

FY2022 1H Financial Results

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Highlights of Financial Results

Highlights of Financial Results (Actual)

FY2022 1H Actual (Apr.—Sep. Cumulative Total)

- Inventory Valuation: Significant increase YoY due mainly to a rise in oil prices and the weak yen (+¥109.0bn)
- Operating Income : Decrease in profits YoY due to a significant decline in energy segment profits (¬¥52.0bn) excl. Inventory valuation
 - ✓ Energy segment : Decrease of ¥76.3bn in profits YoY
 - Despite the high level of fuel oil margins, mainly in exporting, profits declined significantly due mainly to a rise in fuel cost owing to higher oil prices, deterioration of naphtha / petrochemical market conditions and an increase in electricity procurement cost.
 - Furthermore, there was high number of refinery troubles in the previous year, however the recovery in refinery operations was limited. (>>> see page 5 for details)
 - ✓ Oil and Natural Gas E&P and Metals Segments : Increase in profits due mainly to the weak yen

(¥bn)	1H21	Changes	1H22			
Operating Income	337.8	+57.0	394.8	ľ	Main Index	
ı "	337.0	107.0	394.0		1H21	1H22
Inventory Valuation	169.2	+109.0	278.2	Exchange rate ¥/\$	110	134
Net Income Attributable to owners of the parent	211.4	+37.4	248.8	Crude Oil (Dubai) \$ / B	69	102
				Copper Price (LME) ¢/Ib	433	392
Operating Income Excl. inventory valuation	168.6	_52.0	116.6	Apr Jun. Actual	Difference J	ul. – Sep. Actual
Energy	27.3	<u>-76.3</u>	-49.0 <<	39.3	[-127.6]	-88.3
Oil and Natural Gas E&P	38.8	+21.6	60.4	39.3	JulSep. ① Time-la	9
Metals	78.7	+2.3	81.0	AprJun.		ation of petrochemical/
Other	23.8	+0.4	24.2	2	3 Improve margins	ment in clean fuel , etc.

Highlights of Financial Results (Forecast)

FY2022 Forecast (Apr. 2022 - Mar. 2023)

- Operating Income: Upward revision due to the expected increase in inventory valuation due to the weak yen (vs. the May forecast +¥220.0bn)
- Operating Income excl. inventory valuation No change from the May forecast
 - ✓ Energy Segment : Downward revision of ¥20.0bn
 - Based on the severe financial results in the 1H, after factoring in the recovery of refinery operations owing to the reduction of troubles in the 2H and profit improvement measures, the current forecast vs. the May forecast remains at −¥20.0bn.
 - ✓ Oil and Natural Gas E&P Segment : Upward revision of +¥20.0bn (Improvement due to a rise in resource prices and the weak yen)
 - ✓ Metals Segment : No change from the May forecast (Deterioration due to a fall in copper prices vs. improvement owing to the weak yen)

	(¥bn)	May Forecast	Changes	Current Forecast	Main Index May Forecast Current Forecast
	Operating Income	340.0	<u>+220.0</u>	560.0	Full-Year 2H Full-Year 2H
-	Inventory Valuation	0.0	+220.0	220.0	Exchange rate ¥/\$ 120 120 137 140
	Net Income Attributable to owners of the parent	170.0	+160.0	330.0	Crude Oil (Dubai) \$ / B 90 90 96 90 Copper Price (LME) \$ / Ib 420 410 366 340
	Operating Income Excl. inventory valuation	340.0	<pre> ±0.0 </pre>	340.0	1H Actual Difference 2H Plan
	Energy	90.0	-20.0	70.0	-49.0 <u>+168.0</u> 119.0
	Oil and Natural Gas E&F	70.0	+20.0	90.0	In addition to the recovery of refinery operations, ✓ Electric power business implemented reviews
	Metals	130.0	±0.0	130.0	of unprofitable contracts, etc. (The ceiling price of the fuel cost adjustment system was abolished from Nov. 1.
	Other	50.0	±0.0 J	50.0	(system was abolished from Nov. 1.✓ Considering asset sales (partly factored in the plan)

For Stable Refinery Operation

Factor analysis & Action plan

· · · Developing and Executing trouble reduction measures from FY2021

Analyze equipment failure factors (Cross company-wide / all refineries project)

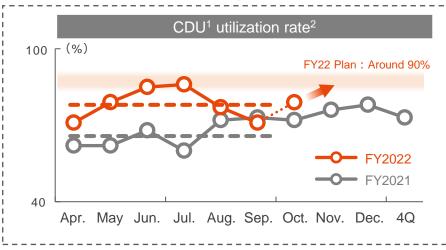


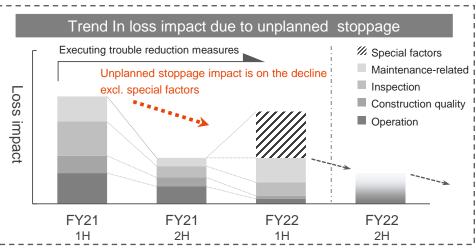


Formulate and execute trouble reduction measures

Status and effectiveness of countermeasures in the 1H

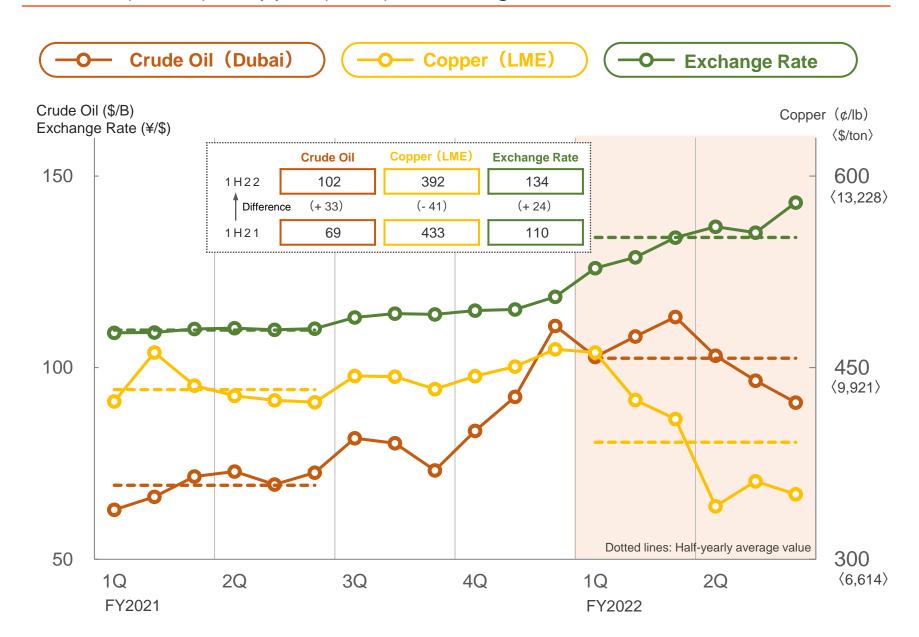
- Several troubles caused by special factors with large impacts occurred mainly in 2Q in 1H22 (e.g. recurrence of defects caused by emergency repaired parts during earthquake shutdowns).
 - → Countermeasures have already been implemented (expansion of the scope of repairs, etc.).
- Operation / construction quality troubles(excl. special factors) have been reduced through execution of trouble reduction measures.
- Inspection troubles are improving. For some troubles, it will take time to realize the improvements, but priority is being given to equipment having large operational impacts, and these measures are being implemented ahead of schedule.
- Maintenance-related troubles have not yet reached a sufficient level of improvement, thus steady efforts continue
 - Reviewing the priorities of key equipment, accelerating enhancement of cooperation between operation and maintenance, reinforcement of response personnel / organization, etc.
- The entire company will work together to achieve the planned level of operations as soon as possible, and restore the earning power of base businesses



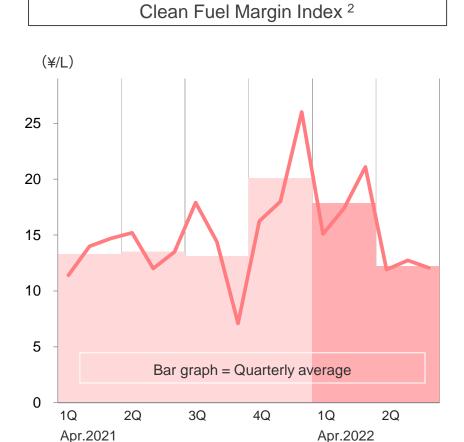


Business Environment

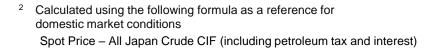
Crude Oil (Dubai), Copper (LME), Exchange Rate



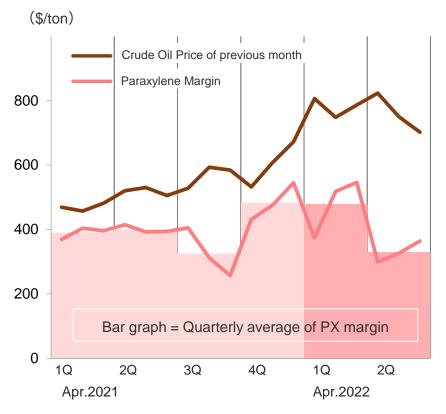
Clean Fuel¹ and Paraxylene Margin Indexes



¹ Clean fuel: gasoline, kerosene, diesel fuel and fuel oil A



Paraxylene Margin Index³



Calculated using the following formula as a reference for Asian market conditions

ACP (Asian Contract Price) – Crude Oil Price of previous month If ACP is undecided, average spot market price is used.

Note: The indexes above are different from our margins (Our selling price – Our cost)

Financial Results for FY2022 1H (April 1, 2022 – September 30, 2022)

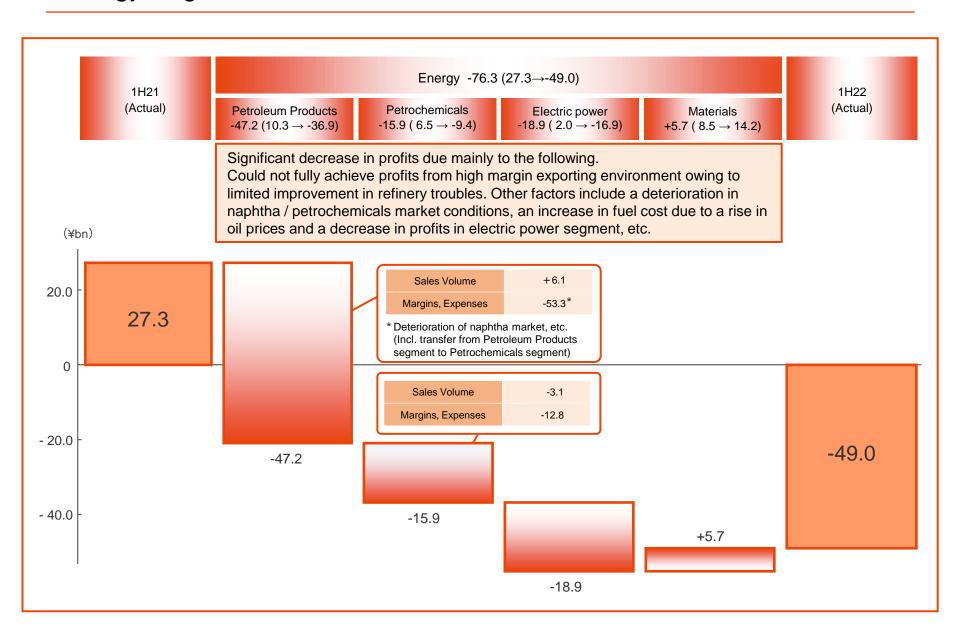
Overview of 1H22 Financial Results vs 1H21

■ Index		1H21 (Actual)		1H22 (Actual)	Differend	Difference	
Crude Oil (Dubai)	(\$/B)	69		102	+33	+48%	
Copper (LME)	(¢/lb)	433		392	-41	-9%	
Exchange Rate	(¥/\$)	110		134	+24	+22%	
Profit and Loss Staten	nent		۰				
Net Sales	(¥bn)	4,731.4		7,394.0	+2,662.6	+56%	
Operating Income	(¥bn)	337.8		394.8	+57.0	+17%	
Inventory Valuation	(¥bn)	169.2		278.2	+109.0	+64%	
Operating Income Excl. Inventory Valuation	(¥bn)	168.6		116.6	-52.0	-31%	
Income before tax	(¥bn)	328.2		397.7	+69.5	+21%	
Profit attributable to owners of the parent	(¥bn)	211.4		248.8	+37.4	+18%	

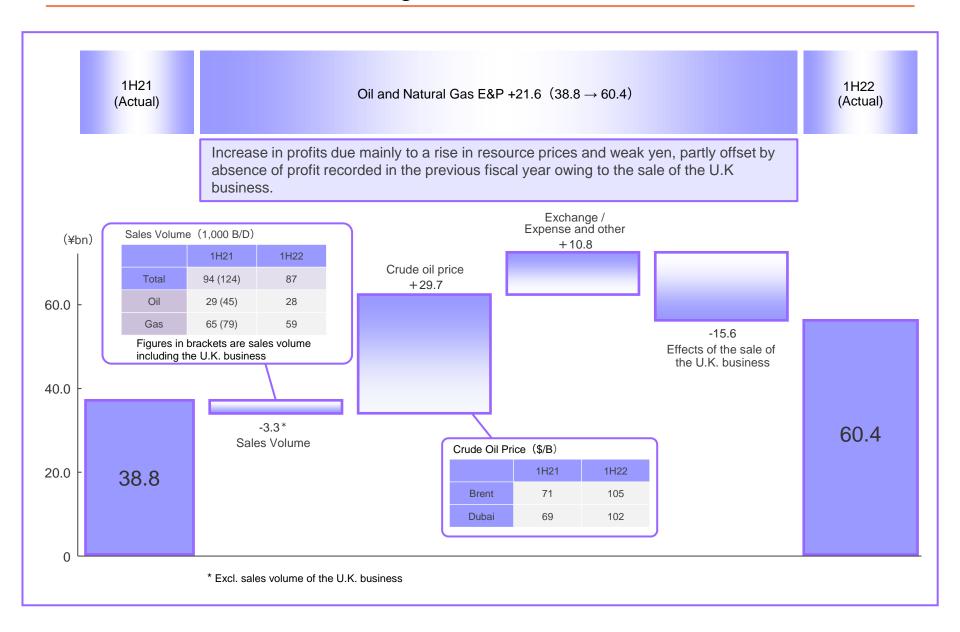
Changes in Operating Income by Segment vs 1H21

(¥bn)				1H21 (Actual)	1H22 (Actual)	Differe	nce
	Tota Ex	xcl. İ	perating Income nventory Valuation	168.6	116.6	-52.0	-31%
	Ene			196.5	229.2	+32.7	+17%
		Inve	entory Valuation	169.2	278.2	+109.0	+64%
		Exc	l. Inventory Valuation	27.3	-49.0	-76.3	_
			Petroleum Products	10.3	-36.9	-47.2	_
			Petrochemicals	6.5	-9.4	-15.9	_
, ,			Electric Power	2.0	-16.9	-18.9	_
Seg			Materials	8.5	14.2	+5.7	+67%
m e n	Oil	and N	Natural Gas E&P	38.8	60.4	+21.6	+56%
s t s	Met	tals		78.7	81.0	+2.3	+3%
			Functional Matls, Thin Film Matls and other	27.4	40.6	+13.2	+48%
			Mineral Resources	29.2	11.4	-17.8	-61%
			Smelting and Recycling	20.0	24.0	+4.0	+20%
			Non-allocated corporate expenses and other	2.1	5.0	+2.9	+138%
	Oth	er		23.8	24.2	+0.4	+2%

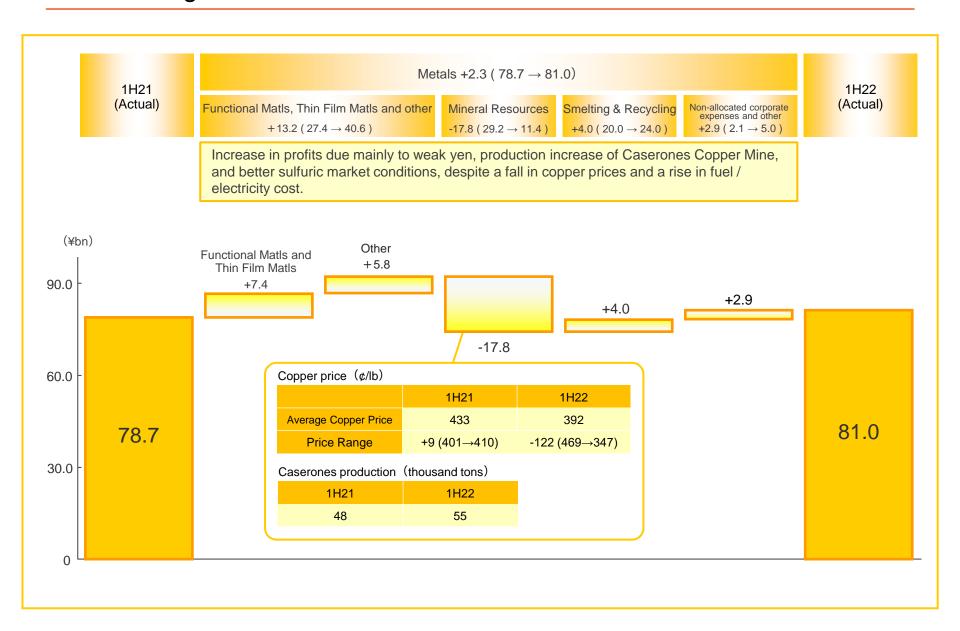
- Energy Segment - Changes in Operating Income excl. inventory valuation effects vs 1H21



- Oil and Natural Gas E&P Segment - Changes in Operating Income vs 1H21

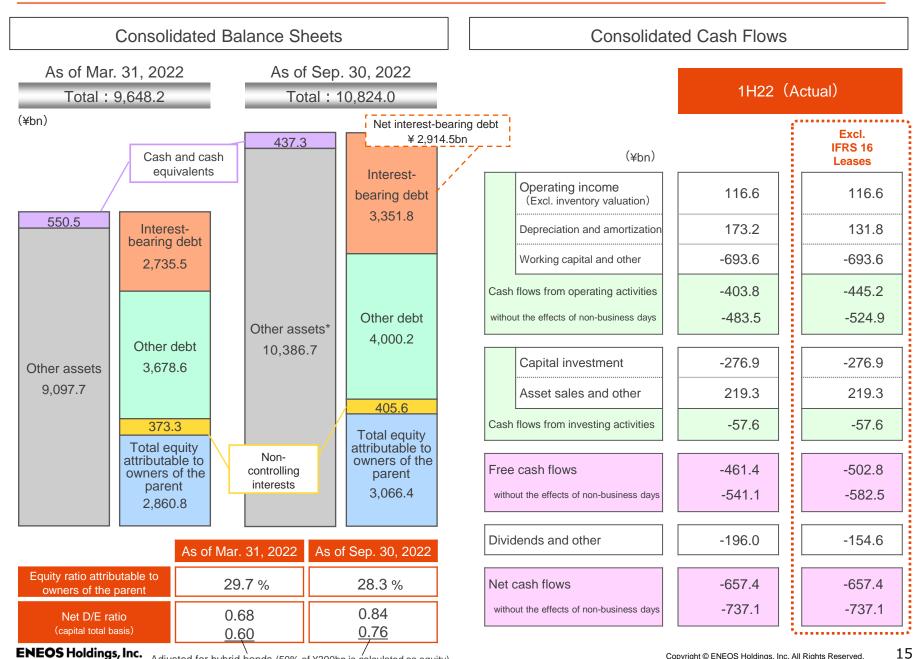


- Metals Segment - Changes in Operating Income vs 1H21



Consolidated Balance Sheets / Consolidated Cash Flows

Adjusted for hybrid bonds (50% of ¥300bn is calculated as equity)



Forecast for FY2022 (April 1, 2022 – March 31, 2023)

Key factors from Oct. 2022: Crude Oil (Dubai): 90 \$/B, Copper Price (LME): 340¢/lb, Exchange Rate: 140 yen/\$

Overview of FY2022 Forecast vs May 2022 Forecast

		FY2022 Forecast (May 2022)	Fo	(2022 recast (2. 2022)	Difference	Ref. FY2021 (Actual)
Index			2H			
Crude Oil (Dubai)	(\$/B)	90	90	96	+6 +7%	78
Copper (LME)	(¢/lb)	420	340	366	−54 −13 %	440
Exchange Rate	(¥/\$)	120	140	137	+17 +14%	112
i '	-Jun. 450¢/lb n Jul. 410¢/lb	/			i	

■ Profit and Loss Statement

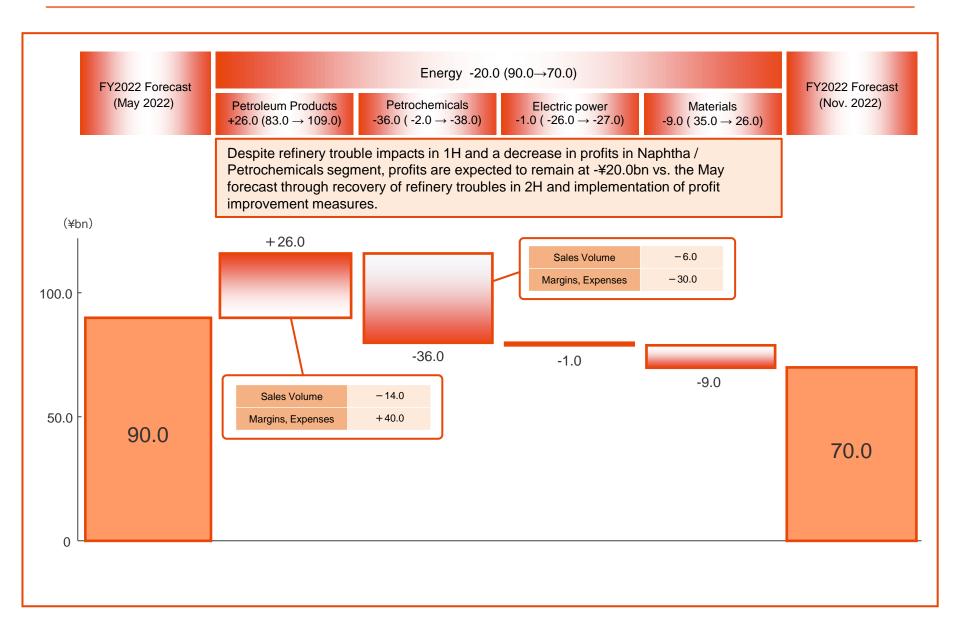
(¥bn)	12,800.0		14,900.0	+2,100.0	+16%	10,921.8
(¥bn)	340.0		560.0	+220.0	+65%	785.9
(¥bn)	0.0		220.0	+220.0	-	370.3
(¥bn)	340.0		340.0	±0.0	±0%	415.6
(¥bn)	310.0		540.0	+230.0	+74%	771.8
(¥bn)	170.0		330.0	+160.0	+94%	537.1
	(¥bn) (¥bn) (¥bn)	(¥bn) 340.0 (¥bn) 0.0 (¥bn) 340.0 (¥bn) 340.0	(¥bn) 340.0 (¥bn) 0.0 (¥bn) 340.0 (¥bn) 340.0	(¥bn) 340.0 560.0 (¥bn) 0.0 220.0 (¥bn) 340.0 340.0 (¥bn) 310.0 540.0	(¥bn) 340.0 560.0 +220.0 (¥bn) 0.0 220.0 +220.0 (¥bn) 340.0 340.0 ±0.0 (¥bn) 310.0 540.0 +230.0	(¥bn) 340.0 560.0 +220.0 +65% (¥bn) 0.0 220.0 +220.0 - (¥bn) 340.0 340.0 ±0.0 ±0% (¥bn) 310.0 540.0 +230.0 +74%

ENEOS Holdings, Inc.

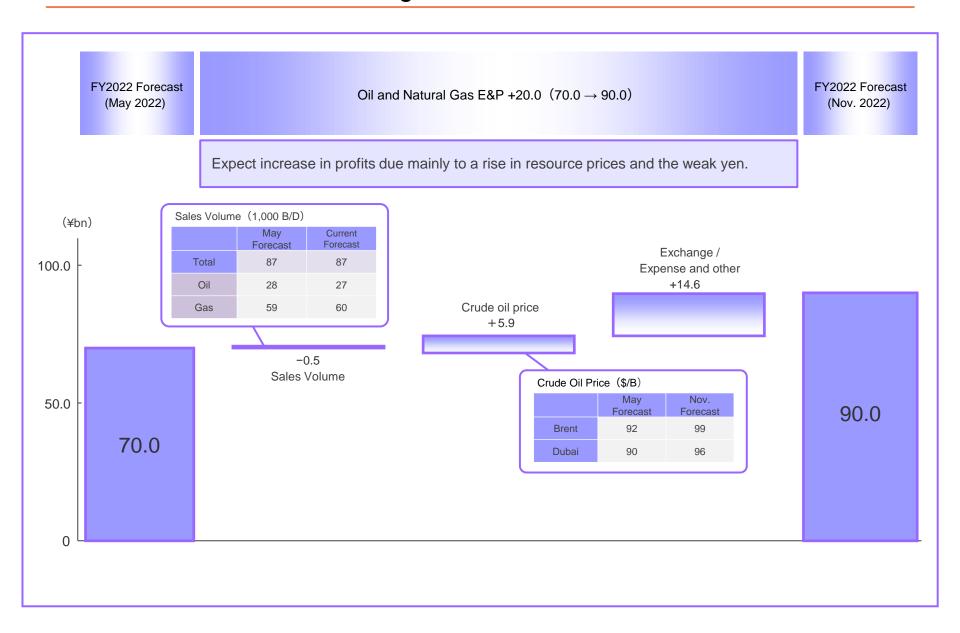
Changes in Operating Income by Segment vs May 2022 Forecast

(¥bı	n)		FY2022 Forecast (May 2022)	FY2022 Forecast (Nov. 2022)	Differe	ence	Ref. FY2021 (Actual)
		Operating Income Inventory Valuation	340.0	340.0	±0.0	±0%	415.6
	Energy	у	90.0	290.0	+200.0	+222%	477.5
	Inv	entory Valuation	0.0	220.0	+220.0	_	370.3
	Ex	cl. Inventory Valuation	90.0	70.0	-20.0	-22%	107.2
		Petroleum Products	83.0	109.0	+26.0	+31%	126.2
		Petrochemicals	- 2.0	-38.0	-36.0	_	- 6.8
		Electric Power	- 26.0	-27.0	-1.0	_	- 19.0
Seg		Materials	35.0	26.0	-9.0	-26%	6.8
g m e	Oil and	d Natural Gas E&P	70.0	90.0	+20.0	+29%	97.0
nts	Metals	S	130.0	130.0	±0.0	±0%	158.2
		Functional Matls, Thin Film Matls and other	57.0	70.0	+13.0	+23%	54.5
		Mineral Resources	80.08	34.0	-46.0	-58%	72.1
		Smelting and Recycling	32.0	31.0	-1.0	-3%	41.0
		Non-allocated corporate expenses and other	- 39.0	-5.0	+34.0	-	- 9.4
	Other		50.0	50.0	±0.0	±0%	53.2

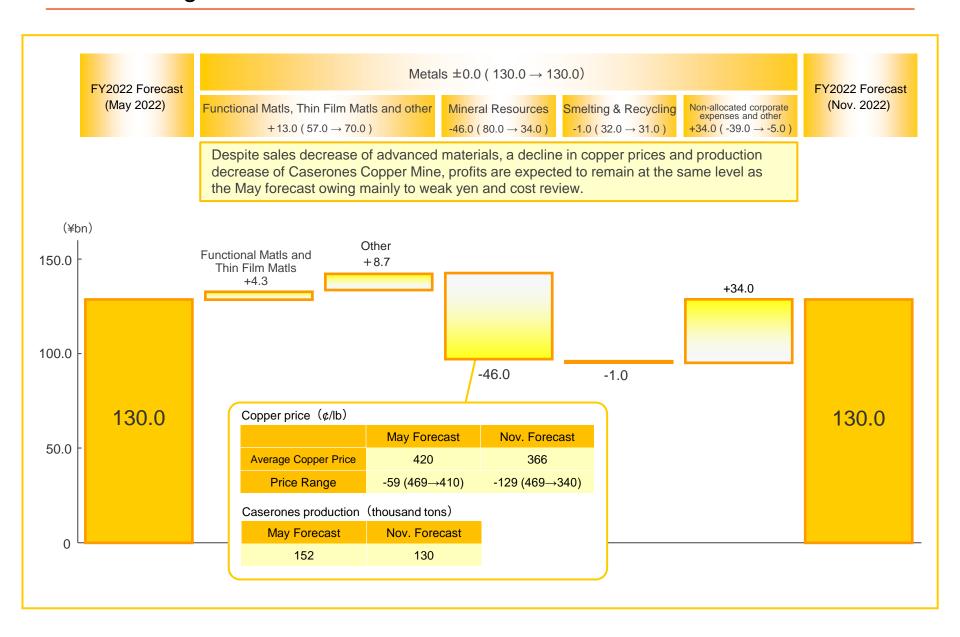
- Energy Segment - Changes in Operating Income excl. inventory valuation effects vs May 2022 Forecast



- Oil and Natural Gas E&P Segment - Changes in Operating Income vs May 2022 Forecast



- Metals Segment - Changes in Operating Income vs May 2022 Forecast



Reference

Key Factors

			FY2021_				FY2022	
			1Q	1H	Full Year	1Q	1H	Full Year
			Actual	Actual	Actual	Actual	Actual	Forecast (Nov. 2022)
All segments	Exchange rate	(¥/\$)	109	110	112	130	134	137
Energy	Crude oil (Dubai)	(\$/B)	67	69	78	108	102	96
Oil and Natural Gas	Sales volume (Crude oil equivalent) ¹	(1,000 B/day)	98	94	93	88	87	87
E&P	Crude oil (Brent)	(\$/B)	69	71	80	112	105	99
	Copper (LME)	(¢/lb)	440	433	440	432	392	366
Metals	Equity entitled copper mine production ²	(1,000 tons/year)	48	90	195	50	92	213
otalo	PPC copper cathode sales	(1,000 tons/year)	148	306	586	150	322	646
	Precision rolled products sales	(1,000 tons/month)	3.9	3.9	3.9	3.7	3.6	3.5

¹ Excl. the U.K. sales volume from FY2021

2

	Full-Year
Caserones	Apr. \sim Mar.
Los Pelambres	Apr. \sim Mar.
Escondida	Jan. \sim Dec.

Sensitivity Analysis

■ Impact of index change on operating income in FY2022 (From Oct. 2022)

Index	Change	Segment	Im	(¥bn)
muex	Change	Segment	111	iрасі
		Energy	_	1.0
		Oil & Natural Gas E&P	+	2.0
Crude Oil (Dubai)	+ 5\$/B	Subtotal	+	1.0
		Inventory Valuation	+	47.0
		Total	+	48.0
Copper (LME)	+ 10¢/lb	Metals	+	4.0
Coppor (Livie)	+ 10¢/10	Total	+	4.0
		Energy	+	2.0
		Oil & Natural Gas E&P	+	2.0
Evelones Dete	5¥/\$	Metals	+	3.0
Exchange Rate	Yen Depreciation	Subtotal	+	7.0
		Inventory Valuation	+	30.0
		Total	+	37.0

Major Progress in 2022 1H

Base businesses

Enhance competitiveness

Divestiture of non-core businesses

- ✓ Decided to withdraw from the E&P business in Myanmar
- ✓ Decided to sell the copper smelting business (LS Nikko Copper Inc.) in South Korea

Announced in May 2022

Announced in May 2022

Petrochemicals Materials

Next-Generation

Energy Supply

Expansion / Acquisition of technology-based businesses

 Decided to invest in Nano Wired GmbH for development of nanowire growth technology and manufacturing equipment

Announced in Jul. 2022

Pursue new services

✓ Started collaborative study on plant maintenance and inspection business utilizing robotics with iXs Corporation

Announced in Jun. 2022

Establish supply bases and network for next-generation energy

- ✓ Started operation of electric vehicle charging service business taken over from NEC Corporation
- Decided to build a next-generation energy supply platform at location of former Shimizu refinery
- ✓ Started offshore wind turbine assembly off the coast of Goto City to realize
 a floating offshore wind power generator

Start from Jun. 2022

- Announced in Aug. 2022
- Announced in Oct. 2022

Establish a CO2-free hydrogen supply chain

- ✓ Formed a joint study to evaluate development of clean hydrogen supply chain between UAE and Japan
- ✓ Large-scale green hydrogen SC development research in Hokkaido / Hydrogen utilization research at Haneda Airport and surrounding area selected as projects commissioned by NEDO
- ✓ Research on BECCS¹ integrated demonstration model for CO2-negative hydrogen production from domestic biomass selected as project commissioned by NEDO

Announced in Jun. 2022

- Announced in Oct. 2022
- Announced in Oct. 2022

Enhance environmentally conscious businesses

- ✓ Participated in LiB recycling technology development consortium, "HVBatCycle," in Germany
- ✓ Acquisition of all shares of eCycle Solutions Inc., an E-waste (waste home appliances and electronic equipment) collection and processing company
- ✓ Signed a MoU with JGC HD and PETRONAS on Joint Collaboration Study, which aims to study the potential of CCS development in Malaysia

Announced in Jun. 2022

- Announced in Aug. 2022
- Announced in Oct. 2022

Other

- √ Formulated a new carbon neutrality plan
- ✓ Decided to issue Japan's first transition-linked bonds to achieve newly formulated carbon neutrality plan

Announced in May 2022

Announced in May 2022

Cautionary Statement Regarding Forward-Looking Statements

This notice contains certain forward-looking statements, however, actual results may differ materially from those reflected in any forward-looking statement, due to various factors, including but not limited to, the following:

- (1) macroeconomic conditions and changes in the competitive environment in the energy, resources and materials industries;
- (2) the impact of COVID-19 on economic activity;
- (3) changes in laws and regulations; and
- (4) risks related to litigation and other legal proceedings.