, regulations, and schemes providing support to renewable energy producers in the form of tax incentives and funds. One such policy is the Feed-in-Tariff or FiT. According to this policy, all the renewable energy producers, including farmers, home owners, private investors, and business owners should be paid a cost-based price for the renewable energy that they supply to the grid. The tariff to be paid differs with the type of technology, amount of energy produced, location, region, and size.

Based on technology, the market is divided into solar, wind, bioenergy, and geothermal sectors. On the basis of tariff period, market segmentation includes less than 5 years, 6-10 years, 11-15 years, 16-20 years, 21-25 years, and more than 25 years. Geographically, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Increment in the number of jobs and positive impact of FiT on economic growth is encouraging the adoption of renewable energy technologies.

Growing environmental concerns along with the need to reduce

dependency on fossil fuels is supporting the growth of the renewable energy market.

Restraints:

Initial costs of switching to renewable energy and the installation costs are high, which hinders market growth.

MARKET PLAYERS:

The top players involved in the global renewable energy policy FiT analysis include First Solar, Inc., SunEdison Inc., Martifier Solar, Gamesa Corporación Tecnológica, M.A. Mortenson Company, Inc., AMEC Foster Wheeler PLC, Prenecon Prime Energy Constructions S. A., Black & Veatch Holding Company, Suzlon Energy Ltd., and Ormat Technologies Inc.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Technology

Solar

Wind

Bioenergy

Geothermal

By Tariff Period

Less than 5 years

5-10 years

11-15 years

16-20 years

21-25 years

More than 25 years

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

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