



Harmonizing energy supply with the environment



## J-POWER Group SUSTAINABILITY REPORT 2014

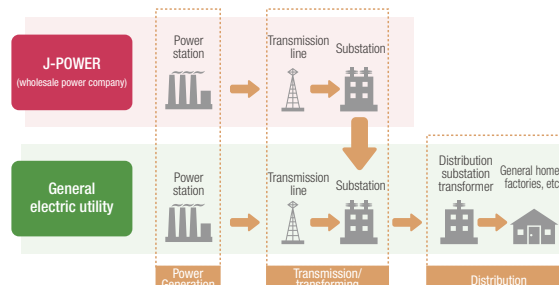


# Harmonizing Energy Supply with the Environment

## J-POWER Group Overview (As of the end of March 2014)

Company name	Electric Power Development Co., Ltd.
Communication name	J-POWER
Date of incorporation	September 16, 1952
Headquarters address	6-15-1 Ginza, Chuo-ku, Tokyo, 104-8165 JAPAN
President	Masayoshi Kitamura
Capital	¥152.449 billion
Employees	J-POWER: 2,352 J-POWER Group: 7,262
Business category	Electric Utility

### How J-POWER Differs from General Electric Utilities



### Overview of facilities

#### Wholesale power supply

##### ● Power generation facilities (output)

Hydroelectric power stations	58	8.56 GW
Thermal power stations (including 1 geothermal)	8	8.39 GW
<b>Total</b>	<b>66</b>	<b>16.95 GW</b>

##### ● Transmission lines

AC power transmission lines	2,408 km
DC power transmission lines	2,141 km
Substations (output)	267 km
Frequency converter station (output)	4      4.30 million kVA
AC/DC converter stations (output)	1      0.3 GW
	4      2 GW

#### Other electricity businesses

(includes equity method affiliates, but percentage ownership is not taken into account.)

##### ● Power generation facilities (output)

Wind farms	19	0.38 GW
Via independent power producers (IPP)	3	0.52 GW
Power generation for competitive market	3	0.32 GW
<b>Total</b>	<b>25</b>	<b>1.22 GW</b>



### List of Main Group Companies (Percentage figures in parentheses are J-POWER equity shares)

Scope of environmental data: J-POWER and 25 domestic consolidated subsidiaries

Scope of domestic and overseas CO<sub>2</sub> emissions volume data: J-POWER, 12 domestic and 30 overseas electricity business companies

#### Electric power-related business

- JPec Co., Ltd. (100%)
- JPHYTEC Co., Ltd. (100%)
- JP Business Service Corporation (100%)
- J-POWER RESOURCES Co., Ltd. (100%)
- J-POWER EnTech, Inc. (100%)
- KEC Corporation (100%)
- J-Wind Service Co., Ltd. (100%)
- JP Design Co., Ltd. (100%)
- JP Enterprise Corporation (100%)
- Miyazaki Wood Pellet Co., Ltd. (98%)
- JM Activated Coke, Inc. (90%)

#### Electricity business

- Bay Side Energy Co., Ltd. (100%)
- Mihama Seaside Power Co., Ltd. (100%)
- Green Power Aso Co., Ltd. (100%)
- J-Wind Co., Ltd. (100%)
- Sarakitomanai Wind Power Co., Ltd. (100%)
- Minami Kyushu Wind Power Co., Ltd. (99%)
- ITOIGAWA POWER Inc. (80%)
- Nagasaki-Shikamachi Wind Power Co., Ltd. (70%)
- Nikaho-Kogen Wind Power Co., Ltd. (67%)
- Ichihara Power Co., Ltd. (60%)
- Tosa Power Inc. (45%)
- Genex Co., Ltd. (40%)

#### Other

- Kaihatsu Hiryo Co., Ltd. (100%)
- Japan Network Engineering Co., Ltd. (100%)
- OMUTA PLANT SERVICE Co., Ltd. (100%)
- Ecogenomics, Inc. (100%)

#### International business

- Gulf Cogeneration Co., Ltd.
- Nong Khae Cogeneration Co., Ltd.
- Samutprakarn Cogeneration Co., Ltd.
- EGCO Cogeneration Co., Ltd.
- ShanXi TianShi Power Generation Co., Ltd.
- China Resources Power (Hezhou) Co., Ltd.
- Chiahui Power Corporation
- Tenaska Frontier Partners, Ltd.
- Elwood Energy, LLC
- Gulf Power Generation Co., Ltd.
- Green Country Energy, LLC
- Birchwood Power Partners, L.P.
- Pinelawn Power, LLC
- Equus Power I, LP
- Tenaska Virginia Partners, L.P.
- Edgewood Energy, LLC
- Shoreham Energy, LLC
- Orange Grove Energy, L.P.
- Gulf JP KP1 Co., Ltd.
- Gulf JP KP2 Co., Ltd.
- Gulf JP TLC Co., Ltd.
- Gulf JP NNK Co., Ltd.
- Gulf JP NLL Co., Ltd.
- Gulf JP CRN Co., Ltd.
- Gulf JP NK2 Co., Ltd.
- ROI-ET Green Co., Ltd.
- CBK Power Co., Ltd.
- Gulf Yala Green Co., Ltd.
- Shaanxi Hanjiang Investment & Development Co., Ltd.
- Zajaczkowo Windfarm Sp. z o.o.

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## Editorial Policies

- The J-POWER Group operates under its corporate philosophy of playing our part for the sustainable development of Japan and the rest of the world. Accordingly, this report is titled Sustainability Report to express our intention of achieving sustainable growth and development of both the Group and society. It summarizes and reports on the Group's corporate activities under the headings of Governance, Social Responsibilities, and Environment.
- This report includes all consolidated subsidiaries and is representative of the entire J-POWER Group.
- To ensure objective credibility, this report has been independently assured by Ernst & Young Sustainability Co., Ltd. (For details, see p. 51)
- A questionnaire survey was conducted in order to gauge the opinions of readers concerning the FY 2013 Report. (A summary can be found on p. 52)
- The opinions of experts outside the company have been sought regarding issues and expectations in relation to the J-POWER Group. (See p. 53)

### Period covered:

April 2013 - March 2014  
(January - December 2013 for those companies with a January – December fiscal year. Also, some articles may include content from April 2014 or thereafter.)

### Scope:

J-POWER and the J-POWER Group companies (consolidated subsidiaries)  
Note: If other than above, this is indicated in the appropriate place.

### Guidelines referred to:

Ministry of the Environment, Environmental Reporting Guidelines: FY 2012 Version  
Global Reporting Initiative (GRI), Sustainability Reporting Guidelines\* Ver3.0

**Report issued since:** 1998

**Published in:** September 2014

### Note concerning forecasts:

The plans, strategies, and forecasts set out in this report have been formulated based on currently available information. Unforeseeable changes in various factors may cause results to differ from projections.

### \* Sustainability Reporting Guidelines

Set of guidelines adopted by the Global Reporting Initiative (GRI; an international nongovernmental organization involving the UN Environmental Programme, environmental groups, institutional investors, accountants' associations, and corporations from various countries) to standardize sustainability reports, i.e., company reports that cover not only environmental but also social and economic aspects of business activity from the standpoint of sustainable development.

This report is also available at the J-POWER's website as "J-POWER Group Sustainability Report 2014."

