

The English version is a translation of the original Japanese version. Please note that if there is any discrepancy, the Japanese version will take priority.

Summary of FY2021 3rd Quarter Earnings Results



Forward Looking Statements

The following contains statements that constitute forward-looking statements, plans for the future, management targets, etc. relating to the Company and/or the J-POWER group. These are based on current assumptions of future events, and there exist possibilities that such assumptions are objectively incorrect and actual results may differ from those in the statements as a result of various factors.

Furthermore, information and data other than those concerning the Company and its subsidiaries/affiliates are quoted from public information, and the Company has not verified and will not warrant its accuracy or appropriateness.

- ✓ All figures are consolidated unless stated otherwise.
- ✓ Amounts less than 100 million yen and electric power sales volume less than 100 million kWh shown in the consolidated financial data have been rounded down. Consequently, the sum of the individual amounts may not necessarily agree with figures shown in total columns.



Renovation Work for Shimamaki Wind Farm, Hokkaido

Target in FY2025: Renewable energy development, 1,500MW and over



Shimamaki-gun, Hokkaido)

(Shimamaki village,

Shimamaki Wind Farm

Capacity $750kW \times 6$ units (4,500kW)

Power generation for more than 20 years from June 2000



New Shimamaki Wind Farm

Capacity 4,300kW×1 unit

Renovation work started in May 2021

Renovation work

Commercial operation (scheduled to) start in 2022

*In addition to Shimamaki, Tomamae (31MW), Sarakitomanai(15MW), and Nikaho-Kogen (25MW) are under construction for replacement (refer to <u>p 23</u>)

Progress of renovation work

Before windmill removal















Table of Contents

| Ι. | Summary of FY 2021 Third Quarter Earnings Results | |
|----|---|---------|
| | Summary of FY2021 Third Quarter Earnings Results | ••• |
| | Key Data | • • • (|
| | FY2021 Third Quarter Earnings Results (Main Factors for Change) | • • • { |
| | Breakdown of Increase / Decrease Factors of Consolidated Ordinary Income | •••(|
| | Consolidated: Revenue / Expenditure Comparison | •••1(|
| | Consolidated: Balance Sheet | •••1′ |
| | (Reference) Recovery of Facility Troubles | •••12 |
| Π. | Summary of FY2021 Earnings Forecast | |
| | Summary of FY2021 Earnings Forecast | •••14 |
| | Key Data | •••15 |
| | FY2021 Earnings Forecast (Main Factors for Change) | •••16 |
| | Breakdown of Increase / Decrease Factors of Consolidated Ordinary Income Forecast | •••17 |
| | | |





Summary of FY 2021 Third Quarter Earnings Results



Summary of FY2021 Third Quarter Earnings Results

(Unit: billion yen)

Increased sales and decreased profits
[year on year]

Main reason for increase in consolidated operating revenue

Electricity sales price hike

Main reasons for decreases in consolidated operating income, consolidated ordinary income, profit attributable to owners of parent

- Decreased incomes due to troubles at power plants, increased purchased electricity cost from JEPX, fuel costs and facilities maintenance costs such as repair costs
- Increased foreign exchange loss, etc.

| Consolidated | FY2020 3rd Quarter (AprDec.) | FY2021 3rd Quarter (AprDec.) | Year-on-year change |
|---|------------------------------------|------------------------------------|------------------------|
| Operating Revenue | 606.2 | 709.5 | 103.2 17.0 % |
| Operating Income | 74.9 | 63.9 | (11.0) (14.7)% |
| Ordinary Income | 67.0 | 54.8 | (12.1) (18.2)% |
| Profit attributable to owners of parent | 56.0 | 40.3 | (15.6) (28.0)% |

| Non-consolidated | FY2020 3rd Quarter (AprDec.) | FY2021 3rd Quarter (AprDec.) | Year-on-year change |
|-------------------|------------------------------------|------------------------------------|------------------------|
| Operating Revenue | 384.0 | 498.1 | 114.0 29.7 % |
| Operating Income | 27.4 | 17.2 | (10.1) (37.0)% |
| Ordinary Income | 62.8 | 57.1 | (5.6) (9.0)% |
| Profit | 55.7 | 55.0 | (0.7) (1.3)% |

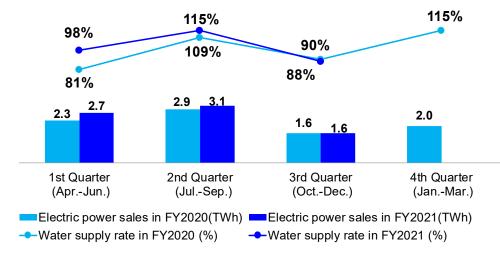


Key Data (Electric Power Sales)

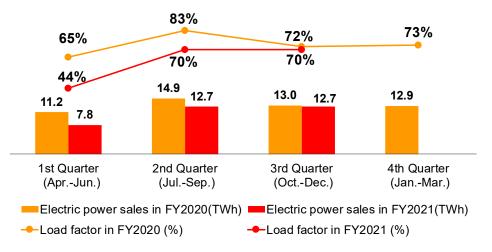
| | FY2020 3rd Quarter (AprDec.) | FY2021 3rd Quarter (AprDec.) | Year-on- chang | |
|----------------------------|------------------------------------|------------------------------------|-------------------|----------|
| Electric Power Sales (TWh) | | | | |
| Electric Power Business | 54.7 | 53.8 | (0.9) | (1.7)% |
| Hydroelectric Power | 6.8 | 7.6 | 0.7 | 10.6 % |
| Thermal Power | 39.1 | 33.2 | (5.8) | (15.0)% |
| Wind Power | 0.7 | 0.8 | 0.0 | 1.3 % |
| Other ^{*1} | 7.9 | 12.0 | 4.1 | 53.1 % |
| Overseas Business*2 | 9.0 | 9.0 | 0.0 | 0.6 % |
| Water supply rate | 92% | 101% | +9 points | |
| Load factor *3 | 76% | 62% | (14) points | <u> </u> |

Electric Power Sales for each Quarter

[Domestic Hydroelectric Power]



[Domestic Thermal Power]



^{*1} Electric power sales volume of electricity procured from wholesale electricity market, etc.

^{*2} Electric power sales volume of overseas consolidated subsidiaries (Electric power sales volume of equity method affiliated companies is not included)

^{*3} Load factors of thermal power show the results for non-consolidated only



Key Data (Operating Revenue)

[Electricity business] In spite of lower utilization ratio of thermal power plants due to facility troubles, the volume of electricity sales to retailers increased ending with a slight fall in sales volume. Meanwhile, overall incomes rose since electric power business income increased due to soaring resource prices and due to increased incomes from JEPX resulting from price increase. Incomes rose mainly because the sales of our subsidiary having interests in Australian coal mines increased due to soaring coal prices.

[Other business]

| | FY2020 3rd Quarter (AprDec.) | FY2021 3rd Quarter (AprDec.) | Year-on chan | • |
|---------------------------------|------------------------------------|------------------------------------|-----------------|--------|
| Operating Revenue (Billion yen) | 606.2 | 709.5 | 103.2 | 17.0 % |
| Electric Power Business | 471.1 | 567.2 | 96.1 | 20.4 % |
| Electric Power Sales | 424.7 | 528.4 | 103.7 | 24.4 % |
| Renewables*1 | 92.8 | 97.7 | 4.8 | 5.2 % |
| Transmission / Transformation | 37.4 | 36.3 | (1.0) | (2.7)% |
| Overseas Business*2 | 107.2 | 102.4 | (4.8) | (4.5)% |
| Other Business*3 | 27.8 | 39.8 | 11.9 | 43.0 % |

| | FY2020 | FY2021 |
|--|--------------------------|--------------------------|
| | 3rd Quarter (AprDec.) | 3rd Quarter (AprDec.) |
| Foreign exchange rate at the end of September (Yen/US\$) | 105.80 | 111.92 |
| Foreign exchange rate at the end of September (Yen/THB) | 3.34 | 3.30 |
| Foreign exchange rate at the end of September (THB/US\$) | 31.66 | 33.92 |
| Average foreign exchange rate (Yen/US\$) | 106.11 | 111.14 |

^{*1} Hydroelectric and wind power

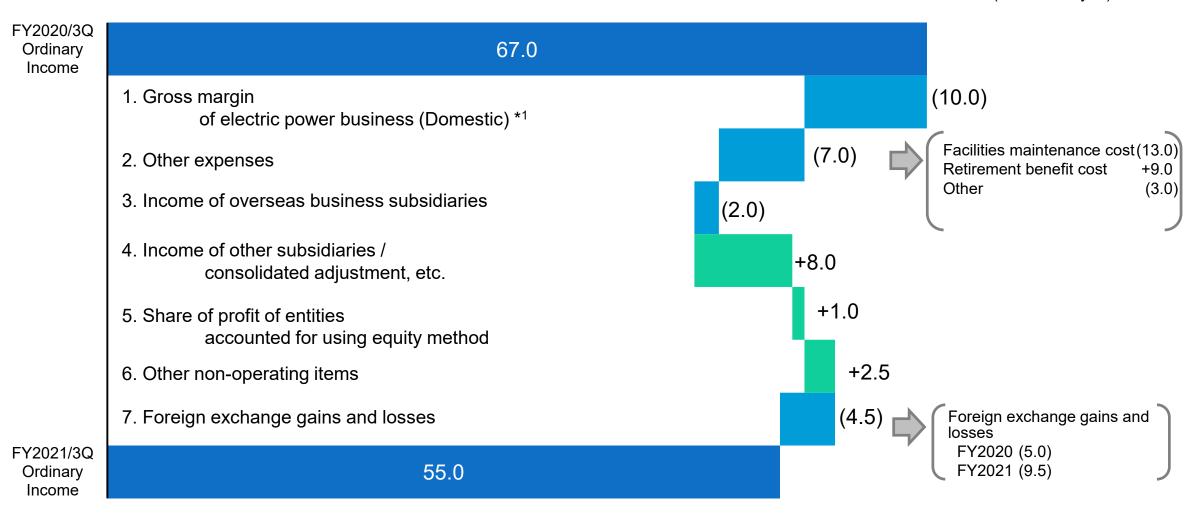
^{*2} Sales for the overseas business segment (Sales from overseas consolidated subsidiaries and overseas consulting business, etc.)

^{*3 &}quot;Other Business" is composed of "Electric Power-Related Business" segment and "Other Business" segment



FY2021 Third Quarter Earnings Results (Main Factors for Change)

(Unit: billion yen)



^{*1} Gross margin of electric power business (Domestic): Domestic electric power business revenue (hydro, thermal, wind and other) – fuel costs, etc.



Breakdown of Increase / Decrease Factors of Consolidated Ordinary Income

(Unit: billion yen)

1.Gross margin of electric power business (Domestic) (10.0)

- Profit fall due to increased unscheduled outages
- Decreases in sales volume and price in base load market
- Wholesale contracts with EPCOs: improved fuel margin
- Fall in gross profit from JEPX trading due to fuel costs hike
- Increased sales of renewable energy, etc.

2.Other expenses (7.0)

- Increase in maintenance cost (13.0)
- Decrease in retirement benefit cost +9.0
- Decrease in cost in various items (3.0)

3.Income of overseas business subsidiaries (2.0)

Thailand consolidation project (2.0) (Fall in availability incomes and rise in maintenance costs resulting from periodic inspections)

4. Income of other subsidiaries /

consolidated adjustment, etc. +8.0

 Increase in profit due to the rise of coal price in Australian coal mines, which one of our subsidiaries owns through proportional consolidation

5.Share of profit of entities accounted for using equity method +1.0

Overseas +1.0

- Increase in profit in US projects
- Decrease in profit of Chiahui due to sale of shares in the previous fiscal year

Domestic ±0

6.Other non-operating items +2.5

 Decreased interest payable, valuation loss/gain on derivatives, etc.

7.Foreign exchange gains and losses*1 (4.5)

 \cdot Q3 2020 (5.0) \rightarrow Q3 2021 (9.5)

Foreign exchange rate(THB/USD)

| | At the end of December of the previous year | At the end of September*2 |
|--------|---|---------------------------|
| FY2020 | 30.15 | 31.66 |
| FY2021 | 30.04 | 33.92 |

^{*1} Foreign exchange valuation gains and losses mainly on US dollar-denominated debt in power generation projects in Thailand

^{*2} The settlement period of overseas subsidiaries is from January to December



Consolidated: Revenue / Expenditure Comparison

(Unit: billion yen)

| | | | | (Offic. Dillion year) |
|---|-------------|-------------|--------------|--|
| | FY2020 | FY2021 | Year-on-year | Main factors for change |
| | 3rd Quarter | 3rd Quarter | change | Main factors for change |
| Operating Revenue | 606.2 | 709.5 | 103.2 | |
| Electric power business | 471.1 | 567.2 | 96.1 | |
| Overseas business | 107.2 | 102.4 | (4.8) | |
| Other business | 27.8 | 39.8 | 11.9 | |
| Operating Expenses | 531.3 | 645.5 | 114.2 | Electric power business +112.9, Overseas |
| | | | | business (2.4), Other business +3.8 |
| Operating Income | 74.9 | 63.9 | (11.0) | |
| Non-operating Revenue | 18.1 | 19.9 | 1.7 | |
| Share of profit of entities accounted for | 12.3 | 13.5 | 1.1 | |
| using equity method | | | | |
| Other | 5.8 | 6.4 | 0.6 | |
| Non-operating Expenses | 26.1 | 29.0 | 2.9 | |
| Interest expenses | 17.7 | 16.5 | (1.2) | |
| Foreign exchange losses | 4.9 | 9.7 | 4.8 | |
| Other | 3.3 | 2.7 | (0.6) | |
| Ordinary Income | 67.0 | 54.8 | (12.1) | Electric power business (14.4), Overseas |
| | _ | | | business (4.7), Other business +6.7 |
| Extraordinary income | 9.7 | - | (9.7) | |
| Total income taxes | 15.4 | 12.0 | (3.3) | |
| Profit attributable to owners of parent | 56.0 | 40.3 | (15.6) | |



Consolidated: Balance Sheet

(Unit: billion yen)

| | | | | (Unit: billion yen |
|--|---------------------|---------------------|----------------------------------|---|
| | FY2020 End of FY | FY2021 End of 3Q | Change from prior year end | Main factors for change |
| Non-current Assets | 2,475.2 | 2,537.2 | 62.0 | |
| Electric utility plant and equipment | 1,107.3 | 1,076.1 | (31.2) | Non-consolidated (23.2), Subsidiaries and others (8.0) |
| Overseas business facilities | 286.9 | 265.7 | (21.1) | |
| Other non-current assets | 91.1 | 91.2 | 0.0 | |
| Construction in progress | 588.2 | 641.7 | 53.5 | Non-consolidated+12.1, Subsidiaries and others +41.3 |
| Nuclear fuel | 75.3 | 75.4 | 0.1 | |
| Investments and other assets | 326.1 | 386.8 | 60.7 | Long-term investments +63.5 (Includes impact of foreign exchange revaluation on long-term investment of entities accounted for using equity method+9.7) |
| Current Assets | 366.7 | 359.8 | (6.9) | |
| Total Assets | 2,841.9 | 2,897.0 | 55.1 | |
| Interest-bearing debt | 1,664.6 | 1,701.7 | 37.0 | Non-consolidated +39.9, Subsidiaries and others (2.8) |
| Other | 323.5 | 300.8 | (22.7) | Accrued taxes (29.0) |
| Total Liabilities | 1,988.2 | 2,002.5 | 14.2 | |
| Shareholders' equity | 814.7 | 841.5 | 26.7 | Increase in retained earnings |
| Accumulated other comprehensive income | (5.6) | 9.1 | 14.7 | Foreign currency translation adjustment +9.7, Deferred gains or losses on hedges+8.3 |
| Non-controlling interests | 44.5 | 43.9 | (0.6) | |
| Total Net Assets | 853.6 | 894.5 | 40.8 | |
| D/E ratio (x) | 2.1 | 2.0 | | |
| Shareholders' equity ratio | 28.5% | 29.4% | | |
| • • | 28.5% | 29.4% | | |



(Reference) Recovery of Facility Troubles

(As of January 31, 2022)

| | Situation of facility trouble | Status |
|----------------------------------|--|---|
| Isogo Unit1, Unit2 1,200MW | Suppressed operation due to fire in the coal storage silo(approx.75%) since October 20, 2020 | Resumed full operation on July 22, 2021 |
| Tachibanawan Unit1 1,050MW | Trouble on medium-pressure steam turbine caused on December 25, 2020 | Resumed operation on July 10, 2021 Suppressed operation (approx.60%) The complete recovery date is not determined |
| Matsushima Unit2 500MW | Boiler tube leaks caused on February 9, 2021 | •Resumed operation on June 12, 2021 |
| Matsuura Unit1, Unit2 2,000MW | Destruction of coal unloader caused on April 4, 2021 | •Resumed operation on July 14, 2021 |
| Kashima 600MW | Stop operation due to the trouble on generator on May 4, 2021 | ·Resumed operation on July 22, 2021 |
| Matsushima Unit1 500MW | Boiler tube leaks caused on June 17, 2021 | •Resumed operation on August 6, 2021 |
| Tachibanawan Unit2 1,050MW | Trouble in Gas Gas Heater(GGH) Reheater caused on September 1, 2021 | •Resumed operation on October 15, 2021 |
| Matsuura Unit 1 1,000MW | Boiler tube leaks caused on November 23, 2021 | •Resumed operation on December 9, 2021 |





Summary of FY2021 Earnings Forecast



(Unit: billion yen)

Summary of FY2021 Earnings Forecast

Revised earnings forecast released on October 29, 2021 (no change with dividends forecast)

Increased incomes and increased profits expected (as compared to previous forecasts)

- Main reason for expected increase in incomes
- Increased revenue from electricity sales to JEPX due to price increase
- Main reason for expected increase in profits
- JEPX price increase
- Increase in gross profit of electricity business due to ingenuity of fuel procurement

| Consolidated | FY2020 Result | FY2021 Forecast | Comparison v Res | | FY2021 Previous Forecast* | Comparison with Previous Forecast |
|---|------------------|--------------------|---------------------|---------|---------------------------------|--------------------------------------|
| Operating Revenue | 909.1 | 1,030.0 | 120.8 | 13.3 % | 990.0 | 40.0 |
| Operating Income | 77.7 | 74.0 | (3.7) | (4.9)% | 44.0 | 30.0 |
| Ordinary Income | 60.9 | 63.0 | 2.0 | 3.4 % | 41.0 | 22.0 |
| Profit attributable to owners of parent | 22.3 | 46.0 | 23.6 | 106.2 % | 30.0 | 16.0 |

| Non-consolidated | FY2020 Result | FY2021 Forecast | Comparison with FY2020 Result | | FY2021 Previous Forecast* | Comparison with Previous Forecast |
|-------------------|------------------|--------------------|----------------------------------|---------|---------------------------------|--------------------------------------|
| Operating Revenue | 589.9 | 739.0 | 149.0 | 25.3 % | 706.0 | 33.0 |
| Operating Income | 77.8 | 5.0 | (72.8) | (93.6)% | (22.0) | 27.0 |
| Ordinary Income | 114.0 | 45.0 | (69.0) | (60.5)% | 18.0 | 27.0 |
| Profit | 15.5 | 46.0 | 30.4 | 196.2 % | 26.0 | 20.0 |

| (. | Cash dividends per share | | | | | |
|--------|--------------------------|-------------------|-------------------|--|--|--|
| | Interim | Year end | Annual | | | |
| FY2020 | 35 yen | 40 yen | 75 yen | | | |
| FY2021 | 35 yen | 40 yen (forecast) | 75 yen (forecast) | | | |

^{*} Earnings forecast released on October 29, 2021



Key Data

- As for sales forecast, incomes are expected to increase due to increased sales to JEPX resulting from price increase
- Assumed exchange rate was changed to the rate at end of December

| | FY2020 Result | FY2021 Curent Forecast | Comparison with FY2020 Result | | FY2021 Previous Forecast ^{*5} | Comparison with Previous Forecast |
|---------------------------------|------------------|------------------------------|----------------------------------|--------|--|---|
| Electric Power Sales (TWh) | | | | | | |
| Electric Power Business | 74.5 | 73.3 | (1.2) | (1.6)% | 72.8 | 0.5 |
| Hydroelectric Power | 8.9 | 9.4 | 0.5 | 6.2 % | 9.8 | (0.4) |
| Thermal Power | 52.1 | 47.4 | (4.7) | (9.1)% | 46.7 | 0.6 |
| Wind Power | 1.2 | 1.1 | (0.0) | (3.4)% | 1.1 | (0.0) |
| Other ^{*1} | 12.3 | 15.2 | 2.9 | 24.3 % | 15.0 | 0.2 |
| Overseas Business*2 | 11.0 | 11.5 | 0.4 | 3.8 % | 12.1 | (0.6) |
| Operating Revenue (Billion yen) | 909.1 | 1,030.0 | 120.8 | 13.3 % | 990.0 | 40.0 |
| Electric Power Business | 731.3 | 824.0 | 92.6 | 12.7 % | 787.0 | 37.0 |
| Electric Power Purchase | 670.9 | 760.0 | 89.0 | 13.3 % | 727.0 | 33.0 |
| Transmission/Transformation | 49.6 | 49.0 | (0.6) | (1.4)% | 49.0 | 0.0 |
| Overseas Business*3 | 138.0 | 147.0 | 8.9 | 6.5 % | 145.0 | 2.0 |
| Other Business*4 | 39.7 | 59.0 | 19.2 | 48.4 % | 57.0 | 2.0 |

| | FY2020 Result | FY2021 Current Forecast | FY2021 Previous Forecast ^{*5} |
|--|------------------|-------------------------------|--|
| Water supply rate | 96% | 101% | 103% |
| Load factor | 75% | 66% | 65% |
| Foreign exchange rate at term end (end of December 2021) | | | |
| Yen/USD | 103.50 | 115.02 | 105.00 |
| Yen/THB | 3.44 | 3.43 | 3.60 |
| THB/USD | 30.04 | 33.42 | 30.04 |

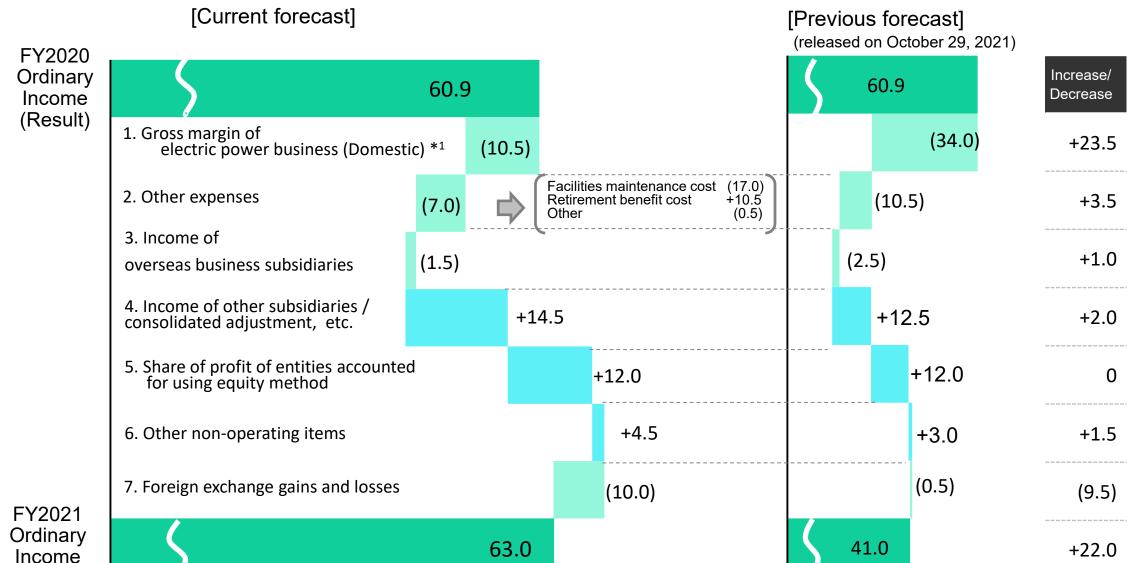
- *1 Electric power sales volume of electricity procured from wholesale electricity market, etc.
- *2 Electric power sales volume of overseas consolidated subsidiaries (Electric power sales volume of equity method affiliated companies is not included.)
- *3 Sales for the overseas business segment (Sales from overseas consolidated subsidiaries and overseas consulting business, etc.)
- *4 "Other business" is composed of "Electric power-related business" segment and "Other business" segment.

^{*5} Earnings forecast released on October 29, 2021



FY2021 Earnings Forecast (Main Factors for Change)

(Unit: billion yen)



(Forecast)

^{*1} Domestic electric power business revenue (hydro, thermal, wind and other) - Fuel costs, etc.



Breakdown of Increase / Decrease Factors of Consolidated Ordinary Income Forecast

(Unit: billion yen)

1.Gross margin of electric power business (Domestic) +23.5

- Wholesale contracts with EPCOs: improved fuel margin
- Market trade: improved gross profit due to decreased fuel costs and increased sale prices

2.Other expenses +3.5

Actual results and scrutinized forecast of cost

3.Income of overseas business subsidiaries +1.0

Thailand consolidation project +10
 Increased energy margin, decreased facilities maintenance costs
 exchange rate fluctuations, etc.

4. Income of other subsidiaries /

consolidated adjustment, etc. +2.0

- Increased profits of the subsidiary having interests in Australian coal mines
- Decreased cost in subsidiaries

5.Share of profit of entities accounted for using equity method 0

6.Other non-operating items +1.5

Increase in income of insurance

7.Foreign exchange gains and losses*1 (9.5)

Foreign exchange losses (9.5)

Foreign exchange rate(THB/USD)

| | At the end of December of the previous year | At the end of December* ² | |
|--------|---|---|--|
| FY2020 | 30.15 | 30.04 | |
| FY2021 | 30.04 | 33.42 | |

^{*1} Foreign exchange valuation gains and losses mainly on US dollar-denominated debt in power generation projects in Thailand

^{*2} The settlement period of overseas subsidiaries is from January to December







APPENDIX

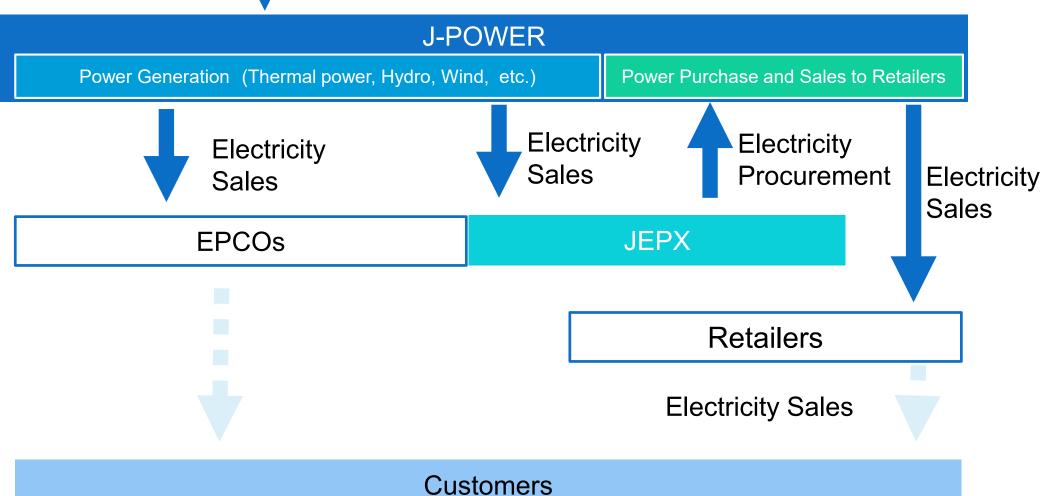
| Main Flow of Electricity Sales in Japan | •••20 | Overseas Main Projects Under Construction / Development | •••33 |
|---|-------|---|-------|
| Changed Supplied Electricity to "Smart Energy Project in Nihonbashi / Toyosu " Green | •••21 | Phasing Out of Inefficient Coal-fired Thermal Power | 35 |
| Expansion of Renewable Energy | •••22 | rowei | |
| Renewable Energy Development Projects | ···23 | Phasing Out of Inefficient Coal-fired Thermal Power / Indicator for Efficiency | •••36 |
| Ohma Nuclear Power Project | •••25 | Actions Taken towards HVDC Transmission | ···37 |
| Response to the New Safety Standards at the Ohma Nuclear Power Plant | ···26 | System | 01 |
| | | Consolidated: Revenues and Expenses | •••38 |
| Osaki CoolGen Project | •••27 | Non-consolidated: Operating Revenues & | 39 |
| Upcycling Existing Thermal Power Plants – GENESIS Matsushima | ···28 | Expenses | |
| GLNLSIS Matsustilitia | | Consolidated: Segment Information | •••40 |
| Australian Brown Coal Hydrogen Pilot Test Project | •••29 | Consolidated: Cash Flow | •••41 |
| Carbon Recycling Test Projects | 30 | Consolidated: Key Ratios and Key Data | •••42 |
| | | Monthly Electricity Sales | ···43 |
| Overview of Gundih CCUS Project | •••31 | | |
| Zero Emission from Power Source (Work for Stable Procurement of Biomass Fuels) | •••32 | | |



Main Flow of Domestic Electricity Business

Coal Mines (Australia and other countries)

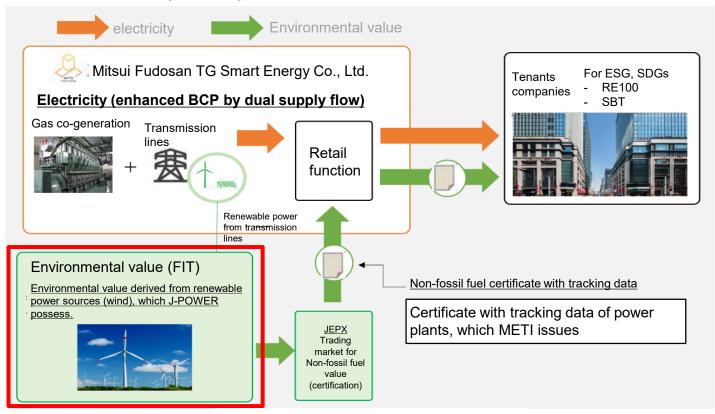






Changed Electricity to "Smart Energy Project in Nihonbashi / Toyosu" Green

- Realized to change electricity supplied to "Smart energy project in Nihonbashi/Toyosu", which Mitsui Fudosan Co.,Ltd. and Tokyo Gas Co.,Ltd. advance, green (becoming virtually renewable electricity) through utilizing environmental value derived from J-POWER group's wind farms
- First case in specified power transaction and distribution business





Mechanism of green electricity (image only)

Electricity supply area, Nihonbashi energy center

^{* 1 &}quot;Smart Energy Project": The name of a project that stably supplies electricity and heat through the specified power transmission and distribution business implemented by Mitsui Fudosan TG Smart Energy Co., Ltd. A business that maintains and operates power transmission and distribution equipment such as transmission lines, substations, and distribution lines, notifies the Minister of Economy, Trade and Industry of the business of delivering electricity to specific supply points, and has been registered for retail supply



Expansion of Renewable Energy

15 Rooftop solar

2 Kidston Stage 1

(Thailand)

Progress in FY2021

Hibikinada

| Hydroelectric | Started preparation for construction of Onabara power plant | 1 |
|----------------|---|--------|
| Solar | Acquired 10% stake of Genex Power Limited | 2-5 |
| Pumped hydro | Acquired two solar power projects | 6, 7 |
| | Start of rooftop solar business in Thailand | 15 |
| Onshore wind | Started replacement work at three existing sites | 8,9,10 |
| | Started construction of Minami Ehime No.2 Onshore Wind Farm | 12 |
| | Started joint construction of Esashi Wind Farm | 11 |
| | Conducted jointly in "Hachinosawa wind power project (tentative name)" | 13 |
| Off-shore wind | "Started joint environment assessment of "(tentative name) Yuza off-shore wind power project in Yamagata prefecture | 14 |

4 K2 Hydro

5 K2 Solar

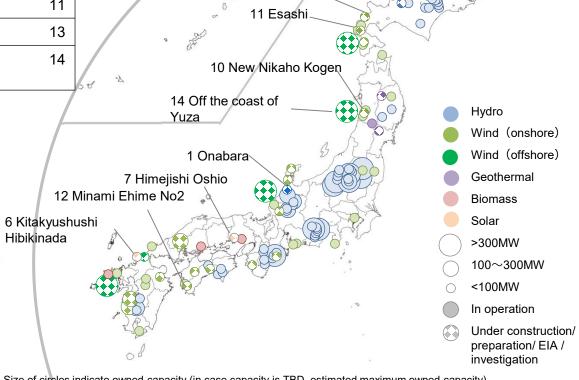
3 Jemalong Solar

(As of December 31, 2021)

13 Hachinosawa

9 New

Sarakitomanai



8 New Shimamaki

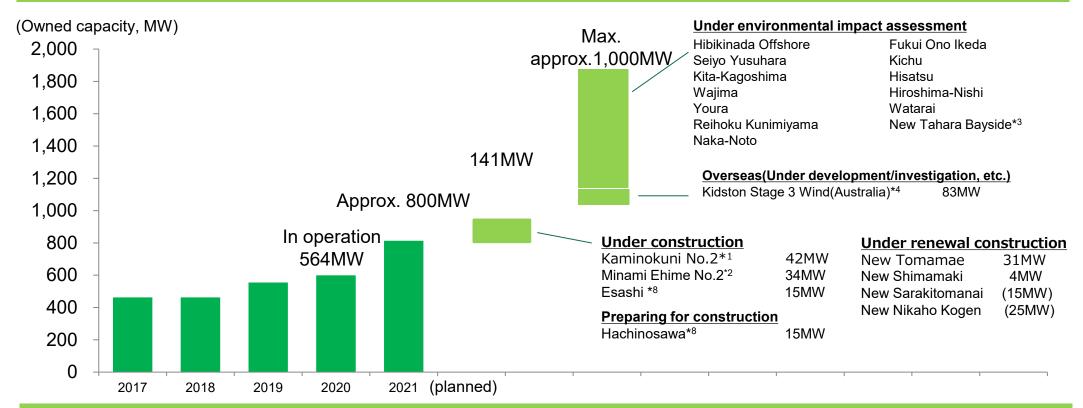
^{*} Size of circles indicate owned capacity (in case capacity is TBD, estimated maximum owned capacity) * Developers of offshore wind projects outside port area in Japan are decided by bidding after each sea are is designated as a promoting area. The indicated capacities for offshore wind projects outside port area which are jointly implemented with other companies are estimated maximum gross capacities



Renewable Energy Development Projects (Wind)

(As of December 31, 2021)

Onshore and offshore (port area)



Offshore (outside port area)

Under research for development

Saikai Offshore*5 Hiyama-area Offshore Awara Offshore*6 Yuza Offshore *7

Max. approx. 1,850MW in total

Note: capacity with () is not included in the bar graph.

- Renewal projects with no capacity increase under "Construction underway/ preparing" and "Under environmental impact assessment", where existing windmills continue to operate

^{*1} Presents only phase 1 construction. Total plan amounts up to 120.4MW *2 Total plan amounts up to 40.8MW

^{*3} Estimated capacity increase with replacement *4 Conducted jointly with Genex Power Limited. The owned capacity includes 10% stake in Genex in addition to the 50% stake held by the Company under the development funding agreement.
*5 Conducted jointly with SUMITOMO CORPORATION *6 Conducted jointly with Mitsui Fudosan Co., Ltd. *7 Joint environment assessment as a consortium

^{*8} Conducted jointly with SymEnergy Inc. Owned capacity considering future share of SymEnergy Inc.



Renewable Energy Development Projects (Hydro, Geothermal, Solar)

(As of December 31, 2021)

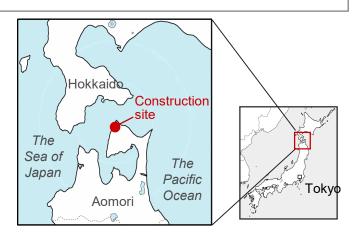
| | Project | Capacity | Ownership | Owned capacity | Note |
|----------|---|---------------|-----------|----------------|---|
| | Shinkatsurazawa/ Kumaoi | 17.0MW | 100% | 17.0MW | Start of operation : FY2022 (planned) |
| | Ashoro Repowering | - | 100% | - | Completion of construction : FY2022 (planned) |
| Hydro | Ogamigo Repowering | 20.0MW→21.3MW | 100% | 20.0MW→21.3MW | Completion of construction : FY2023 (planned) |
| . iya. c | Nagayama Repowering | 37.0MW→39.5MW | 100% | 37.0MW→39.5MW | Completion of construction : FY2025 (planned) |
| | Onabara | 1.0MW | 100% | 1.0MW | Start of operation : FY2024 (planned) |
| | K2 Hydro (Australia, Pumped hydro) | 250MW | 10% | 25MW | Start of operation : 2024 (planned) |
| | Project | Capacity | Ownership | Owned capacity | Note |
| Geo- | Onikobe Replacement | 14.9MW | 100% | 14.9MW | Start of operation: April 2023 (planned) |
| thermal | Appi | 14.9MW | 15% | 2.2MW | Start of operation: April 2024 (planned) |
| | Takahinatayama-area | - | - | - | Under research for development |
| | Project | Capacity | Ownership | Owned capacity | Note |
| | Kitakyushushi Hibikinada (JPN) | 30MW | 100% | 30MW | Start of operation: FY2024 (planned) |
| | Himejishi Oshio (JPN) | 2MW | 100% | 2MW | Start of operation: FY2024 (planned) |
| Calan | Wharton (USA) | 350MW | 25% | 87.5MW | Start of operation: After 2022 (planned) |
| Solar | Refugio (USA) | 400MW | 25% | 100.0MW | Start of operation: After 2023 (planned) |
| | Birchwood (USA) | 50MW | 50% | 25MW | Start of operation: After 2023 (planned) |
| | K2 Solar (Australia) | 270MW | 10% | 27MW | Start of operation : After 2024 (planned) |
| | Rooftop solar (2 projects, Thailand) | total 1.2MW | 60% | 0.7MW | Start of operation : After 2022 (planned) |



Ohma Nuclear Power Project

- In December 2014, J-POWER submitted to NRA* an application for permission for alteration of reactor installment license and an application for construction plan approval in order to undertake review of compliance with the new safety standards
- The impact of earthquakes and Tsunamis are being reviewed by NRA
- Sincerely and appropriately respond to compliance reviews and aim to restart full scale construction work quickly
- Strive for more polite information communication and mutual communication so that we can gain the understanding and trust of the community

| Overview of the Project | | | | | | | |
|---|---|--|--|--|--|--|--|
| Location Ohma-machi, Shimokita-gun, Aomori Prefecture | | | | | | | |
| Capacity 1,383MW | | | | | | | |
| Type of nuclear reactor Advanced Boiling Water Reactor (ABWR) | | | | | | | |
| Fuel Enriched uranium and uranium-plutonium mixed oxide (MOX) | | | | | | | |
| Commencement of operations To be determined | | | | | | | |
| Process (Results) | Application for review of | | | | | | |
| Construction commenced in May | Construction resumed in October Application for review of compliance with new safety standards in December | | | | | | |
| (Year) 2008 > 2009 | > 2010 > 2011 > 2012 > 2013 > 2014 > 2015- | | | | | | |
| Obtained permission nuclear reactor in | · | | | | | | |



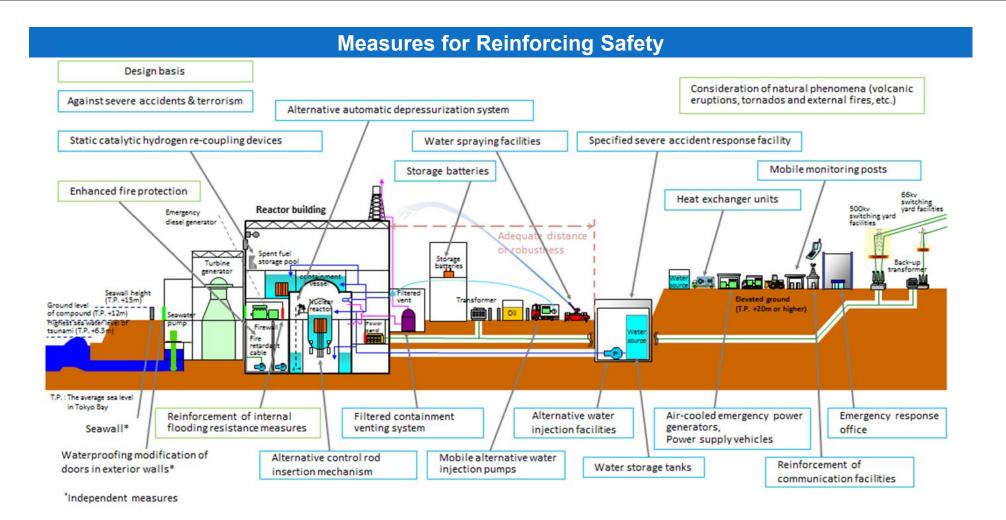




Response to the New Safety Standards at the Ohma Nuclear Power Plant

Construction Works for Measures for Reinforcing Safety

- Construction Period: From the 2nd half of 2022 to the 2nd half of 2027
- Construction Cost: Approx. 130 billion yen
 *The construction plan is based on J-POWER's projections, which incorporate estimations of examination and permit process durations by the NRA.





Osaki CoolGen Project

- Demonstration test *1 of a system that produces coal gasification gas containing hydrogen and uses it to generate electricity is underway
- In Phase 2, the basic performance (CO₂ recovery rate of 90% or more, CO₂ recovery purity of 99% or more) has been confirmed in the demonstration test until the end of February 2021. In the future, we will continue to conduct demonstration tests to improve the accuracy of the results so far. We started construction of installation of the equipment in March 2021 for the third phase demonstration test

| Company | Osaki CoolGen Corporation (Ownership: J-POWER 50%, Chugoku Ele 50%) | Output | 166MW | | |
|----------|---|-----------------|-------|----------------------------|--|
| Location | Chugoku Electric Power Company Osaki Power Station premises (Hiroshima) | Generation type | | n-blown IG Irbine: 1,30 | |

^{*}IGCC (Integrated Coal Gasification Combined Cycle): An integrated power generation system with a twinturbine configuration; the gas produced from coal is used as fuel to drive a gas turbine, the exhaust gas from which and others is used to drive a steam turbine.



| FY | | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|------------------------------|---|-------------------|--------|-------------------|-----------------|----------------------------|--------------------|
| Phase 1 : Demonstration of Oxygen-blown IGCC demonstration | Hydrogen Approx. 25% | Design/ manufacture/ installation | Demonstratio | n test | | | | |
| Phase 2: Demonstration of Oxygen-blown IGCC with CO ₂ separation and capture) | Hydrogen Approx. 85%*2 | Design/manu | ufacture/installa | ation | Dem | | anufacture/ astallation | Demonstration test |
| Phase 3 : Demonstration of IGFC*3 with CO ₂ separation and capture | Hydrogen Approx. 85%*2 | | | | Design/manufactur | re/installation | | Demonstration test |

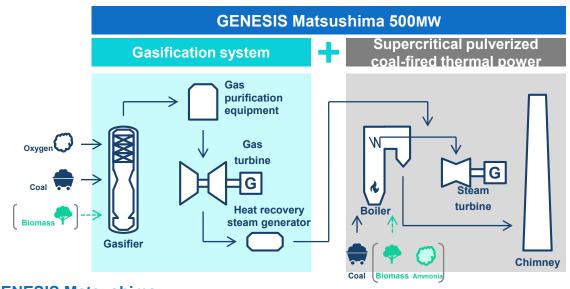
^{*1} The project is subsidized by the New Energy and Industrial Technology Development Organization (NEDO), a national research and development organization.
*2 Hydrogen concentration after CO2 separation and capture. For power generation, the concentration will be lowered for burning due to restrictions on the capability of the turbine used in the demonstration test.

^{*3} IGFC (Integrated Coal Gasification Fuel Cell Combined Cycle): Power generation system combining fuel cells with gas and steam turbines in a triply integrated configuration

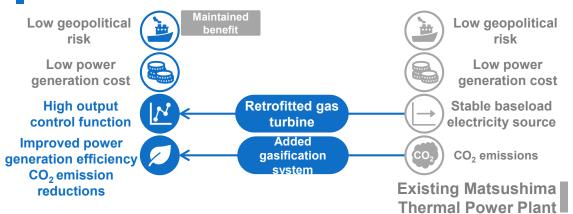


Upcycling Existing Thermal Power Plants – GENESIS Matsushima

- J-POWER will take the first step in CO₂-free hydrogen power generation at the Matsushima Plant that paved the way for using imported coal after the oil crisis.
- J-POWER will realize reducing environmental loads as early as possible by applying new technologies to the existing assets in an economically viable way while maintaining a stable power supply.
- On December 24, 2021, it received Minister of METI's opinion regarding planning stage environment consideration document. Currently preparing form of environmental assessment method



GENESIS Matsushima







* CCUS: Carbon Capture, Utilization, and Storage



Australian Brown Coal Hydrogen Pilot Test Project

- Participating in demonstration test of constructing supply chain which produces hydrogen by gasifying brown coal in Australia and transports it to Japan
- J-POWER has been in charge of brown coal gasification*¹ and hydrogen refining facilities*². We started producing hydrogen in January 2021 and achieved a hydrogen purity of 99.999% in February. Demonstration tests using multiple lignite and biomass mixed lignite are currently underway (scheduled to be completed by the end of March 2022).
- When commercialized in the future, CO₂ free will be achieved by applying CCS to store CO₂ generated in hydrogen production

Overall View of the Global Hydrogen Supply Chain

Brown coal

J-POWER

Gasification Hydrogen liquefaction & Liquefied hydrogen sea loading transportation unloading

Australia

Hydrogen liquefaction & Liquefied hydrogen sea transportation unloading



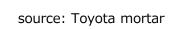
Source:HvSTRA. J-Power/J-Power Latrobe Vallev

Benefits of using brown coal

- Unused
- Abundant resources
- Cheaper than coal

January 2021 Started producing hydrogen Toyota hydrogen engine car that entered the Super Taikyu Series Round 5 (Suzuka) uses hydrogen derived from Australian lignite





In June, we imported hydrogen produced from Australian lignite and conducted a drone flight test to confirm its quality.

| FY | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-----------------------------|-----------------------------|------|--------------------|------|------|------|
| Demonstration test schedule | Design/manufactu test ri | | Demonstration test | | | |

^{*1} Sponsored by the New Energy and Industrial Technology Development Organization (NEDO)

^{*2} Sponsored by the Australian federal government and the Victoria state government



Carbon Recycling Test Projects

■ Considering carbon recycling to utilize CO₂ captured in Osaki CoolGen Project

Osaki CoolGen Carbon Recycling Test Project

Company: Osaki CoolGen Corporation (Ownership: J-POWER 50%, Chugoku Electric Power Company 50%)

Demonstration Outline: Manufacturing Liquefaction carbonic acid production 5ton- CO₂/day

Osaki CoolGen (IGCC+CO₂ Capture Process Demonstration facility)



Examples of Carbon Recycling

Tomato farm

- Jointly operated by J-POWER and KAGOME in Kitakyushu city
- Utilizing thousands tons of CO₂ annually to promote tomato photosynthesis



Research and development related to biofuel production from microalgae

Environmentally friendly concrete

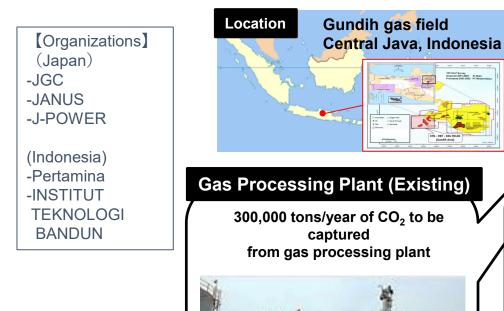
| FY | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-----------------------------|------|------|------------------------|-----------|---------------------------|------|------|
| Demonstration test schedule | | | Design/man installa | ulacture/ | monst- ration tests | | |

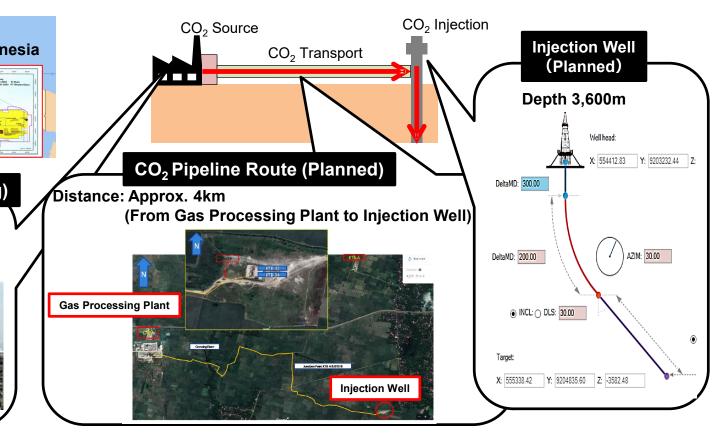
 CO_2



Overview of Gundih CCUS Project

- A CCS demonstration project has been implemented as a JCM (bilateral CO₂ crediting scheme) research project since May 2020, and plans to inject and store CO₂ emitted from natural gas production (300,000 tons- CO₂ /year) in the Gundih gas field in Indonesia
- On June 22, at the 1st Asia CCUS Network Forum, 'the Asia CCUS Network' has launched, which is an international industry—academia—government platform aimed at knowledge sharing and improvement of the business environment for CCUS throughout the Asia region
- Gundih CCUS Project is watched by Japanese and Indonesian officials as a flagship project in the Asia CCUS Network







Zero Emission from Power Source (Work for Stable Procurement of Biomass Fuels)

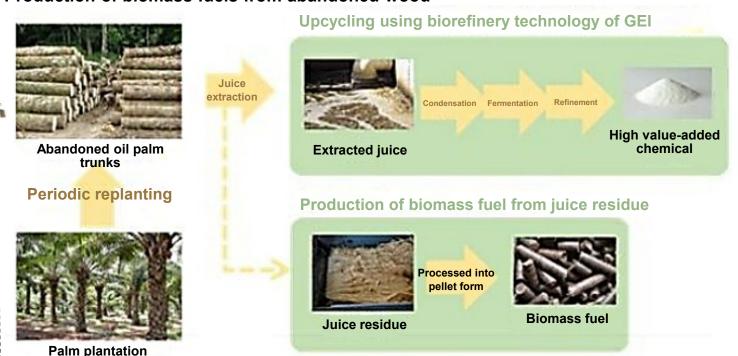
- In 2003 J-POWER started biomass co-firing at our coal-fired power stations (co-firing of oil dried fuel produced from sewage sludge at Matsuura Thermal Power Station)
- In view of the effective use of unused forestry offcuts seen in Japan, J-POWER have been actively engaging in the production of wood biomass fuels since 2011.
- With Enviva Partners, LP, a leading supplier of biomass products in U.S, J-POWER have started joint study on the large-scale (max. 5 million ton per year) and long-term supply of wood pellet fuels to Japan.
- For stable procurement at affordable prices of biomass fuels and to avoid competition with use for food, J-POWER are studying on using as biomass fuel abandoned oil palm trunks so far requiring disposal as waste.

[Miyazaki Wood Pellet] Production of wood pellets from forestry offcuts



Co-fired at Matsuura thermal power station Average co-firing rate: about 0.4%/year CO2 reduction effect: about 40 thousand tCO2/year

[Multifaceted business including biomass fuel production in partnership with Green Earth Institute Co., Ltd. (under study)] Production of biomass fuels from abandoned wood





Overseas Main Projects Under Construction / Development

(As of December 31, 2021)

Project Overview Location of the project

Central Java (Indonesia)

Capacity: 2,000MW (1,000MW x 2)

Type: Coal-fired (USC*1)

Ownership: 34%

Status: Under construction Start of operation: 2H, 2022

- IPP project (newly developed coal-fired power plant) awarded through international tender in Indonesia in 2011.
- The plan is to construct a high-efficiency coal-fired power plant in Batang city, Central Java Province.
- After startup of operation, the plant will sell electricity to Indonesia's state-owned electric power utility for a period of 25 years.



Triton Knoll (UK)

Capacity: 857MW Type: Offshore wind Ownership: 25%

Status: Under construction Start of operation: 2022

- Participating in an overseas offshore wind power project from the construction phase.
- A fixed price is guaranteed for 15 years under UK CfD*2 regime.
- Taking advantage of the expertise regarding offshore wind power business obtained by participating in this project, J-POWER will accelerate its commitment to promoting its renewable energy business across the world, including Japan.



Jackson (USA)

Capacity: 1,200MW Type: CCGT*3 Ownership: 100%

Status: Under construction Start of operation: 2022

- Concluded in June 2019 to construct a new power plant next to Elwood plant now under operation
- A greenfield project to build a power plant from scratch
- Close to Chicago, a high power-demand area
- Electricity is sold in the PJM*4 market



^{*1} USC: Ultra - Supercritical

^{*2} CfD regime: The CfD is an investment incentive program of UK, which will be granted to wind power generators and other low carbon electric power resources. Accredited electricity generators shall execute the CfD agreement with the LCCC (Low Carbon Contracts Company), a CfD management company owned by the British Government, and then, the parties thereto will make settlements for an electricity price based on the difference between the strike price, which is provided under the agreement, and the reference price, which is determined according to wholesale market prices from time to time.

^{*3} CCGT: Combined Cycle Gas Turbine

^{*4} PJM: The independent system operator in the Eastern US that operates the largest wholesale electricity market in the US as well as runs its electric power system.



Overseas Main Projects Under Construction / Development

(As of December 31, 2021)

Location of the project **Project** Overview

Wharton, Refugio (USA)

Capacity:

Wharton:350MW, Refugio:400MW

Type: Solar, Ownership: 25% Status: Under development

Start of operation: After2022, after 2023

- First renewable project in USA for J-POWER
- Texas has abundant solar resource and can expect growth in power demand
- Located close to Houston, a high-power demand area



Birchwood (USA)

Capacity: Solar 50MW Storage 190MW

Type: Solar Ownership: 50%

Status: Under development

Start of operation: After 2023 (Solar)

- Third renewable project in USA for J-POWER
- Execution of Joint Development Agreement with Fortress Investment Group, LLC
- Developing solar generation and energy storage projects in Virginia after closing Birchwood Power in March 2021, which is the coal-fired power plant and J-POWER has owned 50% of its interest



Kidston Stage-3 Wind (Australia)

Capacity: 150MW Type: Onshore wind Ownership: 50%*

Status: Under development Start of operation: 2025

- First renewable project in Australia for J-POWER
- J-POWER executes Development Funding Agreement with Genex Power Limited for New Wind Project
- Leveraging J-POWER's domestic and international wind energy expertise and Genex's renewable energy development capabilities in Australia



Rooftop solar (2 projects, Thailand)

Capacity: total 1.2MW

Type: Solar Ownership: 60%

Status: Under development

Start of operation: Each project will commence

commercial operation after 2022

- Utilizing the business foundation formed by large-scale gas-fired development
- Work for decentralized power sources to accommodate growing requirements of customers for decarbonization
- Aiming to supply CO2-free energy by installing solar photovoltaic systems on customers' factory roofs



Phasing Out of Inefficient Coal-fired Thermal Power

- We showed the future direction of the treatment of inefficient coal-fired thermal power plants in J-POWER "BLUE MISSION 2050"
 - Phasing out aged power plants one after another/Lower emissions (mixed combustion with biomass and ammonia)/ Upcycling

Consolidated ordinary income ¥78.0 bn*1

Other business ¥0.5 bn

Overseas business ¥33.9 bn

Electric power related business ¥18.5 bn

Electric power business

¥27.4 bn



Income from inefficient coal-fired thermal power Around ¥10.0 bn (Capacity 3,512MW)

FY2019 Consolidated ordinary income

Challenges for aging thermal power

- It will be difficult to operate for a long time due to aging
- Necessity of slimming personnel and cost reduction by changing the operation
 system of thermal power plants

Efforts toward zero emissions

- Phasing out aged power plants one after another, and approaching to lower emissions(such as expanding the mixed combustion with biomass and introducing the mixed combustion with ammonia)
- Upcycling (adding gasifier to the existing assets)
- ➤ Fuel production (CO₂-free hydrogen) by using coal gasification technology and utilize in other industries

Phasing Out of Inefficient Coal-fired Thermal Power Plants

- CO₂ emission reduction target in 2030: -40%, realization of CO₂-free hydrogen power generation
- Maintaining the business foundation through the results of efforts toward zero emissions
- ✓ When investing in large-scale new power plants, it is also important to consider profitability and predictability of investment recovery. Aim to build a new generation portfolio while maintaining and improving profitability
- A large-scale power generation business is built on relationships with various stakeholders.

 Take the time to respond carefully with the understanding of the locals who are greatly affected

^{*1} Is not equal to the sum of each segment income due to adjustment of inter segment transaction, etc.



Phasing Out of Inefficient Coal-fired Thermal Power / Indicator for

As a result of government discussions on the phase-out of inefficient coal-fired power plants, regulatory and inductive measures will be introduced to improve the efficiency of coal-fired power plants, considering security of stable supply.

| | _ | | | |
|--------------------------|--|--|--|---|
| | A indicator | gy Conservation Act B indicator | <regulatory measures=""> New indicator for coal-fired power plants</regulatory> | <inductive measures=""> Capacity market</inductive> |
| Efficiency standard | Total achievement of target efficiency for each fuel type (A indicator: more and or 1.0) Coal-fired : 41% LN : 48% Oil-fired, etc. : 39% | 44.3% | 43% | 42% |
| Scope of evaluation | By company | | By company | By plant |
| Scope of calculation | Total weighted average of all fuel type plant's achievement | Weighted average of all fuel type plant's efficiency | Coal | Coal |
| Method of calculation | Actual efficiency | | Actual efficiency | Design efficiency (As of bidding) |
| Correction of efficiency | of Biomass co-firing/Heat utilization | | -Biomass co-firing/Heat utilization -Hydrogen or Ammonia co-firing -Adjustment correction according to load factor | Consider equipment improvement by the time of bidding |
| Others | | | Concept of adjustment correction Correction [%] = (0.037)×load factor [%]+3.69 | Receipt rate of capacity payment according to load factor Below 50% load factor: 100% Over 50% load factor: 80% (Review of the reduction rate after FY2026 bidding will be considered) |



Actions Taken towards HVDC Transmission System

- Japanese government is currently examining "Master Plan" (reinforcement of the national grids) considering the future power development in order to largely expand the renewable energy and secure the resilience.
- Utilization of offshore wind power requires long-distance transmission of massive power to the point of consumption. Therefore, the introduction of HVDC transmission system, which has benefits from the viewpoint of cost, efficiency flexibility of the operation and stability of the grids, is being studied.
- J-POWER Transmission Network Co., Ltd. (J-POWER Transmission), a wholly owned subsidiary of J-POWER, is appointed together with Research Institute for Ocean Economics and Eukote Energy LLC to carry out "the study on the establishment and operation of HVDC transmission system from the offshore wind power" by the New Energy and Industrial Technology Development Organization.

| Study | Period |
|-------|---------|
| Ctua | . 01100 |

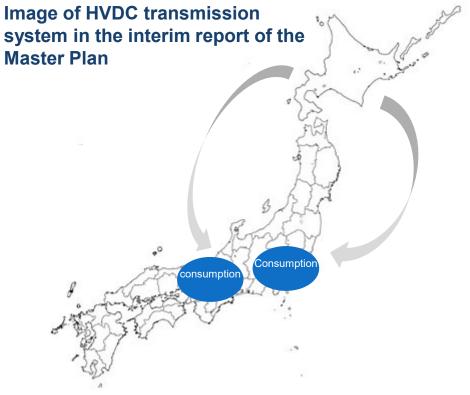
From July 2021 to March 2022

Study Content

- 1.Study on detailed roots for the HVDC transmission system
- 2.Study on the facility required for HVDC transmission system
- 3.Study on the cost and schedule for HVDC transmission system
- 4. Study on the status of overseas HVDC transmission system

J-POWER Group's HVDC transmission system facilities

- □ J-POWER Transmission owns and maintains Hokkaido-Honshu HVDC Link and Kii-Channel HVDC Link* (including submarine cables).
- J-POWER Transmission succeeded in constructing Japan's first ultra-high voltage DC power transmission facility and developing a DC CV cable.





Consolidated: Revenues and Expenses

| | | (Office 100 Hillion yell) | | | |
|--------|---|---|--|---|---|
| FY2017 | FY2018 | FY2019 | FY2020 | FY2020 3Q | FY2021 3Q |
| 8,562 | 8,973 | 9,137 | 9,091 | 6,062 | 7,095 |
| 6,319 | 6,937 | 6,841 | 7,313 | 4,711 | 5,672 |
| 1,630 | 1,410 | 1,790 | 1,380 | 1,072 | 1,024 |
| 612 | 625 | 505 | 397 | 278 | 398 |
| 7,519 | 8,185 | 8,301 | 8,313 | 5,313 | 6,455 |
| 1,043 | 788 | 836 | 777 | 749 | 639 |
| 291 | 188 | 265 | 112 | 181 | 199 |
| 97 | 96 | 113 | 27 | 123 | 135 |
| 193 | 92 | 152 | 84 | 58 | 64 |
| 309 | 292 | 320 | 280 | 261 | 290 |
| 283 | 263 | 262 | 237 | 177 | 165 |
| 25 | 28 | 57 | 43 | 83 | 124 |
| 1,024 | 685 | 780 | 609 | 670 | 548 |
| - | - | - | 94 | 97 | - |
| 33 | - | 124 | 57 | - | - |
| 684 | 462 | 422 | 223 | 560 | 403 |
| | 8,562 6,319 1,630 612 7,519 1,043 291 97 193 309 283 25 1,024 | 8,562 8,973 6,319 6,937 1,630 1,410 612 625 7,519 8,185 1,043 788 291 188 97 96 193 92 283 263 25 28 1,024 685 33 - | 8,562 8,973 9,137 6,319 6,937 6,841 1,630 1,410 1,790 612 625 505 7,519 8,185 8,301 1,043 788 836 291 188 265 97 96 113 193 92 152 309 292 320 283 263 262 25 28 57 1,024 685 780 - - - 33 - 124 | 8,562 8,973 9,137 9,091 6,319 6,937 6,841 7,313 1,630 1,410 1,790 1,380 612 625 505 397 7,519 8,185 8,301 8,313 1,043 788 836 777 291 188 265 112 97 96 113 27 193 92 152 84 309 292 320 280 283 263 262 237 25 28 57 43 1,024 685 780 609 - - 94 33 - 124 57 | FY2017 FY2018 FY2019 FY2020 FY2020 8,562 8,973 9,137 9,091 6,062 6,319 6,937 6,841 7,313 4,711 1,630 1,410 1,790 1,380 1,072 612 625 505 397 278 7,519 8,185 8,301 8,313 5,313 1,043 788 836 777 749 291 188 265 112 181 97 96 113 27 123 193 92 152 84 58 309 292 320 280 261 283 263 262 237 177 25 28 57 43 83 1,024 685 780 609 670 - - - 94 97 33 - 124 57 - |



Non-consolidated: Operating Revenues & Expenses

| Operating revenue Electric power business | FY2017 6,145 6,014 | FY2018 6,469 6,336 | FY2019 5,712 5,638 | 5,899 5,838 | FY2020 3Q 3,840 3,806 | FY2021 3Q 4,981 4,917 |
|--|--------------------------|--------------------------|--------------------------|----------------|--------------------------------|--------------------------------|
| Other*1 Incidental business | 5,456 | 5,806 | 5,104 | 5,660 | 3,664 | 4,825 |
| | 558 | 529 | 533 | 177 | 141 | 90 |
| | 131 | 133 | 74 | 61 | 34 | 63 |
| Operating expenses | 5,715 | 6,282 | 5,464 | 5,120 | 3,566 | 4,808 |
| Personnel expense Amortization of the actuarial difference | 5,593 342 (1) | 6,157 324 (14) | 5,397 358 24 | 318 28 | 3,536 240 21 | 4,749 148 (53) |
| in retirement benefits Fuel cost Repair and maintenance cost | 2,573 | 2,890 | 2,332 | 1,937 | 1,438 | 1,837 |
| | 634 | 697 | 666 | 441 | 266 | 336 |
| Depreciation and amortization cost Other | 534 | 510 | 527 | 552 | 410 | 418 |
| | 1,508 | 1,734 | 1,512 | 1,814 | 1,180 | 2,006 |
| Incidental business Operating income | 122 | 125 | 66 | 55 | 29 | 59 |
| | 430 | 186 | 248 | 778 | 274 | 172 |

^{*1 &}quot;Other" shows transmission revenue and other electricity revenue. Due to the split of transmission business in April, 2020, "Other" for FY2020 and FY2021 show only other electricity revenue



Consolidated: Segment Information

(Unit: 100 million yen)

| | | | | | | | , | oo mmon yeny |
|------------------------|--------------------|----------------|-------------------------------|----------|-------|----------|--------------|--------------|
| | | Electric power | Electric power -related | Overseas | Other | Subtotal | Elimination* | Consolidated |
| FY2021 | Sales | 5,689 | 1,335 | 1,024 | 136 | 8,185 | (1,090) | 7,095 |
| 3Q | Sales to customers | 5,672 | 281 | 1,024 | 117 | 7,095 | - | 7,095 |
| | Ordinary income | 248 | 109 | 173 | 7 | 540 | 8 | 548 |
| FY2020 | Sales | 4,726 | 2,405 | 1,072 | 114 | 8,319 | (2,257) | 6,062 |
| 3Q | Sales to customers | 4,711 | 187 | 1,072 | 90 | 6,062 | - | 6,062 |
| | Ordinary income | 393 | 42 | 221 | 7 | 664 | 5 | 670 |
| year-on-year change | Sales | 962 | (1,070) | (48) | 22 | (134) | 1,166 | 1,032 |
| | Sales to customers | 961 | 93 | (48) | 26 | 1,032 | - | 1,032 |
| | Ordinary income | (144) | 67 | (47) | 0 | (124) | 2 | (121) |

"Electric Power Business"

Mainly J-POWER group's electric power generation business and transmission/ transformation business. The majority of consolidated revenue is derived from this segment.

"Electric Power-Related business"

These focus on peripheral business essential for the operation of power plants and transmission facilities, such as designing, executing, inspecting and maintaining power facilities and importing and transporting coal. Intra-group transactions account for a large portion of this segment, such as Company's power plant maintenance, coal transportation activities.

"Overseas business"

Overseas power generation business, overseas engineering and consulting business

"Other business"

Diversified business such as telecommunication, environmental and the sale of coal

^{*} Elimination includes elimination of intersegment sales



Consolidated: Cash Flow

| | FY2017 | FY2018 | FY2019 | FY2020 | FY2020 3Q | FY2021 3Q |
|--|---------|---------|---------|---------|--------------|--------------|
| Operating activities | 1,603 | 1,484 | 1,592 | 1,679 | 1,301 | 394 |
| Profit before income taxes | 990 | 685 | 655 | 646 | 767 | 548 |
| Depreciation and amortization | 822 | 799 | 830 | 964 | 713 | 718 |
| Share of (profit) loss of entities accounted for using equity method | (97) | (96) | (113) | (27) | (123) | (135) |
| Investing activities | (1,096) | (1,704) | (1,617) | (1,432) | (921) | (1,237) |
| Purchase of non-current assets | (988) | (1,060) | (1,495) | (1,592) | (1,051) | (820) |
| Payments of investment and loans receivable | (81) | (744) | (109) | (25) | (21) | (483) |
| Free cash flow | 506 | (220) | (24) | 246 | 380 | (842) |



Consolidated: Key Ratios and Key Data

| _ | | | | (Unit: 100 million yen | | | |
|-------|---|----------|----------|------------------------|----------|--------------|--------------|
| | | FY2017 | FY2018 | FY2019 | FY2020 | FY2020 3Q | FY2021 3Q |
| (PL) | Operating revenue | 8,562 | 8,973 | 9,137 | 9,091 | 6,062 | 7,095 |
| | Operating income | 1,043 | 788 | 836 | 777 | 749 | 639 |
| | Ordinary income | 1,024 | 685 | 780 | 609 | 670 | 548 |
| | Profit attributable to owners of parent | 684 | 462 | 422 | 223 | 560 | 403 |
| (BS) | Total assets | 26,470 | 27,661 | 28,053 | 28,419 | 28,269 | 28,970 |
| | Construction in progress | 5,257 | 5,820 | 6,471 | 5,882 | 5,552 | 6,417 |
| | Shareholders' equity | 7,872 | 7,974 | 8,077 | 8,091 | 8,213 | 8,506 |
| | Net assets | 8,361 | 8,455 | 8,573 | 8,536 | 8,637 | 8,945 |
| | Interest-bearing debt | 15,613 | 16,428 | 16,484 | 16,646 | 16,484 | 17,017 |
| (CF) | Investing activities | (1,096) | (1,704) | (1,617) | (1,432) | (921) | (1,237) |
| | Free cash flow | 506 | (220) | (24) | 246 | 380 | (842) |
| | (Ref) CAPEX*1 | (987) | (1,077) | (1,626) | (1,715) | (1,119) | (786) |
| | (Ref) Depreciation and amortization | 822 | 799 | 830 | 964 | 713 | 718 |
| ROA | (%) | 3.9 | 2.5 | 2.8 | 2.2 | - | - |
| ROA | (ROA excl. Construction in progress) (%) | 4.8 | 3.2 | 3.6 | 2.8 | - | - |
| ROE | (%) | 9.1 | 5.8 | 5.3 | 2.8 | - | - |
| EPS | (¥) | 373.93 | 252.68 | 230.96 | 121.85 | 306.32 | 220.67 |
| BPS | (¥) | 4,300.98 | 4,356.54 | 4,412.84 | 4,420.39 | 4,487.30 | 4,647.12 |
| Share | eholders' equity ratio (%) | 29.7 | 28.8 | 28.8 | 28.5 | 29.1 | 29.4 |
| D/E r | atio (x) | 2.0 | 2.1 | 2.0 | 2.1 | 2.0 | 2.0 |
| Numb | per of shares issued ^{*2} (thousand) | 183,049 | 183,048 | 183,048 | 183,048 | 183,048 | 183,048 |
| | | | | | | | |

^{*1} Capital expenditure: Increase in tangible and intangible non-current assets

^{*2} Number of shares issued at the end of the fiscal year (excluding treasury stock)



Monthly Electricity Sales: Domestic Power Generation Business (Thermal Power)

Apr. 2020 - Dec. 2020 (cumulative)

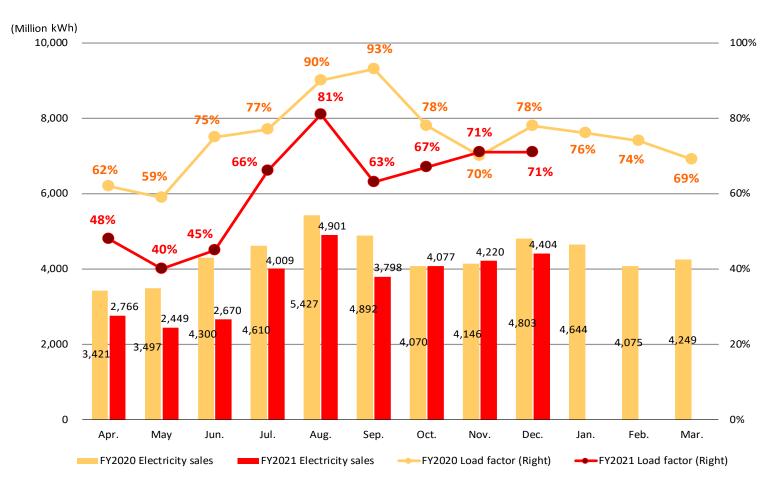
Load factor \Rightarrow 76%

Electricity sales ⇒ 39.1 TWh

Apr. 2021 – Dec. 2021 Results (cumulative)

Load factor \Rightarrow 62%

Electricity sales ⇒ 33.2 TWh



^{*} Load factors of thermal power show the results for non-consolidated only.

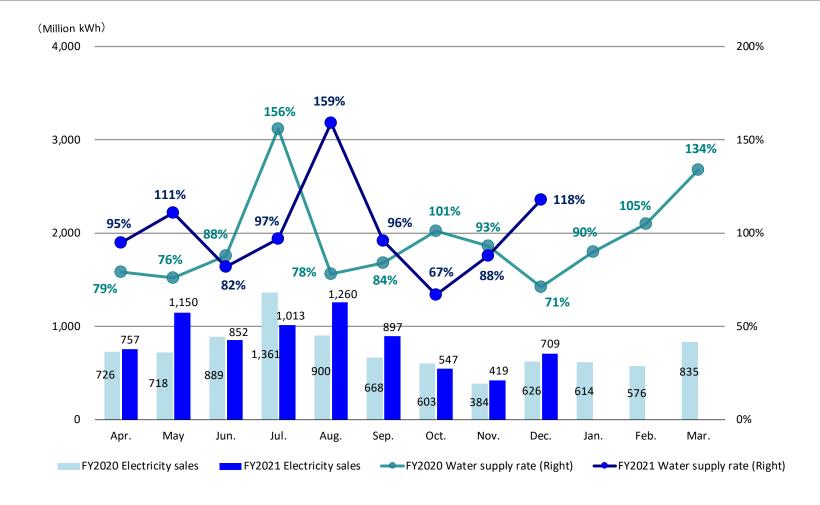
^{*} Proportion of equity holding is not taken into account.



Monthly Electricity Sales: Domestic Power Generation Business (Hydroelectric Power)

Apr. 2020 - Dec. 2020 Results (cumulative)
 Water supply rate ⇒ 92%
 Electricity sales ⇒ 6.8 TWh

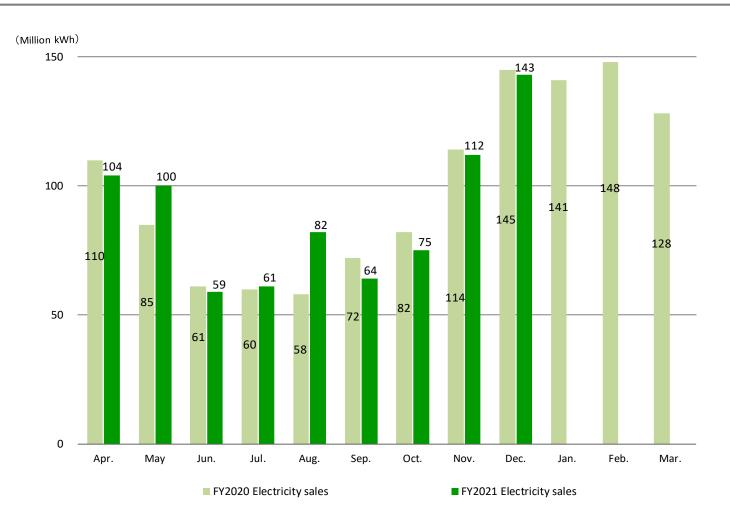
Apr. 2021 - Dec. 2021 Results (cumulative)
 Water supply rate ⇒ 101%
 Electricity sales ⇒ 7.6 TWh





Monthly Electricity Sales: Domestic Power Generation Business (Wind Power)

- Apr. 2020 Dec. 2020 Results (cumulative) ⇒ 0.79 TWh
- Apr. 2021 Dec. 2021 Results (cumulative) ⇒ 0.80 TWh

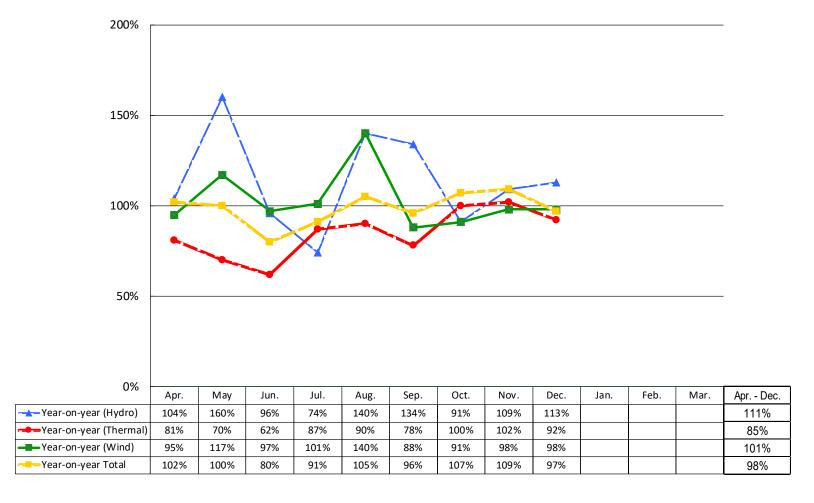


^{*} Proportion of equity holding is not taken into account.



Change in Monthly Electricity Sales: Domestic Power Generation Business

- Apr. 2020 Dec. 2020 Total Results (cumulative) ⇒ 54.7 TWh
- Apr. 2021 Dec. 2021 Total Results (cumulative) ⇒ 53.8 TWh



^{*} Total volume includes electricity sales volume of hydro, thermal, wind and electricity procured from wholesale electricity market, etc.



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