

Benchmarking of Wind with Solar Energy 2011-2016: Cost, Profit and Opportunity Benchmarking, January 2011

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Abstracts

Wind and solar are clean renewable energy sources available across the globe. The business of generating electricity from wind and solar energy is growing and is poised for rapid expansion as the US, China and Rest of the world look for cleaner and more sustainable ways to generate electricity. As per Lucintel's estimates the wind energy market is expected to reach \$108 billion, the solar photovoltaic (PV) market \$101 billion and the solar thermal market to \$17 billion by 2016.

Investment in renewable energy calls for a proper analysis, therefore Lucintel has performed a analysis of the global wind and solar energy markets and has published a comprehensive research report, "Benchmarking of Wind with Solar Energy 2011-2016: Cost, Profit and Opportunity Benchmarking".

As per the study, the cost of generating electricity from wind is low as compare to solar PV and solar thermal. Its low levelized cost gives it a competitive advantage over solar PV and solar thermal. The low capital cost of wind energy further enhances its competitive advantage over solar PV and solar thermal.

Typically, the return on investment of wind energy is approximately 9%, while the ROI of solar PV and solar thermal are both approximately 8%. Generally, investors are expected to require an ROI of 8% or higher if they are investing in an idea/product. The average internal rate of return for wind energy of 11% also surpasses that of solar energy. Increasing energy consumption, together with government support, is likely to drive renewable energy growth, resulting in a sound future for renewable energy sources.

Lucintel's report makes a detailed assessment of the renewable energy industry offering the client a better understanding of the market's current trends and forecasts. Apart from covering the profit and risk analysis of generating power from these renewable energy sources, the report also benchmarks installation and operational costs of solar and wind energy,

This Lucintel report will provide the reader with valuable information, insights, growth forecasts and normalized cost of energy for these differing technologies. This report will save the reader hundreds of hours of research time and will be of significantly benefit in the support of business expansion. In today's stringent economy, you need every advantage that you can find.

To make business, investment, or strategic decisions, you need timely and adequate information. This market report fulfills this core need and is an indispensable reference guide for multi-national material suppliers, product manufacturers, investors, executives, distributors and many more, who are dealing with this market.

Some of the features of this market report are:

Trend and forecast of wind, solar PV, solar thermal in terms of capacity installed

Market size of wind, solar PV and solar thermal by value

Major growth drivers and challenges for each energy technology

Trend and forecast of Levelized Cost of Energy (LCOE) for each of the energy sources in terms of \$/MWh

Cost drivers for each of the energy sources

High level Cost breakdown for each of these energy sources

Value chain analysis of wind, solar PV, solar thermal

Regional breakdown of wind, solar PV, solar thermal

Risk analysis of wind ,solar PV and solar thermal

Profit analysis of wind ,solar PV and solar thermal

More than 86 valuable figures/charts and 28 tables are provided in this roughly 171 pages

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