

Taiwan Renewable Power - Market Analysis and Forecast till 2030

https://marketpublishers.com/r/TE026AA3074EN.html

Date: November 2014 Pages: 70 Price: US\$ 1,995.00 (Single User License) ID: TE026AA3074EN

Abstracts

Please note: extra shipping charges are applied when purchasing Hard Copy License depending on the location.

The Future of the Taiwan Renewable Market – Economy, Power Outlook, Capacity, Consumption, Levelized Cost of Energy, Investment Opportunities, Regulations and Company Profiles and Forecasts to 2030 published by Techsila.

Synopsis

The report provides detailed analysis on the Taiwan by all renewable technologies. The report examines the overall economy of the country, estimates the power consumption, and analyzes the different renewable technologies and also forecasts their growth for next fifteen years.

This report offers detailed analysis of Taiwan renewable market with capacity forecasts covering the next fifteen years. This report will also analyze factors that influence demand for the industry, key market trends, and challenges faced by industry participants. In particular, it provides an in-depth analysis of the following Taiwan renewable market size and drivers: detailed analysis of the Taiwan renewable market during 2014-2030, including highlights of the demand drivers and growth stimulators for the market. It also provides a snapshot of the country's economy and power outlook.

The report highlights installed capacity trends from 2001 to 2030 in Taiwan renewable market. The research provides data related to investments and levelized cost of energy (LCOE) for all renewable technologies in Taiwan during 2013–2030.



The research also provides company snapshots of some of the major market participants. The report is built using data and information sourced from proprietary databases, secondary research and in-house analysis by team of industry experts.

The report analyzes the power market scenario in Taiwan (includes thermal, hydro and renewable energy sources) and provides future outlook with forecasts up to 2030.

The research provide details economy and renewable power market outlook in the country (includes wind, small hydro, biopower and solar PV) and provides forecasts up to 2030.

Reasons To Buy

Understand the industry dynamics, growth trends and key challenges to assist in decision making

Identify business opportunity across the value-chain with information on product prices, and opportunity analysis

Benchmark various industry participants present and identify performers, laggards and emerging players

Use the data and analysis to develop business plan, formulate strategies, analyze companies and benchmark countries for investment

Leverage the data and insights to save time on your research project while doing so economically. This will help you in spending time in adding additional values.



Contents

1. TABLE OF CONTENTS

- 1.1. Table of Contents
- 1.2. List of Tables
- 1.3. List of Figures

2. TAIWAN ECONOMY

- 2.1. Taiwan Economy Overview
- 2.2. Taiwan, GDP at Real Prices and % Change, \$Billion, 2001-2030
- 2.3. Taiwan, Inflation, %, 2003-18
- 2.4. Taiwan, Unemployment Rate, %, 2003-18
- 2.5. Taiwan, Population and % Change, Million, 2001-2030
- 2.6. Taiwan, AtKearney FDI Confidence Index, Rank, 2012-2013
- 2.7. Taiwan, Ease of Doing Business World Bank Index, 2013-14

3. TAIWAN POWER MARKET

- 3.1. Taiwan Power Market Overview
- 3.2. Taiwan, Net Power Consumption and T&D Loss %, 2001-2030
- 3.3. Taiwan, Imports, Exports and Net Imports, GWh, 2001-2030
- 3.4. Taiwan Power Consumption Sensitivity Analysis, 2030
- 3.5. Taiwan, Power Market Growth, MW, 2001-2030
- 3.6. Taiwan, Power Market Share, %, 2013 and 2030 Scenarios
- 3.7. Taiwan, Power Capacity Net Additions Breakup, MW, 2013-2030
- 3.8. Taiwan Power Analysis Matrix, %, 2013-2030
- 3.9. Taiwan Power Investments Breakup, \$Million, 2013-2030
- 3.10. Taiwan Power LCOE, (\$/MWh), 2013-2030

4. TAIWAN RENEWABLE POWER MARKET

- 4.1. Taiwan Renewable Power Market Overview
- 4.2. Taiwan, Renewable Market Growth, MW, 2001-2030
- 4.3. Taiwan, Renewable Market Share, %, 2013 and 2030 Scenarios
- 4.4. Taiwan, Renewable Capacity Net Additions Breakup, MW, 2013-2030
- 4.5. Taiwan Renewable Analysis Matrix, %, 2013-2030
- 4.6. Taiwan Renewable Investments, \$Million, 2013-2030



4.7. Taiwan Renewable Technologies LCOE Breakup, (\$/MWh), 2013-2030

5. TAIWAN HYDRO POWER MARKET

- 5.1. Taiwan Hydro Power Market Overview
- 5.2. Taiwan, Hydro Market Growth, MW, 2001-2030
- 5.3. Taiwan, Hydro Market Share, %, 2013 and 2030 Scenarios
- 5.4. Taiwan, Hydro Capacity Net Additions Breakup, MW, 2013-2030
- 5.5. Taiwan Hydro Analysis Matrix, %, 2013-2030

6. TAIWAN CONVENTIONAL HYDRO POWER MARKET

6.1. Taiwan Conventional Hydro Power Market Overview

6.2. Taiwan Conventional Hydro Power Market, Cumulative Installed Conventional Hydro Capacity, MW, 2001-2030

- 6.3. Taiwan Conventional Hydro Investments, \$Million, 2013-2030
- 6.4. Taiwan Conventional Hydro LCOE, (\$/MWh), 2013-2030
- 6.5. Taiwan Conventional Hydro Opportunities, \$Million

7. TAIWAN PUMP STORAGE POWER MARKET

7.1. Taiwan Pump Storage Power Market Overview

7.2. Taiwan Pump Storage Power Market, Cumulative Installed Pump Storage Capacity, MW, 2001-2030

8. HYDRO POWER MARKET, TAIWAN, COMPANY PROFILES

9. TAIWAN WIND POWER MARKET

9.1. Taiwan Wind Power Market Overview

9.2. Taiwan Wind Power Market, Cumulative Installed Total Wind Capacity, MW, 2001-2030

- 9.3. Taiwan Wind Investments, \$Million, 2013-2030
- 9.4. Taiwan Wind LCOE, (\$/MWh), 2013-2030
- 9.5. Taiwan Wind Opportunities, \$Million
- 9.6. Wind Market, Taiwan, Import and Export of Wind Turbines, \$Million, 2009–2013
- 9.7. Wind Market, Taiwan, Top 5 Importer and Exporter of Wind Turbines, %, 2013

10. WIND POWER MARKET, TAIWAN, COMPANY PROFILES



11. TAIWAN BIOGAS POWER MARKET

- 11.1. Taiwan Biogas Power Market Overview
- 11.2. Taiwan Biogas Power Market, Cumulative Installed Biogas Capacity, MW, 2001-2030
- 11.3. Taiwan Biogas Investments, \$Million, 2013-2030
- 11.4. Taiwan Biogas LCOE, (\$/MWh), 2013-2030
- 11.5. Taiwan Biogas Opportunities, \$Million

12. BIOGAS POWER MARKET, TAIWAN, COMPANY PROFILES

13. TAIWAN BIOMASS POWER MARKET

13.1. Taiwan Biomass Power Market Overview

13.2. Taiwan Biomass Power Market, Cumulative Installed Biomass Capacity, MW, 2001-2030

- 13.3. Taiwan Biomass Investments, \$Million, 2013-2030
- 13.4. Taiwan Biomass LCOE, (\$/MWh), 2013-2030
- 13.5. Taiwan Biomass Opportunities, \$Million

14. TAIWAN SOLAR PV POWER MARKET

14.1. Taiwan Solar PV Power Market Overview

14.2. Taiwan Solar PV Power Market, Cumulative Installed Solar PV Capacity, MW, 2001-2030

14.3. Taiwan Solar PV Investments, \$Million, 2013-2030

14.4. Taiwan Solar PV LCOE, (\$/MWh), 2013-2030

14.5. Taiwan Solar PV Opportunities, \$Million

14.6. Solar PV Market, Taiwan, Import and Export of Solar Modules, \$Million,

2009-2013

14.7. Solar PV Market, Taiwan, Top 5 Importer and Exporter of Solar Modules, %, 2013

15. SOLAR PV POWER MARKET, TAIWAN, COMPANY PROFILES

16. APPENDIX

16.1. Market Definitions

16.2. Methodology



- 16.3. Secondary Research
- 16.4. Primary Research
- 16.5. Modeling and Forecasting
- 16.6. Market Estimates and Assumptions
- 16.7. LCOE Calculation
- 16.8. Investments
- 16.9. Contacts
- 16.10. Disclaimer



List Of Tables

LIST OF TABLES

Table 1: Taiwan, Ease of Doing Business - World Bank Index, 2013-14 Table 2: Taiwan, GDP at Real Prices and % Change, \$Billion, 2001-2030 Table 3: Taiwan, Inflation, %, 2003-18 Table 4: Taiwan, Unemployment Rate, %, 2003-18 Table 5: Taiwan, Population and % Change, Million, 2001-2030 Table 6: Taiwan, Government Total Expenditure, \$Billion, 2003-2018 Table 7: Taiwan Net Power Consumption, GWh, 2001-2030 Table 8: Taiwan, Imports, Exports and Net Imports, GWh, 2001-2030 Table 9: Taiwan, Power Market Growth, MW, 2001-2030 Table 10: Taiwan Power Investments Breakup, \$Million, 2013-2030 Table 11: Taiwan Power LCOE, (\$/MWh), 2013-2030 Table 12: Taiwan, Renewable Market Growth, MW, 2001-2030 Table 13: Taiwan Renewable Investments, \$Million, 2013-2030 Table 14: Taiwan Renewable Technologies LCOE Breakup, (\$/MWh), 2013-2030 Table 15: Taiwan Wind Power Market, Cumulative Installed Total Wind Capacity, MW, 2001-2030 Table 16: Taiwan Wind Investments, \$Million, 2013-2030 Table 17: Taiwan Wind LCOE, (\$/MWh), 2013-2030 Table 18: Taiwan Hydro Power Market, Cumulative Installed Total Hydro Capacity, MW, 2001-2030 Table 19: Taiwan Hydro Investments, \$Million, 2013-2030 Table 20: Taiwan Hydro LCOE, (\$/MWh), 2013-2030 Table 21: Taiwan Biomass Power Market, Cumulative Installed Total Biomass Capacity, MW, 2001-2030 Table 22: Taiwan Biomass Investments, \$Million, 2013-2030 Table 23: Taiwan Biomass LCOE, (\$/MWh), 2013-2030 Table 24: Taiwan Solar Thermal Power Market, Cumulative Installed Total Solar Thermal Capacity, MW, 2001-2030 Table 25: Taiwan Solar Thermal Investments, \$Million, 2013-2030 Table 26: Taiwan Solar Thermal LCOE, (\$/MWh), 2013-2030 Table 27: Taiwan Geothermal Power Market, Cumulative Installed Total Geothermal Capacity, MW, 2001-2030 Table 28: Taiwan Geothermal Investments, \$Million, 2013-2030 Table 29: Taiwan Geothermal LCOE, (\$/MWh), 2013-2030 Table 30: Taiwan Nuclear Power Market, Cumulative Installed Total Nuclear Capacity,



MW, 2001-2030

Table 31: Taiwan Nuclear Investments, \$Million, 2013-2030

Table 32: Taiwan Nuclear LCOE, (\$/MWh), 2013-2030

Table 33: Taiwan Solar PV Power Market, Cumulative Installed Solar PV Capacity, MW, 2001-2030

Table 34: Taiwan Solar PV Investments, \$Million, 2013-2030

Table 35: Taiwan Solar PV LCOE, (\$/MWh), 2013-2030

Table 36: Taiwan Conventional Hydro Power Market, Cumulative Installed Conventional Hydro Capacity, MW, 2001-2030

Table 37: Taiwan Conventional Hydro Investments, \$Million, 2013-2030

Table 38: Taiwan Conventional Hydro LCOE, (\$/MWh), 2013-2030

Table 39: Taiwan Pump Storage Power Market, Cumulative Installed Pump Storage Capacity, MW, 2001-2030

Table 40: Taiwan Pump Storage Investments, \$Million, 2013-2030

Table 41: Taiwan Pump Storage LCOE, (\$/MWh), 2013-2030

Table 42: Taiwan Biogas Power Market, Cumulative Installed Biogas Capacity, MW, 2001-2030

Table 43: Taiwan Biogas Investments, \$Million, 2013-2030

Table 44: Taiwan Biogas LCOE, (\$/MWh), 2013-2030



List Of Figures

LIST OF FIGURES

Figure 1: Taiwan, GDP at Real Prices and % Change, \$Billion, 2001-2030 Figure 2: Taiwan, Inflation, %, 2003-18 Figure 3: Taiwan, Unemployment Rate, %, 2003-18 Figure 4: Taiwan, Population and % Change, Million, 2001-2030 Figure 5: Taiwan, AtKearney FDI Confidence Index, Rank, 2012-2013 Figure 6: Taiwan, Net Power Consumption and T&D Loss %, 2001-2030 Figure 7: Taiwan, Imports, Exports and Net Imports, GWh, 2001-2030 Figure 8: Taiwan Power Consumption Sensitivity Analysis, 2030 Figure 9: Taiwan, Power Market Growth, MW, 2001-2030 Figure 10: Taiwan, Power Market Share, %, 2013 and 2030 Scenarios Figure 11: Taiwan, Power Capacity Net Additions Breakup, MW, 2013-2030 Figure 12: Taiwan Power Analysis Matrix, %, 2013-2030 Figure 13: Taiwan Power Investments Breakup, \$Million, 2013-2030 Figure 14: Taiwan Power LCOE, (\$/MWh), 2013-2030 Figure 15: Taiwan, Renewable Market Growth, MW, 2001-2030 Figure 16: Taiwan, Renewable Market Share, %, 2013 and 2030 Scenarios Figure 17: Taiwan, Renewable Capacity Net Additions Breakup, MW, 2013-2030 Figure 18: Taiwan Renewable Analysis Matrix, %, 2013-2030 Figure 19: Taiwan Renewable Investments, \$Million, 2013-2030 Figure 20: Taiwan Renewable Technologies LCOE Breakup, (\$/MWh), 2013-2030 Figure 21: Taiwan, Hydro Market Growth, MW, 2001-2030 Figure 22: Taiwan, Hydro Market Share, %, 2013 and 2030 Scenarios Figure 23: Taiwan, Hydro Capacity Net Additions Breakup, MW, 2013-2030 Figure 24: Taiwan Hydro Analysis Matrix, %, 2013-2030 Figure 25: Taiwan Conventional Hydro Power Market, Cumulative Installed Conventional Hydro Capacity, MW, 2001-2030 Figure 26: Taiwan Conventional Hydro Investments, \$Million, 2013-2030 Figure 27: Taiwan Conventional Hydro LCOE, (\$/MWh), 2013-2030 Figure 28: Taiwan Conventional Hydro Opportunities, \$Million Figure 29: Taiwan Pump Storage Power Market, Cumulative Installed Pump Storage Capacity, MW, 2001-2030 Figure 30: Taiwan Wind Power Market, Cumulative Installed Total Wind Capacity, MW, 2001-2030 Figure 31: Taiwan Wind Investments, \$Million, 2013-2030 Figure 32: Taiwan Wind LCOE, (\$/MWh), 2013-2030



Figure 33: Taiwan Wind Opportunities, \$Million

Figure 34: Wind Market, Taiwan, Import and Export of Wind Turbines, \$Million, 2009–2013

Figure 35: Wind Market, Taiwan, Top 5 Importer and Exporter of Wind Turbines, %, 2013

Figure 36: Taiwan Biogas Power Market, Cumulative Installed Biogas Capacity, MW, 2001-2030

Figure 37: Taiwan Biogas Investments, \$Million, 2013-2030

Figure 38: Taiwan Biogas LCOE, (\$/MWh), 2013-2030

Figure 39: Taiwan Biogas Opportunities, \$Million

Figure 40: Taiwan Biomass Power Market, Cumulative Installed Biomass Capacity, MW, 2001-2030

Figure 41: Taiwan Biomass Investments, \$Million, 2013-2030

Figure 42: Taiwan Biomass LCOE, (\$/MWh), 2013-2030

Figure 43: Taiwan Biomass Opportunities, \$Million

Figure 44: Taiwan Solar PV Power Market, Cumulative Installed Solar PV Capacity,

MW, 2001-2030

Figure 45: Taiwan Solar PV Investments, \$Million, 2013-2030

Figure 46: Taiwan Solar PV LCOE, (\$/MWh), 2013-2030

Figure 47: Taiwan Solar PV Opportunities, \$Million

Figure 48: Solar PV Market, Taiwan, Import and Export of Solar Modules, \$Million, 2009–2013

Figure 49: Solar PV Market, Taiwan, Top 5 Importer and Exporter of Solar Modules, %, 2013



I would like to order

Product name: Taiwan Renewable Power - Market Analysis and Forecast till 2030 Product link: <u>https://marketpublishers.com/r/TE026AA3074EN.html</u>

> Price: US\$ 1,995.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/TE026AA3074EN.html</u>

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

Custumer signature _____

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

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