



FY2023 1Q Financial Results **ended June, 2023**

July 27, 2023



- ◆ Consolidated FY2023 1Q saw a YoY rise in both sales and profits, driven by an increase in city gas unit price due to resource costs adjustment, etc.
- ◆ Our consolidated forecast for FY2023 anticipates lower sales but higher profits versus the previous forecast. Factors include: a drop in Energy Solutions sales stemming from a decrease in city gas unit price due to resource costs adjustment; a fall in Overseas sales due to a decrease in unit sales prices; and profit on sales of investment securities.
- ◆ Work is still underway to divest the five subsidiaries (four projects) of our Australian subsidiary Tokyo Gas Australia Pty Ltd through a transfer of shares to MidOcean Energy Holdings Pty Ltd, a subsidiary of the US-based EIG Global Energy Partners, LLC. The impacts of this transfer are not included in the consolidated 1Q results and consolidated FY2023 forecast.



01

FY2023

Consolidated Financial Results

ended June, 2023

FY2023 1Q Consolidated Results Sales, Interest, etc. (Apr. 1, 2023 –June 30, 2023)

Highlights: Sales UP, Profit Up

(+/- indicate impact on profit, billion yen)

Net sales	+39.7	Increase in city gas unit price due to resource costs adjustment, etc.
Operating expenses	+2.0	Decrease in resource costs due to decrease in city gas and electricity sales volume, etc.
Operating profit	+41.7	Increase in gross margin from the change in city gas unit prices due to the impact from economic framework assumptions, etc.
Extraordinary profit/loss	+2.4	FY2023 2.4: (Extraordinary gain) Gain on sales of investment securities 2.4 FY2022 0

(Unit: billion yen)

	FY2023 1Q	FY2022 1Q	Change	%
City gas sales volume (million m3, 45MJ)	2,466	2,857	-391	-13.7
Electricity sales volume (million kWh)	5,262	7,429	-2,167	-29.2
Net sales	649.6	609.9	39.7	6.5
Operating expenses	556.7	558.7	-2.0	-0.4
Operating profit	92.9	51.2	41.7	81.6
Segment profit (operating profit + equity income of subsidiaries)	94.6	52.5	42.1	80.0
Ordinary profit ⁽¹⁾	107.2	57.7	49.5	85.9
Extraordinary profit/loss	2.4	0	2.4	—
Profit attributable to owners of parent	77.6	38.4	39.2	102.1
Temperature effect ⁽²⁾	-2.0	0.2	-2.2	—
(Adjustment items) Sliding effect ⁽³⁾ (city gas + LNG sales)	49.7 (43.3+6.4)	21.5 (19.1+2.4)	28.2 (24.2+4.0)	—
Amortization of actuarial differences ⁽⁴⁾	0.5	-1.0	1.5	
Adjusted ordinary profit (1)-((2)+(3)+(4))	59.0	37.0	22.0	59.5

Economic framework	FY2023 1Q	FY2022 1Q
Exchange rate (¥/\$)	137.49 (+7.76)	129.73
Crude oil price (\$/bbl)	83.99 (-26.66)	110.65
Avg. air temp (°C)	19.5 (+0.5)	19.0

Pension assets	FY2023 1Q (as of June 30, 2023)
Investment yield (costs deducted)	0.82%
Year-end assets (billion yen)	243.0

<Expected annual rate of return: 2%>

FY2023 1Q Results: Sales and Operating Profit/Loss by Business Segments

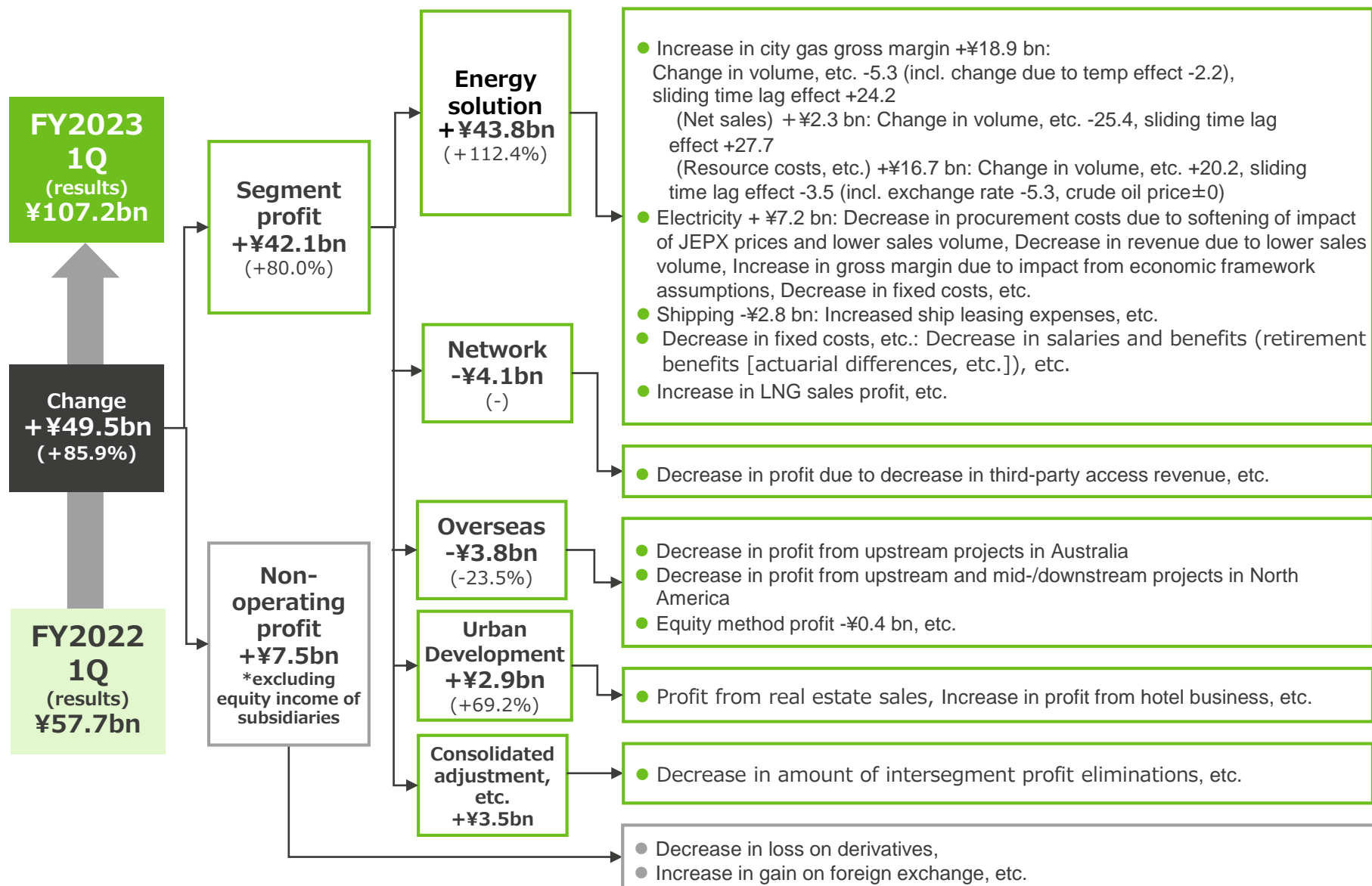
	Net sales*4				Segment Profit(Operating profit + Equity income/loss of subsidiaries)			
	FY2023 1Q Results	FY2022 1Q Results	Change	%	FY2023 1Q Results	FY2022 1Q Results	Change	%
Energy solution*1 (including equity income of subsidiaries)	584.5	558.6	25.9	4.6	82.6	38.8	43.8	112.4
City gas*2	385.0	331.9	53.1	16.0	67.1	28.6	38.5	134.2
Electric Power	142.7	153.2	-10.5	-6.9	11.2	4.0	7.2	177.8
Network	84.1	88.6	-4.5	-5.1	-1.8	2.3	-4.1	—
Overseas business	31.5	35.0	-3.5	-10.0	12.2	16.0	-3.8	-23.5
(equity income of subsidiaries)	—	—	—	—	0.7	1.1	-0.4	-36.8
Urban Development (including equity income of subsidiaries)	18.8	14.9	3.9	25.5	6.9	4.0	2.9	69.2
Adjustment*3	-69.3	-87.3	18.0	—	-5.2	-8.7	3.5	—
Consolidated	649.6	609.9	39.7	6.5	94.6	52.5	42.1	80.0
(equity income of subsidiaries)	—	—	—	—	-1.6	1.3	0.3	20.2

*1 Includes city gas (excl. Network), LPG, industrial gas, LNG sales, trading, electric power, engineering solutions, gas equipment, construction, and shipping, among others.

*2 Includes city gas (excl. Network), LNG sales, and trading.

*3 Adjustments in segment profits include mainly corporate expenses not allocated to the segments.

*4 Segment sales include internal transactions made between business units.



* +/- indicate contributions to profit.

FY2023 1Q Consolidated Gas Sales Volume/ Number of Customers vs. FY2022 1Q



City Gas sales volume:

-391mil.m³ (-13.7%)
including temperature effect
-41mil.m³, -1.4%

Residential -45mil.m³ (-6.8%)

Temperature effect -30 mil.m³
Number of days -6 mil.m³
Number of customers 4 mil.m³
Others -13 mil.m³

Commercial +30mil.m³ (+6.8%)

Temperature effect -10 mil.m³
Number of days ±0 mil.m³
Number of customers ±0mil.m³
Others +40 mil.m³

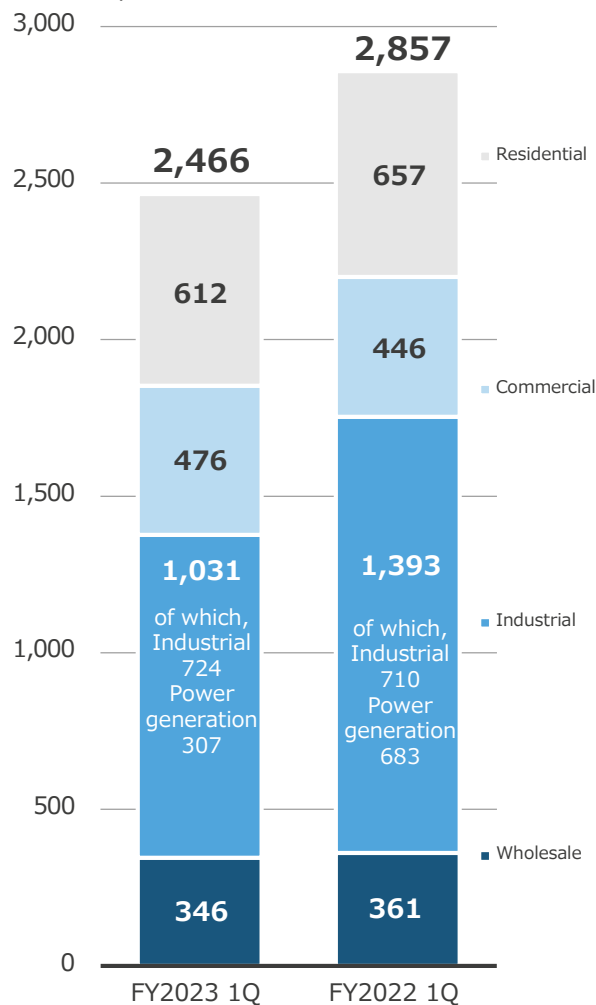
Industrial -362mil.m³ (-26.0%)

Industrial +14mil.m³
Power generation -376mil.m³

Wholesale -15mil.m³ (-3.9%)

Temperature effect -1 mil.m³
Others -14 mil.m³
Decrease in wholesale demand, etc.

(Unit : mil. m³)



Number of customers(City Gas), LNG sales volume, Average temperature

	FY2023 1Q	FY2022 1Q	Change
Number of customers for city gas retail sales (10 thousands) *1	874.9	868.9	+6.0 (+0.7%)
Number of customers (meters) (10 thousands, meter) *2	1,235.0	1,222.3	+12.7 (+1.0%)
LNG sales volume (thousands t)	631	316	+315 (+99.8%)
Average temperature (°C)	19.5	19.0	+0.5

*1. Number of billed customers for city gas retail sales

*2. Number of meters installed for gas supply

Gas Sales Volume , Gas volume used in-house (Unit : million m³)

	FY2023 1Q	FY2022 1Q	Change
City gas sales volume (financial accounting basis)	2,466	2,857	-391 (-13.7%)
Gas volume used in-house under tolling arrangement	478	539	-61 (-11.4%)
LNG sales volume (m ³ basis)	788	395	+393 (+99.8%)
Total	3,732	3,790	-58 (-1.5%)

*Each value is rounded.

Number of customers for city gas retail sales (Tokyo gas consolidated, 10thousands)

	2017.3	2018.3	2019.3	2020.3	2021.3	2022.3	2022.6	2022.9	2022.12	2023.3	2023.6
Number (Change)	1,026.9 (-)	1,020.9 (-6.0)	982.1 (-38.8)	912.9 (-69.2)	886.3 (-26.2)	868.8 (-17.5)	868.9 (+0.1)	867.2 (-1.7)	868.8 (+1.6)	870.1 (+1.3)	874.9 (+4.8)

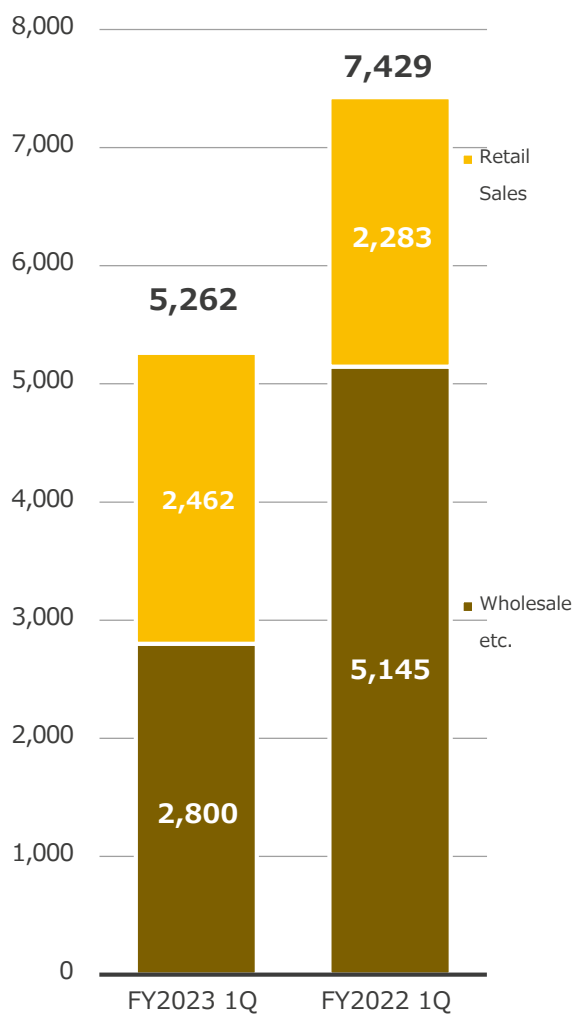
Full deregulation of the retail market (2017.04)

Electricity sales volume :

(Unit : mil. kWh)

**-2,167mil. kWh
(-29.2%)**

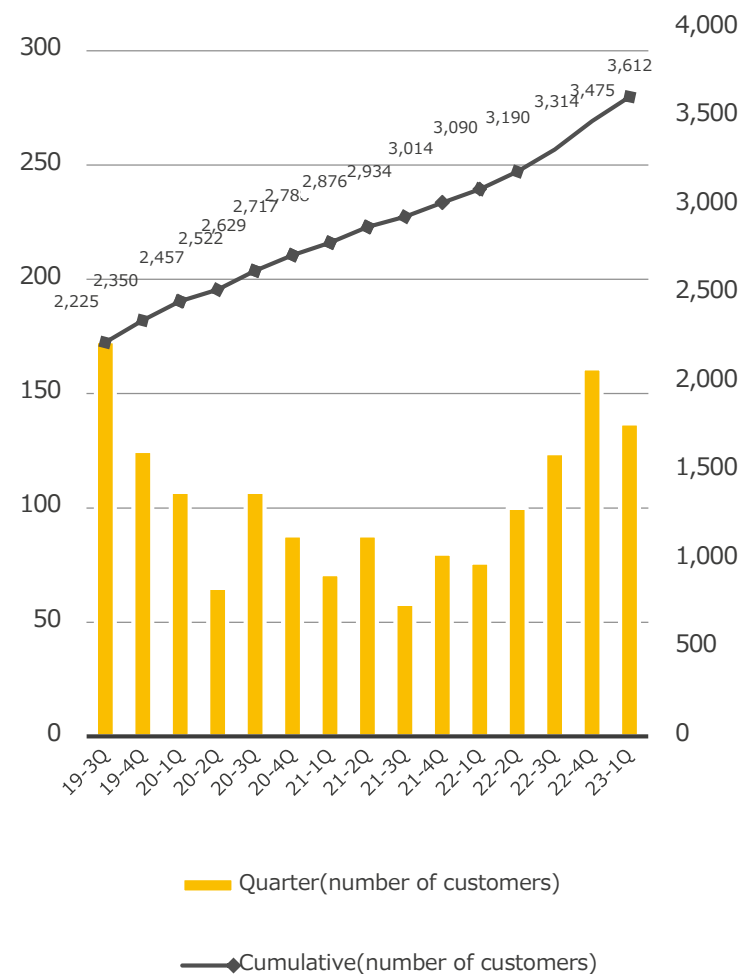
■ Retailing sales	+179 mil. kWh(+7.8%)
■ Wholesale etc.	-2,345 mil. kWh(-45.6%)



New electricity retail customers won by Tokyo Gas

Quarter (thousands)

Cumulative (thousands)



*Each value is rounded.



02

FY2023 Full Year Forecast

FY2023 Consolidated Forecast Sales, Interest, etc. (Apr. 1, 2023 – Mar. 31, 2024)

Highlights: Sales Down, Profit Up (vs. Previous Forecast)

(+/– indicate impact on profit, billion yen)

	vs. Previous Forecast	
Net sales	-205.0	Decrease in city gas unit price due to resource costs adjustment, Decrease in Overseas sales due to a decrease in unit sales prices, etc.
Operating expenses	+205.0	Impact from the decrease in crude oil prices, etc.
Operating profit	±0	
Extraordinary profit/loss	+2.4	Forecast 2.4: (Extraordinary profit) gain on sale of investment securities 2.4 Previous Forecast 0

(Unit: billion yen)

	Forecast	Previous Forecast	Change	%	FY2022 Result	Change	%
City gas sales volume (million m3, 45MJ)	11,905	12,009	-104	-0.9	12,574	-669	-5.3
Electricity sales volume (million kWh)	26,730	28,789	-2,059	-7.2	34,445	-7,715	-22.4
Net sales	2,692.0	2,897.0	-205.0	-7.1	3,289.6	-597.6	-18.2
Operating expenses	2,542.0	2,747.0	-205.0	-7.5	2,868.1	-326.1	-11.4
Operating profit	150.0	150.0	0	—	421.4	-271.4	-64.4
Segment profit (operating profit + equity income of subsidiaries)	154.8	154.8	0	—	417.0	-262.2	-62.9
Ordinary profit ⁽¹⁾	137.0	137.0	0	—	408.8	-271.8	-66.5
Extraordinary profit/loss	2.4	0	2.4	—	-1.3	3.7	—
Profit attributable to owners of parent	101.0	100.0	1.0	1.0	280.9	-179.9	-64.0
(Adjustment items)	Temperature effect ⁽²⁾	-2.0	0	-2.0	—	-4.3	2.3
	Sliding effect ⁽³⁾ (city gas + LNG sales)	60.0 (46.0+14.0)	39.3 (31.6+7.7)	20.7 (14.4+6.3)	—	210.8 (187.2+23.6)	-150.8 (-141.2+ -9.6)
	Amortization of actuarial differences ⁽⁴⁾	2.3	2.3	0	—	-4.4	6.7
Adjusted ordinary profit (1)-((2)+(3)+(4))		76.7	95.4	-18.7	-19.6	206.7	-130.0

Economic framework	Forecast	Previous forecast	FY2022 Results
Exchange rate (¥/\$)	135.62 (+5.62)	130.00	135.50
Crude oil price (\$/bbl)	81.00 (-9.00)	90.00	102.67
Avg. air temp (°C)	16.4 (+0.1)	16.3	16.8

*2Q~\$80.00/bbl, ¥135/\$

Pension assets		FY2022	FY2021	FY2020
Investment yield (costs deducted)		-1.90%	0.37%	4.94%
Discount rate	Annuity portion	0.809%	0.481%	0.318%
	Lump-sum portion	0.373%	0.192%	0.075%
Year-end assets (billion yen)		243.0	256.0	263.0

<Expected annual rate of return: 2%>

FY2023 Consolidated Forecast Assets, Cash Flows, etc.

vs. FY2022

11

(Unit: billion yen, balance sheet figures are as of the corresponding term-end)

	FY2023 Forecast	FY2022 Results	Reference
Total assets (a)	3,669.0	3,581.4	Increase in new capital expenditures, investments & financing, etc.
Shareholders' equity (b)	1,543.0	1,558.4	Decrease from share buyback, and dividends Shareholders' equity = Net assets – minority interests
Shareholders' equity ratio (b)/(a) Factoring in hybrid bonds/loans※1	42.1% 43.2%	43.5% 44.7%	
Interest-bearing debt (c) Hybrid bond/loan component	1,419.0 83.3	1,263.2 83.3	
D/E ratio (c)/(b) Factoring in hybrid bonds/loans※1	0.92 0.87	0.81 0.76	
Profit attributable to owners of parent (d)	101.0	280.9	
Profit per share (EPS, yen per share)	245.27	646.99	
Depreciation (e)	212.0	209.3	
Operating cash flow (f) =(d) + (e)	313.0	490.2	Net profit + Depreciation (including depreciation of long-term prepaid expenses)
Capital Expenditure	280.0	213.2	
Investments and Financing (after offset)	56.1	31.3	
Total(g)	336.1	244.6	
Free cash flow (f) + (g)	-23.1	245.5	
ROA (d)/(a)	2.8%	8.3%	Net profit / Total assets (average of the amounts as of the end of the previous period and end of the current period)
ROE (d)/(b)	6.5%	20.0%	Net profit / Shareholders' equity (average of the amounts as of the end of the previous period and end of the current period)
WACC	※2 2.6%	2.4%	
Total return ratio	Approx. 40%	50.3%	[FY-N dividends + FY-(N+1) treasury stock purchased] / FY-N consolidated net profit

*1 Based on expected equity credit ratio of 50% for issued hybrid bonds and hybrid loans.

*2 Items for WACC calculation (FY2023 forecast)

- Cost of interest-bearing debt : forecast interest rate (0.61%, after tax)
- Cost rate for shareholders' equity
- Risk free rate : 10-year JGB yield 0.69% • Market Risk premium : 6.5% • β : 0.67

FY2023 Investments (Capex , Investments and financing)

(Unit: billion yen)

12

		Forecast	Main Items	Previous Forecast	Change	%	FY2022 Results	Change	%
Capital Expenditure									
Energy solution		98.5		98.5	0	—	74.7	23.8	31.8
	City gas*1	48.7	Production facilities : 5.8 Other Production facilities, etc. Service and maintenance facilities : 42.9 System related, etc.	48.7	0	—	25.5	23.2	91.1
	Electric Power	21.5	Domestic renewable power etc.	21.5	0	—	23.9	-2.4	-10.1
Network		89.1	Distribution facilities: New demand development & stable supply-related, etc.	89.1	0	—	84.7	4.4	5.2
Overseas		76.7	Upstream (Australia, North America), Global renewable power etc.	76.7	0	—	30.4	46.3	152.2
Urban Development		21.9	Real estate leasing business, building renovations, etc.	21.9	0	—	24.5	-2.6	-10.8
Adjustment		-6.3		-6.3	0	—	-1.2	-5.1	—
Sub Total		280.0		280.0	0	—	213.2	66.8	31.3
Investments and Fainacing(before offset)									
Energy solution		52.2		52.2	0	—	42.4	9.8	23.1
	City gas	0.1		0	0.1	—	0	0.1	—
	Electric Power	1.5	Domestic renewable power etc.	0.4	1.1	275.0	33.3	-31.8	-95.4
Network		0		0	0	—	0	0	—
Overseas		4.5	Upstream (Australia), Mid/Downstream (Asia), Global renewable power etc.	4.5	0	—	1.8	2.7	150.0
Urban Development		0		0	0	—	2.2	-2.2	—
Sub Total		56.7		56.7	0	—	46.5	10.2	21.9
Capital Expenditure +Investments and Financing (before offset)		336.7		336.7	0	—	259.7	77.0	29.6

*1: Includes city gas and LNG sales/trading.

Reference: Breakdown of the Medium-Term Management Plan for FY 2023-2025

(Unit: billion yen)

	FY2023 Forecast	Main Items	Previous Forecast	FY2020-22 Results	FY2023-25 Plan
Growth investments	211.9	Overseas, Renewable power, Urban Development, etc.	211.9	475.8 Breakdown) portion for decarbonization related investments 195.9	650.0 Breakdown) portion for decarbonization related investments 230.0
Infrastructure investments	124.7	Distribution facilities, Service and maintenance facilities , etc.	124.7	361.2	350.0
Capital Expenditure +Investments and Financing (before offset)	336.7		336.7	837.1	1,000.0

FY2023 Full Year Forecast: Sales and Operating Profit/Loss by Business Segments

vs. Previous
Forecast

14

(unit : billion yen)

	Net sales*4				Segment Profit(Operating profit + Equity income/loss of subsidiaries)			
	FY2023 Forecast	Previous Forecast	Change	%	FY2023 Forecast	Previous Forecast	Change	%
Energy solution*1 (including equity income of subsidiaries)	2,405.4	2,592.5	-187.1	-7.2	134.3	120.8	13.5	11.2
City gas*2	1,431.1	1,502.6	-71.5	-4.8	93.6	77.9	15.7	20.2
Electric Power	652.2	766.7	-114.5	-14.9	20.2	22.4	-2.2	-10.0
Network	372.4	377.0	-4.6	-1.2	4.3	4.3	0	—
Overseas business	119.3	133.7	-14.4	-10.8	29.5	43.0	-13.5	-31.4
(equity income of subsidiaries)	—	—	—	—	3.1	3.1	0	—
Urban Development (including equity income of subsidiaries)	82.1	82.1	0	—	14.6	14.6	0	—
Adjustment*3	-287.2	-288.3	1.1	—	-27.9	-27.9	0	—
Consolidated	2,692.0	2,897.0	-205.0	-7.1	154.8	154.8	0	—
(equity income of subsidiaries)	—	—	—	—	4.8	4.8	0	—

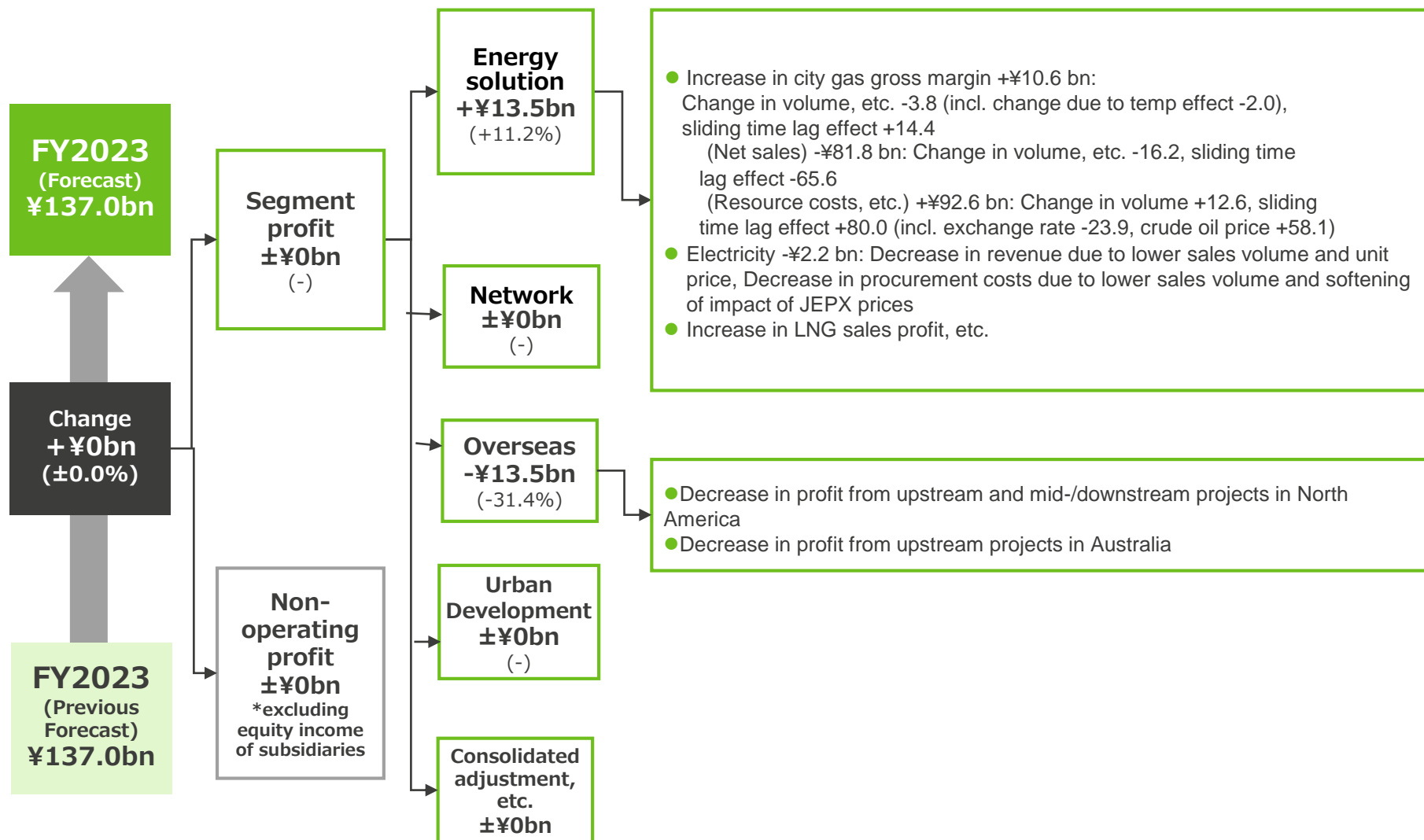
*1 Includes city gas (excl. Network), LPG, industrial gas, LNG sales, trading, electric power, engineering solutions, gas equipment, construction, and shipping, among others.

*2 Includes city gas (excl. Network), LNG sales, and trading.

*3 Adjustments in segment profits include mainly corporate expenses not allocated to the segments.

*4 Segment sales include internal transactions made between business units.

FY2023 Forecast: Ordinary Profit Analysis



*+/- indicate contributions to profit.

FY2023 Full Year Forecast: Sales and Operating Profit/Loss by Business Segments

	Net sales *4				Segment Profit(Operating profit + Equity income/loss of subsidiaries)			
	FY2023 Forecast	FY2022 Results	Change	%	FY2023 Forecast	FY2022 Results	Change	%
Energy solution *1 (including equity income of subsidiaries)	2,405.4	3,031.1	-625.7	-20.6	134.3	365.9	-231.6	-63.3
City gas*2	1,431.1	1,974.4	-543.3	-27.5	93.6	294.0	-200.4	-68.1
Electric Power	652.2	855.9	-203.7	-23.8	20.2	50.9	-30.7	-60.3
Network	372.4	370.3	2.1	0.5	4.3	-0.3	4.6	—
Overseas business	119.3	159.9	-40.6	-25.4	29.5	67.9	-38.4	-56.6
(equity income of subsidiaries)	—	—	—	—	3.1	-5.1	8.2	—
Urban Development (including equity income of subsidiaries)	82.1	62.6	19.5	31.0	14.6	15.1	-0.5	-3.8
Adjustment *3	-287.2	-334.5	47.3	—	-27.9	-31.7	3.8	—
Consolidated	2,692.0	3,289.6	-597.6	-18.2	154.8	417.0	-262.2	-62.9
(equity income of subsidiaries)	—	—	—	—	4.8	-4.4	9.2	—

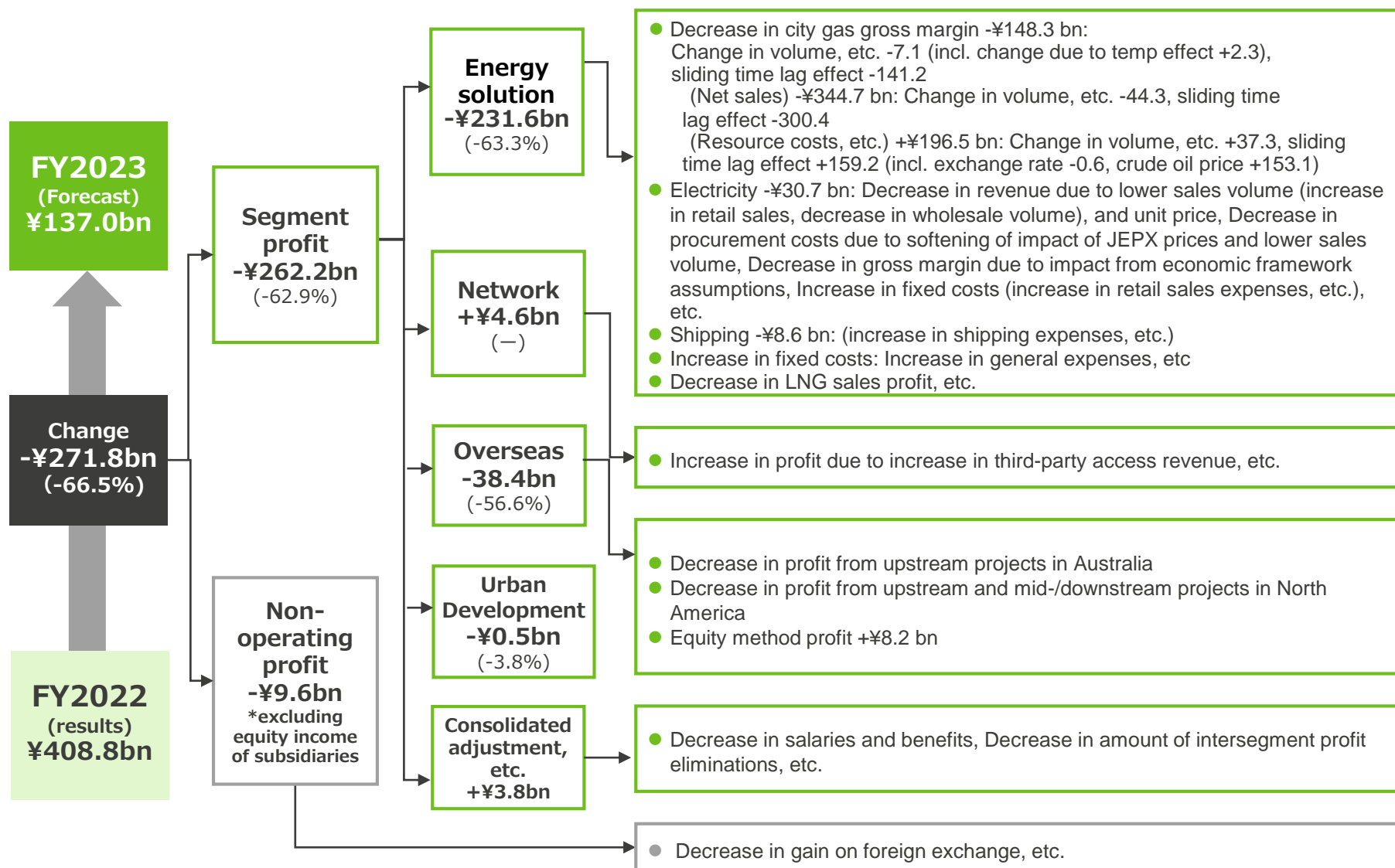
*1 Includes city gas (excl. Network), LPG, industrial gas, LNG sales, trading, electric power, engineering solutions, gas equipment, construction, credit, information processing service, and shipping, among others.

*2 Includes city gas (excl. Network), LNG sales, and trading.

*3 Adjustments in segment profits include mainly corporate expenses not allocated to the segments

*4 Segment sales include internal transactions made between business units.

FY2023 Forecast: Ordinary Profit Analysis



*+/- indicate contributions to profit.

City Gas sales volume:

VS. Previous Forecast

-104mil.m³ (-0.9%)including temperature effect
-40mil.m³, -0.3%Residential -25mil.m³ (-0.8%)Others -79mil.m³ (-0.9%)

VS. FY2022 Results

-669mil.m³ (-5.3%)including temperature effect
+27mil.m³, +0.2%Residential +162mil.m³ (+5.8%)Others -831mil.m³ (-8.5%)(Unit : mil. m³)

15,000

10,000

5,000

0

11,905 12,009 12,574

2,964

2,989

2,802

8,941

9,020

5,932

of which, Industrial 2,942 Power generation 2,990

1,616

Residential

Commercial

Industrial

Wholesale

FY2023 forecast

Previous Forecast

FY2022 results

Number of customers(City Gas), LNG sales volume, Average temperature

	Forecast	Previous Forecast	Change	FY2022 Results	Change
Number of customers (meters) (10 thousands, meter) *1	1,246.4	1,246.4	0.0	1,233.1	+13.3 (+1.1%)
LNG sales volume (thousands t)	1,807	1,628	+179 (+11.0%)	1,625	+182 (+11.2%)
Average temperature (°C)	16.4	16.3	+0.1	16.8	-0.4

*1. Number of meters installed for gas supply

Gas Sales Volume , Gas volume used in-house (Unit : million m³)

	Forecast	Previous Forecast	Change	FY2022 Results	Change
City gas sales volume (financial accounting basis)	11,905	12,009	-104 (-0.9%)	12,574	-699 (-5.3%)
Gas volume used in-house under tolling arrangement	2,997	3,074	-77 (-2.5%)	2,787	+210 (+7.5%)
LNG sales volume (m ³ basis)	2,259	2,034	+225 (+11.0%)	2,031	+228 (+11.2%)
Total	17,161	17,118	+43 (+0.3%)	17,392	-231 (-1.3%)

*Each value is rounded.

Electricity sales volume :

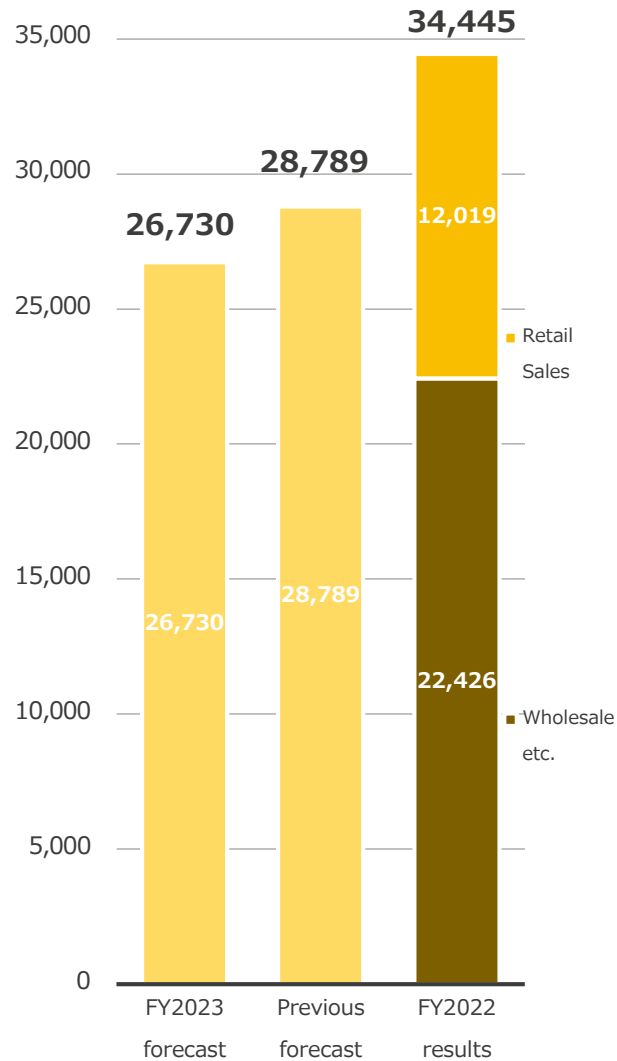
VS. Previous Forecast

**-2,059mil. kWh
(-7.2%)**

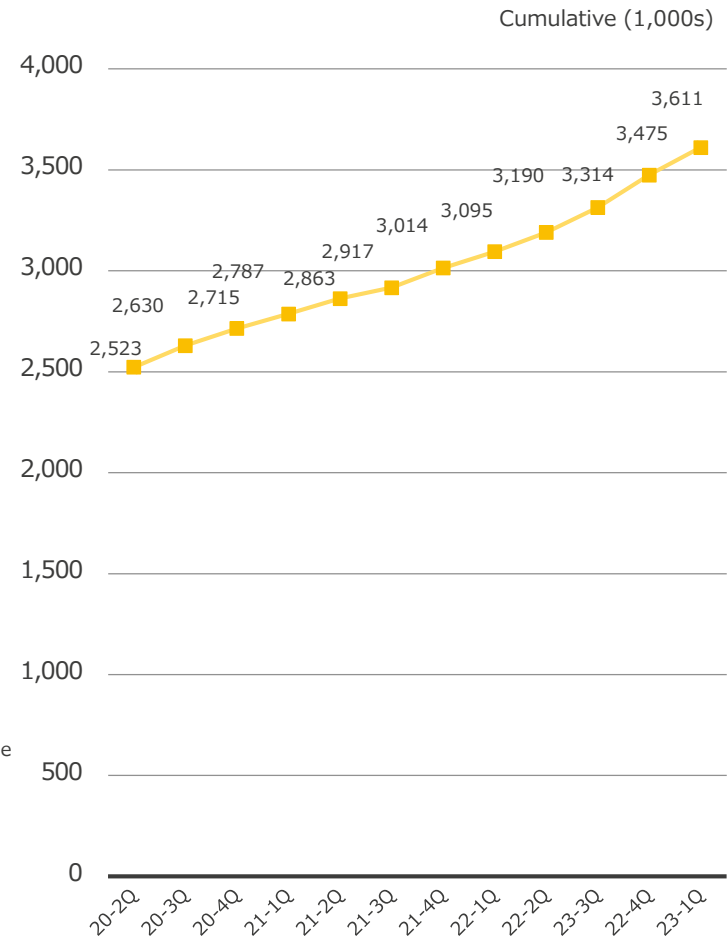
VS. FY2022 Results

**-7,715mil. kWh
(-22.4%)**

(Unit : mil. kWh)

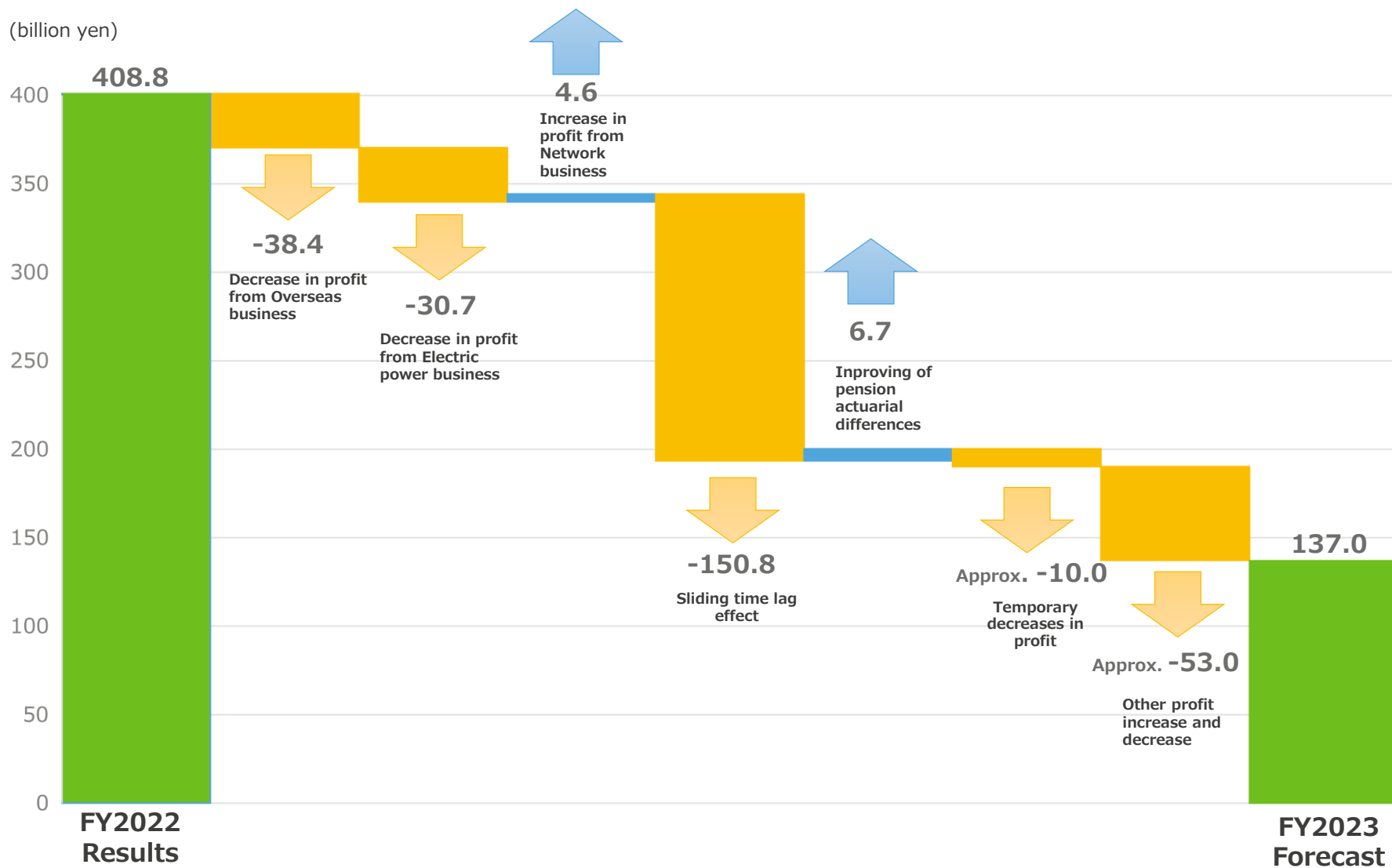


New electricity retail customers won by Tokyo Gas



*Each value is rounded.

Factors for Changes from FY2022 Ordinary profit





03

Reference Materials

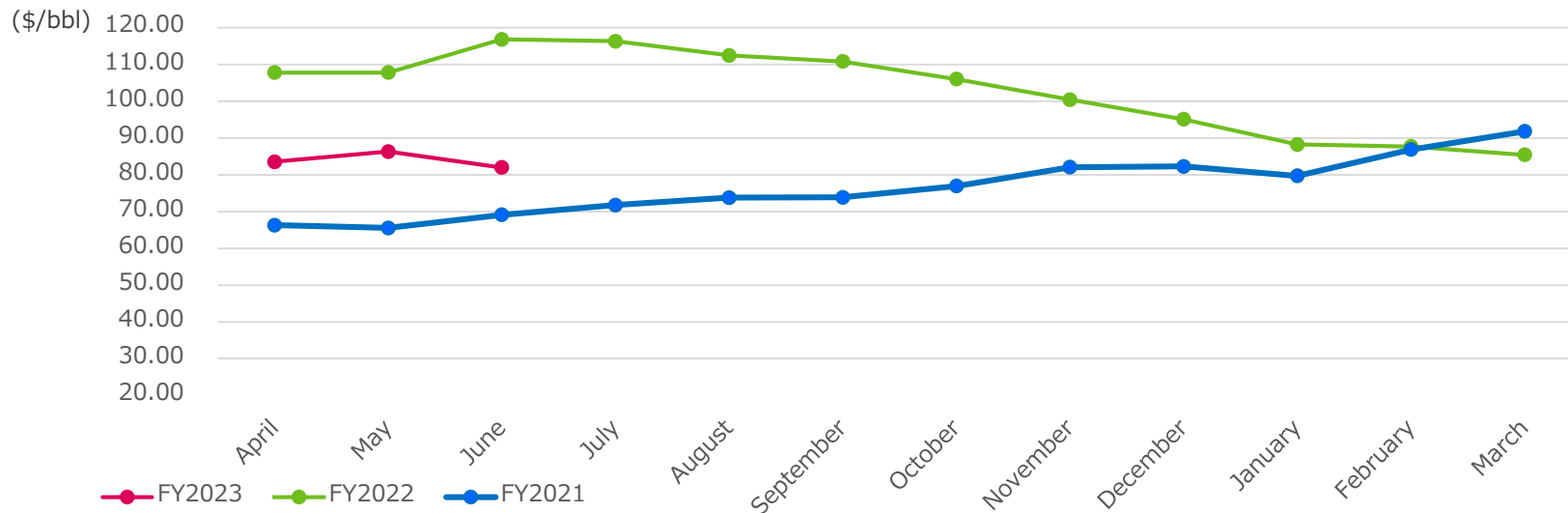
Impact of rising JCC (Japan Crude Cocktail Prices) by \$1/bbl

		Impact on earnings				(Unit: billion yen)
		2Q	3Q	4Q	Full year	
Period	2Q	-0.1	-0.7	+1.0	+0.2	
	3Q	—	-0.1	-1.0	-1.1	
	4Q	—	—	-0.2	-0.2	
	Full year	-0.1	-0.8	-0.2	-1.1	

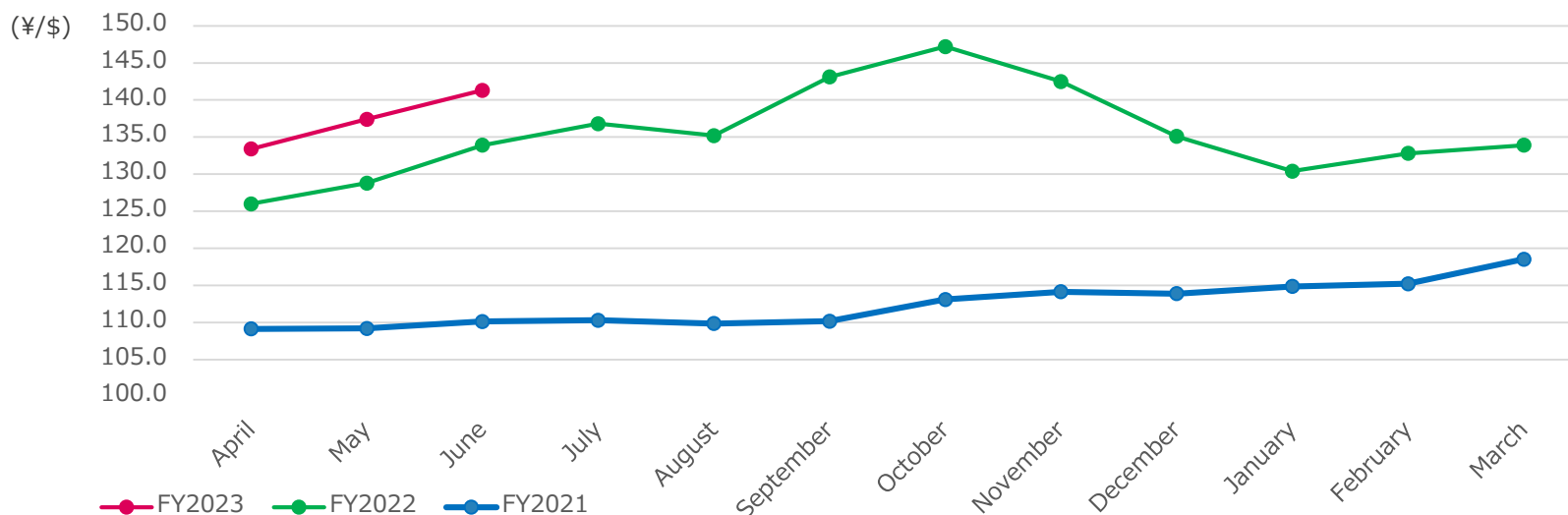
Impact of depreciation of the yen by ¥1/\$

		Impact on earnings				(Unit: billion yen)
		2Q	3Q	4Q	Full year	
Period	2Q	-0.6	+0.5	+0.3	+0.2	
	3Q	—	-0.7	+0.6	-0.1	
	4Q	—	—	-1.0	-1.0	
	Full year	-0.6	-0.2	-0.1	-0.9	

Crude oil price (Japan Crude Cocktail Prices)



Exchange rate



Key Topics in FY2023 1 Q (Excerpted from Press Releases)

Below are key initiatives of the 3 core strategies of the FY2023-2025 Medium-term Management Plan, which are based on our material issues. The strategies are: “**Achieve both stable energy supply & decarbonization**,” “**Fully roll out Solutions business**,” and “**Realize a flexible corporate culture resilient to change**”

< material issues >

Society/Customers



Responsibly transitioning to a decarbonized society



Protecting the global environment



Securing stable energy supply



Enhancing safety & disaster prevention, resilient regional development



Contributing to well-being of people and communities

Tokyo Gas Group (Us)



Realizing an organization that embraces diverse talent



Respecting human rights across the entire value chain

< 3 core strategies >

1 Achieve both stable energy supply & decarbonization


























Actively commit resources to GX (renewables, e-methane, etc.) while maximizing the diverse value of LNG


2 Fully roll out Solutions business

Use digital technologies to expand Solutions business on our platform of real-world strengths, and establish a revenue model

3 Realize a flexible corporate culture resilient to change

Use digital technologies to reform back-office operations. Exercise human capital management

FY2023-2025 Medium-term Management Plan: Initiatives for the 3 core strategies		Material issues		
Achieve both stable energy supply & decarbonization	Carbon-negative concrete used at Motomachi Elementary School in Yokohama (Apr. 13)			
	Joint acquisition of solar power generation business in Okayama and Hyogo prefectures (Apr. 14)			
	Tokyo Gas Network and French gas pipeline operator GRDF establish mutual cooperation agreement for developing gas pipeline business (May 9)* ¹			
	Tokyo Gas Group's implementation of retail supply business for offsite corporate PPA (May 30)			
Fully roll out Solutions business	Acquisition of real estate asset management company and entry into private REIT business (Apr. 3)* ²			
	Signing of comprehensive partnership agreement for sustainable urban development in Aikawa Town (Apr. 14)			
	Action for further reduction of energy consumption and CO ₂ emissions at Amu Plaza Kagoshima (Apr. 27)* ³			
	Launch of Charge Planner service for supporting businesses and local governments seeking to introduce electric vehicles (May 10)			
	Summer Energy Saving Campaign 2023 demand response service (May 15)			
	Launch of Mirai Hopuratto, web media service for supporting post-retirement lifestyles (June 20)			
	Cross-industry effort to strengthen operating system of Kurashino Sasukatsu, starting with Summer 2023 campaign (June 23)			

FY2023-2025 Medium-term Management Plan: Initiatives for the 3 core strategies		Material issues		
Fully roll out Solutions business	Signing of comprehensive partnership agreement for realizing carbon neutrality in Ota City (June 28)			
	Signing of comprehensive partnership agreement for decarbonized urban development in Sakado City (June 28)			
Realize a flexible corporate culture resilient to change	Notification of Resolution to Acquire of Treasury Shares (Apr. 26)	-		
	Nihon L'Oreal and Tokyo Gas Real Estate reach agreement on promoting building development that uses construction materials upcycled from scrapped cosmetic products (May 24)* ²			
	Notice of Shares Buyback (Progress Report) (June 7)	-		
	Tokyo Gas selected for "Noteworthy DX Companies 2023" (June 1)			

*1 Press releases issued by Tokyo Gas Network

*2 Press releases issued by Tokyo Gas Real Estate

*3 Press releases issued by Tokyo Gas Engineering Solutions

Key Topics in FY2023 1 Q (Excerpted from Press Releases)

One of the three core strategies of the FY2023-2025 Medium-term Management Plan is **Achieve both stable energy supply & decarbonization**. Here is a look at a key initiative for advancing that strategy.

Tokyo Gas and its partners have developed Japan's first practical carbon-negative concrete that absorbs and fixes CO₂ emitted during the use of city gas equipment (boilers). This technology is able to fix CO₂, similar to CCS (carbon capture & storage) technologies. Going forward, the Tokyo Gas Group will support customers by not only continuing to ensure the stable supply of energy, but also reducing carbon emissions through sophisticated use of CO₂, advancing the decarbonization of gas and electricity, and leveraging its expertise in emissions reduction to develop a steady stream of new solutions.



**Responsibly
transitioning to a
decarbonized society**



**Contributing to well-
being of people and
communities**

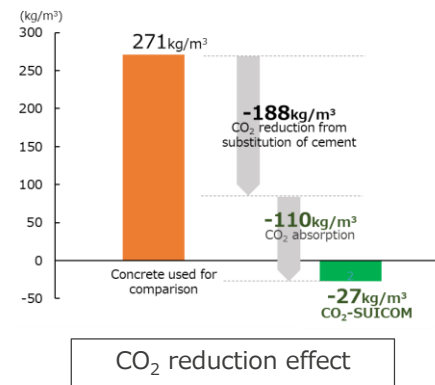
Carbon-negative concrete used at Motomachi Elementary School in Yokohama

Translation of April 13,
2023 press release

Tokyo Gas Co., Ltd. (hereinafter, "Tokyo Gas"), KAJIMA CORPORATION (hereinafter, "Kajima"), NIPPON CONCRETE INDUSTRIES CO., LTD. (hereinafter, "Nippon Concrete"), and the City of Yokohama have used CO₂-SUICOM[®] *¹ (hereinafter, "the product") for some of the foundation blocks of a solar power generation facility at Motomachi Elementary School in Yokohama. The product is a carbon-negative concrete block whose manufacturing process involves absorption and fixation of CO₂ contained in low concentrations in gas emissions from the use of city gas equipment. This action is part of the Project for Introducing Renewable Energy at Municipal Facilities,*² which was commissioned to Tokyo Gas by the City of Yokohama. The product is manufactured by Tokyo Gas, Kajima, and Nippon Concrete, and is Japan's first*³ such product to be developed in a practical form.

The product is a foundation block made of unreinforced precast concrete.*⁴ After the concrete is cast at a Nippon Concrete plant, it goes to a Tokyo Gas facility for absorption and fixation of CO₂ that is sourced from city gas equipment emissions while maintaining the exhaust heat and moisture at proper levels. Adding in the contribution of reduced cement use, the product lowers the amount of CO₂ emissions associated with foundation blocks made from general concrete*⁵ by 298 kg/m³*⁶ and achieves a carbon-negative*⁷ result of -27 kg/m³ (m³ = cubic meter of foundation block).

Tokyo Gas, Kajima, and Nippon Concrete plan to continue pursuing development efforts aimed at realizing mass production of the product and lowering its cost.



CO₂-SUICOM blocks supporting
solar panels at Motomachi
Elementary School in Yokohama

*1: CO₂-SUICOM[®] is made of CO₂-absorbing concrete developed by The Chugoku Electric Power Co., Inc., KAJIMA, Denka Company Limited, and LANDES Co., Ltd. It reduces the amount of cement normally used by more than half by substituting it with γ-C2S (a special admixture made using by-products) and industrial by-products such as blast furnace slag. The concrete also fixes CO₂ during the manufacturing process. Because of these features, the concrete's CO₂ emissions level falls below net-zero. Tokyo Gas and Kajima have commenced manufacture of CO₂-SUICOM[®] that uses CO₂ emitted by city gas equipment operation (announced on July 7, 2021).

*2: PPA-based project launched in FY2021 to install solar power generation equipment at elementary and junior high schools (PPA project).

<https://www.city.yokohama.lg.jp/city-info/koho-kocho/press/ondan/2020/210317press.files/0317press.pdf>

*3: According to a survey by Tokyo Gas, Kajima, and Nippon Concrete.

*4: Concrete produced in advance at a plant and used for applications such as solar power generation equipment foundation blocks and interlocking blocks, etc.

*5: Calculated for regular concrete mixed according to JIS Q 13315-4.

*6: Total of CO₂ reduction from substitution of cement and CO₂ absorbed by the product. The CO₂ reduction from substitution of cement was calculated based on the concrete used in the project. The CO₂ fixation value was derived through analysis that was based on previous research and used the TG-DTA system.

*7: A state in which the amount of CO₂ absorbed is more than the amount of CO₂ released into the atmosphere.





Area	No	Country	Subject	Main Business	Participation year
North America	①	U.S.A	Eagle Ford	Upstream Shale gas	2016
			TG Natural Resources	Upstream Shale gas	2017
			TGES America	Downstream Energy Service	2015
			Birdsboro Power Plant	Downstream Natural gas power	2017
			Aktina	Downstream Solar power	2020
			Acario Ventures	Other Open Innovation	2017
	②	Mexico	Bajio	Downstream Natural gas power	2004
			Heolios EnTG	Downstream Renewable venture(Solar・wind power generation)	2019
Southeast Asia	③	Malaysia	GAS MALASIA Bhd.	Downstream City gas	1992
			GAS MALASIA ENERGY ADVANCE Sdn.Bhd.	Downstream Energy Service	2014
	④	Thailand	Bang bo	Downstream Natural gas power	2016
			GWHAMT	Downstream Gas Supply	2018
			One Bangkok	Downstream District Cooling Solutions and power distribution	2020
	⑤	Vietnam	PVGD	Downstream CNG Supply	2017
	⑥	Indonesia	PRA	Downstream Gas Supply, Transfer	2017
			Super Energy	Downstream Gas Supply, Transfer	2020
Oceania	⑧	Australia	FGEN LNG	Downstream Construction, operation and maintenance of the LNG terminal	2020
			Darwin	Upstream Production, liquefaction and sales of LNG	2003
			Pluto	Upstream Production, liquefaction and sales of LNG	2008
			Gorgon	Upstream Production, liquefaction and sales of LNG	2009
			Queensland Curtis	Upstream Production, liquefaction and sales of LNG	2011
			Ichthys	Upstream Production, liquefaction and sales of LNG	2012
Europe	⑨	Denmark	TOWII Renewables	Downstream Onshore wind power	2022



< Cautionary Statement regarding Forward-looking Statements >

Statements made in this presentation with respect to Tokyo Gas's present plans, forecasts, strategies and beliefs, and other statements herein that are not expressions of historical fact are forward-looking statements about the future performance of the Company. As such, they are based on management's assumptions and opinions stemming from currently available information and therefore involve risks and uncertainties.

The Company's actual performance may greatly differ from these projections, due to these risks and uncertainties which include without limitation general economic conditions in Japan, crude oil prices, the weather, changes in the foreign exchange rate of the yen, rapid technological innovations and the Company's responses to the progress of deregulation.