


# **Financial results for 1Q of FY ending 3/2023 & Financial forecasts for FY ending 3/2023**

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The Kansai Electric Power Co., Inc.

July 29, 2022

A decorative graphic at the bottom of the slide consists of several overlapping, wavy, horizontal bands in various shades of orange and peach, creating a layered, wave-like effect.

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## 1Q of FY 3/2023 Earnings Results

- ✓ Consolidated : Increased revenue and decreased income
- ✓ Consolidated operating revenues : 767.5 billion yen  
(change in comparison with the previous term : +198.7 billion yen)  
Revenue increased due to increase in electricity sales to residential, commercial and industrial.
- ✓ Consolidated ordinary loss :  $\Delta$ 17.1 billion yen  
(change in comparison with the previous term :  $\Delta$ 40.3 billion yen)  
Ordinary income decreased due to the impact of exchange rates / fuel prices, a increase in procurement costs through JEPX and a decrease in nuclear capacity factor, despite an increase in electricity sales to residential, commercial and industrial.

## FY 3/2023 Financial and Dividend Forecasts

- ✓ Consolidated ordinary loss : Unchanged ( $\Delta$ 100.0 billion yen)
- ✓ 3/2022 Annual dividend forecasts : Undecided

# Financial highlights (Consolidated)

(billion yen)	FY 3/2022-1Q	<b>FY 3/2023-1Q</b>	Change	Ratio
Operating revenues	568.8	<b>767.5</b>	+198.7	+34.9%
Operating income or loss	21.6	△ <b>43.2</b>	△64.8	—
Ordinary income or loss	23.1	△ <b>17.1</b>	△40.3	—
The net income or loss attributable to owners of the parent company	15.2	△ <b>11.4</b>	△26.7	—

(billion yen)	Mar. 31, 2022	<b>Jun. 30, 2022</b>	Change
Interest-bearing debt	4,838.3	<b>4,936.9</b>	+98.5
Equity ratio (After adjustments*)	19.2% (20.4%)	<b>19.4%</b> <b>(20.7%)</b>	+0.2% (+0.3%)

\* Calculated with 50% of issued subordinated bonds as equity. It does not mean that shareholders will be diluted.

# Major factors

Major factors	FY 3/2022-1Q	FY 3/2023-1Q	Change
Total electric sales (TWh) *1*2	26.5 (97.9)	<b>28.6 (107.7)</b>	+2.0
Retail electric sales volume	22.8 (96.9)	<b>24.9 (109.5)</b>	+2.2
Residential	6.9 (92.2)	<b>6.5 (94.3)</b>	△0.4
Commercial and Industrial	15.9 (87.4)	<b>18.4 (116.0)</b>	+2.6
Electricity sales to other non-utilities	3.8	<b>3.6</b>	△0.1
Electricity demand in Kansai area (TWh)	30.2	<b>30.2</b>	+0.1
Gas sales volume (10,000t)	27	<b>32</b>	+5
Nuclear capacity factor (%)	44.1	<b>29.1</b>	△15.0
Water run-off ratio (%)	107.3	<b>92.6</b>	△14.7
All Japan CIF crude oil price (\$/barrel)	67.0	<b>110.8</b>	+43.8
Exchange rate [TTM] (yen/\$)	109	<b>129</b>	+20

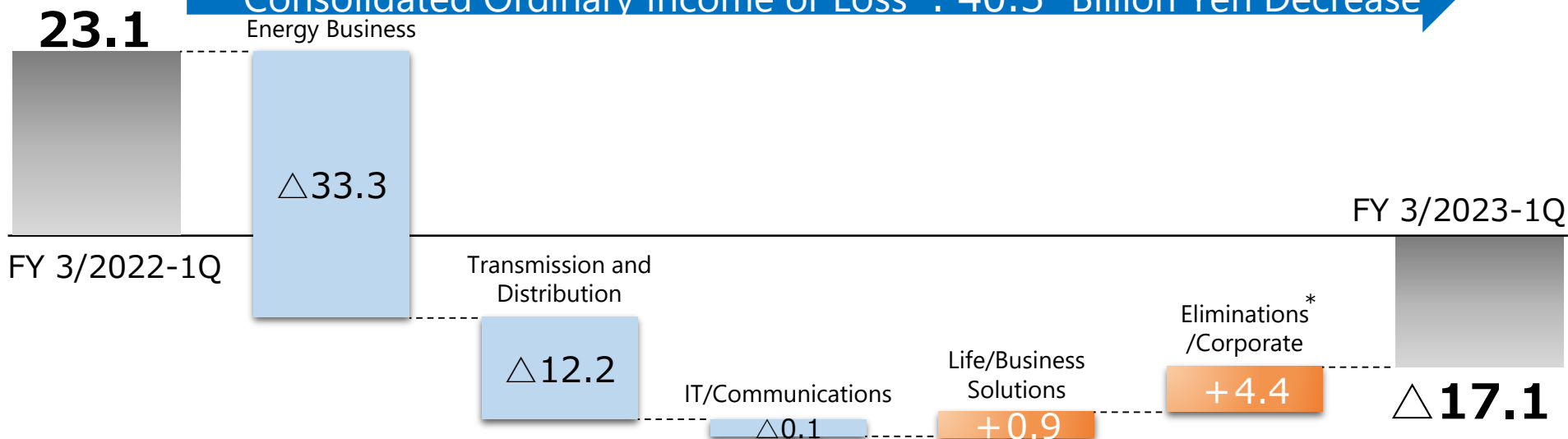
\*1 ( ): Changes from the previous term, %

\*2 Total electricity sales to KEPCO in Energy Business.

# Segment information

(billion yen)	FY 3/2022-1Q			FY 3/2023-1Q			Change		
	Operating revenues	Operating revenues (external transactions)	Ordinary income or loss	Operating revenues	Operating revenues (external transactions)	Ordinary income or loss	Operating revenues	Operating revenues (external transactions)	Ordinary income or loss
<b>Energy Business</b>	463.8	411.7	13.1	<b>657.1</b>	<b>575.7</b>	<b>△20.2</b>	+193.2	+164.0	△33.3
<b>Transmission and Distribution</b>	202.2	72.1	△4.2	<b>253.9</b>	<b>105.0</b>	<b>△16.4</b>	+51.7	+32.9	△12.2
<b>IT/ Communications</b>	65.0	51.1	10.5	<b>65.9</b>	<b>52.0</b>	<b>10.4</b>	+0.8	+0.9	△0.1
<b>Life/Business Solutions</b>	44.3	33.7	4.3	<b>45.2</b>	<b>34.6</b>	<b>5.3</b>	+0.9	+0.8	+0.9
<b>Total</b>	775.5	568.8	23.8	<b>1,022.3</b>	<b>767.5</b>	<b>△20.9</b>	+246.7	+198.7	△44.7
Eliminations/Corporate	△206.6	—	△0.6	<b>△254.7</b>	—	<b>3.7</b>	△48.0	—	+4.4
<b>Consolidated</b>	568.8	568.8	23.1	<b>767.5</b>	<b>767.5</b>	<b>△17.1</b>	+198.7	+198.7	△40.3

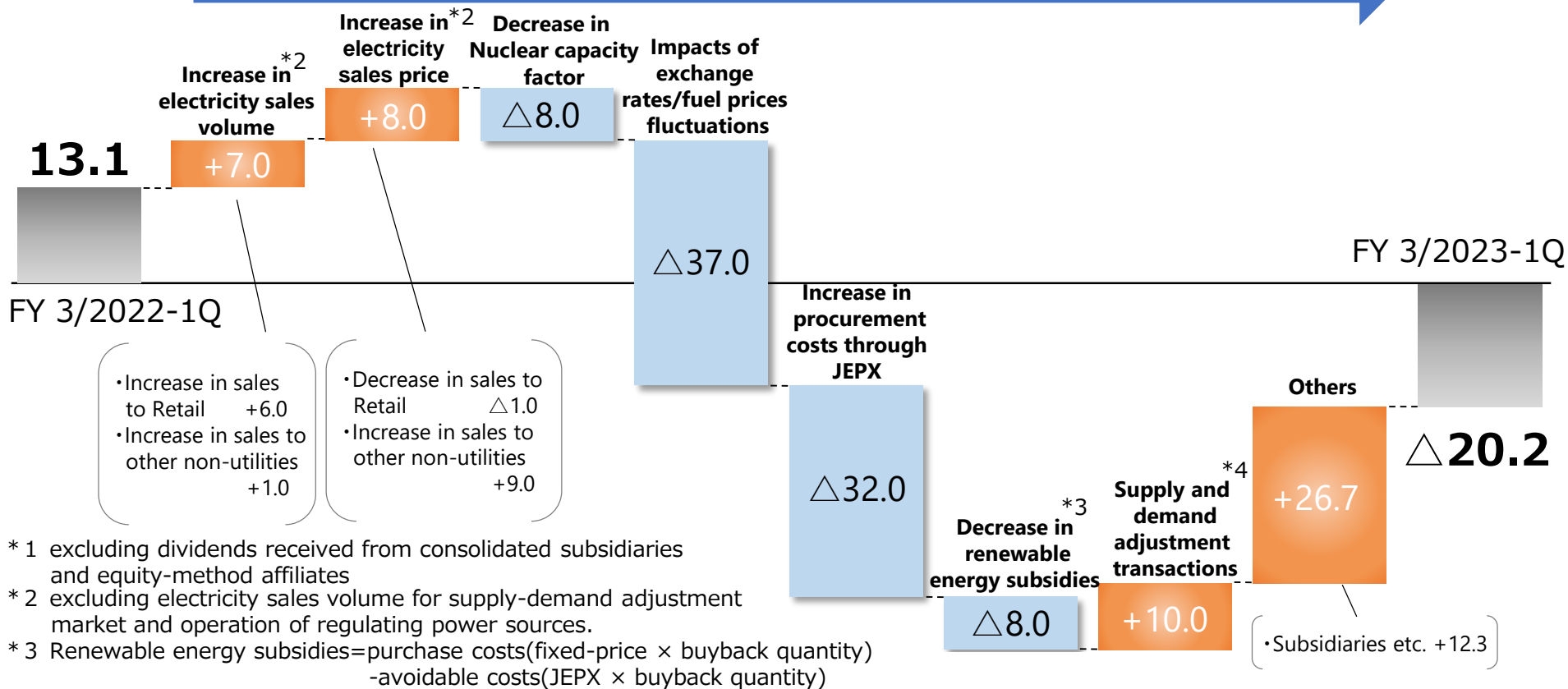
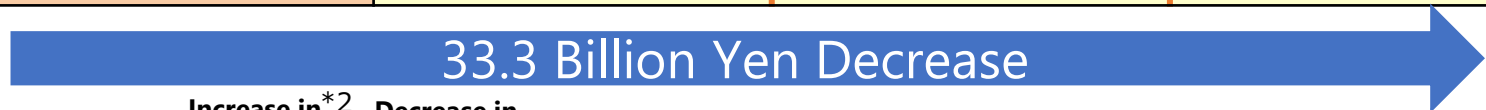
**Consolidated Ordinary Income or Loss : 40.3 Billion Yen Decrease**



\* Eliminations/Corporate includes transferred income from subsidiary Extraordinary income or loss to consolidated Ordinary income or loss.

# Segment results : Energy Business

(billion yen)	FY 3/2022-1Q	FY 3/2023-1Q	Change
Operating revenues	463.8	<b>657.1</b>	+193.2
Operating revenues (external transactions)	411.7	<b>575.7</b>	+164.0
Ordinary income or loss <sup>*1</sup>	13.1	<b>△20.2</b>	△33.3



\* 1 excluding dividends received from consolidated subsidiaries and equity-method affiliates

\* 2 excluding electricity sales volume for supply-demand adjustment market and operation of regulating power sources.

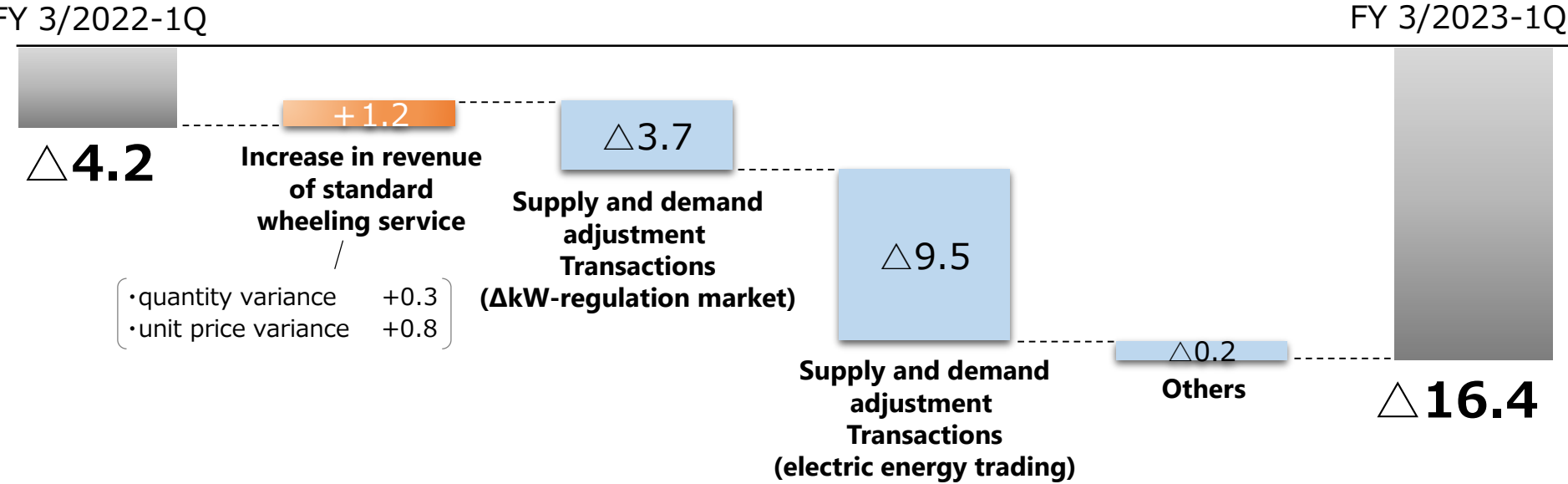
\* 3 Renewable energy subsidies=purchase costs(fixed-price × buyback quantity) -avoidable costs(JEPX × buyback quantity)

\* 4 Amount of transactions related to supply-demand adjustment power market and operation of regulating power sources.

# Segment results : Transmission and Distribution

(billion yen)	FY 3/2022-1Q	FY 3/2023-1Q	Change
Operating revenues	202.2	<b>253.9</b>	+51.7
Operating revenues (external transactions)	72.1	<b>105.0</b>	+32.9
Ordinary loss*	△4.2	△ <b>16.4</b>	△12.2

12.2 Billion Yen Decrease

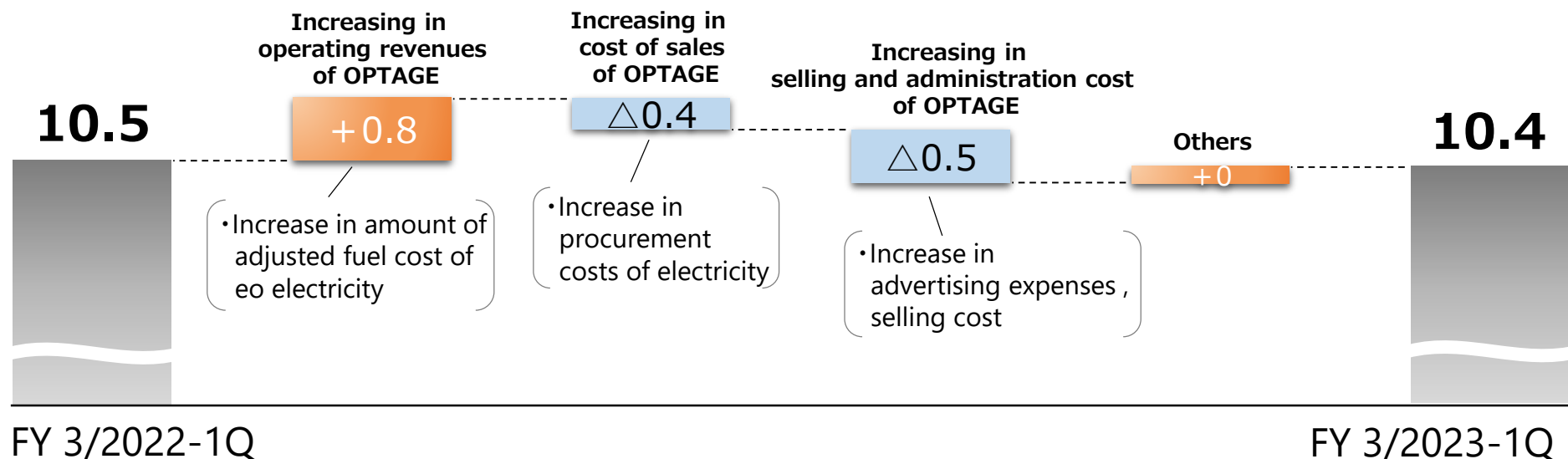


\* excluding dividends received from consolidated subsidiaries and equity-method affiliates



# Segment results : IT/Communications

(billion yen )	FY 3/2022-1Q	FY 3/2023-1Q	Change	<Major factors>			
Operating revenues	65.0	<b>65.9</b>	+0.8	(million)	FY 3/2022-1Q	FY 3/2023-1Q	Change
Operating revenues (external transactions)	51.1	<b>52.0</b>	+0.9	Number of FTTH subscribers	1.68	<b>1.70</b>	+0.02
Ordinary income*	10.5	<b>10.4</b>	$\Delta 0.1$	Number of MVNO subscribers	1.18	<b>1.21</b>	+0.03
OPTAGE Inc.*	(10.9)	<b>(10.9)</b>	( $\Delta 0$ )				



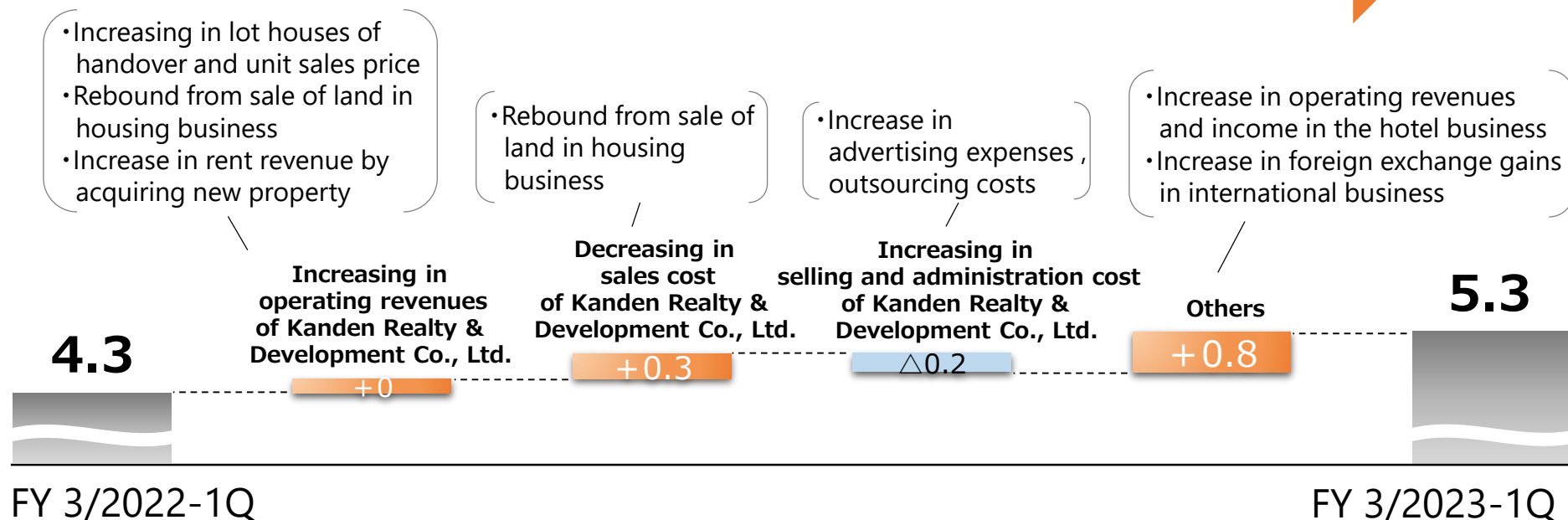
\* excluding dividends received from consolidated subsidiaries and equity-method affiliates.

# Segment results : Life/Business Solution

(billion yen )	FY 3/2022-1Q	FY 3/2023-1Q	Change
Operating revenues	44.3	<b>45.2</b>	+0.9
Operating revenues (external transactions)	33.7	<b>34.6</b>	+0.8
Ordinary income*	4.3	<b>5.3</b>	+0.9
Kanden Realty & Development Co., Ltd.*	(4.1)	<b>(4.7)</b>	(+0.5)

## <Major factors>

(unit)	FY 3/2022-1Q	FY 3/2023-1Q	Change
Lot houses of handover	223	<b>260</b>	+37



\* excluding dividends received from consolidated subsidiaries and equity-method affiliates.

# Consolidated balance sheets

(billion yen)	Mar. 31, 2022	<b>Jun. 30, 2022</b>	Change	
Assets	8,656.4	<b>8,619.7</b>	△36.6	<ul style="list-style-type: none"> <li>• Increase in capital expenditures +77.6</li> <li>• Decrease in depreciation and amortization △76.2</li> <li>• Decrease in cash and deposits △204.5</li> <li>• Increase in inventories +27.8</li> </ul>
Liabilities	6,950.8	<b>6,894.9</b>	△55.9	<ul style="list-style-type: none"> <li>• Increase in Interest bearing debt +98.5</li> <li>• Decrease in accounts payable and accrued expenses △187.2</li> </ul>
Equity	1,705.5	<b>1,724.8</b>	+19.2	<ul style="list-style-type: none"> <li>• Net loss* △11.4</li> <li>• Dividend △22.3 〔25.00yen per share for FY 3/22 year-end〕</li> <li>• Valuation and translation adjustments +35.9</li> </ul>

\* The consolidated net loss means the net income attributable to owners of the parent company.

# FY 3/2023 Financial forecasts (in comparison with the results of previous term)

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\* FY 3/2023 financial and dividend forecasts as of the announcement on April 27, 2022 have been unchanged.

\* Major factors and sensitivity of major factors are as of the announcement on April 27, 2022 for references.

## <Financial forecasts>

(billion yen)	FY 3/2022 (results)	FY 3/2023 (forecasts)	Change	Ratio
Operating revenues	2,851.8	<b>3,420.0</b>	+568.1	+19.9%
Operating income or loss	99.3	△ <b>110.0</b>	△209.3	-
Ordinary income or loss	135.9	△ <b>100.0</b>	△235.9	-
The net income or loss*1	85.8	△ <b>75.0</b>	△160.8	-

\*1 The consolidated net income means the net income attributable to owners of the parent company.

## <Major factors>

	FY 3/2022 (results)	FY 3/2023 (forecasts)	Change
Total Electricity sales (TWh)*3	121.4	<b>127.4</b>	+6.0
Retail electric sales	100.7	<b>109.0</b>	+8.3
Residential	32.3	<b>30.4</b>	△1.9
Commercial and Industrial	68.3	<b>78.6</b>	+10.3
Electricity sales to other non-utilities	20.8	<b>18.4</b>	△2.3
Electricity demand in Kansai area (TWh)	134.9	<b>135.4</b>	+0.5
Gas sales volume (10,000t)	156	<b>150</b>	△5
Nuclear capacity factor (%)	61.0	<b>Mid-to-high 40</b>	-
Water run-off ratio (%)	100.7	<b>Approx. 100</b>	-
All Japan CIF crude oil price (\$ /barrel)	77.2	<b>Approx. 90</b>	-
Exchange rate [TTM] (yen/\$)	112	<b>Approx. 125</b>	-

\*3 Total electricity sales to KEPCO in Energy Business..

## < Financial indicators forecasts >

	FY 3/2022 (results)	FY 3/2023 (forecasts)
FCF (billion yen)	△122.3	<b>Approx. △330.0</b>
Equity Ratio (%) (After adjustment*2)	19.2 (20.4)	<b>Approx. 17 (Approx. 18)</b>
ROA (%)	1.9	<b>Approx. △0.9</b>
(Ref.) ROE (%)	5.1	<b>Approx. △4.7</b>

\*2 Calculated with 50% of issued subordinated bonds as equity. It does not mean that shareholders will be diluted.

## <Sensitivity of major factors>

(billion yen)	FY 3/2022 (results)	FY 3/2023 (forecasts)
Nuclear capacity factor per 1%	4.3	<b>6.5</b>
Water run-off ratio per 1%	1.3	<b>1.8</b>
All Japan CIF crude oil price per \$1/barrel	3.0	<b>3.8</b>
Exchange rate [TTM] per ¥1/\$	5.4	<b>8.0</b>

- Sensitivity of major factors denotes sensitivity of expenses.
- Sensitivity of major factors are subject to change if the rapid and drastic changes of major factors happen.

## <Dividend forecast for FY ending 3/2023>

	Interim	Year-end	Annual
Dividend per share	<b>undecided</b>		

# Appendix

# Consolidated statements of income

(billion yen)	FY 3/2022-1Q	FY 3/2023-1Q	Change
Ordinary revenues (Operating revenues)	580.3 (568.8)	<b>800.7</b> <b>(767.5)</b>	+220.4 (+198.7)
Electric operating revenues	414.8	<b>569.7</b>	+154.9
Other operating revenues	154.0	<b>197.7</b>	+43.7
Non-operating revenues	11.5	<b>33.2</b>	+21.6
Ordinary expenses	557.2	<b>817.9</b>	+260.7
Electric operating expenses	412.8	<b>635.7</b>	+222.9
Other operating expenses	134.3	<b>174.9</b>	+40.6
Non-operating expenses	10.0	<b>7.1</b>	△2.8
Ordinary income or loss	23.1	△ <b>17.1</b>	△40.3
Provision for or reversal of reserve for fluctuation in water level	—	△ <b>0.4</b>	△0.4
Income taxes	7.2	△ <b>6.7</b>	△14.0
Net income or loss*1	15.2	△ <b>11.4</b>	△26.7
Comprehensive income	15.4	<b>30.5</b>	+15.1

- Sales of external transactions in KEPCO +122.3
- Sales of external transactions in Kansai-TD +32.5

- Sales of external transactions in subsidiaries +24.8
- Sales of external transactions in Incidental business +18.9

- Costs for subsidiaries +21.5
- Costs for Incidental business +19.0

\*1 The consolidated net income or loss means the net income attributable to owners of the parent company.

# Non-consolidated results compared with last year (KEPCO)

(billion yen)	FY 3/2022-1Q	FY 3/2023-1Q	Change
Ordinary revenue (Operating revenues)	490.0 (424.7)	<b>669.1</b> <b>(595.9)</b>	+179.1 (+171.1)
Residential, Commercial and industrial	336.2	<b>448.6</b>	+112.4
Sold power to other suppliers	47.2	<b>85.6</b>	+38.4
Others	106.5	<b>134.8</b>	+28.2
Ordinary expenses	424.4	<b>648.0</b>	+223.6
Personnel expenses	26.0	<b>25.3</b>	△0.7
Fuel costs	76.7	<b>180.0</b>	+103.2
Backend expenses of nuclear power	15.4	<b>10.3</b>	△5.1
Maintenance costs	17.6	<b>15.3</b>	△2.3
Taxes other than income taxes	11.8	<b>14.6</b>	+2.7
Depreciation	26.3	<b>27.9</b>	+1.5
Purchased power from other suppliers	52.4	<b>149.4</b>	+96.9
Interest expenses	4.9	<b>5.1</b>	+0.1
Expenses for third party's power transmission service	116.3	<b>124.8</b>	+8.4
Others	76.3	<b>95.1</b>	+18.7
Ordinary income (Operating income or loss)	65.5 (7.9)	<b>21.0</b> <b>(△45.9)</b>	△44.5 (△53.8)
Provision or reversal of reserve for water shortage	—	<b>△0.4</b>	△0.4
Income taxes	2.3	<b>△10.4</b>	△12.7
Net income	63.2	<b>31.9</b>	△31.3

- Increase in retail electricity sales volume +32.0
- Increase in adjusted fuel cost +88.0
- Decrease in retail unit price △8.0

- Revenue from Incidental business +19.1
- Miscellaneous revenue +7.3

- Thermal +105.8
- Nuclear △2.5

- Increase in retail electricity sales volume +15.0
- Decrease in Nuclear capacity factor +14.0
- Increase in electricity purchase from other non-utilities △22.0
- Decrease in electricity sales to other non-utilities △1.0
- Change of exchange rates/fuel prices fluctuations +101.0

- Increase in procurement costs through JEPX +32.0
- Impacts of exchange rates/fuel prices fluctuations +24.0
- Decrease in renewable energy subsidies +8.0

# Non-consolidated results compared with last year (Kansai-TD)

(billion yen)	FY 3/2022-1Q	FY 3/2023-1Q	Change
Ordinary revenues (Operating revenues)	201.3 (190.4)	<b>258.0</b> <b>(242.4)</b>	+56.7 (+51.9)
Transmission revenue	158.8	<b>169.5</b>	+10.7
Sold power to other utilities·suppliers	23.3	<b>61.6</b>	+38.2
Others	19.0	<b>26.7</b>	+7.7
Ordinary expenses	198.0	<b>261.8</b>	+63.7
Personnel expenses	25.0	<b>25.2</b>	+0.1
Maintenance costs	25.3	<b>26.4</b>	+1.1
Taxes other than income taxes	20.8	<b>20.7</b>	△0
Depreciation	26.4	<b>28.0</b>	+1.6
Purchased power from other utilities·suppliers	52.7	<b>112.9</b>	+60.2
Interest expenses	2.2	<b>2.1</b>	△0.1
Others	45.4	<b>46.2</b>	+0.8
Ordinary income or loss (Operating loss)	3.2 (△5.1)	△ <b>3.8</b> <b>(△17.1)</b>	△7.0 (△12.0)
Income taxes	△0.4	△ <b>3.8</b>	△3.3
Net income	3.7	<b>0</b>	△3.6

• revenue of standard wheeling service +1.2  
• Supply and demand adjustment transactions +9.4

• Supply and demand adjustment transactions +25.1

• Dividend income +4.8  
• Supply and demand adjustment transactions +2.8

• Supply and demand adjustment transactions +50.7



# Retail Electricity sales

## <Retail electricity sales for FY 3/2023>

(TWh)		Apr.	May	Jun.
<b>Residential</b>		2.6 (99.2)	2.1 (89.7)	1.7 (92.9)
<b>Commercial and Industrial</b>		6.0 (112.3)	6.0 (117.0)	6.5 (118.9)
<b>Retail Electricity sales*2</b>		8.6 (107.9)	8.1 (108.4)	8.2 (112.2)

\*1 Figures in ( ) are year-on-year %

## <Breakdown of retail electricity sales>

(TWh)		FY 3/2022-1Q	FY 3/2023-1Q	Change	Meter reading	Temperature	Demand	Others
<b>Residential</b>		6.9	<b>6.5</b>	△0.4	+0	△0	△0.2	△0.2
<b>Commercial and Industrial</b>		15.9	<b>18.4</b>	+2.6	+0	+0.1	+2.1	+0.3
<b>Retail Electricity sales*2</b>		22.8	<b>24.9</b>	+2.2	+0	+0.1	+1.9	+0.1

## <Average monthly temperature>

(°C)	Apr.	May	Jun.
<b>Actual</b>	16.8	20.0	24.4
<b>Year-on year change</b>	+1.3	+0.0	+0.5
<b>Anomaly</b>	+1.6	+0.0	+0.8

## <Breakdown of retail electricity sales in FY 3/2023 forecasts>

(TWh)		FY 3/2022 results	FY 3/2023 forecasts	Change	Meter reading	Temperature	Demand	Others
<b>Residential</b>		32.3	<b>30.4</b>	△1.9	+0	△0	△1.9	△0
<b>Commercial and Industrial</b>		68.3	<b>78.6</b>	+10.3	+0	△0.2	+9.3	+1.1
<b>Retail Electricity sales*2</b>		100.7	<b>109.0</b>	+8.3	+0	△0.2	+7.5	+1.0

\*2 Amount of retail electric sales in energy business provided by KEPCO

# Ordinary Income by business segment

\* FY 3/2023 financial forecasts (consolidated) as of the announcement on Apr. 27, 2022 have been unchanged.

\* Ordinary Income by business segment is as of the announcement on Apr. 27, 2022 for references.

(billion yen)	FY 3/2022 (results)		FY 3/2023 (forecasts)		Change	
	Operating revenues (external transactions)	Ordinary income or loss	Operating revenues (external transactions)	Ordinary income or loss	Operating revenues (external transactions)	Ordinary income or loss
<b>Energy</b>	2,092.8	70.6	<b>2,686.0</b>	<b>△112.0</b>	+593.1	△182.6
<b>Transmission and Distribution</b>	398.9	6.0	<b>360.0</b>	<b>△40.0</b>	△38.9	△46.0
<b>IT/ Communications</b>	210.6	40.0	<b>217.0</b>	<b>37.0</b>	+6.3	△3.0
<b>Life/Business Solutions</b>	149.4	19.6	<b>157.0</b>	<b>14.0</b>	+7.5	△5.6
<b>Total</b>	2,851.8	136.3	<b>3,420.0</b>	<b>△101.0</b>	+568.1	△237.3
Eliminations/Corporate	—	△0.4	—	<b>1.0</b>	—	+1.4
<b>Consolidated</b>	2,851.8	135.9	<b>3,420.0</b>	<b>△100.0</b>	+568.1	△235.9

# Interest-bearing debt (Consolidated)

(billion yen)	Mar. 31, 2022	Jun. 30, 2022	Change
<b>Bonds</b>	1,664.0	<b>1,764.0</b>	+99.9 (+120.1、△20.1)
<b>Borrowings</b>	2,864.3	<b>2,712.8</b>	△151.4 (+143.1、△298.3)
<b>Long-term</b>	2,713.6	<b>2,559.7</b>	△153.9 (+76.9、△233.3)
<b>Short-term</b>	150.6	<b>153.1</b>	+2.5 (+66.2、△65.0)
<b>Commercial paper</b>	310.0	<b>460.0</b>	+150.0 (+150.0)
<b>Interest-bearing debt</b>	4,838.3	<b>4,936.9</b>	+98.5
<b>Interest rate (%) (as of fiscal year-end)</b>	0.45	<b>0.45</b>	△0.00

\*1 +(plus) in the bracket means financing, △(minus) in the bracket means repayment.

\*2 Change includes foreign exchange loss/gain and total in the bracket may not be congruent.

# Actual supply and demand (Sending end)

(GWh)	FY 3/2022-1Q	Composition ratio	FY 3/2023-1Q	Composition ratio	Change
<b>Hydro</b>	4,328	21%	<b>4,005</b>	<b>21%</b>	△323
<b>Thermal</b>	10,028	49%	<b>11,510</b>	<b>59%</b>	+1,481
<b>Nuclear</b>	6,016	30%	<b>3,968</b>	<b>20%</b>	△2,048
<b>Renewable energy</b>	5	0%	<b>5</b>	<b>0%</b>	△0
<b>KEPCO Total</b>	20,377	100%	<b>19,487</b>	<b>100%</b>	△890
<b>Other-utility companies</b>	3,656		<b>7,179</b>		+3,522
<b>Captive use by hydropower</b>	△422		<b>△596</b>		△175
<b>Total</b>	23,612		<b>26,069</b>		+2,457

\*1 Some rounding errors may be observed.

\*2 Actual supply and demand to KEPCO in energy business

# Maintenance costs and depreciation in comparison with the previous term

## <KEPCO>

(billion yen)	FY 3/2022-1Q	FY 3/2023-1Q	Change	Breakdown	
<b>Maintenance costs</b>	17.6	<b>15.3</b>	△2.3	Nuclear	△8.5
				Hydro	△0.3
				Thermal	+6.6
<b>Depreciation</b>	26.3	<b>27.9</b>	+1.5	Nuclear	+0.6
				General	+0.5

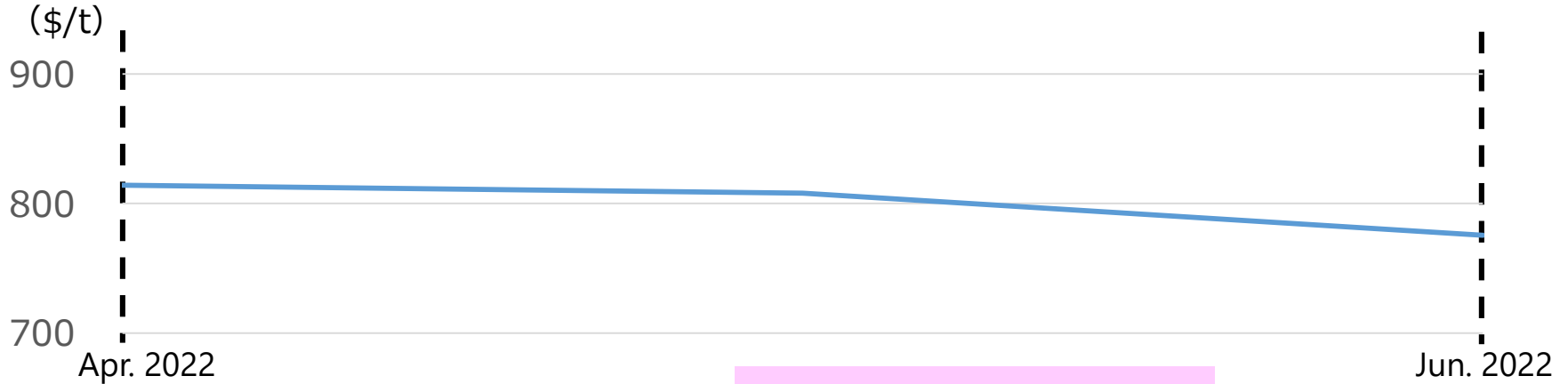
## <Kansai Transmission and Distribution, Inc.>

(billion yen)	FY 3/2022-1Q	FY 3/2023-1Q	Change	Breakdown	
<b>Maintenance costs</b>	25.3	<b>26.4</b>	+1.1	Transformation	△0.2
				Distribution	+1.3
<b>Depreciation</b>	26.4	<b>28.0</b>	+1.6	Transmission	+0.4
				Transformation	+0.3
				Distribution	+0.4
				General	+0.3

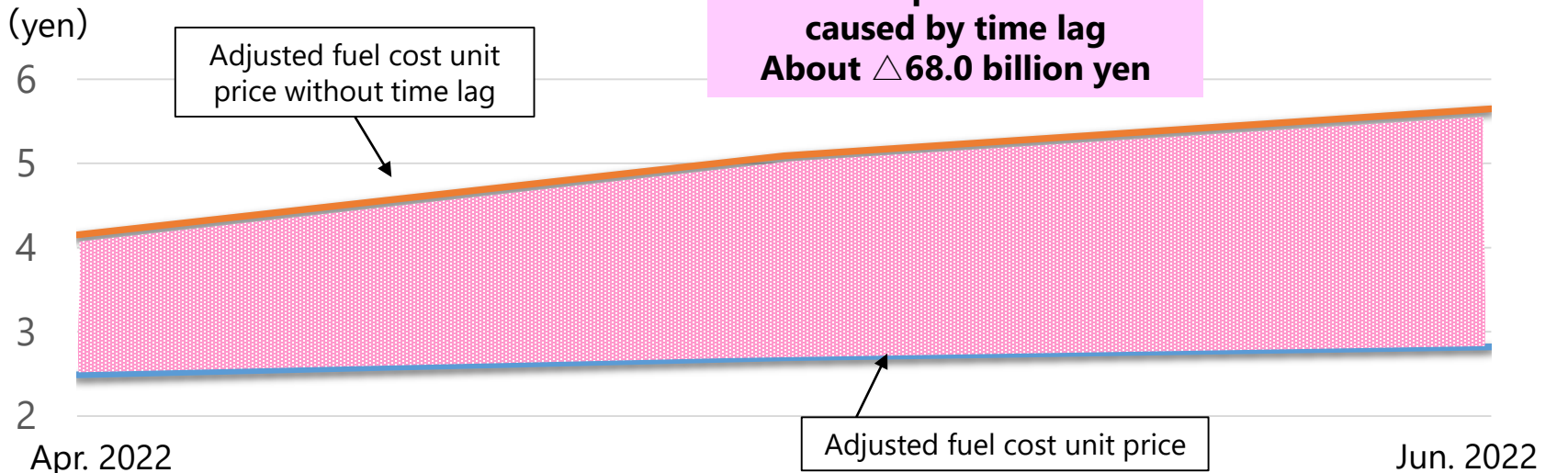
# Time lag from the fuel cost adjustment system

- The fuel cost adjustment system is a mechanism utilized to reflect, in the electricity rates, the impact of fluctuations in the exchange rate and the market price of fuel on thermal fuel costs.
- Fluctuations in fuel prices of each month are reflected in fuel cost adjustment unit price 3–5 months later. This generates a gap (time lag) between the fluctuations in fuel prices and the timing of reflecting them in fuel cost adjustment unit price.

【Fuel price (Japan LNG (CIF))】

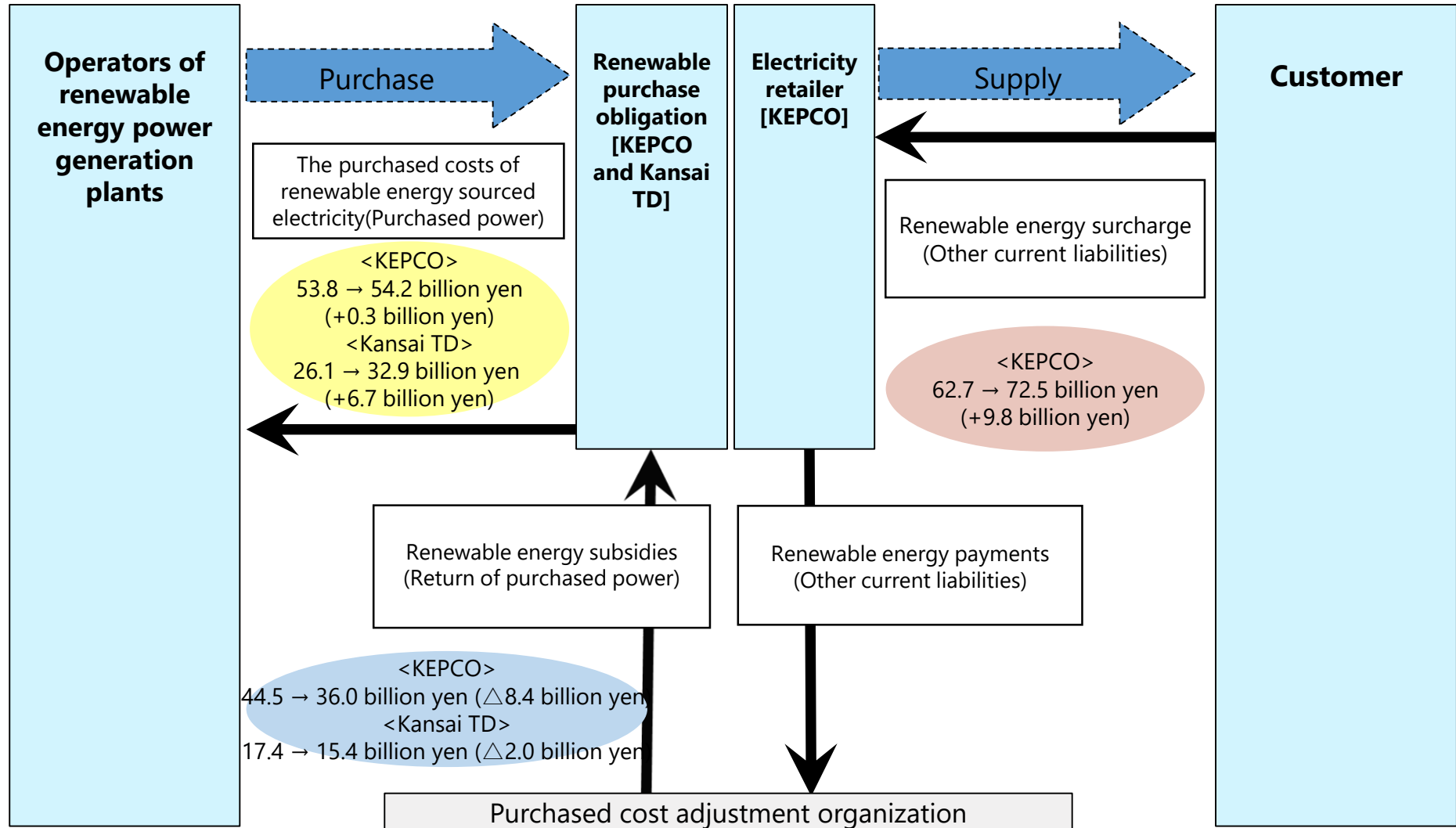


【Time lag from the fuel cost adjustment system】



\*The above-mentioned time lag indicates time gap on the income front in each accounting period, and differs from the income and expenditure effect calculated based on actual thermal power fuel cost etc.

# Framework of feed-in tariff scheme for renewable energy



\*1 FY 1Q of ending 3/2022 → FY 1Q of ending 3/2023 (changes from the previous term)

\*2 Difference between purchased costs of renewable energy sourced electricity and renewable energy subsidies is avoidable costs.

\*3 "Law for partial amendment to the Act on Special Measures Concerning Procurement of Electricity from Renewable Energy Sources by Electricity Utilities (Feed-in Tariff) and other laws" (enforced April 1, 2017) stipulates that, regarding contracts of purchase on and after April 1, 2017, the definition of businesses obliged to purchase electricity was changed to general electricity transmission and distribution businesses and others.

# Associated companies

(Consolidated Subsidiaries and Affiliates accounted for by equity method)

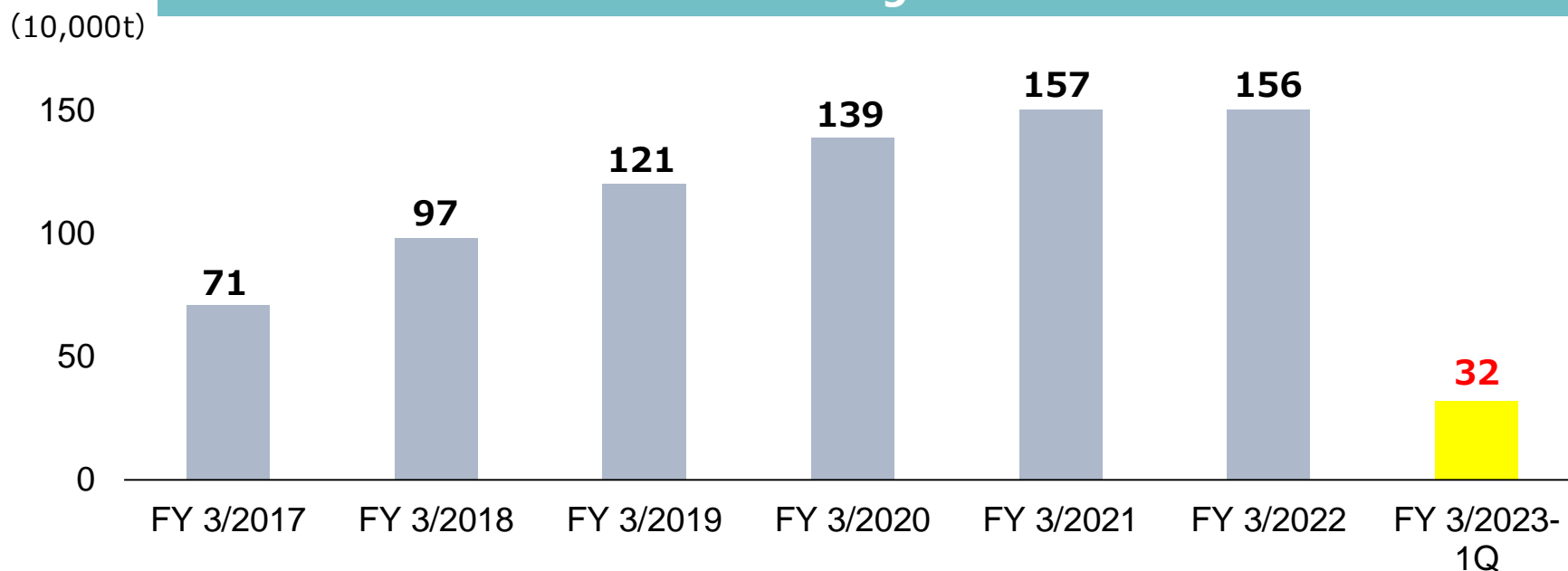
Energy		Transmission and Distribution	IT/Communications	Life/Business Solution
<p>(Consolidated Subsidiaries)</p> <ul style="list-style-type: none"> <li>•Kanden Energy Solution Co., Inc.</li> <li>•Fukui City Gas</li> <li>•Echizen Eneline Co., Inc.</li> <li>•Nihon Network Support Co., Ltd.</li> <li>•Kanden Plant Corporation</li> <li>•Aioi Bioenergy Corporation</li> <li>•NEWJEC Inc.</li> <li>•Institute of Nuclear Safety System, Inc.</li> <li>•Next Power Company</li> <li>•KANSO CO., LTD.</li> <li>•Kanden E-House Co., Ltd.</li> <li>•Kanden Power-Tech Corp.</li> <li>•Sakai LNG Co., Inc.</li> <li>•NUCLEAR ENGINEERING, Ltd.</li> <li>•The Kurobe George Railway Co., Ltd.</li> <li>•Dshift Inc.</li> <li>•Kanden Gas Support Co., Inc.</li> <li>•Osaka Bioenergy Co., Ltd.</li> <li>•KE Fuel International Co., Ltd.</li> <li>•KPIC Netherlands B.V.</li> <li>•LNG SAKURA Shipping Corporation</li> <li>•LNG FUKUROKUJU Shipping Corporation</li> <li>•LNG JUROJIN Shipping Corporation</li> <li>•Biopower Kanda G.K.</li> </ul>	<ul style="list-style-type: none"> <li>•Oita Usuki Wind-power generation G.K.</li> <li>•Wakayama Taiyoko G.K.</li> <li>•KPRE G.K.</li> <li>•Kansai Electric Power Holdings Australia Pty Ltd</li> <li>•KPIC USA, LLC</li> <li>•Kansai Electric Power Australia Pty Ltd</li> <li>•Kansai Sojitz Enrichment Investing S.A.S.</li> <li>•PT. Kansai Electric Power Indonesia</li> <li>•Kansai Energy Solutions (Thailand) Co., Ltd.</li> <li>•KANSAI ENERGY SOLUTIONS (VIETNAM) CO., LTD.</li> <li>•KE Fuel Trading Singapore Pte Ltd.</li> </ul> <p style="text-align: right;">etc. <b>Total:47</b></p> <p>(Affiliates accounted for by equity method)</p> <ul style="list-style-type: none"> <li>•Japan Nuclear Fuel Limited</li> <li>•Kinden Corporation</li> <li>•Enegate Co., Ltd</li> <li>•San Roque Power Corporation</li> </ul> <p style="text-align: right;">etc. <b>Total:9</b></p>	<p>(Consolidated Subsidiaries)</p> <ul style="list-style-type: none"> <li>•Kansai Transmission and Distribution, Inc.</li> <li>•Kanden Engineering Corporation</li> <li>•The Kanden Service Co., Ltd.</li> </ul> <p style="text-align: right;"><b>Total:3</b></p>	<p>(Consolidated Subsidiaries)</p> <ul style="list-style-type: none"> <li>•OPTAGE Inc.</li> <li>•Kanden Systems Co., Ltd.</li> <li>•K4 Digital Co., Ltd.</li> </ul> <p style="text-align: right;">etc. <b>Total:8</b></p>	<p>(Consolidated Subsidiaries)</p> <ul style="list-style-type: none"> <li>•Kanden Realty &amp; Development Co., Ltd.</li> <li>•Clearpass Co., Ltd.</li> <li>•KANDEN Security of Society, Inc.</li> <li>•KANSAI Medical Net Co, Inc.</li> <li>•KANDEN L-Heart Co., Inc.</li> <li>•Kanden Facilities Co., Ltd.</li> <li>•Kansai Electron Beam Co., Ltd.</li> <li>•Kanden Joinus Co.,LTD</li> <li>•Pont des Tech Co.,LTD</li> <li>•Gekidaniino G.K.</li> <li>•Kanden CS Forum Inc.</li> <li>•Kanden Office Work Co., Ltd.</li> <li>•The Kanden L&amp;A Co., Ltd.</li> <li>•KANDEN AMENIX Corp.</li> <li>•K4 Ventures</li> <li>•Kaiko Yukinoya G.K. etc.</li> </ul> <p style="text-align: right;"><b>Total:33</b></p>

\* As of Jun. 30, 2022



- We have expanded consistently our gas business by promoting total energy services that combine electricity and gas to our customers.
- 1Q of FY 3/2023 results show 0.2 billion yen decrease in income and 1.0 billion yen deficit in comparison with the same period a year ago.
- The gas sales volume results 320,000 t, increasing 50,000 t in comparison with the previous term.

## Trends of actual gas sales volume



## Profit and loss for gas business, gas sales, etc. in 1Q of FY ending 3/2023

(billion yen)	FY3/2022-1Q	FY3/2023-1Q	Change
Operating revenues	25.5	<b>44.3</b>	+18.7
Operating expenses	26.3	<b>45.3</b>	+18.9
Operating income	△0.7	△ <b>1.0</b>	△0.2

(10,000 t)	FY3/2022-1Q	FY3/2023-1Q	Change
gas sales volume	27	<b>32</b>	+5

• Number of contracts for Kanden gas as of Jun. 30, 2022 :approx. 1.59 million

# Outline of International Business

- We endeavor to promote energy businesses overseas that contribute to decarbonization, and provide customers with solutions that relate to their energy usage, as well as to aim to improve profitability by making good use of business know-hows and networks we have built to date.  
Total output by KEPCO's investment: Approx. 2,880 MW. Of which, total investment amount to 17 projects in operation is approx. 200.0 billion yen. (Approx. 28% collected by dividends, etc.)

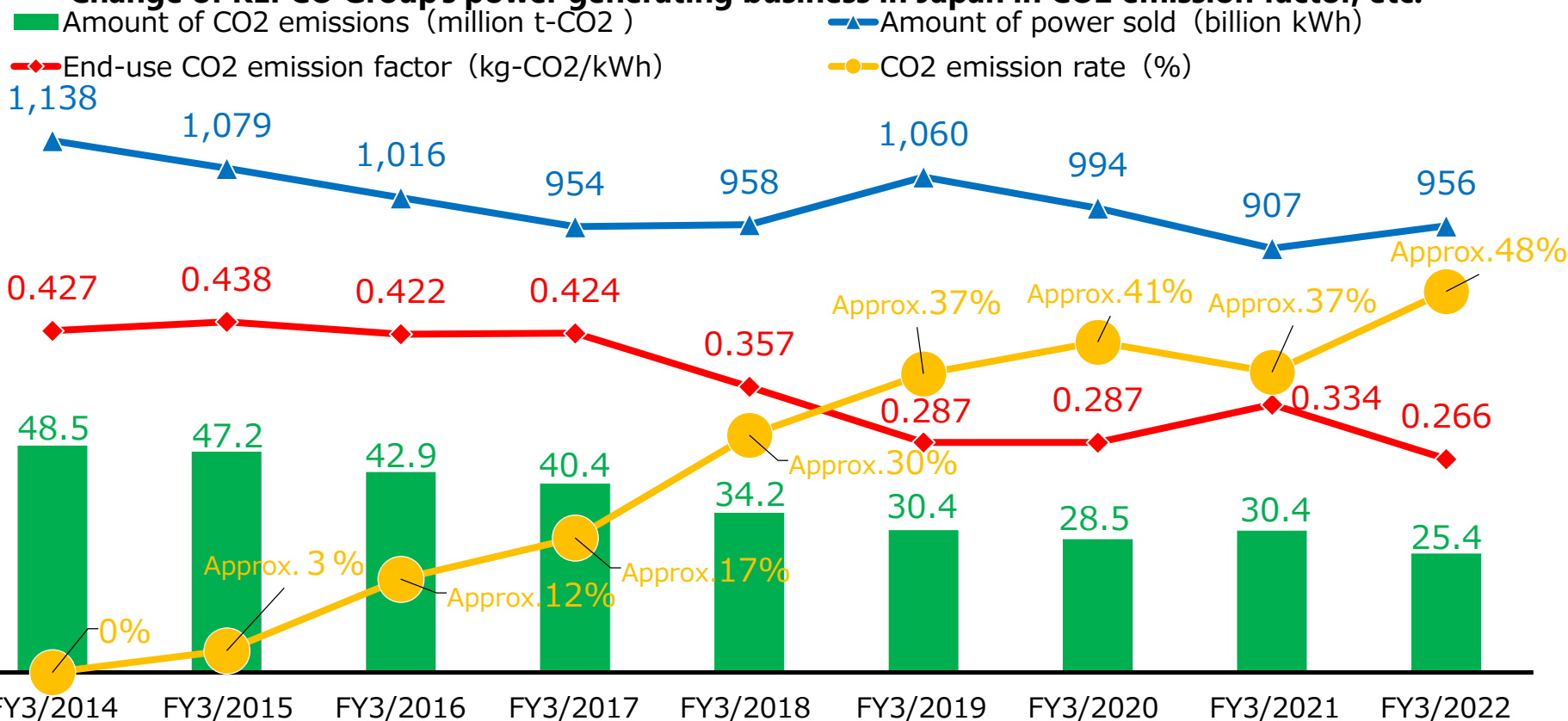
Project Title		Start of operation, etc.(schedule)	Total output (MW)	KEPCO's investment(%)	Output by KEPCO's investment (MW-equivalent)*2	
In operation	Philippines	San Roque Hydropower	2003/05	435	50	218
	Taiwan	Ming Jian Hydropower	2007/09	17	24	4
		Kuo Kuang Thermal Power	2003/11	480	20	96
	Singapore	Senoko Thermal Power	Established 1995/10	2,807	15	421
	Australia	Bluewaters Thermal power	2009/12	459	50.01	230
	US	West Deptford Thermal power	2014/11	768	17.5	134
	Ireland	Evalair Limited Onshore Wind Power Project	2013/12 other	223	24	54
	Indonesia	Rajamandala Hydropower	2019/5	47	49	23
	Laos	Nam Ngiep Hydropower	2019/9	290	45	131
	UK	Electricity North West Limited	Joined 2019/7	—	22.04	—
	Philippines	Power Distribution and Retail Sales in New Clark City	2019/11	—	9	—
	US	Hickory-Run Thermal power	2020/5	1,000	30	300
		Aviator Onshore Wind Farm Project	2020/9	525	48.5	255
	Indonesia	Medco-Kansai Joint Venture Firepower	Joined 2021/4	202	36	73
	UK	Triton Knoll Offshore Wind Power Project	2022/4	857	16	137
Moray East Offshore Windfarm project		2022/4	953	10.02	95	
Finland	Piiparinmäki Onshore wind farm project	2022/6	211	15	32	
Under construction	Indonesia	Tanjung Jati B Thermal Power	Scheduled 2022	2,140	25	535
	Finland	Arrayarvi Onshore Wind Power Project	Scheduled 2023	221	49	108
	Germany	Borkum Riffgrund 3 Offshore Wind Farm Project	Scheduled 2025	900*3	3.5	34
Under development	US	St. Joseph Phase II Thermal power	Scheduled 2023	Approx. 710	20	—
	UK•Germany	NeuConnect Interconnector	Scheduled 2028	—	18.3	—

\*1 237.7 billion yen for international business investments is recorded to the consolidated balance sheet as of Jun. 30, 2022, including the eliminations by using the equity method.

\*2 Some rounding errors may be observed. \*3 sending end output

- In the KEPCO Group's medium-term management plan, we, as the leading company of "low carbon initiatives", set a goal of keeping the number-one position as a CO2-free electric power producer in Japan and reducing CO2 emissions from our power generating business in Japan in FY 3/2026 to half that of FY 3/2014. (The goal has been accelerated by five years.)
- In FY 3/2022, we finished No.1 in Japan in zero-carbon electricity generation, and we reduced CO2 emissions from the power generating business by approximate 48% compared to our performance level in FY 3/2014.




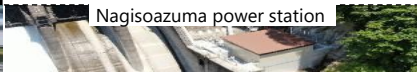
## Change of KEPCO Group's power generating business in Japan in CO2 emission factor, etc.



- , we, as the leading company of "low carbon initiatives", will aggressively pursue renewable energy development, with a focus on offshore wind power, which has great development potential, after strengthening our development promotion system.
- The development goal is to invest 1 trillion yen in Japan by 2040, aiming for 5 million kW of new development and 9 million kW of cumulative development.

## ○ Domestic power stations

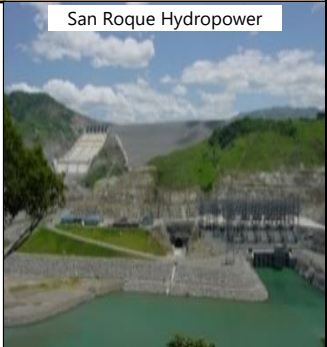

- Power stations in operation (completed): approx. 3,664 MW; power stations before operation: approx. 256 MW; Total: approx. 3,920 MW (as of July. 29, 2022)

	Solar Power	Wind Power	Biomass Power	Hydro Power
Power source capacity of power stations in operation	Approx. 145MW	Approx. 18MW	Approx. 137MW	Approx. 3,364 MW
CO <sub>2</sub> emission reduction*	Approx. 50,000 t/year	Approx. 15,000 t/year	Approx. 230,000 t/year	Approx. 5,300,000 t/year
Main power stations in operation	• Sakai Solar Power Station • Shizukuishi Solar Power Station etc.	• Awaji Wind Power • Tahara No.4 Wind Power Station	• Kanda Power Station • Fukushima Iwaki Biomass Power Station	• Nagatono power station (Upgraded) • Nagisoazuma power station etc.
Power stations before operation	• Banshu Mega Solar Power Plant • Power Plant for corporate PPA	• Akita Noshiro offshore wind power station • Oita-Usuki Wind Farm Project (temporary name) etc.	• Aioi Biomass Power Station (fuel conversion)	• Shin-Sakagami power station • Shin-Utsubo power station etc.
				

\* CO<sub>2</sub> emissions are calculated based on our CO<sub>2</sub> emission coefficient in operation power scale in FY 3/2022 with the national average coefficient 0.433kg-CO<sub>2</sub>/kWh in FY 3/2021.

## ○ Overseas power stations

- Power stations in operation (completed): approx. 949 MW; power stations before operation: approx. 142 MW; Total: approx. 1,091 MW (as of July. 29, 2022)

	Hydro Power	Wind Power
Power source capacity of power stations in operation	Approx. 376MW	Approx. 541MW
CO <sub>2</sub> emission reduction	Approx. 590,000 t/year	Approx. 400,000 t/year
Main power stations in operation	• San Roque Hydropower (Philippines) • Ming Jian Hydropower (Taiwan) • Rajamandala Hydropower (Indonesia) • Nam Ngiep Hydropower (Laos)	• Evalair Limited (Ireland) • Aviator Onshore Wind Farm Project (US) • Triton Knoll Wind Power Project (UK) • Moray East Offshore Windfarm Project (UK) • Piiparinmäki wind farm project (Finland)
Power stations before operation	—	• Arrayarvi Onshore Wind Power Project (Finland) • Borkum Riffgrund 3 Offshore Wind Farm Project (Germany)
		

## For further information

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Financial forecasts are subject to change depending upon the changes of business environments and other conditions.