

# Analyzing the Energy Industry in Japan 2016

<https://marketpublishers.com/r/A59C372CBCCEN.html>

Date: February 2016

Pages: 280

Price: US\$ 850.00 (Single User License)

ID: A59C372CBCCEN

## Abstracts

Resource-poor Japan is dependent on imports for 84% of its primary energy supply; even if nuclear energy is included in domestic energy, dependency is still at 81%. Following the two oil crises in the 1970s, Japan has diversified its energy sources through increased use of nuclear energy, natural gas and coal, as well as the promotion of energy efficiency and conservation. Despite these improvements, oil still accounts for about 50% of Japan's primary energy supply, and nearly 90% of imported oil comes from the politically unstable Middle East. Moreover, prospects for importing electricity from neighboring countries are very poor because Japan is an island nation.

The government, has attached great importance to nuclear power as a key to ensuring national energy security, and is also considering assistance to help domestic firms in the intensifying global competition for fuel at nuclear power plants. Among those measures are financial aid and more investment-insurance coverage by government-affiliated organizations. Japan is already the world's third-largest nuclear power nation in terms of the number of civilian nuclear plants in operation.

However, following the Fukushima nuclear incident Japan's dependency on nuclear power has come under review. The government is faced with the difficult task of developing a new energy policy as the anti-nuclear sentiment grows within the country. Japan has decided to increase its reliance on renewable energy sources though these will still remain a long term option.

Aruvian Research's report – Analyzing the Energy Industry in Japan - analyzes the scope of Japanese energy production from varied traditional sources as well as the developing renewable energy sources. In view of understanding energy transactions, the report also studies the revenue returns for investors in various energy channels which manifest themselves in Japanese energy demand and supply dynamics.

In depth view has been provided in this report of Japanese oil, electricity, natural gas, biofuel, and solar sectors. The various geopolitical interests and intentions governing the exploitation, production, trade and supply of these resources for energy production has also been analyzed by this report in a non-partisan manner.

We also look at the Fukushima nuclear disaster and the fallout it has had for the Japanese energy industry and how the energy landscape of the country is going to shape up in the coming years, while dealing with the anti-nuclear sentiment prevalent in the country now.

With an industry outlook for the global and the Japanese energy market, a profile of the top players in the Japanese energy industry – Aruvian's report is a must-have!

## Contents

### **A. EXECUTIVE SUMMARY**

### **SECTION 1: ANALYZING THE GLOBAL ENERGY INDUSTRY**

#### **B. A LOOK AT THE GLOBAL ENERGY INDUSTRY**

- B.1 Industry Profile
- B.2 Looking at the Global Oil Market
- B.3 Looking at the Global Natural Gas
- B.4 Looking at Other Fuels
- B.5 Future Perspective

#### **C. REVENUE RETURNS ON GLOBAL ENERGY MARKETS**

- C.1 Oil Demand – Fueling Growth Worldwide
- C.2 China’s Coal Demand – Major Influence in World Markets
- C.3 Developing World Electricity Consumption - Adding Up in the Global Pie
- C.4 Renewable Energy
  - C.4.1 Hydroelectricity
  - C.4.2 Wind Energy

### **SECTION 2: ANALYZING THE JAPANESE ENERGY INDUSTRY**

#### **A. JAPAN’S ENERGY RESERVES**

- A.1 Long-Term Supply & Demand Outlook
- A.2 Japan’s Energy Policy
- A.3 Facts about Japan’s Energy Consumption

#### **B. GOVERNMENTAL SCENARIO**

- B.1 Energy Insecurity Founded the Government’s Energy Policy
- B.2 Oil Shock and the Subsequent Years
- B.3 Present Scenario
- B.4 Looking Forward
- B.5 Nuclear Energy
  - B.5.1 Nuclear Energy Vision 2100

## B.5.2 Renewable Energy

## **C. ANALYZING THE OIL INDUSTRY IN JAPAN**

- C.1 Market Overview
- C.2 Industry Structure
- C.3 Exploration and Production Statistics
- C.4 Overseas Projects
- C.5 Downstream/Refining Sector
- C.6 Japan Oil Stock Movements
- C.7 Prices of Petroleum Products

## **D. ANALYZING THE NATURAL GAS INDUSTRY IN JAPAN**

- D.1 Market Overview
- D.2 Development of Natural Gas
- D.3 Industry Structure
- D.4 Exploration and Production Statistics
- D.5 Liquefied Natural Gas in Japan
- D.6 Overseas Projects
  - D.6.1 Australia
  - D.6.2 Russia
  - D.6.3 Indonesia
- D.7 Natural Gas Fields in Japan

## **E. ANALYZING NUCLEAR POWER IN JAPAN**

- E.1 History of Nuclear Program & Policy
- E.2 Market Overview
- E.3 Japan's MOX Program
- E.4 Japan's Nuclear Fuel Cycle Program
- E.5 Japan's Nuclear Fuel Cycle Facilities
- E.6 Establishing a Recycling-based Society
- E.7 Current Nuclear Energy Policy
- E.8 Development of Reactors in Japan
- E.9 Uranium Supply
- E.10 Plutonium Use Plan for 2009
- E.11 Fuel Cycle Facilities
  - E.11.1 Reprocessing and MOX Fuel

- E.12 Looking at Fast Breeder Reactors
- E.13 Dealing with Nuclear Wastes
- E.14 Decommissioning of Power Plants
- E.15 Safety Issues
- E.16 Safety Regulations
- E.17 Japan's Investment in Uranium Mines
- E.18 New National Energy Strategy
- E.19 Outlook

## **F. FUKUSHIMA NUCLEAR ACCIDENT AND ITS IMPACT ON JAPAN'S ENERGY INDUSTRY**

- F.1 Overview of the Accident
- F.2 Impact on the Japanese Energy Industry
- F.3 Historic Energy Trends before Fukushima
- F.4 Japan's Energy Situation and International Dependence
- F.5 Public Opinion and Government Policy – Beliefs & Perceptions
- F.6 Relative Prices and Technology
- F.7 Consequences of the Fukushima Incident and Future Directions
- F.8 Requirement of Energy Policy Rethink
- F.9 Post-Fukushima Energy Policy Changes
- F.10 Constraints in Electricity Supply and Power Plant Situation
- F.11 Nuclear Plant Restarts and Retirements
- F.12 Economic Impact of Plant Shutdowns

## **G. ANALYZING THE ELECTRICITY INDUSTRY IN JAPAN**

- G.1 Market Overview
- G.2 Industry Structure
- G.3 Conventional Thermal Electric Generation
- G.4 Electricity Generated through Nuclear Power
- G.5 Other Sources
- G.6 Utilization Targets

## **H. ANALYZING THE RENEWABLE ENERGY INDUSTRY IN JAPAN**

- H.1 Market Overview
- H.2 Looking at the Renewables Portfolio Standard (RPS) Law
- H.3 Analyzing the Solar Energy Market

- H.3.1 Incentives for Renewable Energy Installations
- H.4 Analyzing the Biofuel Market
  - H.4.1 Smart Biogas Plants for Farms
  - H.4.2 Current Biofuel Production and Utilization
  - H.4.3 Research and Development for Bioethanol Production

## **I. ENERGY EFFICIENCY POLICIES OF JAPAN**

- I.1 April 2009 Amendments
- I.2 Other International Developments for Achieving Energy Efficiency

## **J. ANALYZING THE CARBON SCENARIO**

- J.1 Kyoto Protocol
- J.2 Framework of the Kyoto Protocol Target Achievement Plan
  - J.2.1 Measures and Policies for Achieving Targets
- J.3 Japan's Mid-term Target Committee
- J.4 Low Carbon Society of Japan
  - J.4.1 Overview of the Project
  - J.4.2 Socio-Economic Prerequisites
  - J.4.3 70% Carbon Abatement, Cost and Sectors
- J.5 Low-Carbon Alternatives for Energy Supply
- J.6 Details of Action under LCS
- J.7 Low-Carbon Electricity
  - J.7.1 Environmental Impact
  - J.7.2 Nuclear Energy Utilization
  - J.7.3 Energy Transmission Network
  - J.7.4 Strategic Steps for Low-Carbon Electricity
- J.8 Local Renewable Resources for Local Demand
  - J.8.1 Solar Energy
  - J.8.2 Wind Energy
  - J.8.3 Local Production and Consumption
  - J.8.4 Strategic Steps
- J.9 Next Generation Fuels
  - J.9.1 Low-Carbon Hydrogen
  - J.9.2 Strategic Steps for Hydrogen
  - J.9.3 Biofuel
  - J.9.4 Strategic Steps for Biofuel
- J.10 Achieving LCS

## **K. AIMING FOR GLOBAL ECONOMIC RECOVERY THROUGH GREEN ENERGY**

K.1 Overview

K.2 Economic Turmoil Facilitating Paradigm Shift towards New Energy Policies

K.3 Stimulating Alternative Energy Development

K.4 Renewable Technologies to Drive Competitiveness

K.5 Stimulus Package

## **L. MAJOR INDUSTRY PLAYERS**

L.1 Cosmo Oil Company

L.2 IB Daiwa

L.3 Idemitsu Kosan Co., Ltd.

L.4 JX Nippon Oil & Energy Corporation

L.5 Inpex Corporation

L.6 Tokyo Gas

L.7 Osaka Gas

L.8 Kansai Electric Power Co, Incorporated (KEPCO)

L.9 Tokyo Electric Power Company (TEPCO)

L.10 Chubu Electric Power Company

L.11 Tohoku Electric Power Company

L.12 Chugoku Electric Power

## **M. GLOSSARY OF TERMS**

## I would like to order

Product name: Analyzing the Energy Industry in Japan 2016

Product link: <https://marketpublishers.com/r/A59C372CBCCEN.html>

Price: US\$ 850.00 (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/A59C372CBCCEN.html>