Securities Code: 5411.T



JFE Group

Financial Results for First Quarter of Fiscal Year 2022 ending March 31, 2023

JFE Holdings, Inc. August 3, 2022



Key Points of today's Announcement

JFE

Results for 1Q of FY2022 • Business profit in 1Q of FY2022 was ¥116.6bn.(increased by ¥28.3bn. year-on-year) due to selling price improvements and inventory valuation gain because of the rising price of coking coal, etc.

Forecast of FY2022

- Full-year business profit is expected to be ¥235.0bn. (decreased by ¥181.4bn. year-on-year)
- The current business environment has been **significantly worse than the previous fiscal year** due to the prolonged Ukraine situation.(falling overseas steel market, rising commodity prices and a sharp depreciation of the yen)
- The supply-demand balance is expected to recover gradually from now on. However it is necessary to monitor carefully the trend of steel production and steel demand in China, and the impact of auto production due to a shortage of the parts supply.
- In the steel business, despite the severe business environment, initiatives for improvement in earnings, such as price improvement, are in progress.
- In the engineering and trading businesses, earnings are expected to remain stable despite rising commodity prices.

Dividends

• The Board of Directors has decided to pay an interim dividend of 40 yen per share.

The year-end dividend has been still pending.

Carbon Neutral

- Organize the roadmap for realizing carbon neutrality in 2050 and arrange the emission reduction structure.
- A briefing session will be held to explain the details.(In Japanese) [Scheduled for Sep.1st, 2022]



A table of contents

- ➤ JFE Holdings' Financial Results for First Quarter of Fiscal Year 2022 (April 1 to June 30, 2022) and Financial Forecasts for Fiscal Year 2022 (April 1, 2022, to March 31, 2023)
- Dividends
- ➤ Financial Results for First Quarter of Fiscal Year 2022 and Financial Forecast for Fiscal Year 2022 by Segment

> Topics

Appendix 1: Profit/Loss Analysis

Appendix 2: Business Environmental Indicators, etc.

Appendix 3: The 7th Medium-Term Business Plan

This presentation material is for information and discussion purpose only.

Any statements in the presentation which are not historical facts are future projections based on certain assumptions and currently available information. Please note that actual performance may vary significantly due to various factors.

Consolidated Results for First Quarter of Fiscal Year 2022 (April 1 to June 30, 2022)

and
Consolidated Financial Forecast
for Fiscal Year 2022
(April 1, 2022 to March 31, 2023)



Financial Results and Forecast for Fiscal Year 2022

- Business profit in 1Q of FY2022 was ¥116.6bn.(increased by ¥28.3bn. year-on-year)
- Full-year revenue is expected to be over ¥5 trillion., and full-year business profit is expected to be ¥235.0bn.(decreased by ¥181.4bn. year-on-year)

	FY2	021 Act	tual	FY2022 Forecast			Change		
(billion yen)	1Q (Apr-Jun)	1H	Full Year	1Q (Apr-Jun)	1H	Full Year	1Q (Apr-Jun)	1H	Full Year
Revenue	888.9	1,942.9	4,365.1	1,253.6	2,610.0	5,370.0	364.7	667.1	1,004.9
Business Profit	88.3	198.8	416.4	116.6	165.0	235.0	28.3	(33.8)	(181.4)
Finance Income/Costs	(2.9)	(5.6)	(11.6)	(3.2)	(10.0)	(15.0)	(0.3)	(4.4)	(3.4)
Segment Profit	85.4	193.2	404.8	113.4	155.0	220.0	28.0	(38.2)	(184.8)
Exceptional Items	-	-	(16.2)	-	-	-	-	-	16.2
Profit before Tax	85.4	193.2	388.5	113.4	155.0	220.0	28.0	(38.2)	(168.5)
Tax Expense and Profit (Loss) Attributable to Non- Controlling Interests	(23.4)	(52.4)	(100.4)	(29.5)	(55.0)	(80.0)	(6.1)	(2.6)	20.4
Profit Attributable to Owners of Parent	61.9	140.7	288.0	83.8	100.0	140.0	21.9	(40.7)	(148.0)

Business profit is profit before tax excluding financial income and one-time items of a materially significant value. Segment profit is profit including financial income in business profit.

Financial Results and Forecast for Fiscal Year 2022

	(by Segment)									
J	JFE									
FY2021 Actual FY2022 Forecast Change										
	(billion yen)	1Q (Apr-Jun)	1H	Full Year	1Q (Apr-Jun)	1H	Full Year	1Q (Apr-Jun)	1H	Full Year
	Steel Business	638.5	1410.4	3,173.4	932.6	1975.0	4,100.0	294.1	564.6	926.6
	Engineering Business	103.0	229.2	508.2	98.2	230.0	520.0	(4.8)	.8	11.8
	Trading Business	261.6	544.4	1,231.7	379.5	750.0	1,470.0	117.9	205.6	238.3
	Adjustments	(114.2)	(241.1)	(548.3)	(156.8)	(345.0)	(720.0)	(42.6)	(103.9)	(171.7)
R	Revenue	888.9	1942.9	4,365.1	1,253.6	2610.0	5,370.0	364.7	667.1	1,004.9
В	usiness Profit (A)	88.3	198.8	416.4	116.6	165.0	235.0	28.3	(33.8)	(181.4)
	inance Income/Costs (B)	(2.9)	(5.6)	(11.6)	(3.2)	(10.0)	(15.0)	(0.3)	(4.4)	(3.4)
	Steel Business	69.7	158.5	323.7	93.0	120.0	150.0	23.3	(38.5)	(173.7)
	Engineering Business	4.2	11.1	26.0	(1.2)	4.0	20.0	(5.4)	(7.1)	(6.0)
	Trading Business	11.5	25.6	55.9	21.1	35.0	55.0	9.6	9.4	(0.9)
	Adjustments	(0.0)	(2.0)	(0.9)	0.4	(4.0)	(5.0)	0.4	(2.0)	(4.1)
	Segment Profit	85.4	193.2	404.8	113.4	155.0	220.0	28.0	(38.2)	(184.8)

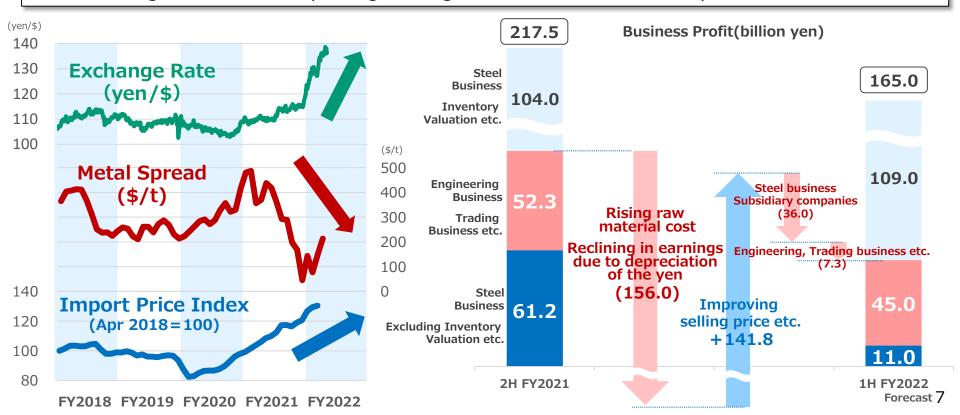


Business Environment and Earnings in the first Half of FY2022

JFE

- > The current business environment has been significantly worse than the previous fiscal year when the steel market was strong.
 - ✓ Despite zero-COVID policy constraints on economic activity, maintaining high steel production in China has led increasing in inventory and a falling global steel market.
 - ✓ Further rising commodity prices due to the Ukraine situation and a sharp depreciation of the yen.
- Despite severe business environment, initiatives for rising steel price are expected to reach significant level in the first half of FY2022.

Continuing initiatives for improving earnings in the second half and beyond.

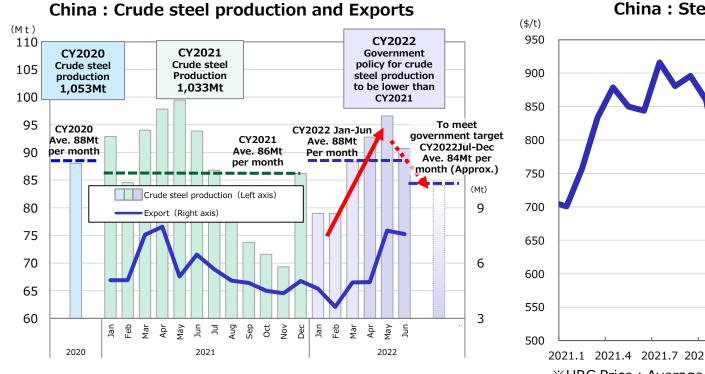


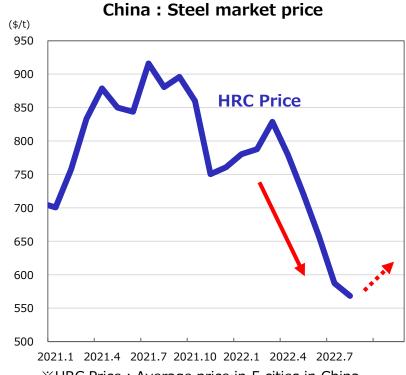


Trend of Supply-Demand in China

JFE

- ➤ In the first half of CY2022, crude steel production continued to increase in anticipation to the Chinese government's economic stimulus measures.
 - The steel market in China deteriorated and exports increased due to sluggish domestic steel demand affected by constraints on economic activity due to zero-COVID policy.
- The Chinese government keeps its policy of curbing crude steel production. Therefore crude steel production in the second half of CY2022 is expected to be reduced. The domestic steel demand and steel market are expected to recover due to the Government's economic stimulus measures.



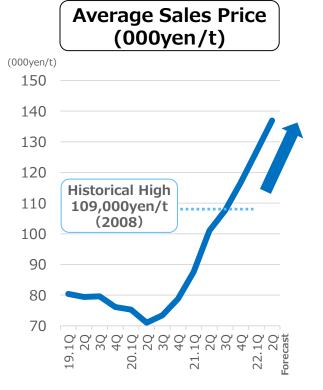




Initiatives for Improving Sales Price in the first Half of FY2022

JFE

- ➤ In order to achieve the target of the mid-term plan -Shifting Focus from Quantity to Quality-, we have made further efforts to proceed with the price improvement initiatives.
- Reflections of key raw material cost to sales price are expected to realize without delay, including the impact of depreciation of the yen.
 Reflections of other raw material cost are also expected to proceed at a certain level but it is not sufficient. It is necessary to continue making efforts.
- > We will continue to improve sales price to reach the target of the mid-term plan (Per-ton profit 10,000yen/ton)



Progress in Rising Price in the 1st Half of FY2022

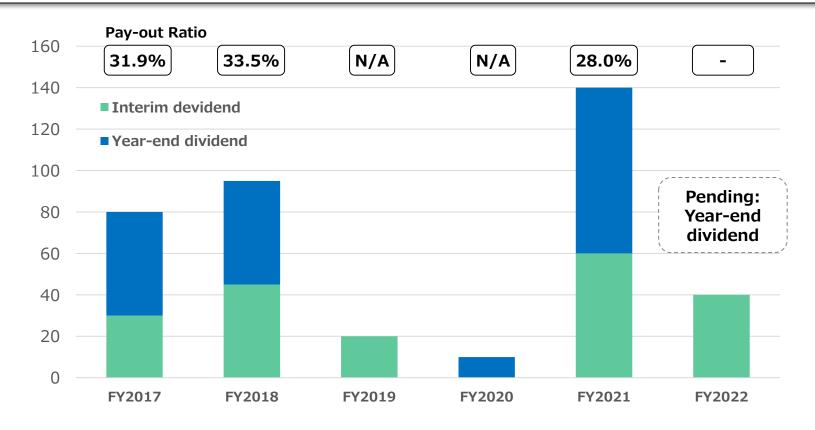


Initiatives to Improve our Sales Price

- Quick reflection of raw material cost to sales price Make effort to quickly and steadily pass on the cost increase of key raw materials to the sales prices.
- Overhaul of extra pricing
 Already realized some part of extra revision. Accelerate overhaul to modify the extra pricing which is inappropriate to the current status.
- Sales price improvement to the sustainable level Improve sales prices to the sustainable level even among the long-term/continuous contracts if the margin is not enough.

Dividends

- - > JFE Holdings has decided to pay an interim dividend of 40 yen per share at its Board of Directors.
 - ➤ A decision regarding the year-end dividend has been postponed while the company carefully monitors its ongoing performance.



JFE Steel

Financial Results for First Quarter of Fiscal Year 2022 and Financial Forecast for Fiscal Year 2022



Financial Forecast for Fiscal Year 2022

		FY	2021		FY2	2022 Fore	ecast]	Change Year-on-Year	
	Unit	1Q	Full year	1Q	2Q	1H	2H	Full year	1Q	Full year
Revenue	billion yen	638.5	3,173.4	932.6	1,042.4	1,975.0	2,125.0	4,100.0	294.1	(926.6)
Segment Profit	billion yen	69.7	323.7	93.0	27.0	120.0	30.0	150.0	(23.3)	(173.7)
Excluding Inventory Valuation etc.*	billion yen	25.7	129.7	(230)	34.0	11.0	17.0	28.0	(48.7)	(101.7)
Crude Steel (Standalone)	Mt	6.25	25.88	6.43	Approx. 6.50	Less than 13.0	Less than 13.0	Less than 26.00	1.8	_
Crude Steel (Consolidated)	Mt	6.59	27.26	6.77	Approx. 6.90	Approx. 13.70			1.8	
Shipment (Standalone)	Mt	5.26	22.38	5.54	Approx. 6.00	Approx. 11.50			2.8	
Export Ratio on Value Basis (Standalone)	%	43.2	45.5	48.5	Approx. 47	Approx. 48	`		5.3	
Average Sales Price (Standalone)	000 yen / t	87.6	103.7	126.7	Approx. 134	Approx. 130			39.1	
Exchange Rate	¥/\$	109.8	112.1	126.5	Approx. 136	Approx. 131	Approx. 135	Approx. 133	16.7	Approx. 21

^{*} Excluding inventory valuation, carry over of raw materials and foreign exchange valuation from segment profit



23.3bn. Increase in JFE Steel's Segment Profit (FY2021.1Q (Actual) vs. FY2022.1Q (Actual))

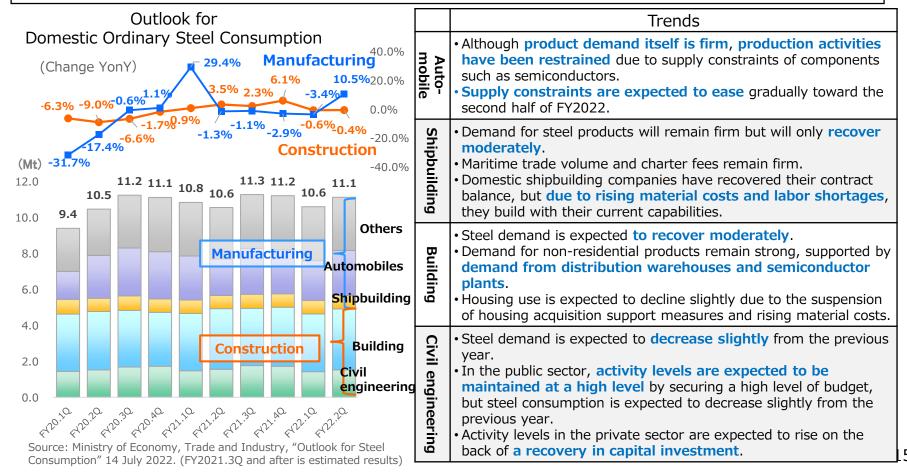
							<u>(billion yen</u>)
JEE Ctool			FY2021			FY2022	Change FY2021.1Q
JFE Steel	1Q	2Q	3Q	4Q	Full Year	1Q	→ FY2022.1Q
Segment Profit	69.7	88.8	93.5	71.7	323.7	93.0	+23.3

1. Cost	+5.0	Capital investment effect etc.
2. Volume and Mix	+1.0	
3. Sales and Raw materials	±0.0	
4. Inventory valuation	+72.0	 Inventory valuation+33.0 (+28.0→+61.0) Carry over of raw materials +22.0 (+15.0→+37.0) Foreign exchange valuation +17.0 (+1.0→+18.0)
5. Others	(54.7)	Foreign exchange effects on trade -20.0 etc.



Current Business Environment (Domestic)

- In the automotive sector, the decline in auto production has been prolonged due to the remaining constraints on parts supply.
- The COVID-19 has gradually subsided in China, the supply chain activity level is expected to gradually recover toward the second half of FY2022, and steel supply and demand is expected to become tight.
- It is necessary to carefully monitor whether soaring prices will delay demand in each sector.





Current Business Environment (Overseas)

JFE

- As the global economy recovers, overseas demand for steel products continues to recover.
- Demand for steel products is currently weak, but due to the end of the rainy season in Asia and economic stimulus measures by the Chinese government, demand for steel products is expected to recover a certain degree, and market conditions are expected to improve.

Russia

Automobile Sales by Quarter

(million units) **Indonesia** 9.0 0.30 China 8.0 0.25 7.0 0.20 6.0 0.15 5.0 0.10 4.0 0.05 Jan-Mar Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Jan-Mar Apr-Jun Jan-Mar 2021 2020 2022 2020 2021 2022 0.30 **Thailand** 1.00 India 0.25 0.80 0.20 0.60 0.15 0.40 0.10 0.20 Oct-Dec Jan-Mar Jan-Mar Sep Apr-Jun Sep Apr-Jun Oct-Dec 2020 2021 2022 2020 2021 2022

Real GDP Growth Forecast in 2022

(Arrows indicate changes from the previous forecast)

	World	US	China	India	ASEAN-5
2021 Actual	6.1%	+5.7%	8.1%	8.7%	+3.4%
Apr. 2022 Forecast	3.6%	3.7%	4.4%	8.2%	5.3%
Jul. 2022 Forecast	3.2%	2.3%	3.3%	7.4%	5.3%

Source: IMF World Economic Outlook Update April 19, 2022, July 26, 2022

market in each country.

Steel Export Trend

*ASEAN-5 : Thailand, Malaysia, Indonesia, Philippine, and Vietnam

16

	Trend by Country
China	 Exports increased due to the timing gap of increased production in anticipation of economic stimulus measures and recovery in domestic demand. The government's policy (Control of crude steel and economic stimulus measures) and the recovery of domestic demand is monitored carefully.
India	•Exports to Europe decreased due to a decline in demand and falling market conditions, in addition to the non-demand period caused by the rainy season. As a result, exports to Southeast Asia increased. •This trend is expected to end after the rainy season.
	·Steel products, which had nowhere to go due to economic sanctions,

have flowed into Turkey and Middle and Near East at low prices,

worsening the supply and demand of steel products and the steel



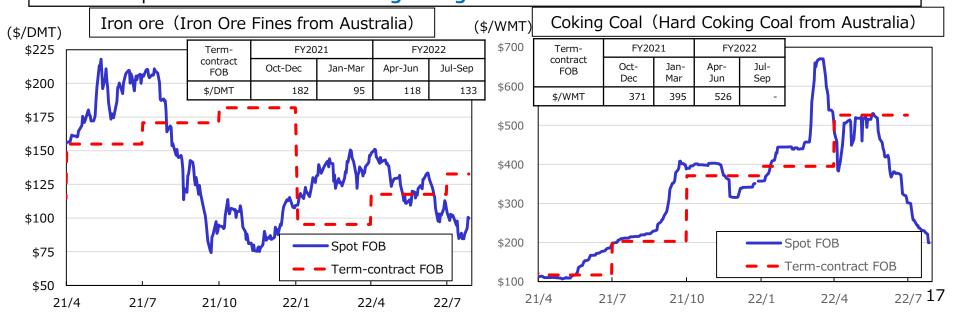
Raw materials (Steel Business)

Key raw material

- Iron ore remained weak due to sluggish demand for steel products in China.
- Coking coal prices are on a downward trend from their recent peak due to the recent deterioration in overseas steel prices.
- As the supply and demand of steel products tightens due to the Chinese government's economic stimulus measures, the raw material market is expected to rise from the current level by the second half of FY2022.

Metal and scrap

Almost all metal prices rose sharply due to tight supply and demand for alloy iron, which is highly dependent on Russia and Ukraine, as well as a rise in electricity prices due to a rise in the fuel market. Although the market is currently on a downward trend, it is expected to remain in the high range.





173.7bn. Decrease in JFE Steel's Segment Profit (FY2021 (Actual) vs. FY2022 (Forecast))

JFE Steel	FY2021 (Actual)	FY2022 (Forecast)	Change (billion yen)	
Segment Profit	323.7	150.0	(173.7)	
1. Cost		Cost reductions +23.0 Chiba No.6 blast furnace	refurbishment -13.0	
2. Volume and Mix	±0.0			
3. Sales and Raw materials	+70.0 • Improved spreads due to higher selling prices (despite more costly raw materials and metals)			
4. Foreign exchange effects on trade	(100.0) • 1	.USD=112.1yen→1USD=	=133yen (about)	
5. Inventory valuation	(72.0) · ·	nventory valuation-85.0 Carry over of raw +7.0 (Foreign exchange valuati	•	
6. Others	(81.7)	Group companies -45.0,	etc.	



Impact of the depreciation of the yen(steel business)

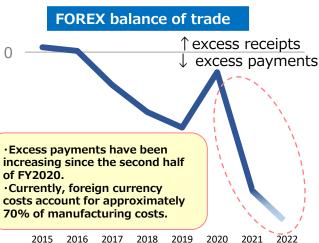
JFE

- > Due to soaring raw material prices and falling overseas steel prices, the foreign currency balance of trade(imports and exports) is substantially overpaid.
- The depreciation of the yen makes worse profits (A little less than less than 5bn. per 1 yen depreciation), but we promote to reflect the impact of the depreciation of the yen to sales price by improving sales prices in the domestic market.

Parts supply constraints in the automotive sector and weak overseas steel market (yen/USD) 140 USD-JPY trend









X1Valuation: Translational FOREX Impact concerning foreign currency assets, liabilities and overseas Gr companies' profit.

effects on trade: Impact of FOREX movements on foreign currency trade (imports and exports) on earnings.



Trend of profit for subsidiary and affiliated companies in steel business

JFE

Profit of subsidiary and affiliated companies in FY2022 is expected to be second high due to initiatives of subsidiary and affiliated companies to improving their profit, despite the severe business environment

Domestic subsidiary and affiliated companies

- Allocation of management resources to growth areas
 Feb. 2022: Integrating JFE Mineral, Mizushima Ferroalloy, and JFE Material
 Aug. 2022: JFE Container to be JFE Steel's wholly-owned subsidiary
- Expansion of outside profit businesses not dependent on steel business

Overseas subsidiary and affiliated companies

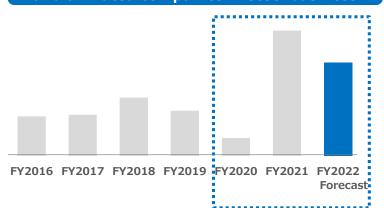
 Expanding vertical specialization business, stable operation

CSI(US),GJSS(China),JSGT(Thailand),JSGI(Indonesia),NJSM(Mexico) etc.

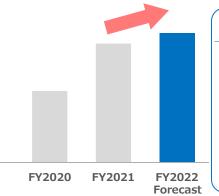
 Earnings of integrated production business in high-demand market

JSW(India)、FHS(Vietnam)

Profit of domestic and overseas subsidiary and affiliated companies in steel business



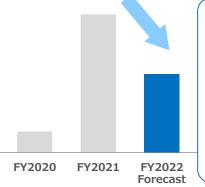
Profit of domestic subsidiary and affiliated companies



FY2021 vs FY2022

Profit is expected to increase from previous fiscal year mainly raw material and resource subsidiaries, which is due to rising raw material prices.

Profit of overseas subsidiary and affiliated companies



FY2021 vs FY2022

Profit is expected to remain high, although profit is expected to decrease from previous fiscal year mainly JSW and CSI, which is due to the falling global steel market.

JFE Engineering Financial Forecast for Fiscal Year 2022



Financial Forecast for Fiscal Year 2022

JFE

Current Business Environment/Overview of Financial Status

- Domestic demand both in the environment & energy sector and infrastructure sector is expected to remain solid.
- Segment profit is expected to decrease by ¥6.0bn. year-on-year to ¥20.0bn., due to rising prices of materials and equipment.

Financial Forecast

	FY2021 Actual		FY2022	Forecast	Change		
(billion yen)	1 H	Full Year	1 H	Full Year	1H	Full Year	
Orders	252.3	505.8	310.0	550.0	57.7	44.2	
Revenue	229.2	508.2	230.0	520.0	0.8	11.8	
Segment Profit	11.1	26.0	4.0	20.0	(7.1)	(6.0)	

<1H>

- •Orders +57.7 Increase in large-scale orders in carbon-neutral area
- •Segment profit (7.1) Construction mix and rising price of material and equipment.

<Full Year>

- •Orders +44.2 Increase in overseas projects due to changes in contract schedule.
- •Revenue +11.8 Construction mix
- •Segment profit (6.0) Rising price of material and equipment.

JFE Shoji Financial Forecast for Fiscal Year 2022



Financial Forecast for Fiscal Year 2022

Current Business Environment/Overview of Financial Status

- ➤ In the first half of FY2022, segment profit is expected to increase year-on-year for both JFE Shoji itself and group companies due to strong sales of steel products and raw materials in Japan and overseas.
- > Full year segment profit is expected to be ¥55.0bn., the same as previous fiscal year.

	FY2021 Actual		FY2022 I	orecast	Change	
(billion yen)	1 H	Full Year	1H	Full Year	1 H	Full Year
Revenue	544.4	1,231.7	750.0	1,470.0	205.6	238.3
Segment Profit	25.6	55.9	35.0	55.0	+9.4	(0.9)

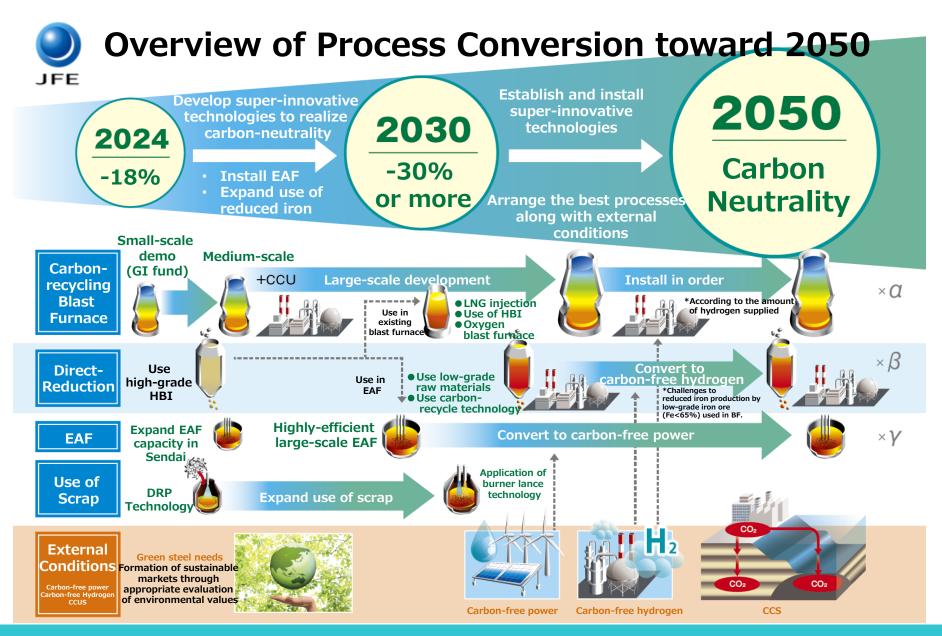
<1H>

•Segment Profit +9.4 Domestic and overseas markets are expected to be solid, especially overseas businesses in northern America are expected to proceed successfully.

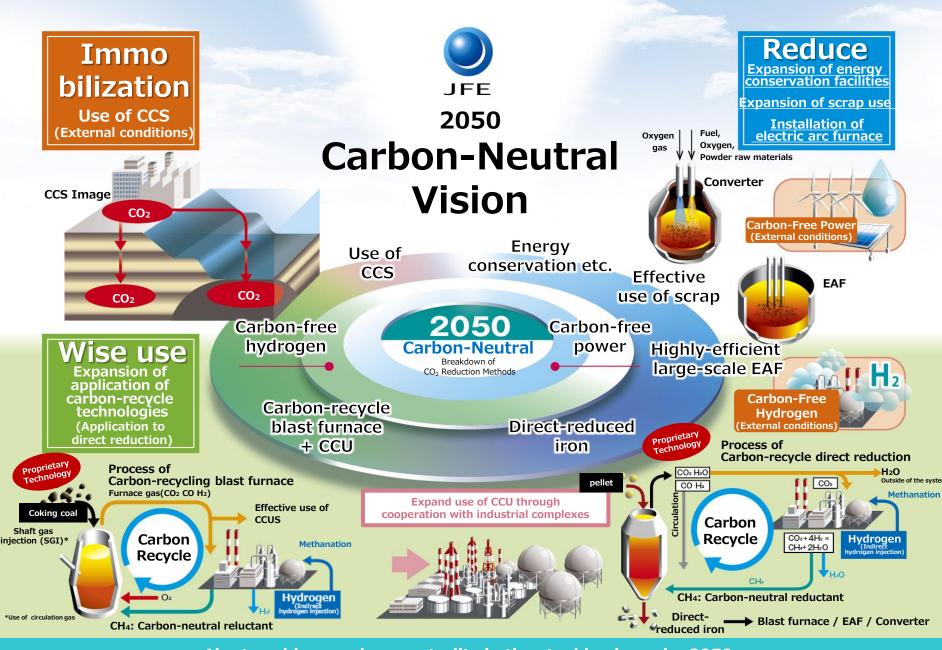
Topics

Initiatives to achieve carbon neutrality in Steel business

JFE Steel Carbon Neutral Strategy Briefing scheduled for September 1



Promote technology development on a multi-track basis and introduce proven technologies sequentially. Aim to achieve carbon neutrality by applying proven technologies to steelworks with optimal combination of technologies.



Aim to achieve carbon neutrality in the steel business by 2050 through a combination of "reduce," "Wise use," and "Immobilization"



Construction of Carbon-Recycle Blast Furnace and Coke Oven

Carbon-Recycle Blast Furnace (Project of Green Innovation Fund)

Emission reduction by carbon-recycle blast furnace

CO2 from blast furnace is converted into recycle-methane by using hydrogen, through methanation,

Coexistence of heat compensation and methane quantity maximization by oxygen utilization and SGI Develop the technology which reduces CO₂ emission 50% in steelmaking proses

Ordinary blast furnace Furnace gas Iron ore(FeO) Coke(C): 0.3 t/t·iron Pulverized coal(C): 0.2 t/t·iron Hot air CO reduction Furnace gas separation Hydrogen H₂ Carbon-recycle blast furnace Shaft gas njection (SGI) Carbon Methanation Iron ore(FeO) CO₂ + 4H₂ Recycle Coke(C): CH4 + 2H2O 0.3 t/t·iron (CO+H₂) reduction Pure O₂

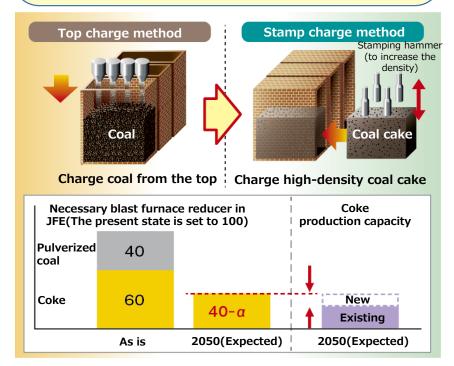
- Install area: Chiba district (150m³), Operation start: 2025
- Install each technology in order according to H₂ supply after scale-up test

Construction of new coke ovens

- •Reduce CO₂ emission by installing high efficient new coke oven
- ·Satisfy necessary amount of coke to be used after carbon-recycle blast furnace

CO₂ emission reduction 160K ton /year

Production efficiency improves 16% by installing large stamp charge coke oven Reduce dust generation at input/ output timing



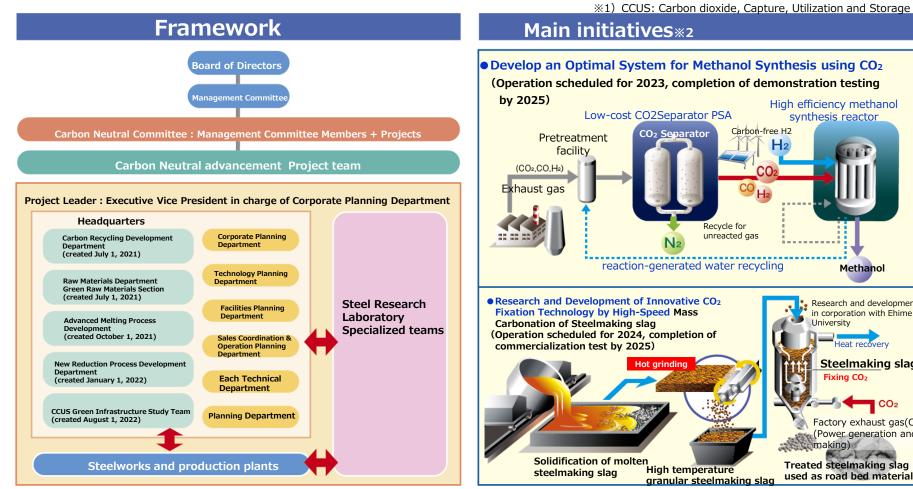
- Install area: Fukuyama district
- Operation start: 6A oven 2025. 6B oven is under planning.

opyright © 2022 JFF Steel Corporation, All Rights Reserved.



Framework for CCUS Green Infrastructure Study

- CCUS(**1) Green Infrastructure Study Team was established in the Carbon Neutral Promotion Project Team.
- Carry out existing research and development and promote studies on the use of CO₂ separation, capture, utilization and storage technologies in collaboration with industrial complexes and companies.



 Develop an Optimal System for Methanol Synthesis using CO₂ (Operation scheduled for 2023, completion of demonstration testing High efficiency methanol Low-cost CO2Separator PSA synthesis reactor Carbon-free H2 CO₂ Separator

> Recycle for unreacted gas

Methanol

Research and development

Steelmaking slag

Factory exhaust gas(CO₂) (Power generation and stee

making)

Treated steelmaking slag

used as road bed material

in corporation with Ehime

Appendix(1) Profit/Loss Analysis



Main Financial Data

1-GAAP

	EV4.2	F)/1.4	F)/1 F	EV4.6	EV4.7	FY18			
	FY13	FY14	FY15	FY16	FY17	F 1 18			
(bn. Yen, times)	(bn. Yen, times)								
Ordinary Income	173.6	231.0	64.2	84.7	216.3	221.1			
EBITDA	368.9	421.5	254.4	279.9	388.8	405.9			
ROS	4.7%	6.0%	1.9%	2.6%	5.9%	5.6%			
ROE	6.3%	7.7%	1.8%	3.7%	7.6%	8.3%			
ROA	4.5%	5.5%	1.7%	2.3%	5.2%	5.1%			
Debt Outstanding	1,534	1,501	1,379	1,375	1,331	1,450			
Debt/EBITDA Ratio	x4.2	x3.6	x5.4	x4.9	x3.4	x3.6			
D/E Ratio	67.9%	59.0%	56.9%	51.4%	58.1%	62.0%			
Profit attributable to owners of parent (yen/share)	177.4	241.6	58.4	117.8	250.8	285.0			
Dividend (yen/share)	40	60	30	30	80	95			
Pay-out Ratio	22.5%	24.8%	51.4%	25.5%	31.9%	33.3%			

IFRS

	FY18	FY19	FY20	FY21				
(bn. Yen, times)								
Business profit	232.0	37.8	-12.9	416.4				
EBITDA *1	428.2	269.4	223.4	668.7				
ROS *2	6.0%	1.0%	-0.4%	9.5%				
ROE *3	8.6%	-11.1%	-1.3%	15.7%				
ROA *4	5.0%	0.8%	-0.3%	8.4%				
Interest-bearing debt outstanding	1,524	1,814	1,806	1,849				
Debt/EBITDA multiple *5	x3.6	x6.7	x8.1	X2.8				
D/E Ratio *6	68.2%	96.4%	93.2%	80.8%				
Profit attributable to owners of parent (yen/share)	283.8	-343.4	-38.0	500.1				
Dividend (yen/share)	95	20	10	140				
Pay-out Ratio	33.5%	_	_	28.0%				

Notes [IFRS]

- *1 EBITDA = Business profit + Depreciation and Amortization
- *2 ROS = Business profit / Revenue
- *3 ROE = Profit attributable to owners of parent company / Equity
- *4 ROA = Business profit / Total assets
- *5 Debt/EBITDA ratio = Interest-bearing debt outstanding / EBITDA
- *6 D/E ratio = Interest-bearing debt outstanding / Equity attributable to owners of parent For debt having a capital component, a portion of its issue price is deemed to be capital, as assessed by rating agencies.



Main Financial Data and Performance & Profitability Targets

		7 th mid-term business plan FY2024		FY2020 Actual	FY2021 Actual	FY2022 Forecast
Business profit		¥320.0 billion		¥-12.9 billion	¥416.4 billion	¥235.0 billion
ated	Profit attributable to owners of the parent	¥220.0 billion		¥-21.8 billion	¥288.0 billion	¥140.0 billion
Consolidated	ROE	10%		-1.3%	15.7%	-
Debt/EBITDA		About 3x		8.1x	2.8x	-
D/E*1		About 70%		93.2%	80.8%	-
Operating companies	Steel business Profit per ton*2 Segment profit	10,000 yen/ton ¥230.0 billion		-3000 yen/ton ¥65.4 billion	14,000 yen/ton ¥323.7 billion	6,000 yen/ton ¥150.0 billion
	Engineering business Segment profit Revenue	¥35.0 billion ¥650.0 billion		¥24.0 billion ¥485.7 billion	¥26.0 billion ¥508.2 billion	¥20.0 billion ¥550.0 billion
	Trading Business Segment profit	¥40.0 billion		¥20.0 billion	¥55.9 billion	¥55.0 billion
Payout ratio		7 th mid-term business plan Around 30%		-	(140 yen)	(interim: 40yen)

^{*1} For liabilities with equity subject to credit ratings, these equities reflect the evaluations of rating agencies

^{*2} Steel business profit per ton (consolidated segment profit / non-consolidated sales volume)



21.3bn. Increase in JFE Steel's Segment Profit (FY2021.4Q (Actual) vs. FY2022.1Q (Actual))

	FY2021					FY2022	Change	
JFE Steel	1Q	2Q	3Q	4Q	Full Year	1Q	(billion yen)	
Segment Profit	69.7	88.8	93.5	71.7	323.7	93.0	+21.3	

1. Cost	±0.0	
2. Volume and Mix	(7.0)	
3. Sales and Raw materials	(75.0)	 Metal spread was deteriorated due to higher raw material and metal prices, despite improved steel prices.
4. Inventory valuation	+109.0	 Inventory valuation+24.0 (+37.0→+61.0) Carry over of raw+74.0 (-37.0→+37.0) Foreign exchange valuation +11.0(+7.0→+18.0)
5. Others	(5.7)	• Foreign exchange effects on trade -13.0, etc.



66.0bn. Decrease in JFE Steel's Segment Profit (FY2022.1Q (Actual) vs. FY2022.2Q (Forecast))

JEE Chool	F	Change		
JFE Steel	1Q(Actual)	2Q(Forecast)	1H	(billion yen)
Segment Profit	93.0	27.0	120.0	(66.0)
1. Cost	±0.0			
2. Volume and Mix	+1.0			
3. Sales and Raw materials	 Prices of main raw materials and metals remained high, but spreads improved due to improved selling prices. 			
4. Inventory valuation	(123.0)	 Inventory valuation-40.0(+61.0→+21.0) Carry over of raw-64.0 (+37.0→-27.0) Foreign exchange valuation -19.0(+18.0→-1.0) 		
5. Others	(33.0)	• Foreign exch	nange effects on tr	ade -10.0, etc.



45.2bn. Decrease in JFE Steel's Segment Profit (FY2021.2H (Actual) vs. FY2022.1H (Forecast))

JFE Steel	FY2021 2H(Actual)		FY2022 1H(Forecast)		Change (billion yen)
Segment Profit		165.2	120.0		(45.2)
1. Cost	±0.0				
2. Volume and Mix	(5.0)				
3. Sales and Raw materials	+22.0	•	ed spreads due to hig e more costly raw ma	•	9 i
4. Inventory valuation	+5.0	 Carry o 	ory valuation-19.0(+1 ver of raw+17.0 (-7. exchange valuation	0→+	·10.0)
5. Others	(67.2)		exchange effects on companies -36.0, etc.		e -40.0



90.0bn. Decrease in JFE Steel's Segment Profit (FY2022.1H vs. FY2022.2H)

JEE Chool	F	Y2022 Forecas	t
JFE Steel	1H	2H	Full Year
Segment Profit	120.0	30.0	150.0

Change (billion yen) (90.0)

1. Cost	±0.0	
2. Volume and Mix	±0.0	
3. Sales and Raw materials	+17.0	 Prices of main raw materials and metals remained high, but spreads improved due to improved selling prices.
4. Inventory valuation	(96.0)	 Inventory valuation-89.0 (+82.0→-7.0) Carry over of raw+10.0 (+10.0→+20.0) Foreign exchange valuation -17.0(+17.0→±0.0)
5. Others	(11.0)	• Foreign exchange effects on trade -9.0, etc.



385.0bn. Decrease in JFE Steel's Segment Profit (FY2021.1H (Actual) vs. FY2022.1H (Forecast))

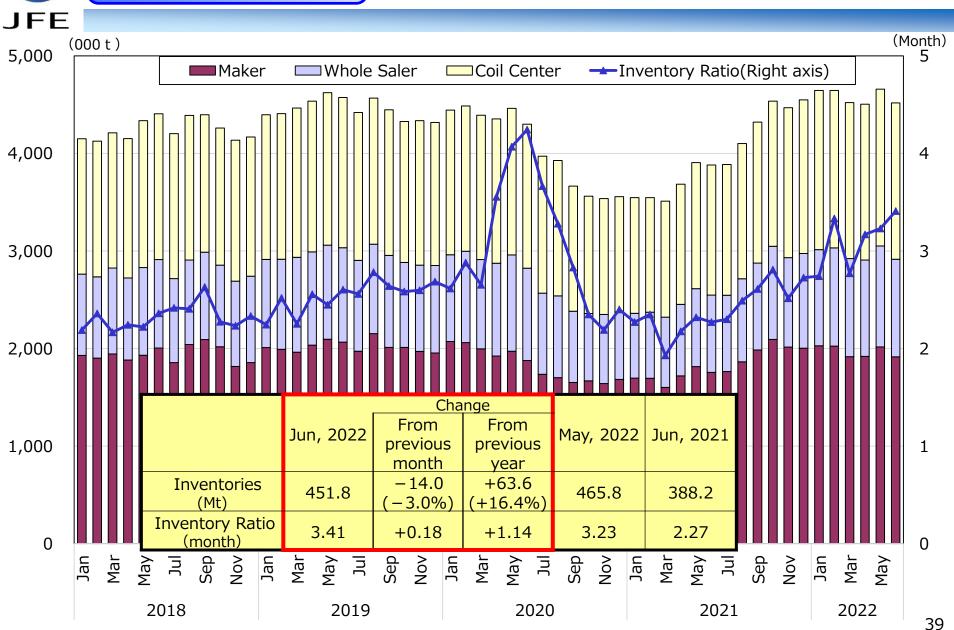
JFE Steel	FY2021 1H(Actual) 158.5		FY2022 1H(Forecast)		Change (billion yen)
Segment Profit			120.0		(38.5)
1. Cost	+ 10.0 • Capital investment effect etc.				
2. Volume and Mix	+5.0				
3. Sales and Raw materials	+51.0 • Improved spreads due to higher selling prices (despite more costly raw materials and metals)				
4. Inventory valuation	 • Inventory valuation+23.0 (+59.0→+82.0) • Carry over of raw-20.0(+30.0→+10.0) • Foreign exchange valuation +16.0(+1.0→+17.0) 			0→+10.0)	
5. Others	(123.5) • Foreign exchange effects on trade -			rade -50.0, etc.	

Appendix(2) Business Environmental Indicators, etc.



Domestic Market Environment

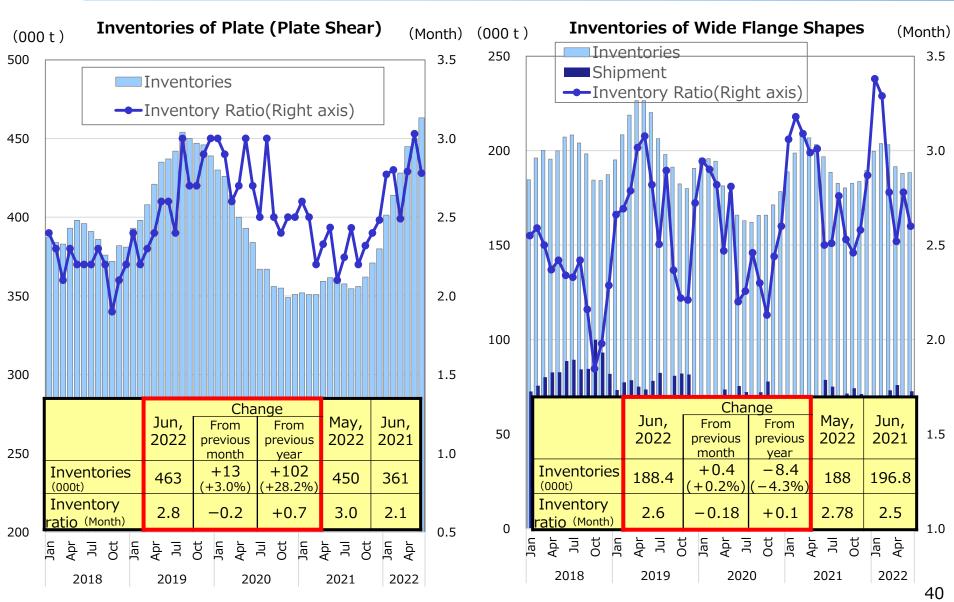
Combined Inventories of HR, CR and Coated Steel Sheet





Domestic Market Environment

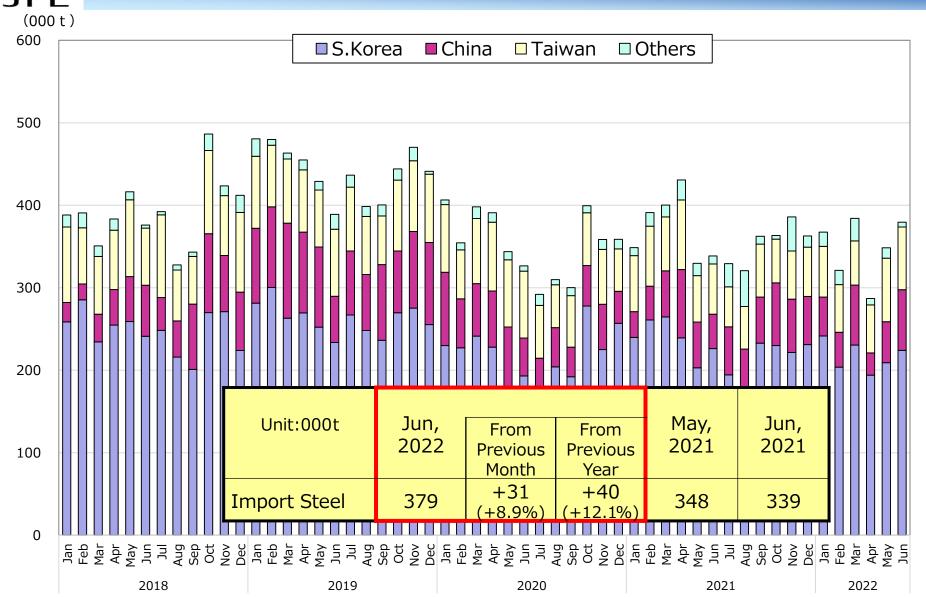
Inventories of Plate (Plate Shear) and Wide Flange Shapes





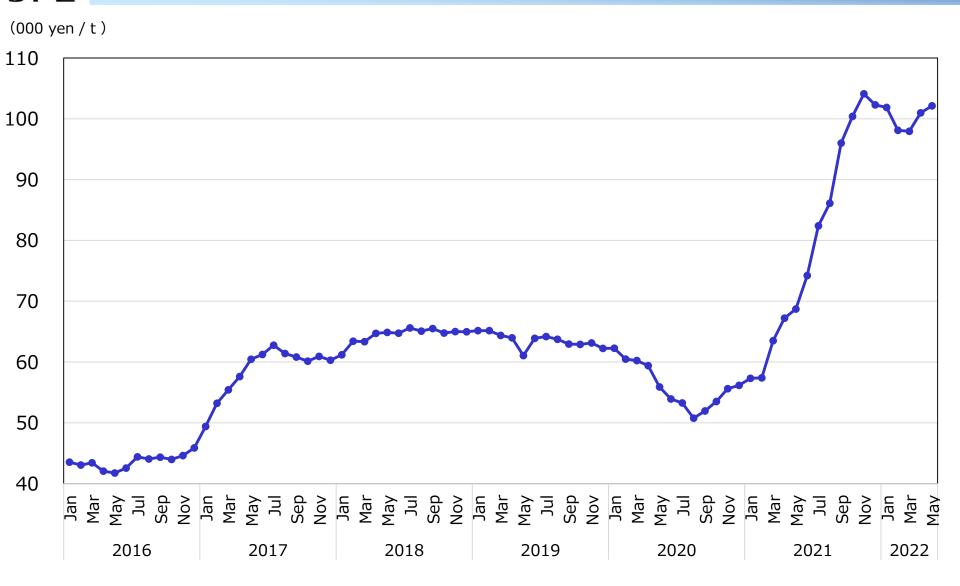
Domestic Market Environment

Trend of Import Steel (Ordinary Steel)





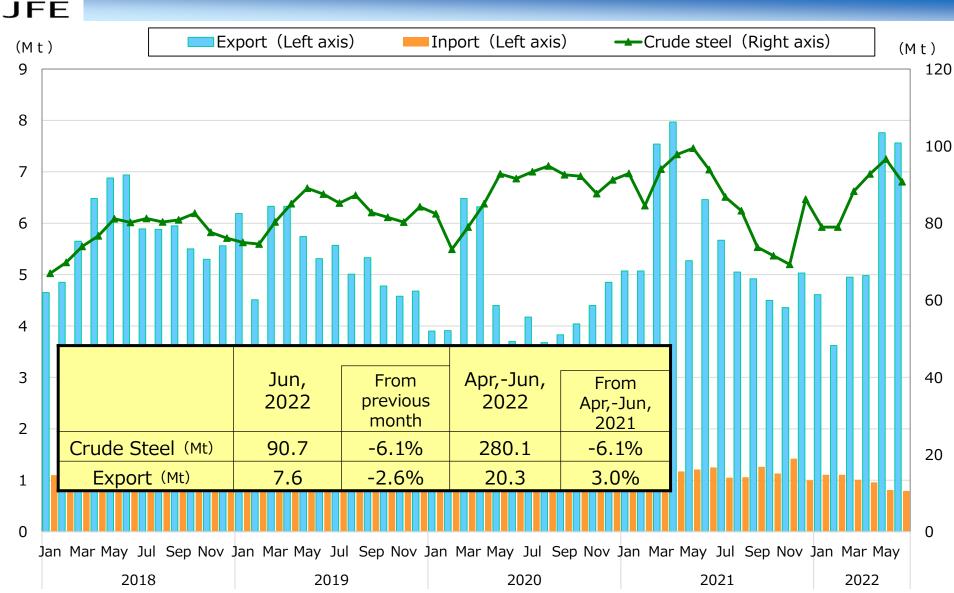
Price Trend of Import Steel



Data: The Japan Iron and Steel Federation Import Steel from S. Korea



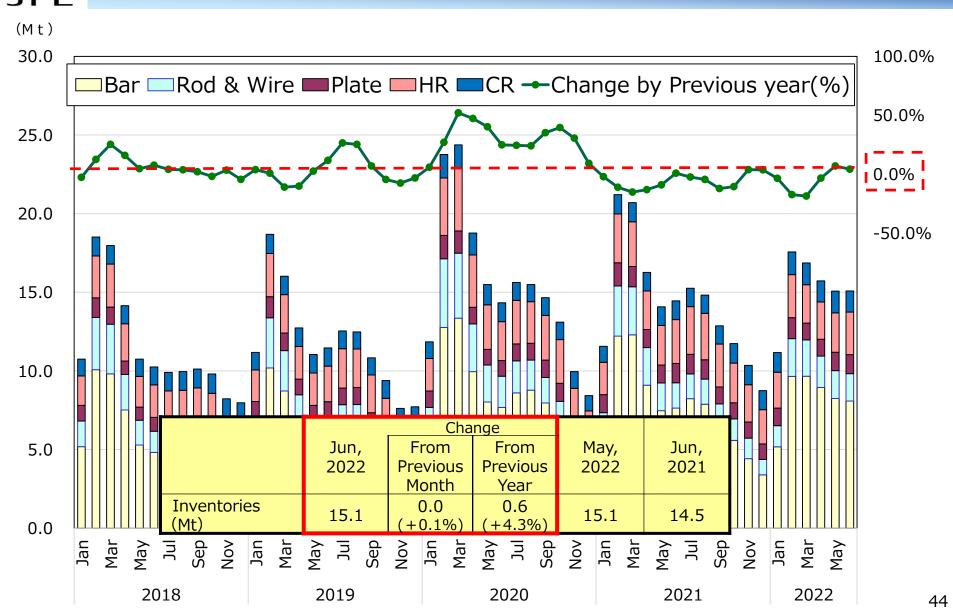
Crude Steel & Im/Export, China





Overseas Market Environment

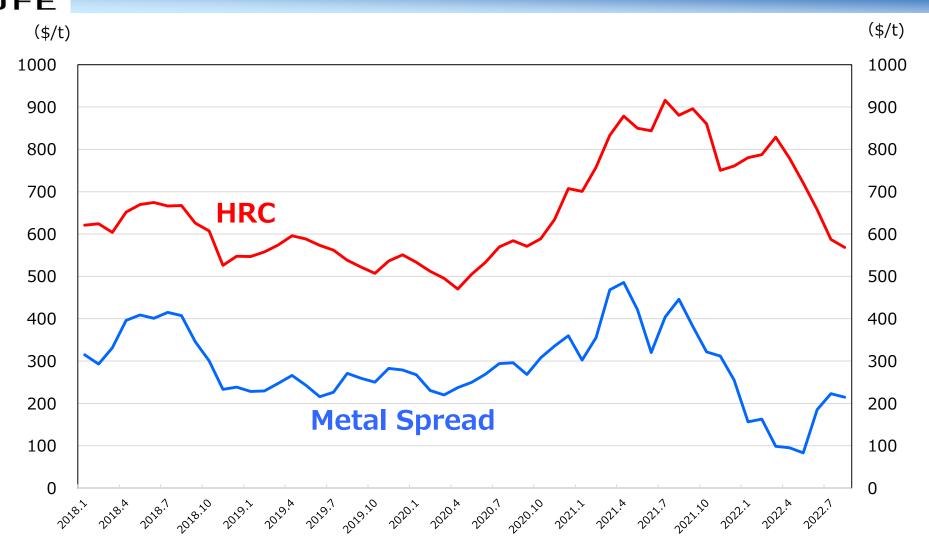
Inventories in China by Product







Metal Spread Trend (Chinese Spot Basis)



Metal Spread = HRC Price - Raw Materials Cost

Raw Materials Cost: Calculated from market price of Iron Ore and Hard Coking Coal

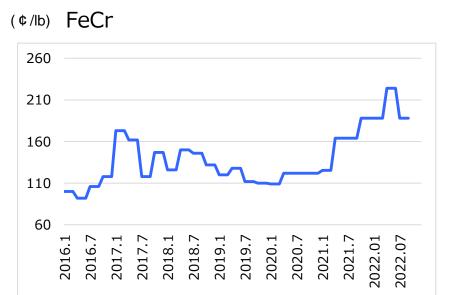
^{*}HRC Price: Chinese Spot basis



Raw Materials

Trend of Sub Material's Market Price

JFE

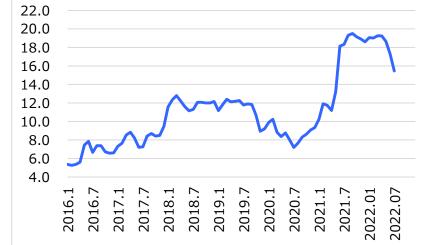




(US\$/t)FeMn





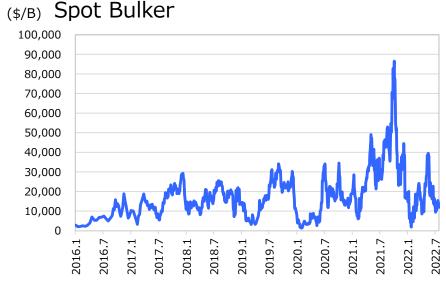


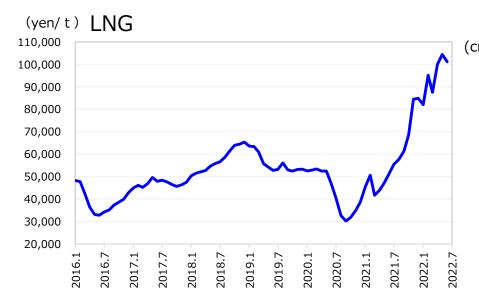


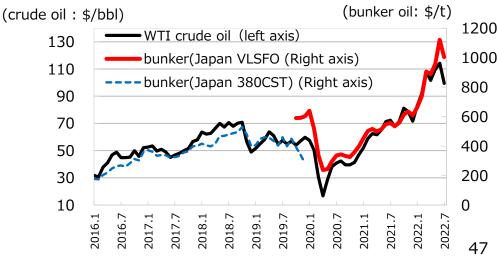
Raw Materials

Trend of Sub Material's Market Price











Progress of Initiatives of Steel Business (Structural Reforms and Strategic Investment in Japan)

Faci	lities		∼FY19	FY20	FY21	FY22	FY23~
	Keihin District	Upstream Facilities					↑ To be shut down (~Sep. 2023)
Structural Reforms		Hot rolling Facilities					☆ To be shut down (~Sep. 2023)
tural rms		Cold-rolling & Hot-dip Galvanizing Facilities	☆ :	Shut dow	ned	Facilities was a	ufactuuine ataal alaast fau
	Chiba District	Tin Mills	☆	Shut dow (2CAL·2ET	ned ^{L)} Kurashik	cans to be shu	ufacturing steel sheet for ut down (~Sep.2022)
	Chiba & Kurashiki	Blast Furnace Refit			No.4 BF(iba Refit .6 BF(Sep.2022~Jan.2023)
	Kurashiki District	Continuous Casting Machine				new Continuous Iachine (Jun.2021	
Strategic		Extra-thick steel plate for offshore wind-power application					Iforce extra-thick steel plate oduction line (Nov. 2023)
		Electrical Steel Sheet Facilities					FY24 Reinforce Non-oriented Electrica
nves	Fukuyama District	Coke Oven	☆ Re	newed .3 Coke Ov	Renewed en(A) Oven(B)	No.3 Coke (Jun.2021)	Steel Sheet Productio Line
Investments		Sintering Machine	☆ Insta	alled new S	intering Machine		
nts		Energy Plants			stalled No.2 power g wer	enerator in Joint The	rmal
		Ferro Coke Production Facility		—	Develop ferro coke	production technolog	DIV .
	Overseas	Mexico NJSM	☆	Begun Ope	rating CGL for Aut	omotive Applicatio	ns

49



Orders by Business Area

505.8

Total

550.0

(bn.) FY2021 FY2022 **Business** Change Main Orders received in FY2022 1Q Area Actual **Forecast** Renewal construction of domestic waste treatment plant 16.1 [Hokkaido] Waste 203.9 220.0 to Construction works of overseas waste treatment and Resource power plant [Germany, UK] Carbon 87.4 77.0 (10.4) Neutral Combined 18.0 4.6 13.4 Utility Service Core Construction works of fuel feeding pipe for LNG power 33.9 plant [Hyogo] 201.1 235.0 Infrastracture Construction works of overseas bridge [Ghana]

44.2



Links to the reports published during FY2021

Report	URL	QR code
JFE Group REPORT 2021	https://www.jfe- holdings.co.jp/en/investor/library/gro up-report/index.html	
JFE Group CSR REPORT 2021	https://www.jfe- holdings.co.jp/en/csr/data/index.html	
JFE Group CSR REPORT 2021 ESG Data	https://www.jfe- holdings.co.jp/en/csr/pdf/2021/2021 _08.pdf	
DX REPORT 2021	https://www.jfe- holdings.co.jp/en/investor/library/dxr eport/index.html	

Appendix(3) The 7th Medium-Term Business Plan



Mid/long-term directions

Biggest transformation in company's history aimed at achieving global success

JFE's corporate vision Contributing to society with the world's most innovative technology

JFE's mission

To be essential to society's sustainable development and to create safe, comfortable lives for people everywhere



(helping to solve critical issues)



Economic sustainability

(stable earnings power)

Ensuring environmental & social sustainability and establishing economic sustainability will enable to ensure the resiliency of JFE's operational foundations and allow the company to achieve sustainable growth and increased value over the mid/long-term.



Initiatives to achieve environmental and social sustainability (helping to solve critical issues)

JFE Group Environmental Vision for 2050

- Aim to realize carbon neutral by 2050, taking climate change as <u>an</u> <u>extremely important business concern for JFE</u>
- Accelerate R&D in new technologies and strive to create <u>super-innovative technologies</u>
- Contribute to the reduction of CO₂ emissions in society and use this as a business opportunity to increase corporate value
- Work systematically to combat climate change under <u>TCFD philosophy</u>

S

Solve issues impacting society

- 1. Safety/health management
- 2. Facilitate employee participation
 (Diversity & Inclusion, Personnel development, Workstyle reforms)
- 3. Contribute to regional societies through engineering
- **4. Respect human rights throughout supply chain** (Conduct human-rights due diligence from FY2021)

G

Enhance corporate governance

Consider how to apply non-financial metrics in terms of director compensation and investment decisions etc.



JFE Group Environmental Vision for 2050







Toward Carbon Neutrality by 2050 JFE Group Environmental Vision for 2050

(GX Investment during 7th mid-term business plan : 340 billion yen)

GX: Green transformation

1. Key environmental initiative under 7th mid-term business plan

 Steel business: Reduction of CO₂ emissions by 18% by the end of FY2024 (vs. FY2013)

2. Carbon Neutrality by 2050

- Reduce CO₂ emissions at JFE Steel
 - Pursue super-innovative technology for carbon-recycling blast furnaces and CCU
 - Develop hydrogen-based ironmaking (direct reduction) technology etc.

2 Expand contributions to CO₂ emissions reduction in society

• Engineering business: Expand & develop renewable-energy power generation and carbon-recycling technologies.

Targets to contributions to CO2 emissions reduction

FY2024 12 Mt

- Steel business: Develop & market eco-products and eco-solutions. FY2030 25 Mt
- Trading business: Increase trading in biomass fuels, steel scrap, etc. and strengthen business in SCM for eco products.

 SCM: Supply Chain Management
- **3** Groupwide commercialization of offshore wind-power business



JFE Group's activities for Carbon neautrality



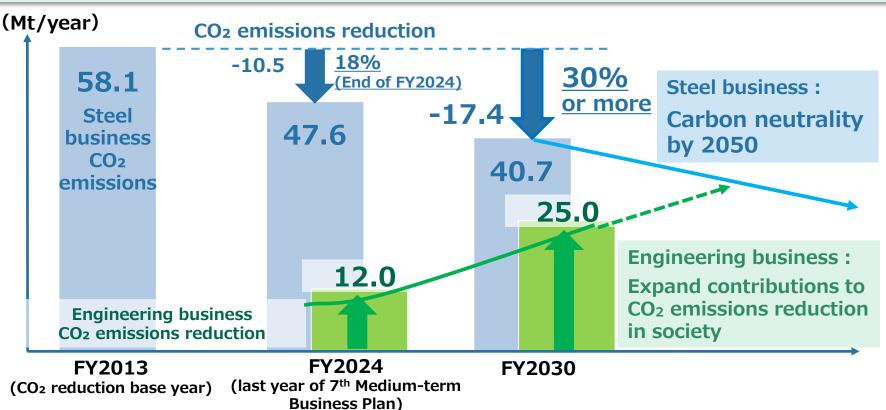




Steel Business: CO₂ emission reduction by 18% at the end of FY2024 (vs. FY2013)

Through <u>decarbonization in steel manufacturing processes</u> etc., JFE Group aims to be carbon neutral.

Engineering Business: Contribute to carbon neutrality in society on the whole by **expanding**JFE Engineering's contributions to CO₂ emissions reduction resulting from its business such as development of renewable-energy generation and carbon recycling technologies.





[Steel Business] Roadmap for Carbon Neutrality





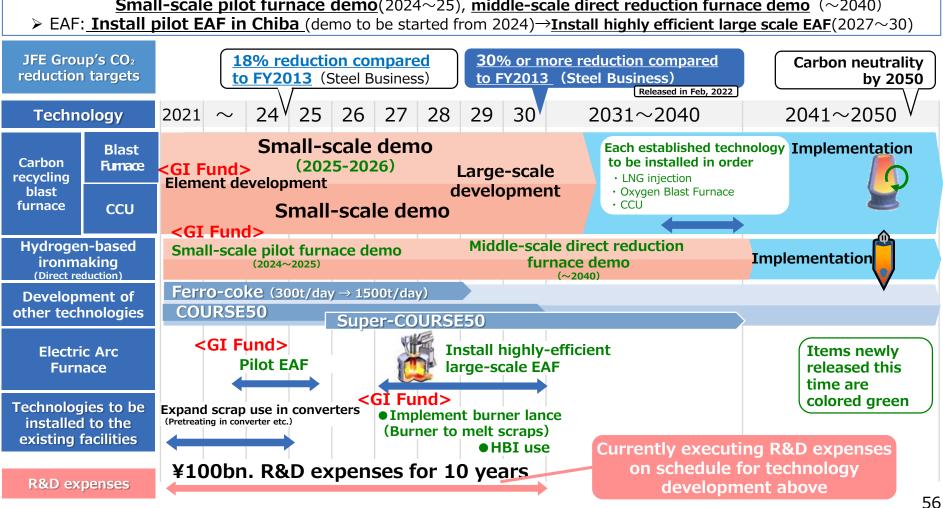




Revised our roadmap for realizing carbon neutrality in 2050, considering installing the technologies below in the concrete:

- > Carbon recycling blast furnace: Each established technology to be installed in order (late 2030s)
- > Hydrogen-based ironmaking:

Small-scale pilot furnace demo($2024\sim25$), middle-scale direct reduction furnace demo (~2040)





Carbon-recycle Blast Furnace

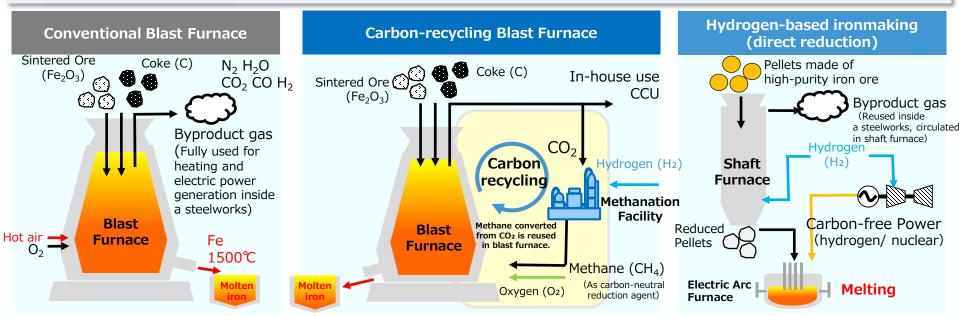






JFE

- <u>Technologies for reducing CO₂ emissions from blast furnaces are necessary</u> to maximize blast furnaces' advantages such as mass production, high-efficiency production, and high-grade steel production
- Combining carbon-recycling blast furnace with CCU enables to reuse CO₂ inside a steelworks by using raw
 materials of the same grade as those used in conventional blast furnaces. By doing so, JFE aims to achieve net
 zero carbon emissions.



	Conventional Blast Furnace	Carbon-recycling Blast Furnace	Hydrogen-based ironmaking (direct reduction)
Capacity	4M t / BF-year	4M t / BF-year (on par with Conventional BF)	2M t/ Shaft Furnace-year (current direct reduction ironmaking basis)
Reducing Agent	Coke + Pulverized Coal	Coke + Recycled methane (CH ₄)	Hydrogen (H ₂)
Raw Materials	Low-grade raw materials possible.	Low-grade raw materials possible.	Limited (High-grade iron ore)
CO ₂ Emissions	2/t-CO ₂ /1-ton of pig iron	Target: Zero (CO ₂ reduction in BF+CCUS)	Target: Zero (Carbon-free method)



Groupwide commercialization of offshore wind-power business

(Study feasibility)





JFE-HD



- Become a pioneer in offshore wind-power generation business by commercializing manufacture of monopile and other seabed-fixed structures.
- Establish groupwide supply-chain such as monopile-structure manufacturing and O&M
- Aim to expand renewable energy business by leveraging group synergy effect, taking JFE Engineering as a main driver.

O&M: Operation and Maintenance. Apply expertise of maintenance and analysis technologies.

JFE Engineering

Manufacture and market monopile and other seabed-fixed structures for offshore wind-power generation



Provide steel products

JFE Steel

Increase capacity for heavy, extrathick steel plate for offshore windpower applications

Utilizing NO.7 new continuous-casting equipment in Kurashiki district (Start operating in FY2021)

Provide steel products

Carry out SCM Provide steel products

JFE Shoji

Contribute to groupwide cooperation by carrying out SCM of steel materials and processed products for offshore wind-power generation

Carry out SCM

Subsidiaries/ Affiliates

JMU: manufacture power-generation floating structures and construct work vessels. **Groupwide**: O&M making maximum use of group resource

Social sustainability: Safety management, HR issues







Salety management Further increase efforts to prevent accidents not only <u>by using facilities</u> but also through <u>safety education and obedience of rules</u>, in order to <u>achieve</u> <u>top-priority goal of zero major accidents</u>.

Groupwide investment for safety issues: Approx. <u>10 billion yen/year</u> Implement multifaceted health/safety management using advanced IT (monitoring, detection, etc.).

Facilitate employee participation

Proceed following initiatives in order to allow employees to maximize performance and enhance groupwide competitive advantages

Diversity & Inclusion	Maximize capabilities of employees with diverse background
Personnel development	Improve individual abilities and develop skills for global competence
Workstyle reforms	Create workplaces and internal structures to maximize employees potential and enable them to work safely and confidently



Social sustainability: Contribution to Regional Societies through Engineering Business







JFE

- Expand bases of <u>local production and local consumption business</u> (<u>Food-recycling</u> business and regional PPS business)
- Contribute to the regional society considering to expand combined utility service business in the future.
- Realize circular economy by developing this business

(Example) Local PPS Business: Smart Energy Kumamoto

Points

- **Local production** of energy for **local consumption** (Local generation of renewable-energy power to be consumed in the regional societies)
- 2. Return economic merits to the city fund. (Investment for renewable energy and energy saving by citizen)
- **3.** Strengthen <u>disaster prevention and energy saving</u> (Establishing self-supporting energy supply line**, using storage battery)





Eastern waste disposal factory

- Demand: 226 public facilities in the city Energy source
- Western waste disposal factory: 5,980kw Eastern waste disposal factory: 10,500kw

Charge/Discharge (optimized control)



Storage battery



Establish economic sustainability (stable earnings power)

Establish <u>sufficient profitability</u> and <u>stable financial base</u> for <u>proactive business operation</u> for the mid/long-term growth

- 1. Shift focus of domestic steel business from quantity to quality —Pursue world-class earnings power
 - Achieve world-class cost and quality competitiveness
 - Expand margins and achieve stable profit
- 2. Promote growth strategies
- 3. Significantly enhance competitiveness <u>through</u>
- 4. Balance <u>financial soundness with effective</u> <u>investment</u> based on a "select and concentrate" approach



7th mid-term business plan <Steel Business>

Aim to achieve world-class per-ton profit and enhance strategies for global growth Promote innovation for carbon neutrality

Main initiatives

- 1. Transition to a lean, robust business structure by shifting focus from quantity to quality
- 2. Expand and accelerate overseas business via solutions based on knowledge, skills, and data
- 3. Use digital technology to strengthen production base and strategies for new growth
- 4. Pursue innovation aimed at achieving carbon neutrality

Targets FY2024

Per-ton profit 10,000yen/ton* (Segment profit ¥230.0bn.)

*Segment profit / unconsolidated sales volume in tons

Cf. 2H of FY2020 (actual)

- Per-ton profit 6,000 yen/ton
- Segment profit ¥70.8bn.

Equipment & Business Investment: 1,080bn. over 4 years

- 40% for GX, DX, equipment modernization and profitability improvements (6th mid-term actual:20%)
- 30% for maintenance investments (6th mid-term actual:50%)



Transition to a lean, robust business structure by shifting focus from quantity to quality

Improve <u>per-ton profit</u> by both <u>fixed cost reduction</u> and <u>increase of high value-added products ratio</u>, and <u>enhance earning base</u>.

Achieve world-class cost and quality competitiveness

- Cost reductions: ¥120bn. over 4 years
- Labor productivity: +20%
 (13% via structural reform + 1,670→2,000t/person/year via DX etc. Number of employees: 16,000→13,000)
- Establish profit base that is resilient to changes in economic conditions by completing structural reforms
 - Greatly reducing fixed costs
 - Lowering breakeven points
- Introduce new technologies through DX
 - Improve production efficiency and vields
 - Greatly improve labor productivity
- Ensure quality competitiveness by improving product quality, production efficiency and our delivery

Expand margins and achieve stable profit

• Increase mix of highly value-added products* to an unprecedented 50%

*Products that offer technological advantages, are recognized by customers for their value added and have greater earnings power than commodity products.

- <u>Product-mix enhancements</u> by focusing on selective concentration in priority fields
 - Increase non-oriented electrical steel sheet production capacity
 - Increase capacity for heavy, extra-thick steel plate for offshore wind-power applications
 - Production of high-tensile steel sheet for automotive
- Fully overhaul our sales pricing

Ensure that products offering the type of high value that customers seek are suitably recognized in the market, based on which we aim to fully overhaul our sales pricing



Expand and Accelerate Overseas Business

- Expand returns from <u>1. vertical specialization business</u> such as steel production applied for automobiles
- Further deepen integrated production in high-demand market (2. "Insider" business)
- <u>Expand 3. solution business</u>, in which we provide cutting-edge technologies, operations and research knowhow <u>(aim to triple earnings in FY2024 compared to FY2020)</u>

India

JSW

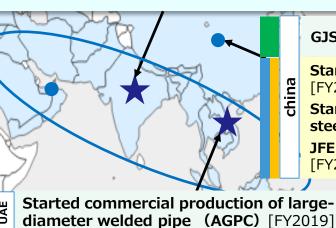


- · Investment in 2009 (current equity ratio 15%)
- Further deepen direct participation such as beginning FS of establishing a grain-oriented electrical steel sheet manufacturing company

1. Vertical specialization business

2. "Insider" business

3. Solution business



GJSS started renewal construction [FY2020]

Started JV of production of iron powder (BJCMX) [FY2018]

Started JV of production and sales of specialty bar steel (BJSS)[FY2019]

JFE Chemical Established JV of anode materials [FY2019]

Mexico

NUCOR-JFE STEEL MEXICO Began Operating Hot-dip Galvanized Steel Sheet Production Facility for Automotive Applications[FY2019]



FHS



JSGI (Indonesia) ·JSGT (Thailand) production and sales of galvanized steel sheet and cold-rolled steel sheet for automotive

Investment in 2015 (current equity ratio 4%)





Examples of Steel Business's Critical Initiatives: Strategy to Capture Growing Demand for Electrical Steel Sheet



To expand non-oriented electrical steel sheet (N/O) production capacity Released April 1, 2021

To conduct FS of grain-oriented electrical-steel-sheet JV with JSW in India

Released May 7, 2021

JFE Steel decided that it would <u>expand the</u> <u>electrical steel sheet production capacity</u> of its West Japan Works (Kurashiki District) amid <u>increasing demand for high-grade N/O</u> applied for EV and HEV motors.

<Demand forecast of high-grade N/O>

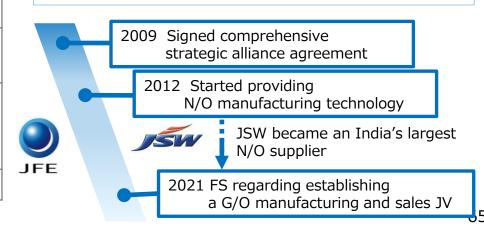
The global movement to tighten and accelerate environmental regulations will rapidly increase demand for high-grade N/O, which are essential for production of motors that drive electric vehicles.

CAPEX	Approx. 49.0bn.
Expected time to start production	1H of FY2024
Expected capacity	Doubling the facility's existing capacity for producing high-grade non-oriented electrical steel sheet
CO ₂ reductions	Approx. 1.5Mt-CO ₂ /Year*

JFE Steel signed a memorandum of understanding to conduct a feasibility study with JSW, JFE's strategic alliance-partner in India, regarding establishing a G/O manufacturing and sales joint-venture-company in India.

<Demand forecast of G/O>

Demand for G/O, which are used for the iron cores of power transform, is expected to grow globally amid continuous increase in demand for electric power and expansion of reusable energy. (Economic growth in India is estimated to boost its local demand for electric power.)





JFE Group-wide Strategy to Capture Growing Demand for Electrical Steel Sheet (Steel Business and Trading Business)

JFE Steel

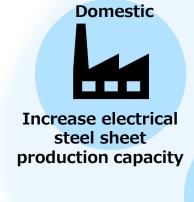
Production of electrical steel sheets

Expand production and supply function of high value-added electrical steel sheets

JFE Shoji

Processing and distribution of electric cores

World's No.1 global distribution and processing system



Sharing Strategies



Expand collaboration with alliance partners



Production & sales JV with India's JSW for electrical steel sheets

Synergy



Expand processing functions in coil centers

Groupwide Strategy: Capture increasing demand for high value-added electrical steel sheets both in domestic and overseas market

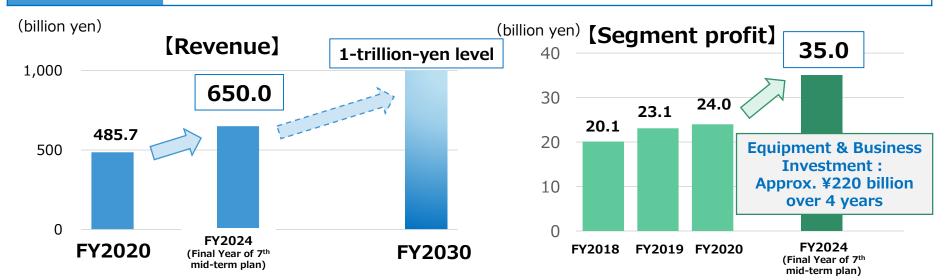


7th mid-term business plan < Engineering Business>

Expand sales revenue to 1-trillion-yen level in FY2030

Targets FY2024

- Revenue
- **Segment Profit**
- 650.0 billion yen
 - 35.0 billion yen



Main initiatives

- 1. <u>Enhance mid/long-term priority areas</u> (See next page) Waste to Resources, Carbon-neutral business, Combined utility service, Core infrastructure
- 2. <u>Expand overseas business</u> enhance EPC competitiveness, engage in ODA, pursue M&A synergies in chemical plant field, participation in local business in environmental, water and recycling fields
- 3. Promote DX initiatives



Engineering Business's Main initiatives -Enhancing mid/long-term priority areas-

- Expand engineering business as a growth sector by helping to solve pressing issues in global society, in view of increasing importance of the environmental, recycling and renewableenergy fields.
- Expand revenue and profit by setting the following four priority areas:

Waste to Resource

FY2024 revenue target ¥290 billion

- Establish stable profit base in domestic environment business
- Priority investment and expansion of domestic market in recycling **business*** *Food, Plastic, Incineration and Power generation



Carbon Neutral

FY2024 revenue target ¥80 billion

- Put priority in renewable energy (offshore wind-power generation, biomass power plant, solar power plant, geothermal power plant etc.)
- Develop carbon neutral technologies.



Combined utility services

FY2024 revenue target ¥20 billion

Shift to comprehensive business model, including for efficient operation of facilities to contribute to energy savings and decarbonization



Core infrastructure

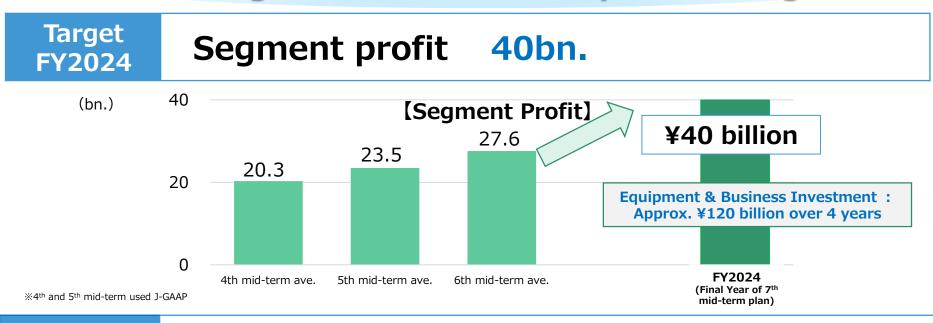
FY2024 revenue target ¥260 billion

- New technologies to address newly arising needs for strengthening and improving life of infrastructure
 - Strengthening of existing infrastructure →install new product and method for construction
 - Improving life of existing infrastructure→install new materials and new products
- 1. Waste to Resource: Recycling and waste-to-power generation etc. 2. Carbon neutral: Renewable energy, carbon recycling etc.
- 3. Combines utility services: contribute to the local-production and local-consumption (circular economy) by mutual combination among various operation and maintenance business such as water, gas, electricity supply and recycling business/
- **4.** Core infrastructure: infrastructure business to establish social foundation such as bridge and pipeline.



7th mid-term business plan <Trading Business>

Establish growth foundation by enhancing SCM



Main initiatives

1. Proceed key strategies for growth

Establish No.1 position in global processing & distribution of electrical steel sheet, Strengthen SCM of automotive steel composite materials, Accelerate efforts in overseas construction materials business, Fully capture steel demand in Japan

2. <u>Strengthen purchasing & sales capabilities</u> (expand non-JFE Steel business)

Increase sales of both JFE group products and alliance-partner products as well as actively expand business with other suppliers' products

3. Seize new business opportunities

Expand environmental-solutions business, DX initiatives



Trading Business's Main initiatives

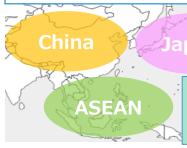
-Key Strategies for growth, Strengthen purchasing and sales capabilities-

Strengthen SCM of Automotive steel

<u>Enhance SCM for high-tensile steel</u> both in overseas and domestic market to <u>increase</u> sales of JFE's strategic products

Further collaboration with JFE Steel both in domestic and overseas market

 Along with the EV and HEV promotion and increasing needs for lighter body of automobiles, application volume of high-tensile steel for automotive is expected to increase because of its characteristics and environmental-friendly advantages.



Strengthen SCM along with groupwide optimum business across four-pillar regions

US

Accelerate efforts in overseas construction materials business

 In ASEAN and North American regions, <u>expand</u> <u>trading</u> in this sector and <u>collaborate with local</u> <u>companies</u> to strengthen business foundations.

Fully Capture steel demand in Japan

Increase earnings by enhancing JFE Group's presence through expansion of function (quality) and additional trading (quantity)

Strengthen processing and distribution in domestic steel business

- <u>Strengthen SCM</u> continue to strengthen collaboration beyond group boundaries and establish optimum processing and distribution system
- Widen processing functions to expand business expand capabilities including secondary and tertiary processing to build strong foundation to meet various types of clients' needs

Pursue the best sales structure by sharing strategies with JFE Steel in the domestic market, which is the most critical

Expand non-JFE Steel business

Aim to expand business to meet clients' needs.
 Increase sales of both JFE group products and alliance-partner products as well as actively expand business with other suppliers' products



JFE Group's DX strategies

JFE

- Promote DX in every business area such as <u>advancing productivity through</u> <u>innovation</u>, <u>transforming exiting businesses</u> and <u>creating new businesses</u>.
- Proactively invest money and human resource necessary for DX :

DX investment approx. 120 billion yen over 4 years

JFE Steel

Use digital technology to streamline production operations and implement new growth strategies

Target

Labor productivity: 20% improve*

*FY2024 structural reform 13%+ DX effects etc.

Invest ment 115 billion yen over 4 years

JFE Engineering

Digitalize entire business and provide new digital services to customers.

Target

Design efficiency: 20% increase in FY2024

JFE Shoji

Improve customer service, pursue new businesses by leveraging DX

<JFE Steel's initiatives>

- Enhance competitiveness by introducing cyber-physical systems on all production lines
 - Improve production efficiency, labor productivity and yield ratio etc.
- Utilize digital technologies to <u>raise customer satisfaction</u> through <u>quality</u> <u>enhancements and better delivery services</u>.
- Actively expand <u>solutions businesses</u>



Balance Financial Soundness with Effective Investment based on a "select and concentrate" approach

- Selective maintenance investment, focusing on investments for enhancing competitiveness and establishing stable profit base
- **Ensure earning source by asset compression**

Equipment & Business Investment about 1,450 billion yen over 4 years

 <u>Equipment investment</u>: Approx. <u>1,200 billion yen</u> over 4 years GX: About ¥340 billion over 4 years*, DX: About ¥120 billion 4 years

Execute maintenance investment carefully selected from the perspectives of effectiveness and necessity Shift focus on investment for improving profitability and cutting-edge facilities

Business investment: About 250 billion yen over 4 years

Steel business: expand overseas insider businesses, Engineering business: expand operation & maintenance business and overseas business

Trading business: business investment including M&A for increasing earnings from processing and distribution business

*Steel Business: ¥160 billion Engineering Business: ¥130 billion Trading Business: ¥50 billion

Ensuring earning source

Generate cash by asset compression: Approx. 200 billion yen over 4 years Assets that contribute little to earnings or are tied to unprofitable businesses**

Returns to shareholders 3.

Dividend payout ratio: Around 30% on par with the target during 6th mid-term business plan

^{**}Regarding development plans for partial area of Keihin district resulting from structural reform (Ogishima area): We will disclose development plans in FY2023, and strive to see some properties put to new use by FY2030.



Main Financial Data and Performance & Profitability Targets

		7 th mid-term business plan FY2024	FY2020 Actual
	Business profit	¥ 320.0 billion	¥ -12.9 billion
ate	Profit attributable to owners of the parent	¥ 220.0 billion	¥ -21.8 billion
olid	ROE	10%	-1.3%
Consolidated	Debt/EBITDA	About 3x	8.1x
	D/E*1	About 70%	93.2%
ting	Steel business Profit per ton*2 Segment profit	10,000 yen/ton ¥ 230.0 billion	-3,000 yen/ ton ¥ -65.4 billion
Operating companies	Engineering business Segment profit Revenue	¥ 35.0 billion ¥ 650.0 billion	¥ 24.0 billion ¥ 485.7 billion
	Trading Business Segment profit	¥ 40.0 billion	¥ 20.0 billion
	Payout ratio	7 th mid-term business plan Around 30%	6 th mid-term business plan Around 30%

^{*1} For liabilities with equity subject to credit ratings, these equities reflect the evaluations of rating agencies

^{*2} Steel business profit per ton (consolidated segment profit / non-consolidated sales volume)

