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Analyzing Geothermal Power in North & South America

https://marketpublishers.com/r/A0A40371ABCEN.html
Date: June 2012
Pages: 275
Price: US$ 550.00 (Single User License)
ID: A0A40371ABCEN

Abstracts

The geothermal power market in North & South America is expected to rise at a steady rate in the coming times. While, the United States has been a dominating force in the global geothermal industry, Central America also has huge potential for geothermal power generation. However, only a few Central American countries, such as Mexico, El Salvador, Costa Rica, Nicaragua and Guatemala, are currently harnessing geothermal power. With increasing emphasis on renewable sources for power generation around the world and focus on gaining energy independence, many of these countries have started projects to develop geothermal resources. In addition, many other countries not producing geothermal power are also investing in the development of geothermal resources.

However, the cost of generating power from geothermal energy is quite high as for different sources of geothermal energy, different power generating technologies are required. Moreover, no two geothermal sites are exactly alike, thus creating the need for energy conversion systems, which can be adapted to suit the particular site. Furthermore, the technology required for a particular type of site is dependent on the temperature and state of aggregation of the water that is used to extract the heat from the rock. The technologies used for geothermal energy are broadly classified into two categories: conventional steam turbine technology and binary cycle plant technology. The huge untapped potential of geothermal energy provides a great opportunity for government authorities, power generating companies and other players to invest in this sector and meet the growing energy demand. Geothermal power generation has a supreme advantage over other renewable energy sources of a higher capacity factor comparable to fossil fuel plants.

Ormat Technologies, Calpine Corporation, US Geothermal, etc., are some of the major

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players in market. Geothermal resource exploration and development requires an enormous amount of initial investment and this acts as one of the major restraining factors for companies in this industry. The government agencies in many countries keen to develop their geothermal resources have provided many tax incentives and devised various favorable policies to encourage these companies to invest in the sector. These regulations are going to help the companies to gain the initial investment for their projects - and will spur growth in this sector.

Aruvians Rsearch analyzes the Geothermal Power in North & South America in its latest research offering Analyzing Geothermal Power in North & South America.

The report is a comprehensive coverage of the geothermal industry in many countries in both North and South America, such as the US, Mexico, El Salvador, Costa Rica, Nicaragua, and Guatemala.

The report begins with an introduction to geothermal power. We analyze the utilization of geothermal energy, the grading of geothermal resources, technologies used in geothermal power generation, emerging technologies, amongst others.

Since geothermal power is a renewable resource, we analyze the global renewable energy industry as well in the report. We look at the industry overview, power generated from renewable energy resources, increase in the renewable power capacity, etc. We also analyze the renewable power industry in North & South America.

Moving on to the analysis of the geothermal power market in North & South America, we first analyze the global geothermal power industry through power generated from geothermal resources worldwide and global geothermal power installed capacity. We further look at the factors impacting the global geothermal power industry such as growth drivers and challenges facing the global geothermal industry.

A cost analysis of geothermal power in included in the report. We analyze the capital cost of geothermal power and the operation & maintenance cost as well.

Geothermal power in North & South America is analyzed through power generated from geothermal resources, installed capacity of geothermal power, regional segmentation of the industry and the major industry deals that have taken place in recent years.

Countries analyzed in this report include Costa Rica, El Salvador, Guatemala, Mexico, Nicaragua, and the US. For each country's geothermal power market, we analyze the

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power generated from geothermal resources, geothermal power installed capacity, industry segmentation by renewable energy technologies, regulatory frameworks governing the market, and major industry projects, both existing and upcoming.

Major industry players are analyzed through a corporate profile, an analysis of their major business segments, the presence of these companies in the geothermal market, and a SWOT analysis.

Aruvians Rsearch’s report Analyzing Geothermal Power in North & South America is a complete guide to this rapidly growing industry.

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