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 FY2023 Earnings Results

CLICK HERE J-POWER Group Medium-Term Management Plan FY2024-FY2026

2024/5/9

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.

*Display of Figures

- ✓ 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.



	1.	Summary of FY2023 Earnings Results	 3
Contents		Summary of FY2023 Earnings Results	 4
		Key Data	 5
		FY2023 Earnings Results (Main Factors for Change)	 7
		Breakdown of Increase / Decrease Factors of Consolidated Ordinary Profit	 8
		Consolidated Revenue / Expenditure Comparison	 9
		Consolidated Balance Sheet	 10
	2.	Summary of FY2024 Earnings Forecast	 11
		Summary of FY2024 Earnings Forecast	 12
		Key Data & Earnings Forecasts by segment	 13
		(Reference) Change of business segment	 14
		FY2024 Earnings Forecast (Main Factors for Change)	 15
		Breakdown of Increase / Decrease Factors of Consolidated Ordinary Profit Forecast	 16
		Shareholder Returns	 17
reserved	Ар	oendix	 18

2



POWER

1. Summary of FY2023 Earnings Results



(Unit: billion ven)

Summary of FY2023 Earnings Results

Decreased revenue and profit

- Decreased revenue due to lower electricity sales volume resulting from lower load factor of thermal power plants and lower electricity sales prices, etc.
- Decreased profit due to decrease in profit of a subsidiary in Australia that owns coal mining interests, lower gross profit from JEPX sales and unplanned outages of thermal power plants

							inton yen)
	FY2022	FY2023	Year-on-year change		FY2023	Comparison with the forecast	
Consolidated	(AprMar.)	(AprMar.)			Forecast ^{*1} (AprMar.)		
Operating Revenue	1,841.9	1,257.9	(583.9)	(31.7)%	1,307.0	(49.0)	(3.7)%
Operating Profit	183.8	105.7	(78.1)	(42.5)%	87.0	18.7	21.5 %
Ordinary Profit	170.7	118.5	(52.2)	(30.6)%	97.0	21.5	22.2 %
Profit attributable to owners of parent	113.6	77.7	(35.9)	(31.6)%	67.0	10.7	16.1 %
	FY2022	FY2023	Year-on-year change		FY2023	Compari	son with
Non-consolidated	(AprMar.)	(AprMar.)			Forecast ^{*1} (AprMar.)	the for	
Operating Revenue	1,370.7	843.2	(527.4)	(38.5)%	863.0	(19.7)	(2.3)%
Operating Profit	46.5	5.1	(41.4)	(89.0)%	(3.0)	8.1	-
Ordinary Profit	75.3	55.1	(20.1)	(26.8)%	59.0	(3.8)	(6.5)%

Copyright, J-POWER All rights reserved.

*1 Earnings forecast released on October 31, 2023



Key Data (Electric Power Sales)

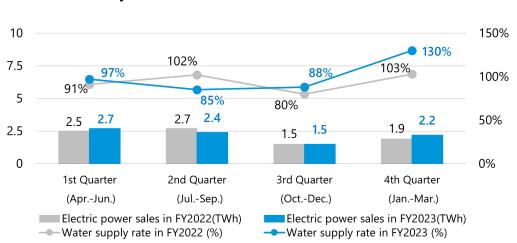
	FY2022	FY2023	Year-on-year		
	(AprMar.)	(AprMar.) change		ge	
Electric Power Sales (TWh)					
Electric Power Business	68.4	60.3	(8.0)	(11.8)%	
Hydroelectric Power	8.8	9.0	0.1	1.4 %	
Thermal Power	45.6	38.5	(7.1)	(15.6)%	
Wind Power	1.0	1.1	0.1	9.7 %	
Other ^{*1}	12.8	11.6	(1.1)	(9.2)%	
Overseas Business ^{*2}	14.2	19.8	5.5	39.1 %	
Water supply rate	94%	96%	2 points		
Load factor *3	65%	55%	(10) points		

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

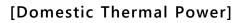
*2 Electric power sales volume of overseas consolidated subsidiaries (Electric power sales volume of equity method affiliated companies is not included)

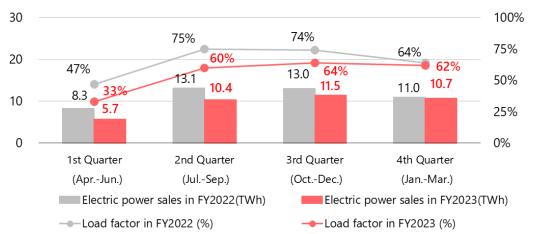
*3 Load factor of thermal power shows the results for non-consolidated only

Electric Power Sales for each Quarter



[Domestic Hydroelectric Power]







Key Data (Operating Revenue)

Electric Power Business : The revenue decreased due to lower electricity sales volume resulting from lower load factor of thermal power plants and lower electricity sales prices, etc.

Overseas Business : The revenue decreased due to lower electricity sales price in Jackson Generation Power Plant in North America

Other Business : The sales decreased due to falling coal prices at a subsidiary in Australia that owns coal mining interests

	FY2022	FY2023	Year-on	-year			FY2022	FY2023
	(AprMar.)	(AprMar.)	chang	ge			(AprMar.)	(AprMar.)
Operating Revenue (Billion yen)	1,841.9	1,257.9	(583.9)	(31.7)%	Foreign exchang (Yen/USD)	ge rate at the end of December	132.70	141.83
Electric Power Business	1,417.9	899.4	(518.4)	(36.6)%	(Yen/THB)	at the end of December	3.80	4.13
Electric Power Sales	1,362.4	845.6	(516.8)	(37.9)%	(Yen/AUD) (THB/USD)	at the end of December at the end of December	89.57 34.56	96.94 34.22
Renewables ^{*1}	146.0	137.7	(8.3)	(5.7)%				
Transmission / Transformation	49.5	48.5	(1.0)	(2.0)%				
Overseas Business ^{*2}	277.5	259.2	(18.2)	(6.6)%				
Other Business ^{*3}	146.4	99.2	(47.2)	(32.2)%				

*1 Hydroelectric, wind and geothermal power

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

*3 "Other Business" is composed of "Electric Power-Related Business" segment and "Other Business" segment. See Appendix P.22 for details

FY2023 Earnings Results (Main Factors for Change)



170.7						
1. Gross margin of electric power business (Domestic) *			(49.5)	+0.5		
2. Other expenses		+11.0		+9.5		
3. Profit of overseas business subsidiaries		+3.5		+3.0		
4. Profit of other subsidiaries / consolidated adjustment, etc.		(43.5)		+6.0		
5. Share of profit of entities accounted for using equity method	+15.5			±0.0		
6. Other non-operating items	+5.	5		(1.0)		
7. Foreign exchange gains and losses	-	+5.0		+3.5		
118.5				+21.5		

* 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 Profit (Year on Year)

(Reference) JEPX average price (Apr-Mar)

FY2022: approx. 20 yen/kWh

FY2023: approx. 10 yen/kWh

(Unit: billion yen)

1. Gross margin of electric power business (Domestic) (49.5)

- Decrease in gross profit from JEPX sales due to lower JEPX prices and resource price impact, etc.
- Increase in unplanned outages
- Rebound decrease in fuel balance
- Decrease in revenue of renewable energy

2. Other expenses +11.0

- Decrease in facilities maintenance costs...+4.0
- Increase in labor costs...(4.5)
- Decrease in other expenses...+11.5 Decrease in waste disposal costs, etc.

3. Profit of overseas business subsidiaries +3.5

- Jackson Generation Power Plant in North America ±0.0 Decrease in market selling price Increase in facilities maintenance costs due to start of operation, rebound in penalty in capacity market, etc.
- Power generation projects in Thailand +3.5 Increase in energy margin, and foreign exchange rate impact, etc.

4. Profit of other subsidiaries

/consolidated adjustment, etc. (43.5)

• Decrease in profit from a subsidiary in Australia that owns coal mining interests due to the fall of coal prices

(Reference) Australian thermal coal spot price (Jan-Dec) FY2022: approx.US\$360/t FY2023: approx.US\$170/t

5. Share of profit of entities accounted for

using equity method +15.5

- Overseas...+16.5 Gain on sale of land in North America, etc.
- Domestic...(1.0)

6. Other non-operating items +5.5

- Increase in financing costs
- Gain on sales of fixed assets and securities, etc.
- Elimination of previous year's losses*

*Losses recorded due to disposal of construction materials of Ohma nuclear power project

7. Foreign exchange gains and losses +5.0

• Foreign exchange valuation gains on U.S. dollar denominated debt in the Thailand consolidation project +4.5

Foreign exchange rate(THB/USD)

	At the end of December of the previous year	At the end of Dec.*
FY2022	33.42	34.56
FY2023	34.56	34.22

* The fiscal year of overseas subsidiaries is from January to December

 Increase in foreign exchange valuation gains on U.S. dollar denominated receivables, etc. +0.5

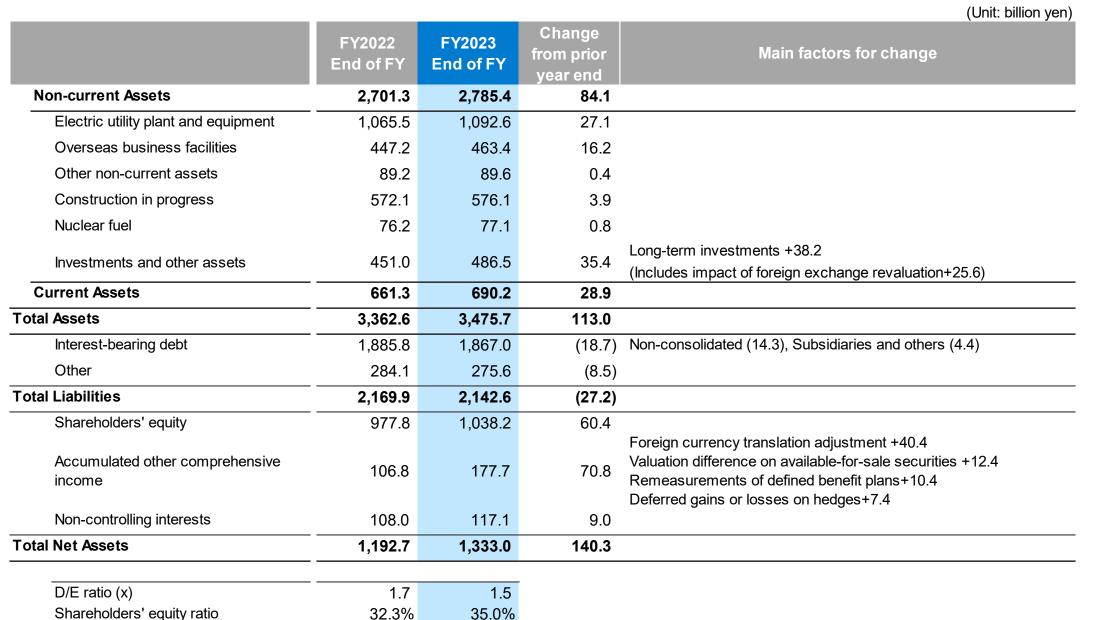
Consolidated: Revenue / Expenditure Comparison

	FY2022	FY2023	Year-on-year	Main factors for change
	(AprMar.)	(AprMar.)	change	
Operating Revenue	1,841.9	1,257.9	(583.9)	
Electric power business	1,417.9	899.4	(518.4)	
Overseas business	277.5	259.2	(18.2)	
Other business	146.4	99.2	(47.2)	
Operating Expenses	1,658.0	1,152.2	(505.7)	Electric power business(479.5), Overseas
				business(21.8), Other business(4.3)
Operating Profit	183.8	105.7	(78.1)	
Non-operating Revenue	24.7	49.5	24.7	
Share of profit of entities accounted	9.1	24.5	15.4	
for using equity method	9.1	24.5	13.4	
Other	15.6	24.9	9.3	
Non-operating Expenses	37.8	36.6	(1.1)	
Interest expenses	27.3	30.9	3.5	
Other	10.4	5.7	(4.7)	
Ordinary Profit	170.7	118.5	(52.2)	Electric power business(32.6), Overseas
				business+21.6, Other business(41.1)
Total income taxes	51.7	33.8	(17.9)	
Profit attributable to owners of parent	113.6	77.7	(35.9)	



(Unit: billion yen)

Consolidated: Balance Sheet









2. Summary of FY2024 Earnings Forecast

Summary of FY2024 Earnings Forecast



 Although improving income and expenditure by responding to changes in thermal power plant patterns, operating revenue and operating profit are expected to be decreased due to the impact of thermal power plant facilities troubles, such as Tachibanawan thermal power plant, etc. increase in other expenses, decrease in profit because of the fall of coal price at a subsidiary in Australia that owns coal mining interests, and rebound decrease in temporary profit, etc.

	(Unit: billion y				
Consolidated	FY2023 Result	FY2024 Forecast	Comparison with FY2023 Result		
Operating Revenue	1,257.9	1,155.0	(102.9) (8.2)%		
Operating Profit	105.7	64.0	(41.7) (39.5)%		
Ordinary Profit	118.5	62.0	(56.5) (47.7)%		
Profit attributable to owners of parent	77.7	42.0	(35.7) (46.0)%		
Non-consolidated	FY2023 Result	FY2024 Forecast	Comparison with FY2023 Result		
Operating Revenue	843.2	805.0	(38.2) (4.5)%		
Operating Profit	5.1	4.0	(1.1) (22.2)%		
Ordinary Profit	55.1	46.0	(9.1) (16.6)%		
Profit	52.3	45.0	(7.3) (14.0)%		



Key Data & Earnings Forecasts by segment

- Power generation business : Although profitability of thermal power generation improved, decrease in profit due to the impact of the facility trouble and the increase in other expenses, etc.
- Transmission and Transformation business: Decrease in profit due to the increase of subcontracting costs, etc.
- Overseas business : Rebound decrease in temporary profit from share of profit of entities accounted for using equity method
- Electric Power-Related business & Other business : Decrease in profit due to the fall of coal prices at a subsidiary in Australia that owns coal mining interests

			(Unit	: billion yen)		FY2023	FY2024	Comparison w	ith FY2023
Sales by segment	FY2023	FY2024		parison with		Result	Forecast	Resu	
Sures by segment	Result	Forecast	FY2023	Result	Electric Power Sales (TWh)				
Power generation business	855.6	824.0	(31.6)	(3.7)%	Power generation business	60.3	65.6	5.2	8.7 %
Transmission and	40.0	50.0	1 1	71 0/	Hydroelectric Power	9.0	9.2	0.1	2.1 %
Transformation business	48.9	50.0	1.1	2.1 %	Thermal Power	38.5	40.5	1.9	5.1 %
Overseas business	259.2	225.0	(34.2)	(13.2)%	Wind Power	1.1	1.4	0.2	21.8 %
Electric Power-Related business & Other business	94.1	56.0	(38.1)	(40.5)%	Other ^{*1}	11.6	14.5	2.8	24.2 %
business & Other business	54.1	*Sales figures	· · /	· · ·	Overseas business ^{*2}	19.8	16.9	(2.9)	(14.9)%
	FY2023	FY2024	Comparis			FY2023	FY2024		
Ordinary profit by segment	Result	Forecast	FY2023	Result		Result	Forecast		
Power generation business	20.3	16.5	(3.8)	(19.0)%	Water supply rate	96%	100%		
Transmission and	20.5	10.5	(3.0)	(13.0)/0	Load factor	55%	59%		
Transformation business	7.3	3.0	(4.3)	(58.9)%	Foreign exchange rate				
Overseas business	44.3	32.0	. ,	(27.8)%	(Yen/USD) at the end of December	141.83	145.00		
Electric Power-Related			ζ, γ	、 ,	(Yen/THB) at the end of December	4.13	4.00		
business & Other business	47.3	10.5	(36.8)	(77.8)%	(Yen/AUD) at the end of December	96.94	95.00		
*Eigu	*Figures before elimination of inter-segment transactions					cured from whole	sale electricity m	arket etc	

*Figures before elimination of inter-segment transactions.

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

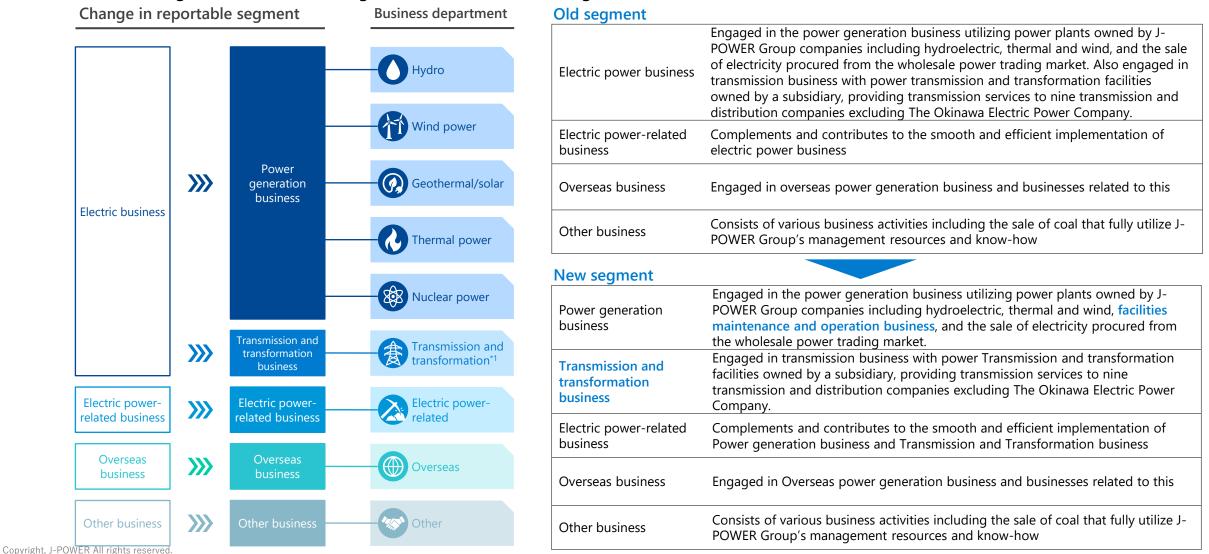
*2 Electric power sales volume of overseas consolidated subsidiaries (Electric power sales volume of equity method affiliated companies is not included



14

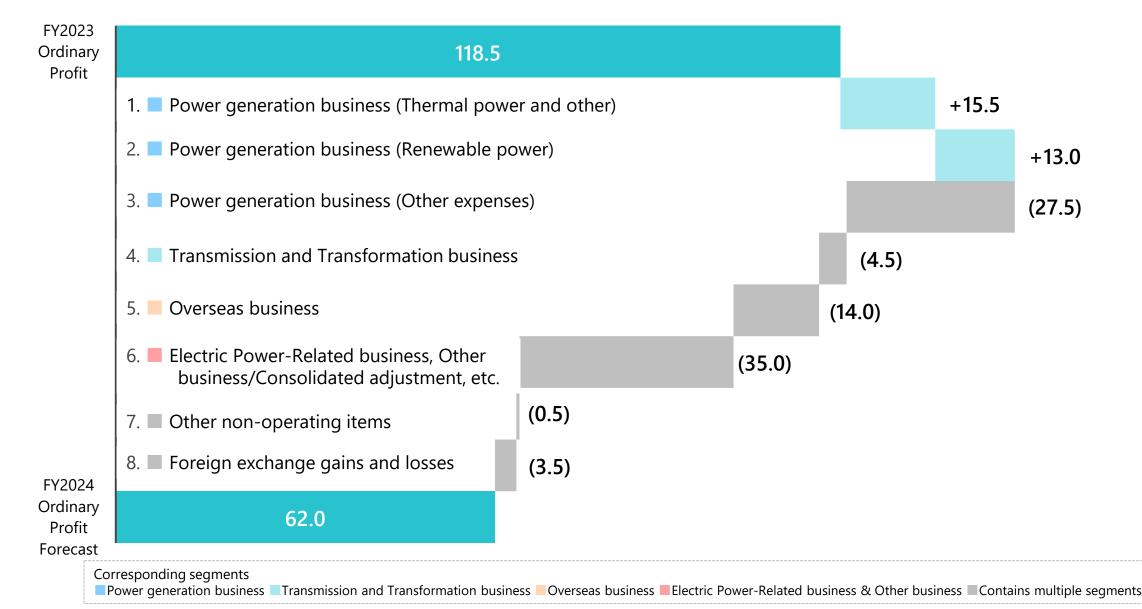
(Reference) Change of business segment (from the year ending 31 March 2025)

- Separation of 'Electric power business' into 'Power generation business' and 'Transmission and transformation business'.
- In 'Electric power-related business', subsidiaries involved in power generation and maintenance and operation are integrated into 'Power generation business' segment.



FY2024 Earnings Forecast (Main Factors for Change)





Copyright, J-POWER All rights reserved.

Breakdown of Increase / Decrease Factors of Consolidated Ordinary Profit Forecast

(Unit: billion yen)

16

1. Power generation business (Thermal power and other) +15.5

- Improve profits by responding to changes in in the operational pattern of thermal power plants
- Increase in unplanned outages (Tachibanawan thermal power plant, etc.)
- Effect of capacity market and power generation charge

(Reference) JEPX average price (Apr-Mar) FY2023: approx. 10 yen/kWh FY2024(forecast): approx. 10 yen/kWh

2. Power generation business (Renewable power) +13.0

• Increase in revenue of renewable energy

3. Power generation business (Other expenses) (27.5)

- Increase in facilities maintenance cost (20.0) Tachibanawan thermal power plant, etc.
- Promotion of GX/DX (5.0)
- Decrease in labour costs +7.0 Decrease due to amortisation of actuarial differences in retirement benefits, etc.
- Other (9.5) Increase in depreciation cost, etc.
- 4. Transmission and Transformation business (4.5)
- Increase in subcontracting costs and loss on disposal of fixed

5. Overseas business (14.0)

- Jackson Generation Power Plant in US +3.0 Increase in market selling price
- Consolidated subsidiary projects in Thailand (3.0) Increase in facilities maintenance cost Foreign exchange effect (JPY appreciation),etc.
- Share of profit of entities accounted for using equity method (14.0) Rebound loss of gain on sale of land in North America, etc.

6. Electric Power-Related business,

Other business/Consolidated adjustment, etc. (35.0)

• Decrease in profit from a subsidiary in Australia that owns coal mining interests due to the fall of coal prices

(Reference) Australian thermal coal spot price (Jan-Dec) FY2023: approx.US\$170/t FY2024(forecast): approx.US\$120/t

7. Other non-operating items (0.5)

- Gain on sales of fixed assets
- Rebound loss in gain on sales of securities

8. Foreign exchange gains and losses (3.5)

• Foreign exchange gains in the previous fiscal year

increase in sub-	
assets	 Power generation business (Thermal power and other) : (Thermal power and other revenue)-(Fuel cost+Cost of purchasing electricity from other companies+Waste disposal costs, etc.)+Share of profit and loss of entities accounted for using equity method of Thermal power Power generation business (Renewable power) :
	(Hydropower/Geothermal power/Wind power electricity sales revenue+Non-fossil value sales revenue)-Cost of purchasing electricity from other companies+Share of profit and loss of entities accounted for using equity method of Renewable power 3. Power generation business (Other expenses) :
DOW/ER All rights recorved	Facilities maintenance costs, Labour costs, other expenses,+Consolidated subsidiaries on operation and maintenance of facilities

Copyright, J-POWER All rights reserved.

٠

Achievement of the medium-term management plan FY2021-2023 target of 90 billion yen in ordinary profit.

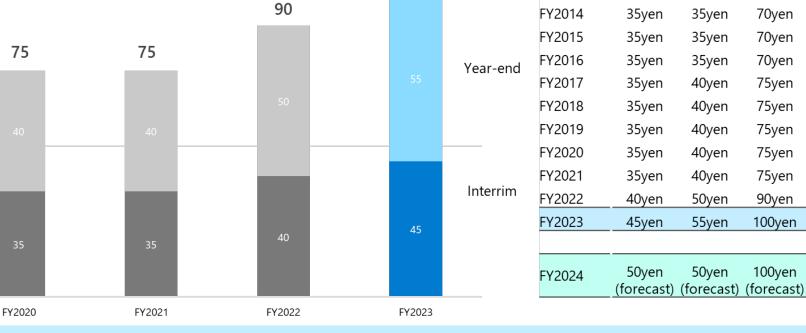
- Plans to pay a year-end dividend of 55 yen per share, for an annual dividend of 100 yen per ٠ share (an increase of 10 yen per share).
- Continued in FY2024 with a minimum limit of 100 yen/share. ٠

Transition of Dividend per Share

Shareholder Returns

100

(Ådr) 50



100

FY2013

35yen

The company strives to enhance stable and continuous returns to shareholders in line with a consolidated pay-out ratio of around 30%, disregarding factors that cause short-term fluctuations of profit.



Year end Annual

70ven

35yen



Appendix

(1) Financial Data Contents



1.	Consolidated: Revenues and Expenses	••• 20
2.	Consolidated: Cash Flow	••• 21
3.	Consolidated: Segment Information	••• 22
4.	Consolidated: Key Ratios and Key Data	••• 23
5.	Non-consolidated: Revenues and Expenses	••• 24
6.	Non-consolidated: Balance Sheet	••• 26
7.	Non-consolidated: Statement of Income	••• 27
8.	Monthly Electricity Sales	••• 28



(1) -1. Consolidated: Revenues and Expenses

				(Unit:	100 million yen)
	FY2019	FY2020	FY2021	FY2022	FY2023
Operating revenue	9,137	9,091	10,846	18,419	12,579
Electric utility operating revenue	6,841	7,313	8,764	14,179	8,994
Overseas business operating revenue	1,790	1,380	1,451	2,775	2,592
Other business operating revenue	505	397	630	1,464	992
Operating expenses	8,301	8,313	9,976	16,580	11,522
Operating profit	836	777	869	1,838	1,057
Non-operating income	265	112	225	247	495
Share of profit of entities accounted for using equity method	113	27	142	91	245
Foreign exchange gains	74	6	-	-	36
Other	77	77	82	156	213
Non-operating expenses	320	280	366	378	366
Interest expenses	262	237	224	273	309
Foreign exchange losses	-	-	75	11	-
Other	57	43	66	93	57
Ordinary profit	780	609	728	1,707	1,185
Extraordinary income	-	94	-	-	-
Extraordinary losses	124	57	-	-	-
Profit attributable to owners of parent	422	223	696	1,136	777



(1) -2. Consolidated: Cash Flow

				(Unit:	100 million yen)
	FY2019	FY2020	FY2021	FY2022	FY2023
Operating activities	1,592	1,679	1,283	1,558	2,540
Profit before income taxes	655	646	728	1,707	1,185
Depreciation	830	964	969	1,076	1,103
Share of (profit) loss of entities accounted for using equity method	(113)	(27)	(142)	(91)	(245)
Investing activities	(1,617)	(1,432)	(1,788)	(1,508)	(1,619)
Purchase of non-current assets	(1,495)	(1,592)	(1,352)	(1,448)	(1,158)
Investments and loan advances	(109)	(25)	(497)	(78)	(93)
Financing activities	(277)	70	840	960	(658)
Free cash flow	(24)	246	(504)	49	920



(1) -3. Consolidated: Segment Information

						(Unit	:: 100 million yen)
		FY2019	FY2020	FY2021	FY2022	FY2023	YoY
Electric power	Sales	6,860	7,334	8,788	14,202	9,018	(5,184)
	Ordinary profit	274	190	266	545	219	(326)
Electric power-related	Sales	4,005	3,741	2,439	3,217	2,754	(462)
	Ordinary profit	185	122	258	928	533	(394)
Overseas	Sales	1,790	1,380	1,451	2,775	2,592	(182)
	Ordinary profit	339	308	220	226	443	216
Other	Sales	221	184	210	293	172	(120)
Other	Ordinary profit	5	10	12	18	1	(16)
Subtotal	Sales	12,878	12,641	12,889	20,489	14,538	(5,950)
Subtotal	Ordinary profit	805	633	757	1,719	1,198	(521)
Elimination*	Sales	(3,740)	(3,550)	(2,043)	(2,069)	(1,958)	111
	Ordinary profit	(24)	(24)	(29)	(11)	(12)	(1)
Consolidated	Sales	9,137	9,091	10,846	18,419	12,579	(5,839)
	Ordinary profit	780	609	728	1,707	1,185	(522)

"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



(1) -4. Consolidated: Key Ratios and Key Data

					(Unit:	100 million yen)
		FY2019	FY2020	FY2021	FY2022	FY2023
(PL)	Operating revenue	9,137	9,091	10,846	18,419	12,579
	Operating profit	836	777	869	1,838	1,057
	Ordinary profit	780	609	728	1,707	1,185
	Profit attributable to owners of parent	422	223	696	1,136	777
(BS)	Total assets	28,053	28,419	30,661	33,626	34,757
	Construction in progress	6,471	5,882	6,765	5,721	5,761
	Shareholders' equity	8,077	8,091	9,160	10,846	12,159
	Net assets	8,573	8,536	9,641	11,927	13,330
	Interest-bearing debt	16,484	16,646	17,864	18,858	18,670
(CF)	Investing activities	(1,617)	(1,432)	(1,788)	(1,508)	(1,619)
	Free cash flow	(24)	246	(504)	49	920
	(Ref) CAPEX ^{*1}	(1,626)	(1,715)	(1,321)	(1,218)	(1,198)
	(Ref) Depreciation	830	964	969	1,076	1,103
ROA	(%)	2.8	2.2	2.5	5.3	3.5
ROA	(ROA excl. Construction in progress) (%)	3.6	2.8	3.1	6.6	4.2
ROE	(%)	5.3	2.8	8.1	11.4	6.8
EPS	(¥)	230.96	121.85	380.70	621.50	425.31
BPS	(¥)	4,412.84	4,420.39	5,004.31	5,931.68	6,649.11
Work	ing assets ROIC (%)		-	-	-	4.5
Share	holders' equity ratio (%)	28.8	28.5	29.9	32.3	35.0
D/E ra	atio (x)	2.0	2.1	2.0	1.7	1.5
Numb	per of shares issued ^{*2} (thousand)	183,048	183,048	183,048	182,861	182,869

*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)



(1) -5. Non-consolidated: Revenues and Expenses

				(Unit: 1	100 million yen
	FY2019	FY2020	FY2021	FY2022	FY2023
Operating revenue	5,712	5,899	7,900	13,707	8,432
Electric power business	5,638	5,838	7,810	13,533	8,359
Sold power to retailers	-	-	6	11	2
Sold power to other suppliers	5,104	5,660	7,672	13,373	8,214
Other [*]	533	177	132	149	142
Incidental business	74	61	89	173	73
Operating expenses	5,464	5,120	7,721	13,241	8,38
Electric power business	5,397	5,065	7,637	13,075	8,31
Personnel expense	358	318	201	206	25
Amortization of the actuarial difference in retirement benefits	24	28	(70)	(75)	(3
Fuel cost	2,332	1,937	2,985	7,621	4,22
Repair and maintenance cost	666	441	515	419	40
Depreciation	527	552	559	589	59
Other	1,512	1,814	3,375	4,238	2,83
Incidental business	66	55	84	166	6
Operating profit	248	778	178	465	5

*1 "Other" shows transmission revenue and other electricity revenue.

Due to the split of transmission business in April, 2020, "Other" from FY2020 shows only other electricity revenue



(1) -5. Non-consolidated: Revenues and Expenses

				(Ui	nit: 100 million yen)
[Amortization of the actuarial gain or loss]	FY2019	FY2020	FY2021	FY2022	FY2023
Opening balance (a)	35	42	(103)	(109)	(58)
Amortization* (b)	24	28	(70)	(75)	(39)
Amount accured for the current year (c)	31	(116)	(77)	(23)	(164)
Closing balance (d)=(a)-(b)+(c)	42	(103)	(109)	(58)	(183)

[Repair and maintenance cost]	FY2019	FY2020	FY2021	FY2022	FY2023
Hydroelectric	129	134	122	122	113
Thermal	472	290	374	278	276
Renewable and others	-	-	-	-	1
Transmission	48	-	-	-	-
Others	16	16	18	18	18
Total	666	441	515	419	409

[Depreciation and amortization cost]	FY2019	FY2020	FY2021	FY2022	FY2023
Hydroelectric	147	155	159	170	170
Thermal	239	356	357	376	370
Renewable and others	-	-	-	0	16
Transmission	102	-	-	-	-
Others	37	40	42	41	38
Total	527	552	559	589	595

* Actuarial differences is amortized by the declining-balance method over two years from the year following the year in which they occurred.



26,406

25,485

825,687

2,533,125

920

8,129

13,573

(5,444)

772,441

2,488,443

(1) -6. Non-consolidated: Balance Sheet

	(U	Init: million yen)		(L	Jnit: million yer
	FY2022	FY2023		FY2022	FY2023
	End of FY	End of FY		End of FY	End of FY
ssets			Liabilities		
Non-current assets	2,139,352	2,163,426	Non-current liabilities	1,420,629	1,414,42
Electric utility plant and equipment	844,678	854,179	Bonds payable	772,595	727,59
Hydroelectric power production facilities	391,674	396,572	Long-term borrowings	601,887	643,61
Thermal power production facilities	392,875	377,962	Long-term accrued liabilities	5,849	5,88
Renewable power production and other facilities	-	18,902	Lease liabilities	80	4
Communication facilities	7,193	7,541	Long-term debt to subsidiaries and associates	2,101	1,92
General facilities	52,935	53,200	Provision for retirement benefits	30,114	26,54
Incidental business facilities	2,456	2,296	Asset retirement obligations	6,383	6,33
Non-operating facilities	1,043	798	Other non-current liabilities	1,617	2,46
Construction in progress	467,413	464,881	Current liabilities	295,372	293,01
Construction in progress	467,413	464,881	Current portion of non-current liabilities	184,399	172,00
Nuclear fuel	76,226	77,101	Short-term borrowings	7,950	7,95
Nuclear fuel in processing	76,226	77,101	Accounts payable-trade	7,991	8,45
Investments and other assets	747,534	764,168	Accounts payable-other	7,445	11,3
Long-term investments	54,701	68,693	Accrued expenses	11,728	12,55
Long-term investment for subsidiaries and associates	649,501	662,271	Accrued taxes	9,849	11,37
Long-term prepaid expenses	3,308	2,702	Deposits received	408	57
Deferred tax assets	40,023	30,500	Short-term debt to subsidiaries and associates	56,083	67,10
Current assets	349,091	369,698	Other advances	578	1,33
Cash and deposits	153,611	64,090	Other current liabilities	8,937	3
Accounts receivable-trade	49,911	39,468	Total liabilities	1,716,002	1,707,43
Other accounts receivable	6,396	1,282	Net assets		
Short-term investments	-	149,992	Shareholders' equity	764,312	799,28
Supplies	91,096	58,176	Share capital	180,502	180,5
Prepaid expenses	1,575	1,941	Capital surplus	109,904	109,9
Short-term receivables from subsidiaries and associates	10,995	12,032	Legal capital surplus	109,904	109,9
Other current assets	35,503	42,714	Retained earnings	474,283	509,2
Total assets	2,488,443	2,533,125	Legal retained earnings	6,029	6,02
			Other retained earnings	468,254	503,20
Note) For consolidated balance sheet, plea	ase refer to the	Financial	Reserve for special disaster	82	
Results disclosed on May 9, 2024			Exchange-fluctuation preparation reserve	1,960	1,9
Results disclosed off May 5, 2024			General reserve	392,861	432,8
			Retained earnings brought forward	73,350	68,30
			Treasury shares	(378)	(36
			· · · · · · · · · · · · · · · · · · ·	(

Valuation and translation adjustments

Total net assets

Total liabilities and net assets

Deferred gains or losses on hedges

Valuation difference on available-for-sale securities



(1) -7. Non-consolidated: Statement of Income

	(Unit: million ye		
	FY2022	FY2023	
	(AprMar.)	(AprMar.)	
Operating revenue	1,370,724	843,229	
Electric utility operating revenue	1,353,379	835,924	
Sold power to retailers	1,168	253	
Sold power to other suppliers	1,337,307	821,456	
Other electricity revenue	14,904	14,213	
Incidental business operating revenue	17,344	7,304	
Operating revenue-consulting business	1,275	1,267	
Operating revenue-coal sale business	14,917	4,911	
Operating revenue-other businesses	1,150	1,125	
Operating expenses	1,324,162	838,086	
Electric utility operating expenses	1,307,562	831,527	
Hydroelectric power production expenses	68,234	65,361	
Thermal power production expenses	885,143	541,469	
Internal combustion engine power production expenses	110	-	
Renewable power production expenses	92	-	
Renewable power production and other expenses	-	2,242	
Purchased power from other suppliers	276,941	153,046	
Selling expenses	1,769	1,730	
Communicating expenses	4,674	4,726	
General and administrative expenses	51,619	52,591	
Expenses for third party's power transmission service	7,002	2,757	
Enterprise tax	11,975	7,601	
Incidental business operating expenses	16,600	6,558	
Operating expenses-consulting business	895	887	
Operating expenses-coal sale business	14,831	4,789	
Operating expenses-other businesses	872	881	
Operating profit	46,561	5,142	

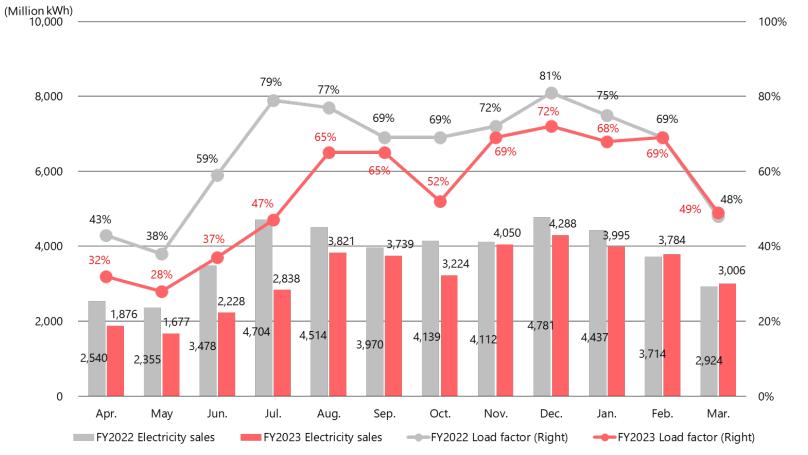
	(Unit	: million yen)
	FY2022	FY2023
	(AprMar.)	(AprMar.)
Non-operating income	48,315	66,862
Financial revenue	38,528	54,684
Dividend income	34,559	50,052
Interest income	3,969	4,632
Non-operating revenue	9,786	12,177
Gain on sales of non-current assets	3,870	4,604
Miscellaneous revenue	5,916	7,572
Non-operating expenses	19,543	16,833
Financial expenses	11,726	12,335
Interest expenses	11,318	12,175
Bond issuance cost	407	159
Non-operating expenses	7,817	4,498
Loss on sales of non-current assets	629	14
Miscellaneous loss	7,187	4,483
Total ordinary revenue	1,419,039	910,091
Total ordinary expenses	1,343,706	854,919
Ordinary profit	75,333	55,171
Extraordinary income	3,795	-
Gain on liquidation of subsidiaries and associates	3,795	-
Extraordinary losses	6,009	-
Loss on valuation of shares of subsidiaries and associates	6,009	-
Profit before income taxes	73,119	55,171
Income taxes-current	3,769	28
Income taxes-deferred	9,251	2,800
Total income taxes	13,021	2,829
Profit	60,097	52,342

Note) For consolidated statement of income, please refer to the Financial Results disclosed on May 9, 2024

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

Apr. 2022 - Mar. 2023 Results (cumulative) Load factor $\Rightarrow 65\%$ Electricity sales $\Rightarrow 45.6$ TWh Apr. 2023 - Mar. 2024 Results (cumulative)
 Load factor ⇒ 55%
 Electricity sales ⇒ 38.5 TWh

* Load factor of thermal power shows the results for non-consolidated only. * Proportion of equity holding is not taken into account.



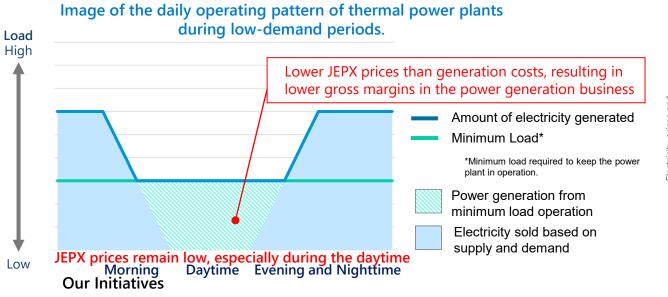


29

Changes in the Operational Pattern of Thermal Power Plants and Impact on Gross margin of electric power business (Domestic) in the Current Fiscal Year

Change in Operational Pattern

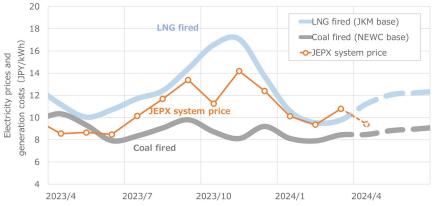
- Increased generation from renewable energy sources in western Japan and the restart of nuclear power plants have led to lower generation from thermal power plants, especially during the daytime during low-demand periods
- On the other hand, solar power generation decreases during the evening and nighttime hours, which must be supplemented by load-following middle power sources.
- In the case of our coal-fired thermal power plants, the output is reduced to the minimum load during the daytime, and the load is increased to meet the increase in demand mainly from the evening to nighttime hours. (The role of coal-fired power is changing from a traditional base power source to a middle power source.)



- Implementing initiatives to improve operational performance, including lowering minimum loads.
- Operational shutdowns on a weekly basis, based on forecasts of electricity supply and demand and market prices.

Copyright, J-POWER All rights reserved. Implement initiatives to reduce fuel costs, such as coal blending

Relation to resource price trends

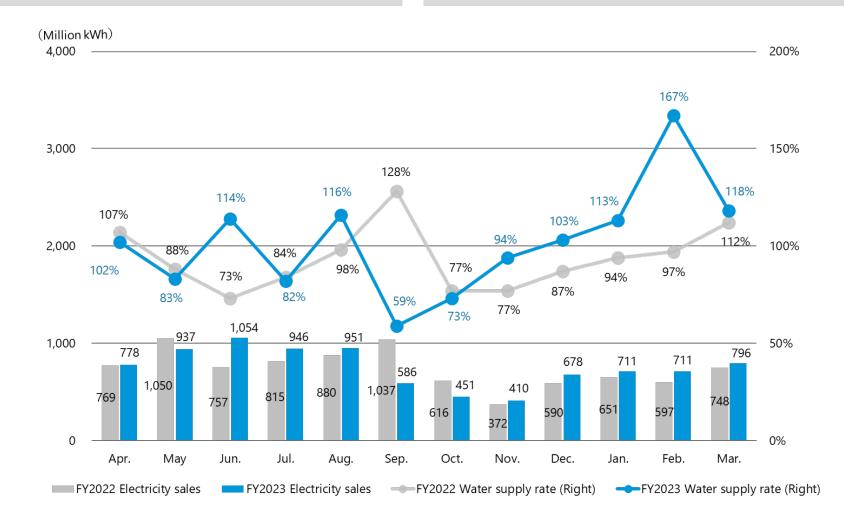


- Fuel price difference between LNG and coal affects gross margins of coal-fired power generation
- From the end of 2022 to mid-2023, the fuel price difference between LNG and coal narrowed and reversed, making it difficult to secure gross margins for coal-fired power generation.
- Generation costs calculated from actual and futures prices after the second half of 2023 are LNG-fired > Coal-fired

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

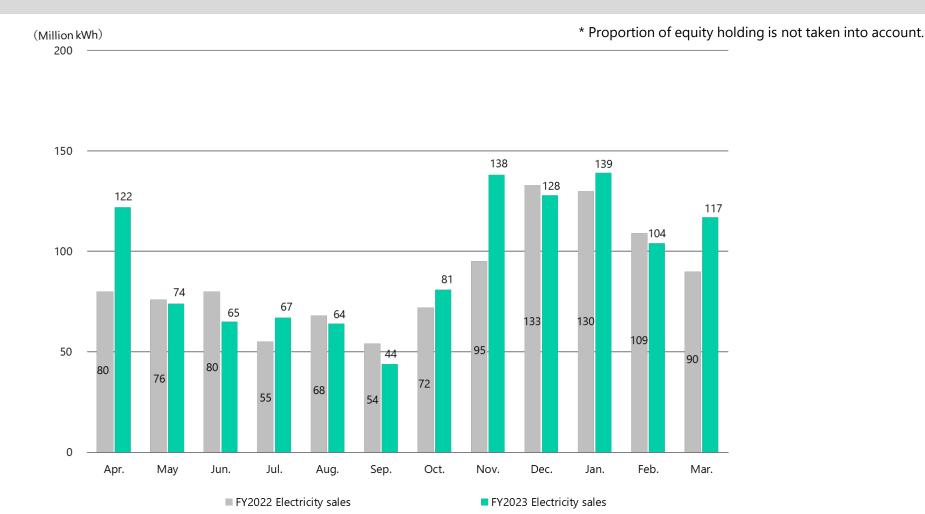
Apr. 2022 - Mar. 2023 Results (cumulative)
 Water supply rate ⇒ 94%
 Electricity sales ⇒ 8.8 TWh

Apr. 2023 - Mar. 2024 Results (cumulative)
 Water supply rate ⇒ 96%
 Electricity sales ⇒ 9.0 TWh



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

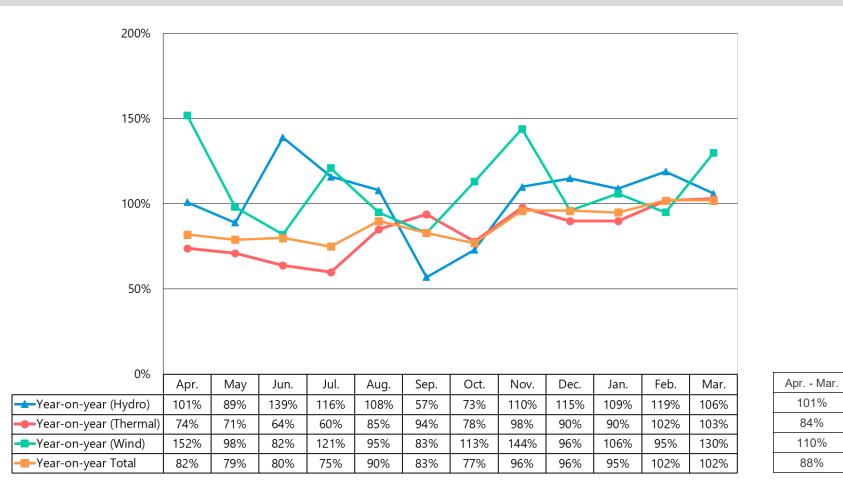
Apr. 2022 - Mar. 2023 Results (cumulative) \Rightarrow 1.04 TWh Apr. 2023 - Mar. 2024 Results (cumulative) \Rightarrow 1.14 TWh



POWER

Change in Monthly Electricity Sales: Domestic Power Generation Business

Apr. 2022 - Mar. 2023 Total Results (cumulative) \Rightarrow 68.4 TWh Apr. 2023 - Mar. 2024 Total Results (cumulative) \Rightarrow 60.3 TWh

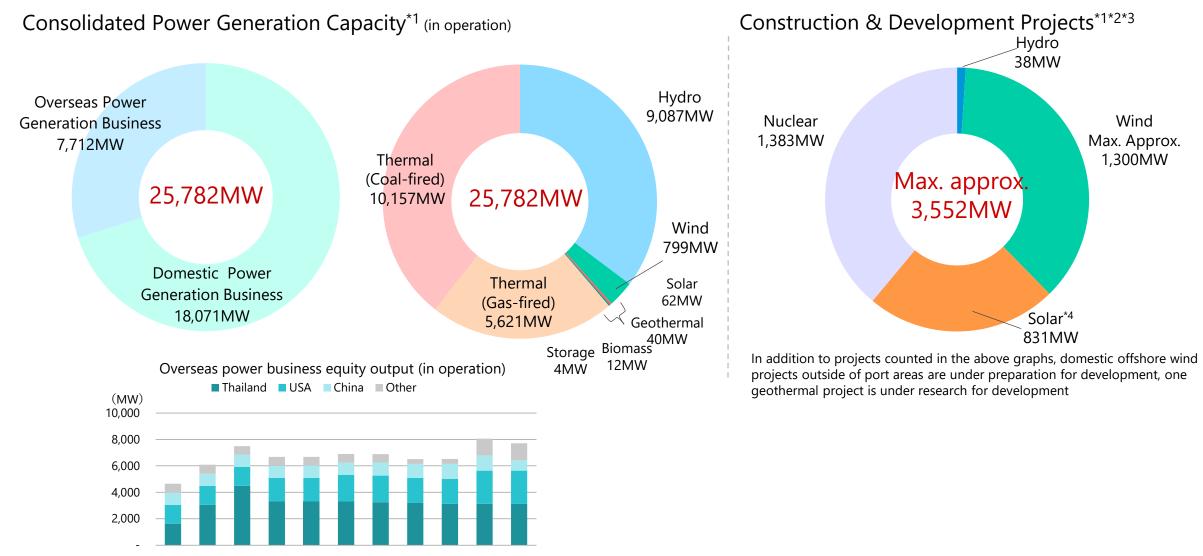




(2) Business Data Contents

1.	Overview of J-POWER Group Power Generation Facilities	••• 34	8.	Hydrogen production and use in existing thermal power plants GENESIS Matsushima	••• 45
	Domestic Electric Power Business Facilities	••• 35	9.	Establishment of joint venture for CCS in Japan	••• 46
	Overseas Power Generation Projects	••• 37	10.	Feasibility Study for Large-scale CCS in	•••• 47
2.	Main Flow of Domestic Electricity Business	••• 39		Japan	
3.	Expansion of Renewable Energy	••• 40	11.	Global Business Expansion and J-POWER Group's Integrated Strengths	••• 48
4.	Renewable Energy Development Projects (Wind)	••• 41	12.	Overview of Overseas Projects under Development	••• 49
5.	Renewable Energy Development Projects (Hydro, Geothermal, Solar)	••• 42	13.	Contributing to the enhancement of power networks	••• 51
6.	Upcycling to next-generation hydropower plants NEXUS Sakuma	••• 43	14.	Investments for Transition	••• 52
7.	Ohma Nuclear Power Project	••• 44	15.	J-POWER Group's Green/Transition Finance Framework	••• 53

(2) -1. Overview of J-POWER Group Power Generation Facilities (As of March 31, 2024)



FY13 FY14 FY15 FY16 FY17 FY18 FY19 FY20 FY21 FY22 FY23

*1 Capacity figures show owned capacity which takes into account of equity ratio *2 For replacement project, only change amount in capacity is counted

*3 In case capacity is to be determined, maximum capacity at environmental impact assessment is used *4 Bulli Creek's project (Australia) reflects only the first phase of construction. 34

Copyright, J-POWER All rights reserved.



(2) -1. Domestic Electric Power Business Facilities (As of March 31, 2024)

Hydroelectric: 61 power plants, 8,577MW^{*1}

Power plant	Location	Beginning of operation	Capacity (MW)
Shimogo	Fukushima	1988	1,000
Okutadami	Fukushima	1958	560
Otori	Fukushima	1963	182
Tagokura	Fukushima	1959	400
Okukiyotsu	Niigata	1978	1,000
Okukiyotsu No.2	Niigata	1996	600
Numappara	Tochigi	1973	675
Shintoyone	Aichi	1972	1,125
Sakuma	Shizuoka	1956	350
Miboro	Gifu	1961	215
Nagano	Fukui	1968	220
Tedorigawa No.1	Ishikawa	1979	250
Ikehara	Nara	1964	350
Sendaigawa No.1	Kagoshima	1965	120

Wind farm	Location	Ownership	Output capacity (MW)
Setana Osato	Hokkaido	100%	50.0
Kaminokuni	Hokkaido	100%	28.0
Green Power Kuzumaki	lwate	100%	21.0
Kuzumaki No.2	lwate	100%	44.6
Nikaho No.2	Akita	100%	41.4
Koriyama-Nunobiki Kogen	Fukushima	100%	66.0
Hiyama Kogen	Fukushima	100%	28.0
Irouzaki	Shizuoka	100%	34.0
Tahara Bayside	Aichi	100%	22.0
Awara-Kitagata	Fukui	100%	20.0
Minami Ehime	Ehime	100%	28.5
Other 13 wind farms			

Wind Power: 24wind farms, 560MW*2

Other 47 power plants

*1 Including 3,275MW of pure pumped storage type.

*2 Owned capacity: Output capacity of each facility is multiplied by J-POWER's investment ratio (equity ratio).



(2) -1. Domestic Electric Power Business Facilities (As of March 31, 2024)

Thermal (J-POWER): 7 power plants, 8,412MW				
	Power plant (Location)	0	Beginning f operation	Capacity (MW)
Coal	lsogo	New No.1	2002	600
	(Kanagawa)	New No.2	2009	600
	Takasago	No.1	1968	250
	(Hyogo)	No.2	1969	250
	Takehara (Hiroshima)	New No.1	2020	600
		No.3	1983	700
	Tachibanawan	No.1	2000	1,050
	(Tokushima)	No.2	2000	1,050
	Matsushima	No.1	1981	500
	(Nagasaki)	No.2	1981	500
	Matsuura	No.1	1990	1,000
	(Nagasaki)	No.2	1997	1,000
	Ishikawa Coal	No.1	1986	156
	(Okinawa)	No.2	1987	156

Thermal (Others): 3 power plants, 481MW*1

Power plant	Location	Fuel O	wnership	Output capacity (MW)
Tosa	Kochi	Coal	45%	167
Kashima	Ibaraki	Coal	50%	645
Osaki CoolGen	Hiroshima	Coal	50%	166

Geothermal: 3 power plants, 40MW*1

Power plant	Location	Ownership	Output capacity (MW)
Onikobe	Miyagi	100%	15
Аррі	lwate	15%	15
Wasabisawa	Akita	50%	46

*1 Owned capacity: Output capacity of each facility is multiplied by J-POWER's investment ratio (equity ratio).



(2) -1. Overseas Power Generation Projects (As of March 31, 2024)

		Output capacity		Owned capacity		Purchase agreement
Project	Туре	(MW)	Ownership	(MW)	Power purchaser	valid through
Thailand (14 proj	ects)	5,563		3,124		
Roi-Et	Biomass (Chaff)	9	24.7%	2	EGAT	2024
					EGAT/ Companies in the industrial	Each
EGCO Cogen	CCGT*2	74	20%	15	park etc.	company
	Biomass					
Yala	(Rubber wood waste)) 20	49%	10	EGAT	2031
Kaeng Khoi 2	CCGT*2	1,468	49%	719	EGAT	2033
Rooftop Solar	Solar	2	60%	1	Companies in the industrial park etc.	-
					EGAT/ Companies in the industrial	
7 SPPs ^{*1}	CCGT*2 Co	onsolidated 790	57.7%	456	park etc.	2038
Nong Saeng	CCGT*2 S	ubsidiaries 1,600	60%	960	EGAT	2039
U-Thai	CCGT*2	1,600	60%	960	EGAT	2040

*1 7 SPP projects (KP1,KP2,TLC,NNK,NLL,CRN,NK2). J-POWER holds 45% stake in NLL and 60% stake in other 6 plants.

United States (11	orojects)		6,402		2,511		
Tenaska Frontier	CCGT*2		830	31%	257	ERCOT market and MISO market	-
Elwood Energy	SCGT* ³		1,350	50%	675	PJM market	-
Green Country	CCGT*2		795	50%	398	SPP market	-
Pinelawn	CCGT*2		80	50%	40	Long Island Power Authority	2025
Equus	SCGT* ³		48	50%	24	NYISO market	-
Fluvanna	CCGT*2		885	15%	133	Shell Energy North America	2024
Edgewood	SCGT* ³		88	50%	44	NYISO market	-
Shoreham	Jet Fuel (Simple	e cycle)	90	50%	45	NYISO market	-
Orange Grove	SCGT* ³		96	50%	48	San Diego Gas & Electric	2035
Westmoreland	CCGT*2		940	25%	235	PJM market	
Jackson generation	CCGT* ²	Consolidated Subsidiaries	1,200	51%	612	PJM market	-

Copyright, J-POWER All rights reserved.

*2 CCGT:Combined Cycle Gas Turbine *3 SCGT:Simple Cycle Gas Turbine



(2) -1. Overseas Power Generation Projects (As of March 31, 2024)

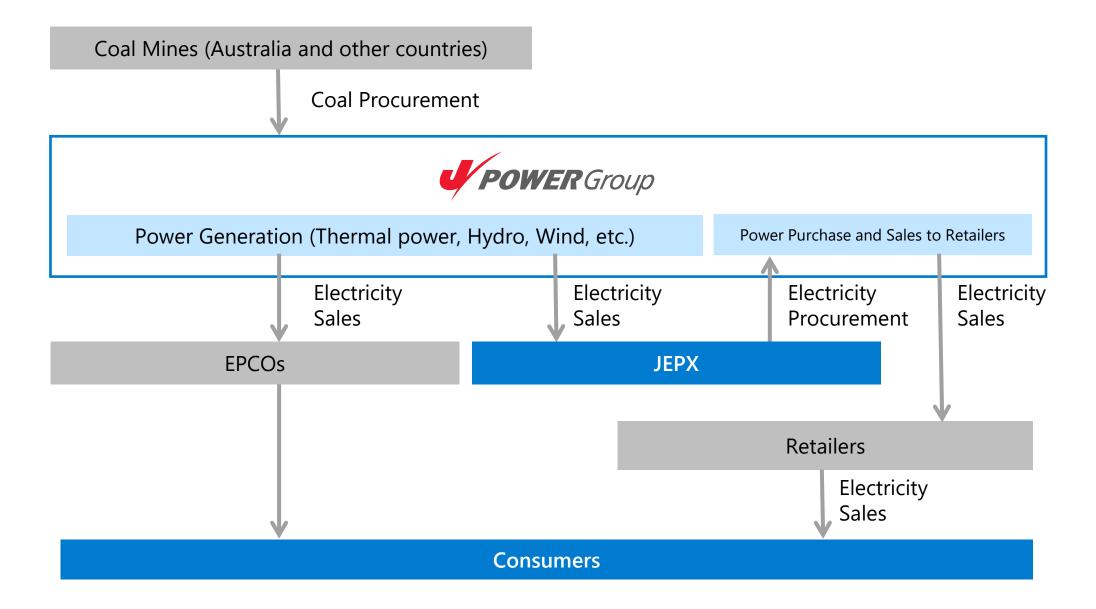
		Output capacity		Owned capacity		Purchase agreement
Project	Туре	(MW)	Ownership	(MW)	Power purchaser	valid through
China (3 projects)		10,108		798		
Hanjiang (Xihe, Shuhe)	Hydro	450	27%	122	Shaanxi EPCO	1 year update * ¹
Gemeng* ²	Wind, solar, pumping, coal-fired	9,658	7%	676	Shanxi EPCO	-
Other countries (7 pr	ojects)	3,760		1,280		
Triton Knoll	Offshore Wind					
(UK)		857	25%	214	Orsted	2037
Batang	Coal-fired					
(Indonesia)		2,000	34%	680	PLN	2047
CBK (3 projects)	Hydro / pumping				Philippine Electric	2026
(Philippines)		728	50%	364	Power Corporation	
Lake Mainit Hydro	Hydro					
(Philippines)		25	40%	10	ANECO	2048
Kidston Stage 1	Solar					-
(Australia)		50	7.7%	4	NEM market	
Gemaron Solar	Solar					-
(Australia)		50	7.7%	4	NEM market	
Bouldercombe	Storage					
(Australia)		50	7.7%	4	NEM market	-

*1 Although the power sales contract is renewed for one year, in principle, continuous power sales during the operation period will be carried out according to the "Transmission Network Connection Management Agreement" separately concluded with the power transmission and distribution company at the provincial level.

*2 Gemeng International Energy Co., Ltd. is an electric power company that owns 16 power generation companies.



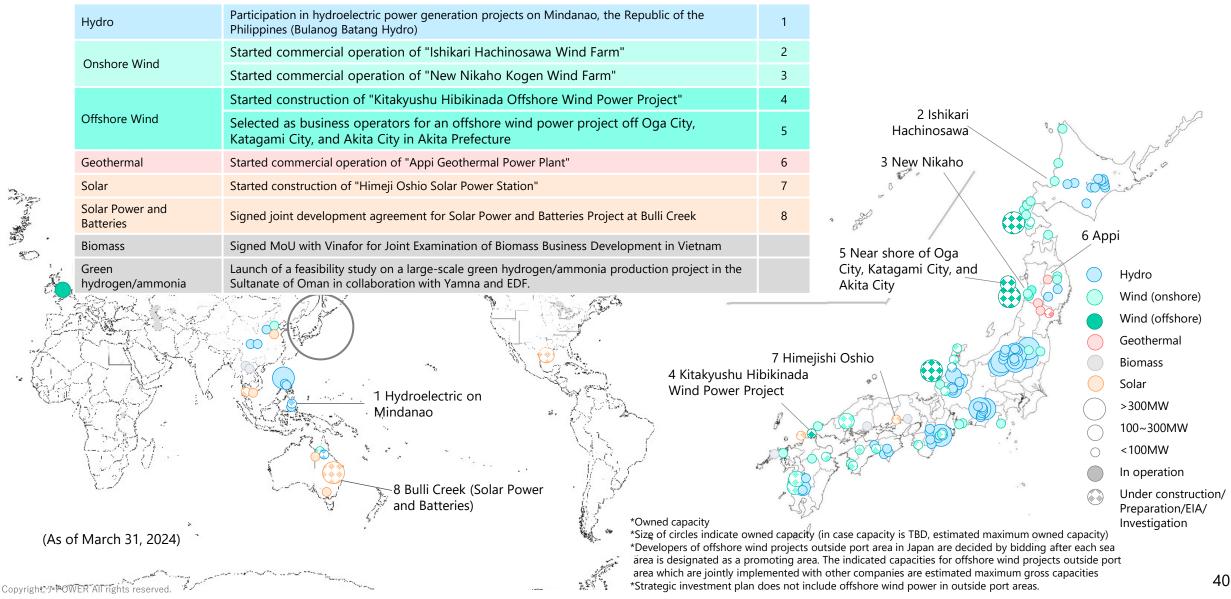
(2) -2. Main Flow of Domestic Electricity Business





(2) -3. Expansion of Renewable Energy

Latest Status of Our Initiatives



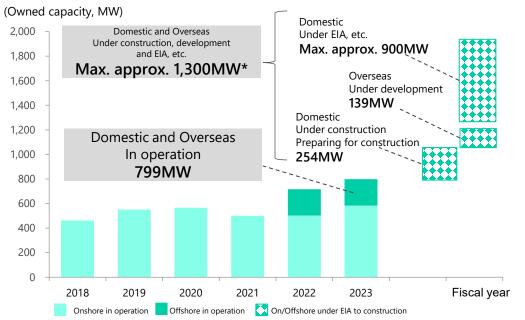
(2) -4. Renewable Energy Development Projects (Wind)



(As of March 31, 2024)

Projects (Onshore/Offshore)

*Domestic offshore wind power in outside port areas includes only publicly solicited bids.



Under construction Kaminokuni No. 2^{*1} (Hokkaido) Minami Ehime No. 2^{*2} (Ehime) Kitakyushu-Hibikinada Offshore*3 (Fukuoka), etc.

Under environmental impact assessment Preparing for construction Reihoku Kunimiyama (Kochi) Wajima (Ishikawa), etc. Kita-Kagoshima (Kagoshima), etc.

Under development (Overseas) Kidston Stage 3 Wind^{*4} (Australia)

Under development (Domestic) Offshore Wind Power Project Off Oga City, Katagami City, and Akita City^{*5} (Akita)

*1 Presents only phase 1 construction. Total plan amounts up to 120.4MW

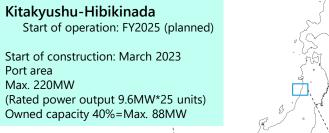
*2 Total plan amounts up to 40.8MW

*3 Conducted jointly with Kyuden Mirai Energy Company, Incorporated, Hokutaku Co., LTD, Saibu Gas Co. Ltd. and Kyudenko Corp.

*4 Conducted jointly with Genex Power Limited. The owned capacity includes 7.7% stake in Genex, in addition to the 50% stake held by the Company under the development funding agreement

*5 Conducted jointly with JERA Co., Inc., Tohoku Electric Power Co., Inc., and ITOCHU Corporation

Domestic Offshore



Project area

NEDO pilot test

2011 to March 2017

Offshore Wind Power Project Off Oga City, Katagami City, and Akita City in Akita Prefecture June 2028 Planned Start of Commercial Operation Project area (The promotion area) Outside port area Max. 315MW Rated output 15MW*21 units Owned capacity 37%=Max. approx.116MW Dec. 13, 2023

*We will consider and respond to each location for open tendering toward the more realization of offshore wind power in outside port area.

Offshore wind power plant in Kitakyushu coast

Overseas Offshore Triton Knoll Start of commercial operation: April 2022 Triton Knoll Offshore Wind Farm UK United Kingdom Capacity 857MW **Ownership 25% Owned Capacity 214MW**



Selected as

Business

Operators

(2) -5. Renewable Energy Development Projects (Hydro, Geothermal, Solar)

(As of March 31, 2024)

POWER

	Project	Capacity	Ownership	Owned capacity	Note
	Ogamigo Repowering (Gifu)	20.0MW->21.3MW	100%	20.0MW->21.3MW	Start of operation: FY2024 (planned)
	Suezawa Repowering (Niigata)	1.5MW->2.2MW	100%	1.5MW->2.2MW	Start of operation: FY2024 (planned)
Hydro	Nagayama Repowering (Kochi)	37.0MW->39.5MW	100%	37.0MW->39.5MW	Start of operation: After FY2025 (planned)
	Onabara (Ishikawa)	1.0MW	100%	1.0MW	Start of operation: FY2026 (planned)
	K2 Hydro (Australia, Pumped hydro)	250MW	7.7%	19.3MW	Start of operation: 2024 (planned)
	Bulanog Batang Hydro (Philippines)	32.5MW	40%	13.0MW	Start of operation: 2030 (planned)

	Contractor	Project	Capacity	Ownership	Owned capacity	Note
Geo	Geothermal	Takahinatayama-area (Miyagi)	-	-	-	Under research for development

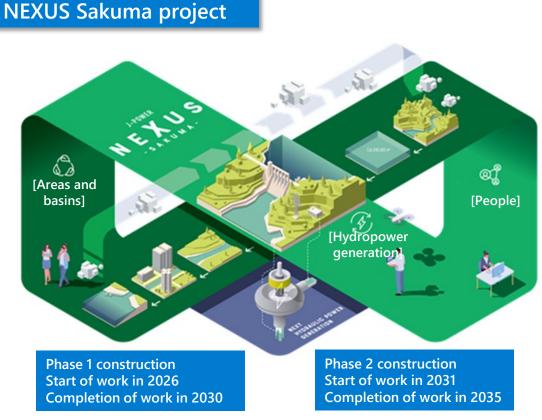
	Project	Capacity	Ownership	Owned capacity	Note
	Kitakyushushi Hibikinada (Fukuoka)	30MW	100%	30MW	Start of operation: FY2024 (planned)
	Himejishi Oshio (Hyogo)	2MW	100%	2MW	Start of operation: FY2024 (planned)
Solar	Refugio (USA)	375MW	100%	375MW	Start of operation: After 2026 (planned)
	Rooftop solar (GJP1) (Thailand, 9 projects)	Total 10.5MW	60%	6.3MW	Start of operation: After 2024 (planned)
	Rooftop solar (EGCO Cogen) (Thailand, 1 project)	2.4MW	20%	0.5MW	Start of operation: FY2024 (planned)
	Bulli Creek ^{*1} (Australia)	775MW	53.9% ^{*2}	417.4MW	Scheduled to be developed in phases

^{*1}Plans to develop up to 2,000MW of solar power and batteries combined. At present, only 775MW of solar power development phase 1 is included

^{*2}J-POWER owns 50% stake of the project, and with its 7.7% stake in Genex Power Limited, J-POWER's overall stake is 53.9%.

(2) -6. Upcycling to next-generation hydropower plants NEXUS Sakuma

- Under the NEXUS Sakuma project, increase the amount of water used for power generation to achieve a maximum output of +50 MW and an annual output of +55 GWh.
- Contributes to the stable supply of electricity in both Eastern Japan area and Western Japan area by utilizing the characteristics of generators that can operate at both 50 Hz and 60 Hz.



[Accomplishment schematic view]

✓ It depicts a circulation image of hydropower generation/areas and basins/people in conjunction with each other around a power plant based on an infinity symbol and the circulation flow of atmospheric air and water.

"Next-generation hydropower plants" that bring new values and energy

Hydropower generation

By applying modern technologies to renovate aged facilities, we aim to further increase both output and amount in electricity to be generated, as well as to drastically solve issues in the existing facilities.



യീ

Areas and basins

To deploy our sustainable hydropower business under the understanding and cooperation by those who are living in the involving areas, we live together with them in the basins around our facilities and take efforts to create together new values.

People

With a fusion of the local employees' force (people) and digital technologies, we realize highly-advanced, highly-efficient maintenance services, as well as we create time and motivation for new challenges.

Sakuma power plant (present)

Sec.	
ATTEN A	
	Ter-

	Maximum output
	350MW Annual power generation
	Approx. 1,400GWh
	Basin area 4,156.5km ²
	Total water storage capacity
a FR	326.85 million m ³
	Power supply to both 50 and 60 Hz areas

Shizuoka Tenryugawa river system

(2) -7. Ohma Nuclear Power Project

- In December 2014, J-POWER submitted to NRA (Nuclear Regulation Authority) 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.
- Standard seismic motion and standard tsunami are under review by NRA.
- Once the review has been passed, we will begin construction on facility safety reinforcement in the latter half of 2024 based on the review findings, with the aim of completion in the latter half of 2029.
- Sincerely respond to compliance reviews and steadily implement safety measures based on the latest reviews result as for constantly pursuit of further safety improvements.
- Strive for more polite information communication so that we can gain the understanding and trust of the community.

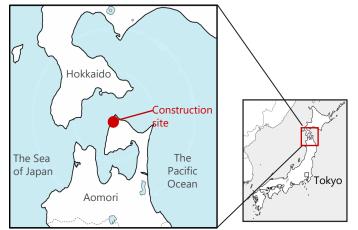


Status of construction (as of March 31, 2024)

	τ	Location	Ohma-machi, Shimokita-gun, Aomori Prefecture
roje	roje	Capacity	1,383MW
	Overview of the Project	Type of nuclear reactor	Advanced Boiling Water Reactor (ABWR)
	view	Fuel	Enriched uranium and uranium-plutonium mixed oxide (MOX)
	Oven	Commencement of operations	To be determined

> Promoting safety as a top priority, with the use of the Long-Term Decarbonisation Power Auction Scheme in mind.

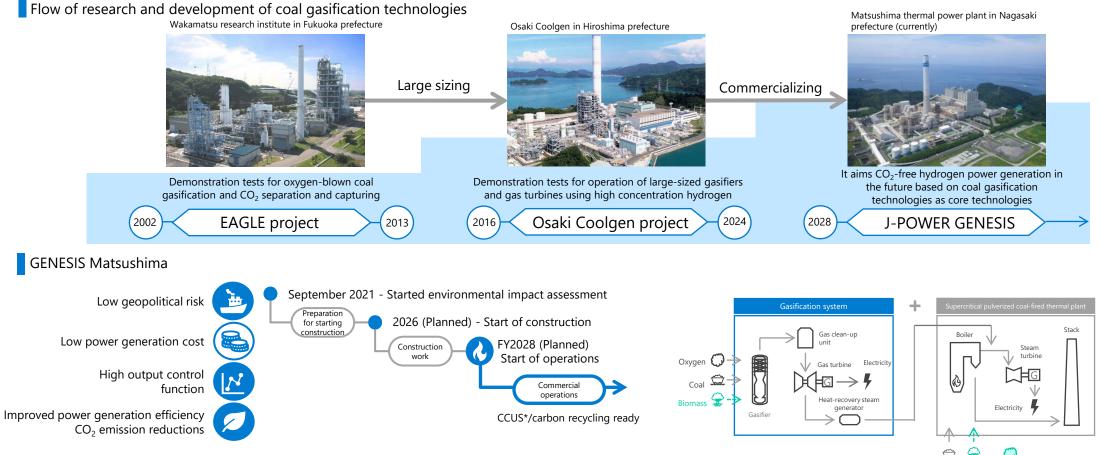






(2) -8. Hydrogen production and use in existing thermal power plants GENESIS Matsushima

- First step toward CO₂-free hydrogen power generation by commercializing the technology demonstrated in Osaki CoolGen Project.
- Upcycling by adding a gasification system to the existing facility of Matsushima thermal power plant. Enabling production and generation of electricity from gas containing hydrogen
- GENESIS Matsushima aims to start construction in 2026 and operation in FY2028.



*Carbon dioxide Capture, Utilization and Storage, meaning that CO₂ is separated, captured, effectively utilized and stored

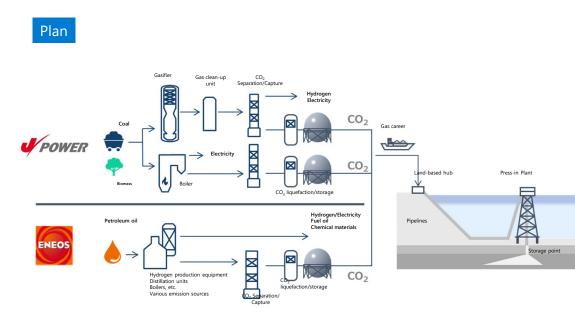
Coal Biomass Ammonia



(2) -9. Establishment of joint venture for CCS in Japan

- J-POWER, ENEOS Corporation, and JX Nippon Oil & Gas Exploration Corporation are jointly working on the possibility of starting a CCS project to capture, transport, and store CO₂ from J-POWER's thermal power plants and ENEOS' refineries in western Japan by FY2030.
- In February 2023, the three companies have established "West Japan Carbon dioxide Storage Survey Co., Ltd." to promote preparations for commercialization, including exploration and evaluation for the selection of candidate sites for CO₂ storage.
- In August 2023, the CCS project plan proposed by the above three companies was selected by JOGMEC for the FY2023 "Study on Implementation of Japan's Advanced CCS Project," and acceptance agreement was signed with JOGMEC.

J-POWER and ENEOS Holdings are implementing the following initiatives

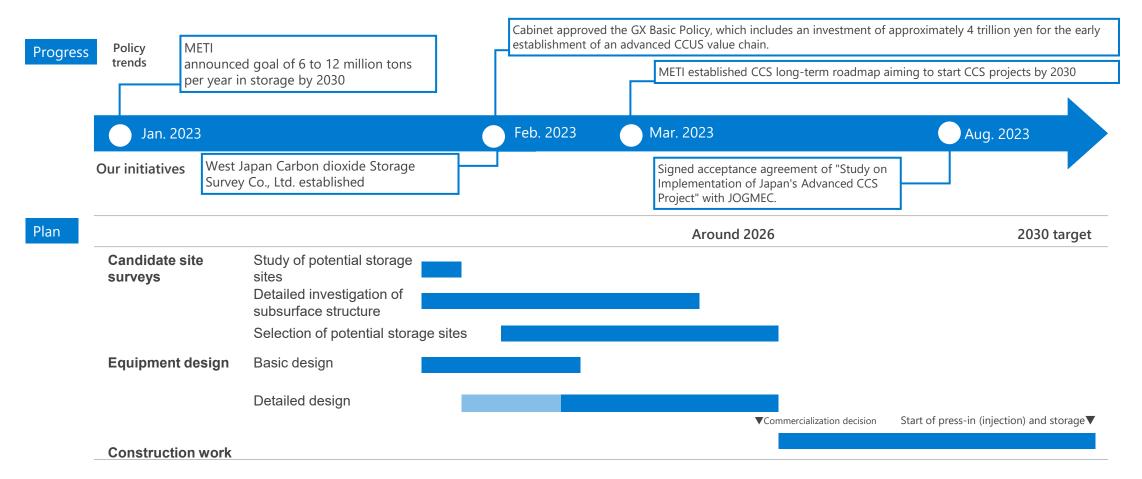


Overview of joir	nt venture for CCS in Japan <i>Vpower</i>					
Name	West Japan Carbon dioxide Storage Survey Co., Ltd.					
Established	Feb. 2023					
Capital	150 million yen					
Location	Chiyoda ward, Tokyo					
Overview of selected CCS project plan						
Proposer	J-POWER, ENEOS Corporation, JX Nippon Oil & Gas Exploration Corporation					
Emission Sources	J-POWER thermal power plants and ENEOS refineries in western Japan					
Transport Method	Vessels and pipelines					
Candidate sites for CO₂ storage	Off the northern to western in Kyushu (offshore saline aquifers)					
Storage Volume	3 million tons/year					
Feature of the project	Promoting a large-scale CO ₂ storage project in the sea for a wide area of western Japan, including the Setouchi Sea					



(2) -10. Feasibility Study for Large-scale CCS in Japan

- It will take nearly 10 years—from the investigation of candidate sites to the start of press-in (injection) and storage—for surveys, design, and construction.
- By starting as early as possible, we will contribute to CO_2 reduction in Japan by FY2030.
- To achieve an early resolution of our goals, we will coordinate and collaborate with all stakeholders to resolve issues, such as business environment improvement, CCS chain formation, and reducing costs.



(2) -11. Global Business Expansion and J-POWER Group's Integrated Strengths

- The J-POWER group is expanding its overseas business based on and combining its unique strengths in (1) project development, (2) project promotion, and (3) portfolio management (profitability improvement and risk management).
- J-POWER group as a developer acquires wide knowledge and earns profits through development of Green-Field projects, steady progress of construction projects, and stable operation. As change of business situation, we revise our portfolio such as rebalancing investments for ensuring profitability and business sustainability.
- Based on valuable knowledge and revenue from our existing projects, J-POWER group continues development of new projects mainly renewable power project. Through these new projects, J-POWER continues global business expansion and contribution to achieve carbon neutrality.

Project development

Portfolio management

- Accumulation of experience of Green-Field projects
 Ensuring first-mover advantage
- Risk management and rebalancing
- ·Improve profitability and make the next investment

Project promotion

•Steady execution from construction to operation

Sustainable business expansion

Leveraging these strengths to expand our business with a focus on renewable power projects.

New projects under construction, development, investigation

USA

• Development of solar power plants (Refugio)

Asia

- Development and construction of rooftop solar in Thailand
- Examination of biomass business development in Vietnam
- Development of hydroelectric power generation projects in Philippines (Bulanog Batang Hydro)

Australia

J-POWER participates in renewable power project with Genex*

- Development of onshore wind (Kidston Stage-3 Wind)
- Construction of pumped storage power plant (K2-Hydro)
- Development of combined solar/batteries projects (Bulli Creek)

Middle East

Launch of a feasibility study on a large-scale green
 hydrogen/ammonia production project in the Sultanate of Oman

(2) -12. Overview of Overseas Projects under Development

(As of March 31, 2024)

Project	Overview	
Refugio (USA) Capacity: 375MW Type: Solar Ownership: 100% Status: Under development Start of operation (planned): After 2026	 Refugio is located close to Houston, a high power demand area Development issues such as procedures for land acquisition, permits have been largely resolved 	Texas Demand center Refugio project Local total
Kidston Stage-3 Wind (Australia) Capacity: 258MW Type: Onshore wind Ownership: 53.9%*2 Status: Under development Start of operation (planned): 2026	 First renewable project in Australia for J-POWER J-POWER executes Joint Development Agreement with Genex Power Limited for New Wind Project in May 2022 Leveraging J-POWER's domestic and international wind energy expertise and Genex's renewable energy development capabilities in Australia 	Kidston Stage-3 Wind
Bulli Creek ^{*1} (Australia) Capacity: 775MW Type: Solar power Ownership: 53.9% ^{*2} Status: Under development	 Signed a Joint Development Agreement with Genex to acquire a 50% interest in the business Plans to develop up to 775MW of solar power at Bulli Creek site in southern Queensland 	Bulli Creek
*1Plans to develop up to 2 000MW of	solar power and batteries combined. At present, only 775MW of solar power development phase 1 is inclu	udad

^{*1}Plans to develop up to 2,000MW of solar power and batteries combined At present, only 775MW of solar power development phase 1 is included

*²The owned capacity which includes 7.7% stake in Genex in addition to the 50% stake held by the Company under the development funding agreement is 53.9%

(2) -12. Overview of Overseas Projects under Development



(As of March 31, 2024)

Project	Overview				
Rooftop solar [GJP1/EGCO Cogen] (Thailand) Capacity: Total 10.5MW (9 projects)/2.4MW (1 project) Type: Solar Ownership: 60%/20% Status: Under development and construction Start of operation: Each project will commence commercial operation after 2024	 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 				
Hydroelectric power generation projects on Mindanao (Philippines) Bulanog Batang Hydro Capacity: 32.5MW Type: Hydro (run-of-river system) Ownership: 40% Status: Under development Start of operation (planned): 2030	 J-POWER will acquire a portion of the shares of subsidiaries of Markham Resources Corporation (MRC), a power generation company in the Republic of the Philippines, in order to participate in hydroelectric power generation projects on Mindanao Island, the Philippines. Mindanao has many undeveloped hydropower sites. The development of these sites is expected to help shift the island's electricity supply from fossil fuel-derived power sources, currently the major contributor, to carbon-free power sources. Both projects will play a role in this shift. Lake Mainit Hydro has started commercial operation on March 2023. 				
Large-scale green hydrogen/ammonia production project (Oman) Salalah area, Sultanate of Oman Type: • Approx. 4.5 GW of wind and solar capacity coupled with battery storage • Approx. 2.5 GW electrolyser Status: • Launch of a feasibility study Biomass Business Development (Vietnam)	 Consortium formed with Yamna and EDF to bid for the right to implement a large-scale green hydrogen/ammonia production project in the Sultanate of Oman. Business development agreement, etc. signed with Hydrom, responsible for the development of green hydrogen projects in the country. Aiming to produce approximately 1 million tonnes of green hydrogen/ammonia per year by making use of abundant renewable energy resources. (April 30, 2024) J-POWER signed a memorandum of understanding (MoU) with Vietnam Forestry Corporation (Vinafor) to jointly examine the development of the biomass business in Vietnam, including power generation and fuel production J-POWER intends to enter and expand the biomass power generation business in Vietnam and will strive to gain 				
WER All rights received	knowledge of the sustainable use of biomass fuels through a broad involvement in the supply chain for biomass fuels				



(2) -13. Contributing to the enhancement of power networks

- Pursue business opportunities that contribute to the augmentation of power networks to support massive introduction of renewable energy
- Promote efforts to strengthen resilience in light of the increasing severity of natural disasters

Transmission and transformation facilities

✓ J-POWER Transmission owns and operates critical transmission and transformation facilities throughout Japan, including the cross-regional interconnection facilities that interconnect the grids of different electric power companies.

	Facilities in operation	Transmission lines Total length: Approxima	ately 2,400 km	Substations	4 locations
		AC/DC converter stations		Frequency converte	er stations 1 location

Construction of the New Sakuma Frequency Converter Station and others

Start of construction in April 2022 Operation scheduled to start in FY2027

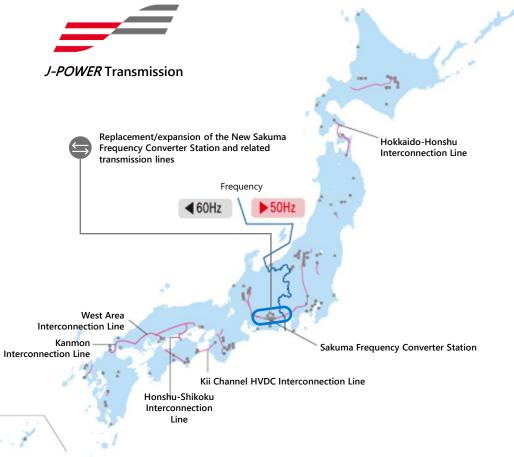
- ✓ J-POWER will steadily promote the replacement/expansion of the New Sakuma Frequency Converter Station and related transmission lines to meet consumers' expectations for enhancing the capability to interchange electric power between 50Hz in eastern Japan and 60Hz in western Japan. J-POWER will continue to pursue business opportunities contributing to strengthening power networks.
- ✓ Today's most pressing issues also include the need to sophisticate maintenance due to strengthen resilience against intensifying natural disasters. J-POWER will continue to contribute to a stable power supply through these efforts.



Construction of the New Sakuma Frequency Converter Station and others

- New Sakuma Frequency Converter Station 300MW

- Sakuma East Trunk Line, etc. Approx. 138km



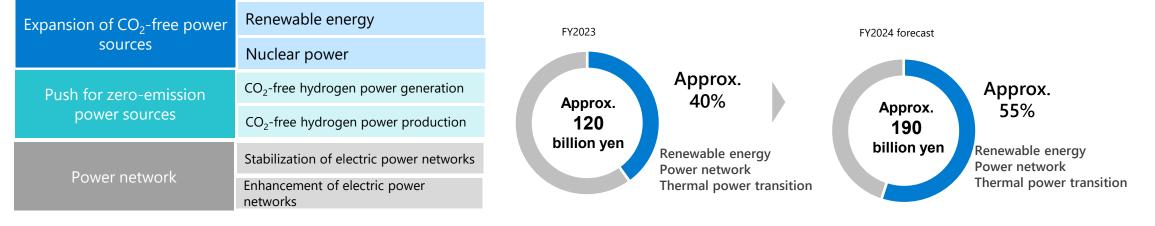


(2) -14. Investments for Transition

Investment result and forecast Investment Cash Flow

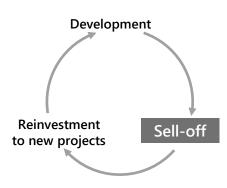
Towards a carbon-neutral society, three initiatives in BLUE MISSION 2050

*The below figures are current estimates and may change depending on future conditions. *The below graphs do not include the recovery of investments and loans in the investment CF.



Efforts for improvements in capital efficiency

We are working to improve capital efficiency by not only holding assets for the long term, but also replacing our business portfolio as appropriate, for example by selling assets and reinvesting in new projects using the proceeds from the sale. Through the introduction of ROIC, we will also build a system to measure capital efficiency by business and take appropriate improvement measures.



and operation						
J-POWER Group		J-POWER Group	Partners			

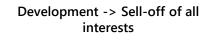
Assets

Jackson Generation Power Plant in the US

Partial sell-off

Assets

- Sold partial interests in developed gasfired power plants and acquired developer's profits.
- Actively involved in the operation of the plant after partial-sells off.





Wharton Solar Project in the US

• Sold all equity interests in solar power plants that have finished development and acquired developer's profits.

Development and Operation -> Withdrawal

J-POWER Group	Third Party
Sell-off of all assets	
Assets	Assets

Three domestic thermal power projects (Ichihara, Shinminato and Itoigawa), etc.

• Withdrew through the transfer of assets to a third party, taking into account the age and competitiveness of the facilities.

POWER

(2) -15. J-POWER Group's Green/Transition Finance Framework

Potential Funding Objectives of (Green/Transition Finance (Use o	f Proceed	ls instruments	*Potential Fun *The use of fun	ding Objectives of Green Finance nds is defined on a case-by-case ba	asis, undecided at this time.	
J-POWER "BLUE MISS	ION 2050" Initiatives		Potential Funding Objectives				
		Upcycling (adding gasifier to existing assets)					
	Hydrogen power generation	Upcycling (CO ₂ separation and capture units)					
CO ₂ -free Hydrogen energy			CO ₂ -free hydrogen power generation facilities*				
	Fuel production (CO ₂ -free hydrogen)	CO ₂ -free hydrogen power production facilities*					
	Renewable energy	Hydro, wind, geothermal, solar*					
CO ₂ -free power generation	Nuclear power	The Ohma Nuclear Power Plant					
	Stabilization	Distributed energy service*					
Power network		Frequency converter station, etc.					
	Enhancement		Network for renewable energy				
		Gradual phasing out of aging plants					
Domestic coal-fired power plants		Power generation facilities for mixed/mono combustion with biomass, ammoni				s, ammonia, etc.	
				1 KPI stands for Key Performance Indicator. 2 SPT stands for Sustainability Performance Target, which is set as a target for a key performance indicator (KP			
KPI: Key Performance Indicator ^{*1} SPT: Sustainability Performance		e Target ^{*2} Examples of Transition-Linked Loan Financing					
	1.FY2025: -9.2 million tons		Borrowing date	September 29, 2023	September 29, 2023	February 29, 2024	
CO ₂ emissions reduction from J-POWER Group's domestic power genera	2 EV2020: 16% / 22 5 million tons		Borrowing amount	10 billion yen	10 billion yen	10 billion yen	
business			Borrowing period	7 years	10 years	7 years	
Revised J-POWER Group Green/Transition Finance Framework in July 2023. The revised framework was assessed by DNV BUSINESS SSURANCE JAPAN K.K., a third-party evaluation organization, for conformance with various standards related to green finance,			Lender	Domestic financial institutions	Domestic financial institutions	Domestic financial institutions	
ansition finance, and sustainability-linked finance. PT (either or both 1. and 2.) and various conditions, including changes in interest rate terms based on achievement of goals are etermined on individual occasions.			Third-party DNV BUSINESS ASSURANCE JAPAN K.K. evaluator			PAN K.K.	



Electric Power Development Co.,Ltd.

https://www.jpower.co.jp/english/