Financial Results for FY 2015

- From April 1, 2015 to March 31, 2016 -

Representative Director, President

Yukio Uchida

Director, Senior Vice President

Kunimitsu Oba

May 11, 2016



Agenda



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Summary of Financial Results for FY 2015



(vs Forecast announced in Feb.)

Ordinary income excluding inventory valuation increased, due to cost reduction and improved petrochemical margins.

Key Factors(Jan.-Mar., 2016)

	Previous Forecast (Announced in Feb.)	Actual
Crude Price (\$/Bbl)*	30	30
Copper Price (¢/lb)	200	212
Exchange Rate (yen/\$)	120	115

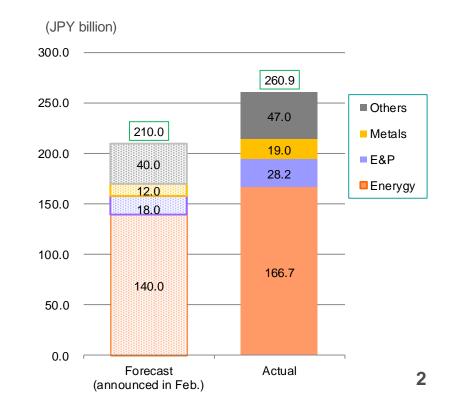
^{*}Average from March to February

Ordinary Income(Loss) / Net Income(Loss)

(JPY bilion)

	Previous Forecast (Announced in Feb.)	Actual
Ordinary Income(Loss)	(55.0)	(8.6)
- Inventory Valuation	(265.0)	(269.5)
Ordinary Income(Loss) excl. Inventory Valuation	210.0	260.9
Net Income(Loss)	(330.0)	(278.5)

Ordinary Income excl. Inventory Valuation by Segments



Summary

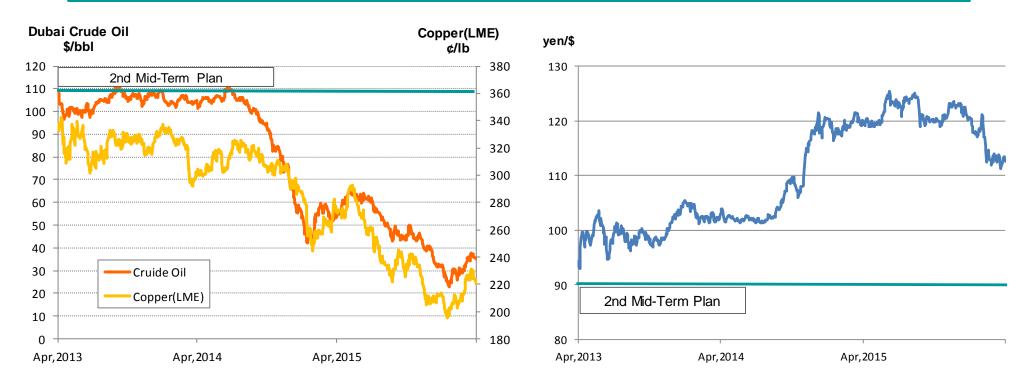


Review of 2nd Medium-Term Management Plan (Business Environment – Resource Prices/Exchange Rate)

Crude Oil Price/Copper Price

Exchange Rate

Business environment surrounding JX group has radically changed.



Summary

Review of 2nd Medium-Term Management Plan



Basic Policy

On the premise of establishment both of proper governance backed with thorough compliance and CSR implement structure.

	Review
Profitability	FY2015 Ordinary Income excl. Inventory Valuation : (Target) 400.0bn yen or more -> (Actual) 260.9bn yen
-Securing stable profitability in existing business by realizing overwhelming competitiveness through continuous restructuring and stable operation -Realizing return from invested projects	FY2015 ROE: (Target) 10% or higher -> (Actual) (16)% -The target of upstream business was unachieved, due to decline of resource prices and delay of the stable operation of Caserones. -Mid/downstream businesses exceeded the target, due to cost reduction and efficiency by restructuring and yen depreciation, despite lower margin of petroleum products caused by time lags. -Inventory losses and impairment losses accrued, due to dropped resource prices.
Growth	FY2013-2015 total CAPEX: (Target) 1,300+α bn yen -> (Actual) 1,240bn yen
Allocating management resources to highly profitable and developing operations on priority basis	-Controlled CAPEX within the target, despite increment by yen depreciationIt is necessary to more promptly and flexibly cut CAPEX and sell assets, when business environment changes.
Flexibility	End of FY2015 Net D/E Ratio: (Target) 0.9 times or lower -> (Actual) 1.4 times
Structuring stronger balance sheet corresponding to business environmental change	Balance sheet condition worsened compared to the target, due to inventory losses and impairment losses caused by dropped resource prices.



Review of 2nd Medium-Term Management Plan (Energy Business)

Basic Strategy

Strengthening profitability

- -Transformed Muroran Refinery into petrochemical plant.
- -Installed a solvent de-asphalting (SDA) equipment in Kashima Refinery.
- -Improved supply chain (saving energy, refining comparatively cheap crude oil, etc), and reduced fixed costs, etc.
- -Petroleum margins declined. -A refinery trouble occurred.

Basic Strategy

- Enhancing business as an energy conversion company
- -Expanded projects in new fields (joining the electricity retail sales for homes, spreading hydrogen supply stations).
- -Stopped technology development and production of fuel cell business.

Basic Strategy

Progressing the growth strategies

-Basic Chemical Products: Commenced commercial production of paraxylene at Ulsan Aromatics in South Korea.

-Lubricants: Strengthened abroad production and sales.





Challenges

Strengthening earning capacity and developing some businesses which can be primary sources of revenue in the future, as domestic petroleum demand continues to decline.



Review of 2nd Medium-Term Management Plan (Oil and Natural Gas E&P Business)

Basic Strategy

- Expanding reserves and production volume mainly through exploration
- -Commenced commercial production of Papua New Guinea LNG project. (Apr., 2014)
- -Commenced commercial production at Kinnoul oil field. (Dec., 2014)
- -Extended the contract term in Rang Dong oilfield in Vietnam and block SK10 in Malaysia.
- -The target of production volume was unachieved due to development delay of some projects and declines in production.

FY2015: (Plan) 136 thousand BD -> (Actual) 121 thousand BD

Basic Strategy

- > Establishing superiority by focusing core business area and technology
- Restructuring business portfolio responding to business environmental change
- -Decided to decrease the north sea assets in UK.
- -Joined CO2-EOR project.
- -Explored deepwater. (drilled well in Deepwater Block R in Malaysia, etc.)



Challenges

Improving earning capacity in the situation of low crude oil price.



Review of 2nd Medium-Term Management Plan (Metals Business)

Basic Strategy

- Resource Development:
 Establishing highly profitable structure by enhancing copper mine interest
- -Stable Operation of Caserones became delayed and income declined due to dropped copper price.

Basic Strategy

- Smelting & Refining:
 Establishing business structure that has world top-class cost competitiveness
- -Maintained the income by improving smelting margin and processes of the smelter.

Basic Strategy > Electronic Materials: Securing world's top share in each product market

- -Expanded the earning scale of existing products such as Sputtering Targets for LSIs and copper foil.
- -The profit target of new project (cathode materials) was unachieved. Carried out the restructuring of it and unprofitable electro-deposited copper foil business.

Basic Strategy

- Recycling & Environmental Services: Building international resource recycling business with environmental-friendly zero emission system
- -Increased the overseas collecting rate of materials for recycling.

Basic Strategy

- Titanium: Carrying out restructuring
- -Moved into the black as the result of restructuring.



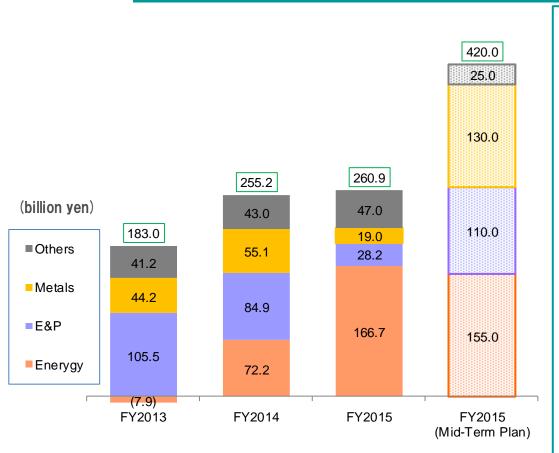
Challenges

Establishing stable operation of Caserones early, and strengthening earning capacity of mid/downstream businesses.





Ordinary Income excl. Inventory Valuation (FY2013-2015)



- <FY2015 (compared to 2nd Mid-Term Plan)>
- -Upstream: The target was unachieved, due to dropped resources prices and the delay of Caserones stable operation.
- -Mid/downstream: Exceeded the target due to cost reduction/efficiency through restructuring, and yen depreciation, despite refinery trouble and declined petroleum products margins mainly caused by time lags.

	FY2013	FY2014	FY2015	FY2015 (Mid-Term Plan)
upstream	128.0	103.0	4.0	177.0
mid/downstream	55.0	152.2	256.9	243.0
Total	183.0	255.2	260.9	420.0

Impairment Losses



Impairment Losses, etc. (FY2013-2015)

(JPY billion)

ltems	Amount	Background of the impairment losses
Upstream Impairment Losses	(369.6)	
Oil & Natural Gas E&P	(177.5)	
Copper Mine Development in Chile	(153.3)	Resources price declined
Coal Exploration and Production	(38.8)	

Restructuring	(110.0)	
Oil & Natural Gas E&P	(79.5)	Decided to decrease the north sea assets in UK
Fuel Cell	(20.6)	Stopped technology development and production of fuel cell business
Electro-deposited Copper Foil	(9.9)	Unifying production from general-purpose into highend products

- -Booked impairment losses due to dropped resources prices and the delay of Caserones stable operation.
- -Booked restructuring costs of unprofitable businesses (UK north sea, fuel cell, electrodeposited copper foil).

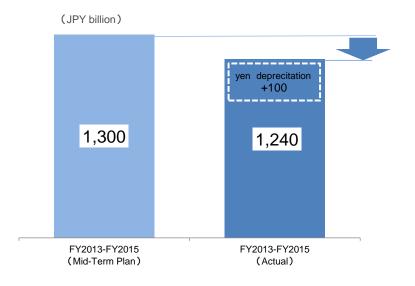
CAPEX, Cash Flow



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CAPEX

- -Decreased 60 billion yen
 - -Decreased by 160 billion yen compared to the plan
 - -100 billion yen increased due to yen depreciation



Cash Flow

-Free cash flows improved compared to the plan, due to working capital reduction because of dropped crude oil price, asset sales, and CAPEX reduction, though ordinary income target was unachieved.

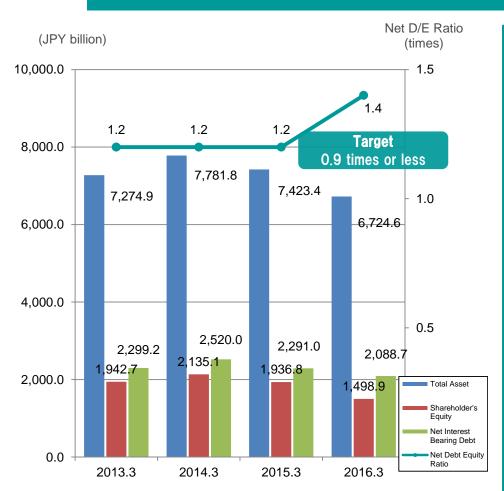
(JPY billion)	FY2013-FY2015 (Plan)	FY2013-FY2015 (Actual)
Ordinary income	1,100.0	143.6
Depreciation and amortization	650.0	608.6
Working capital and ohters	(330.0)	845.2
Cash flows from operating activities	1,420.0	1,597.4
CAPEX	(1,300.0)	(1,240.0)
Asset Sales	60.0	74.7
Cash flows from investing activities	(1,240.0)	(1,165.3)
Free cash flows	180.0	432.1

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Net D/E Ratio



Net D/E Ratio



- ◆ Net Interest Bearing Debt decreased, due to positive free cash flow, despite the increase of yen valuation of foreigncurrency-denominated debt.
- Shareholder's equity decreased, due to losses caused mainly by dropped resources prices*.

* (FY2013-FY2015 total)

-Inventory valuation losses: (555.5) billion yen

-Impairment losses on upstream business:

(369.6) billion yen

-Restructuring costs: (110.0) billion yen

-> Net D/E Ratio ended with 1.4 times: worse than the target

(Continuously, the goal of Net D/E Ratio is under 0.9 times, in the med- and long-term.)

Basic Policies in FY2016



Distribution of managerial resources, administration and generation of cash flows

CAPEX

- Decreasing CAPEX
 -Controlling CAPEX (after deduction of asset sales) within the amount of depreciation and amortization.
- Shifting CAPEX field allocation to mid/downstream business
- Dispersing risks by equalizing cash-out in each financial year

Improving balance sheet

Improving and slimming balance sheet by controlling CAPEX and accelerating asset sales.

Basic policies of each businesses

- Upstream: Decreasing CAPEX and restructuring, with selection and concentration. Securing the returns from already invested items (mainly Caserones).
- Mid/downstream : Strengthening earning capacity through efficiency and cost reduction.

Developing businesses based on technology.





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Purpose of business integration

Establish a strong company group that:

- Is among Asia's most prominent and internationally competitive total energy, natural resource and material companies
- Contributes to the development of a sustainable and vigorous economy and society

Dec. 2015

- -Execution of MOU
- -Establishment of Business Integration Preparation Committee

Aug. 2016 (Plan)

- -Determination of the integration ratio,
- -Execution of business integration agreement

Dec. 2016 (Plan) -Shareholders' meetings, required for the approval of the business integration

Apr. 2017 (Plan)

New company group starts

- Aim to achieve in excess of 100 billion yen in profit improvements per fiscal year within five years after the business integration
 - ⇒ Discuss and determine the detailed actions and targets prior to the execution of the business integration agreement

Integration Effects

^{*} Based on the premise of clearance from each of the authorities concerned

JX

Basic Policies in FY2016 (Energy Business)

■ Strengthening earning capacity of existing businesses

Petroleum refining and marketing

- -Strengthening through efficiency and cost reduction of supply chain.
- -Corresponding agilely to balance the demand and supply.

■ Developing businesses able to be primary sources of revenue in the future

Electricity business

-Strengthening a structure for sales, based on electricity retail sales for homes.

Southeast Asia business

-Incorporating Asia demand (investing in and cooperating with Petrolimex in Vietnam).

■ Engaging in developing businesses based on technology

Lubricants/ Specialty Chemicals

-Developing high-value-added products.



Decreasing CAPEX and restructuring (selection and concentration)

Area

- -Focusing managerial resources on the areas of competitive strength (Southeast and Middle East Asia).
- -Decreasing the north sea projects in UK.

Technology development

- -Focusing on CO2-EOR technology.
 - Steady start-up of US project, accumulation of technology and knowledge

Profitability

-Strengthening earning capacity to endure the situation of low crude oil price.



Basic Policies in FY2016 (Metals Business)

Securing returns from already invested items

Resource Development (Caserones)

- -Early stable operation and improvement of profitability.
- -Installing a consulting firm from outside.

Strengthening earning capacity of existing businesses

Smelting & Refining

-Establishing safe and stable operation and strengthening cost competitiveness by efficiency.

Electronic Materials

-Preserving and expanding the earning capacity with the advantage of technology in the existing field.

Recycling & Environmental Services

-Strengthening the domestic and oversees collecting network and securing the margins.

■ Engaging in developing businesses based on technology

Electronic Materials

-Developing market and technology, and strengthening sales for the coming IoT society.

Outline of Forecast for FY2016



- Upstream: Ordinary income is expected to decrease due to dropped resources prices.
- Mid/downstream: Ordinary income is expected to increase due to improvement of supply chain, despite yen appreciation.

Key Factors

	FY2015(Actual)	FY2016(Forecast)
Crude Price (\$/Bbl)*	47	40
Copper Price (¢/lb)	237	230
Exchange Rate (yen/\$)	120	110

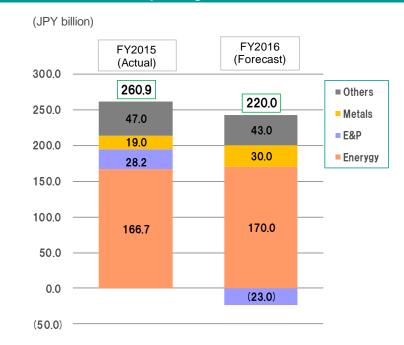
^{*}Average from March to February

Index

(JPY bilion)

	FY2015(Actual)	FY2016(Forecast)
Ordinary Income(Loss)	(8.6)	260.0
- Inventory Valuation	(269.5)	40.0
Ordinary Income(Loss) excl. Inventory Valuation	260.9	220.0
Net Income(Loss)	(278.5)	125.0
ROE	(16)%	8%
Net Debt Equity Ratio	1.4 times	1.4 times

Ordinary Income excl. Inventory Valuation by Segments



	FY2015	FY2016
Upstream	4.0	(40.0)
Mid/downstream	256.9	260.0
Total	260.9	220.0

Forecast of CAPEX, Cash Flow from FY2016 onward



CAPEX JPY billion FY2016 FY2016-(Forecast) FY2018 210.0 390.0 120.0 250.0 80.0 190.0 30.0 110.0 Others **CAPEX** total 440.0 940.0 **Asset Sales** (160.0)(100.0)**CAPEX** (after deduction of 340.0 780.0 asset sales))

* Plan of only JX

Cash Flow

	(Forecast)
Ordinary income	260.0
Depreciation and amortization	240.0
Decrease in working capital	(230.0)
-(included) the effect of non-business day	(90.0)
ash flows from operating activities	270.0

Cash flows from investing activities (290.0)

Free cash flows (20.0)



Free cash flows without the effect of non-business day 70.0

- Decreasing CAPEX

 generating cash flows by controlling capex (after deduction of asset sales) within the amount of depreciation and amortization in three years
 CAPEX: 780bn yen < D&A 800bn yen
- Shifting CAPEX field allocation -decreasing capex on upstream, and focusing on mid/downstream such as electricity, Southeast Asia business and businesses based on technology.
- Dispersing risks

 equalizing cash-out of investing cash flows in each financial year

Shareholder Return Policy



Basic Shareholder Return Policy

Redistribute profits by reflecting consolidated business results while striving to maintain stable dividends

Reference) Dividend from FY2010-2016

	2010	2011	2012	2013	2014	2015	2016 (Forecast)
Dividend (yen/share)	15.5	16.0	16.0	16.0	16.0	16.0	16.0
EPS (yen/share)	125	69	64	43	-111	-112	50



Financial Results for FY2015 (April 1, 2015 – Mar. 31, 2016)

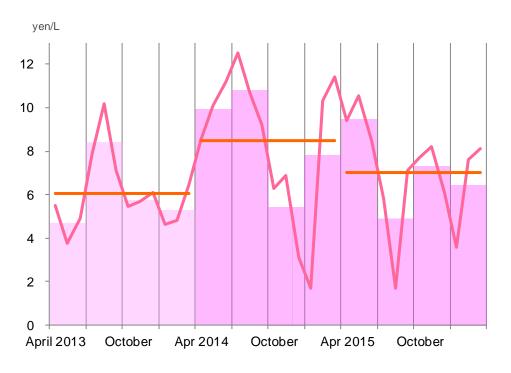
Business Environment Margin of Petroleum Products and Paraxylene

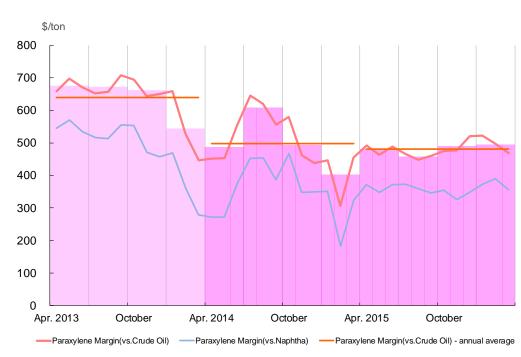


- Petroleum Products margin was below the plan due to time lag generated by crude oil rapid decline.
- Margin of Paraxylene (Jan.- Mar.) shifted steadily.

Margins of Gasoline, Kerosene, Diesel Fuel and Fuel Oil A

Margin of Paraxylene





Margin = Spot Price - All Japan Crude CIF (including petroleum tax and interest)

^{*} In case of ACP undecided, average price of spot market is adopted.

Outline of FY2015



* Average from March to February (nearly equal to arrived crude cost)

Crude Oil (Dubai)* (\$/bbl)

Copper (¢/lb)

Exchange Rate (Yen/\$)

Net Sales

Operating Income

Non-operating Income (Expenses), Net

Ordinary Income

-Inventory Valuation

Ordinary Income Excl. Inventory Valuation

Special Gain (Loss), Net

Profit attributable to owners of parent

FY2014 (Actual)

88 Jan.-Dec.2014 297 <311> Jan.-Dec.2014

< 106>

JPY Billion

10,882.5

(218.9)

110

68.8

(150.1)

(405.3)

255.2

(104.9)

(277.2)

FY2015 (Actual)

47 Jan.-Dec.2015 237 <250> Jan.-Dec.2015 120 <121>

JPY Billion

8,737.8

(62.2)

53.6

(8.6)

(269.5)

260.9

(321.4)

(278.5)

Changes

-47% -41

-60 -20% <-61> <-20%>

+9% <+15> +10 <+14%>

JPY Billion

-2,144.7-20%

+156.7

-15.2-22%

+141.5

+135.8

+5.7 +2%

-216.5

-1.3

Financial Results for FY2015

FY2014 Actual vs. FY2015 Actual Changes in Ordinary Income (Loss) by Segment



	FY2014 (Actual)	FY2015 (Actual)	Chan	ges
	JPY Billion	JPY Billion	JPY Billion	
Energy	(334.6)	(97.1)	+237.5	
- Inventory Valuation	(406.8)	(263.8)	+143.0	-
Excl. Inventory Valuation	72.2	166.7	+94.5	+131%
- Petroleum Products	57.1	89.1	+32.0	+56%
- Petrochemicals	15.1	77.6	+62.5	+414%
Oil and Natural Gas E&P	84.9	28.2	-56.7	-67%
Metals	56.6	13.3	-43.3	-77%
- Inventory Valuation	1.5	(5.7)	-7.2	-
Excl. Inventory Valuation	55.1	19.0	-36.1	-66%
Others	43.0	47.0	+4.0	+9%
Total	(150.1)	(8.6)	+141.5	
Excl. Inventory Valuation	255.2	260.9	+5.7	+2%

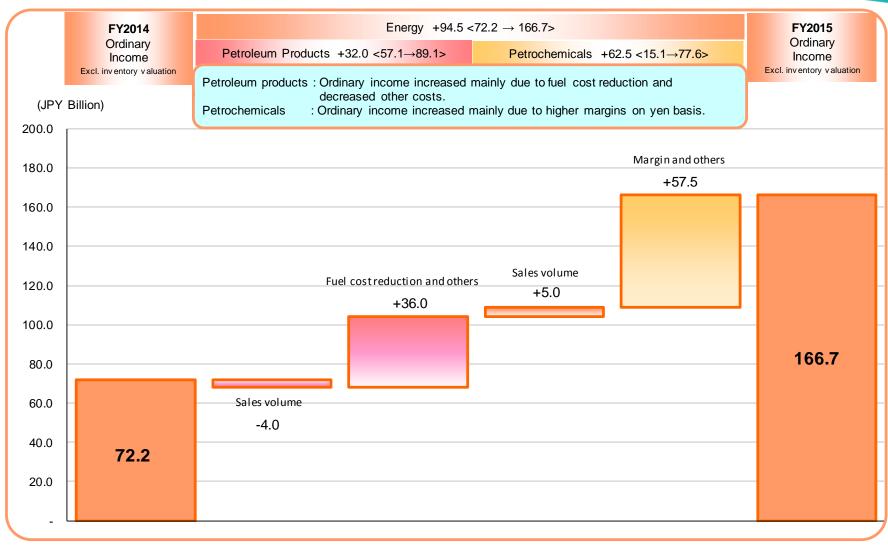
Breakdown of special gain and loss



		FY2014 (Actual)	FY2015 (Actual)	FY2015 (Forecast Anounced in Feb.)
Capital Gain		54.8	41.3	30.0
Impairment Loss and	Loss on valuation of shares	(86.2)	(248.6)	(235.0)
Energy	Coal E&P Business	(24.4)	(14.4)	(15.0)
E&P	(Details)	(23.3)	(154.2)	(140.0)
	-UK North Sea	(16.1)	(105.8)	(100.0)
	-USA	_	(38.5)	(30.0)
	-Southeast Asia, Oceania	(7.2)	(9.9)	(10.0)
Metals	Chile Caserones	(38.5)	(80.0)	(80.0)
Restructuring Costs (upstream business)		-	(79.5)	(80.0)
Other Special Gain a	nd Loss	(73.5)	(34.6)	(35.0)
Special Gain an	d Loss (Net)	(104.9)	(321.4)	(320.0)
<u>-</u>				(JPY billion)

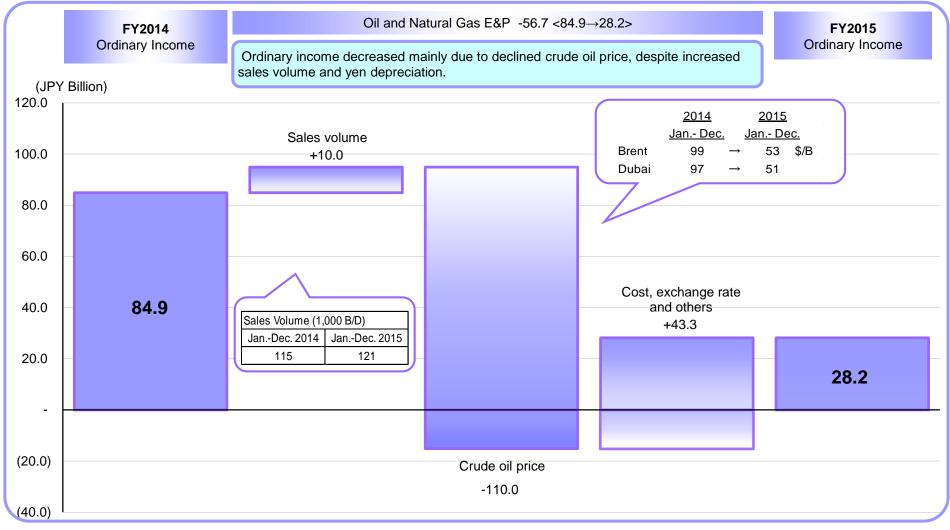
FY2014 Actual vs. FY2015 Actual Changes in Ordinary Income - Energy Business -





FY2014 Actual vs. FY2015 Actual Changes in Ordinary Income - Oil and Natural Gas E&P Business -

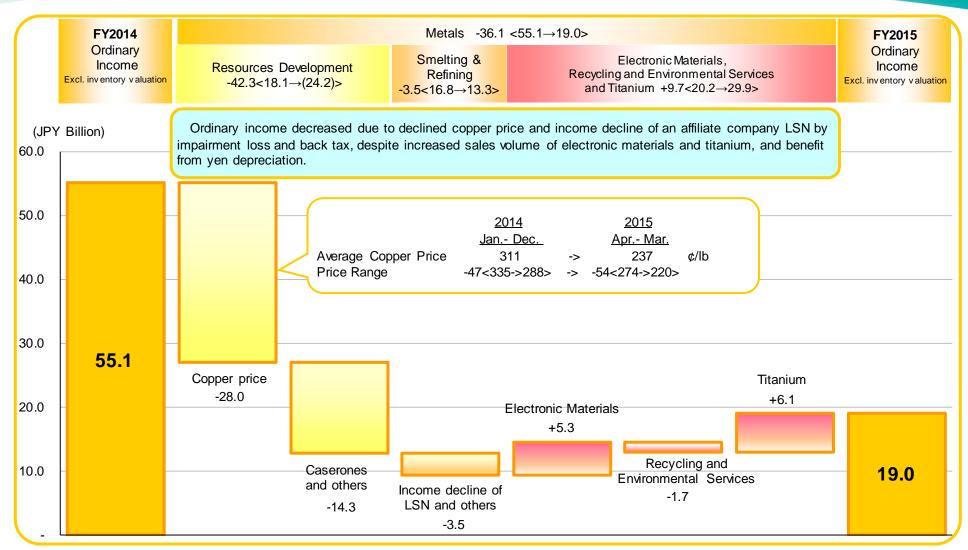




Financial Results for FY2015

FY2014 Actual vs. FY2015 Actual Changes in Ordinary Income - Metals Business-





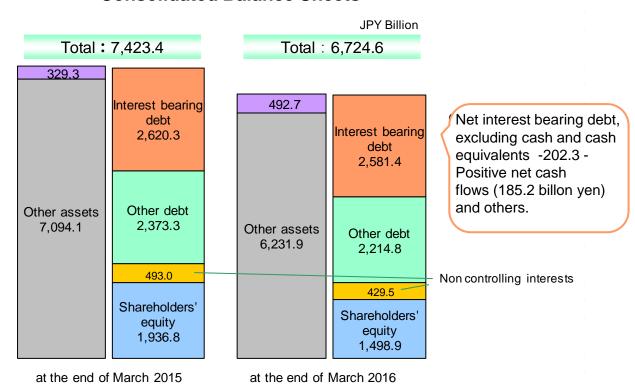
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Consolidated Balance Sheets Consolidated Statement of Cash Flows



Consolidated Balance Sheets



	At the end of March 2015 (Actual)	At the end of March 2016 (Actual)
Shareholders' equity ratio	26.1%	22.3%
Net D/E ratio	1.18	1.39

Consolidated Cash Flows

FY2015 (JPY I

	Ordinary income				
	Depreciation and amortization				
	Working capital and others	335.9			
Cas	Cash flows from operating activities				
Cas	Cash flows from investing activities (307.7				
Free	247.3				
Divid	ends and others	(62.1)			

Net cash flows	185.2



- From April 1, 2016 to March 31, 2017 -

✓ Key Factors (April 2016 - March 2017)

Crude Oil(\$/Bbl)	40
Copper Price(¢/lb)	230
Exchange Rate(Yen/\$)	110

Outline of FY2016 Forecast



* Average from March to February (nearly equal to arrived crude cost)

Crude Oil (Dubai)* (\$/bbl)

Copper (¢/lb)

Exchange Rate (Yen/\$)

Net Sales

Operating Income

Non-operating Income (Expenses), Net

Ordinary Income

-Inventory Valuation

Ordinary Income Excl. Inventory Valuation

Special Gain (Loss), Net

Profit attributable to owners of parent

FY2015 (Actual)

Jan.-Dec. 2015 <250> 237

<121> 120

Jan.-Dec. 2015

JPY Billion

47

8,737.8

(62.2)

53.6

(8.6)

(269.5)

260.9

(321.4)

(278.5)

FY2016 (Forecast)

Jan.-Dec. 2016 <225>

Jan.-Dec. 2016 <111> 110

JPY Billion

40

230

8,800.0

230.0

30.0

260.0

40.0

220.0

(16.0)

125.0

Changes

-7 -15%

<-25> -7 <-10%> -3%

<-10> -10 <-8%> -8%

JPY Billion

+62.2 +1%

+292.2

-23.6 -44%

-16%

+268.6

+309.5

-40.9

+305.4

+403.5

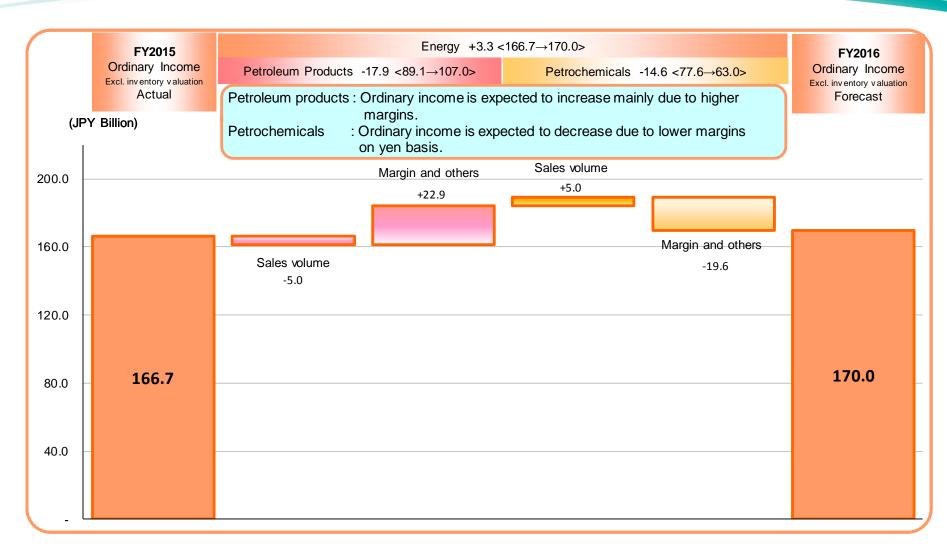
FY2015 Actual vs. FY2016 Forecast Changes in Ordinary Income (Loss) by Segment



	FY2015 (Actual)	FY2016 (Forecast)	Cha	Changes	
- France	JPY Billion	JPY Billion	JPY Billion		
EnergyInventory Valuation	(97.1) (263.8)	30.0	+297.1 +293.8		
Excl. Inventory Valuation	166.7	170.0	+3.3	+2%	
- Petroleum Products	89.1	107.0	+17.9	+20%	
- Petrochemicals	77.6	63.0	-14.6	-19%	
Oil and Natural Gas E&P	28.2	(23.0)	-51.2		
Metals	13.3	40.0	+26.7	+201%	
- Inventory Valuation	(5.7)	10.0	+15.7		
Excl. Inventory Valuation	19.0	30.0	+11.0	+58%	
Others	47.0	43.0	-4.0	-9%	
Total	(8.6)	260.0	+268.6		
Excl. Inventory Valuation	260.9	220.0	-40.9	-16%	

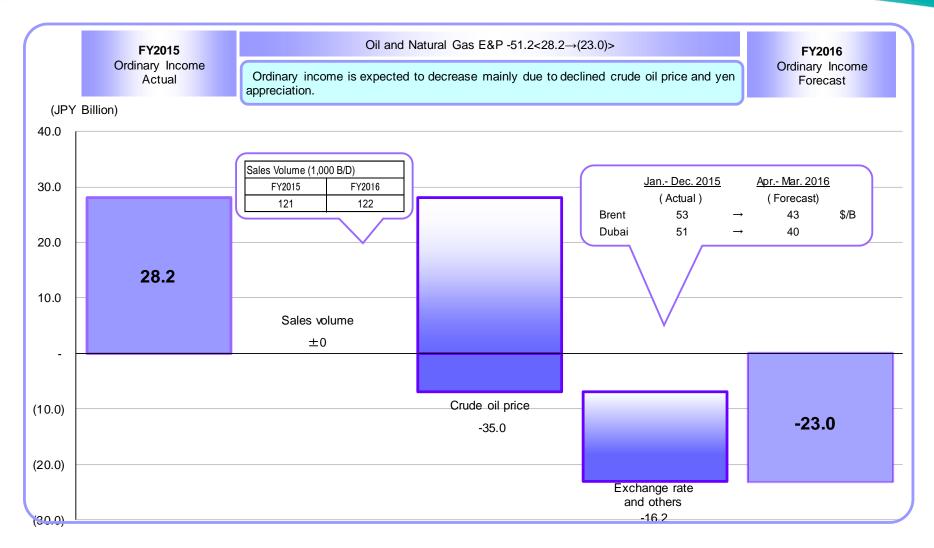
FY2015 Actual vs. FY2016 Forecast Changes in Ordinary Income - Energy Business -





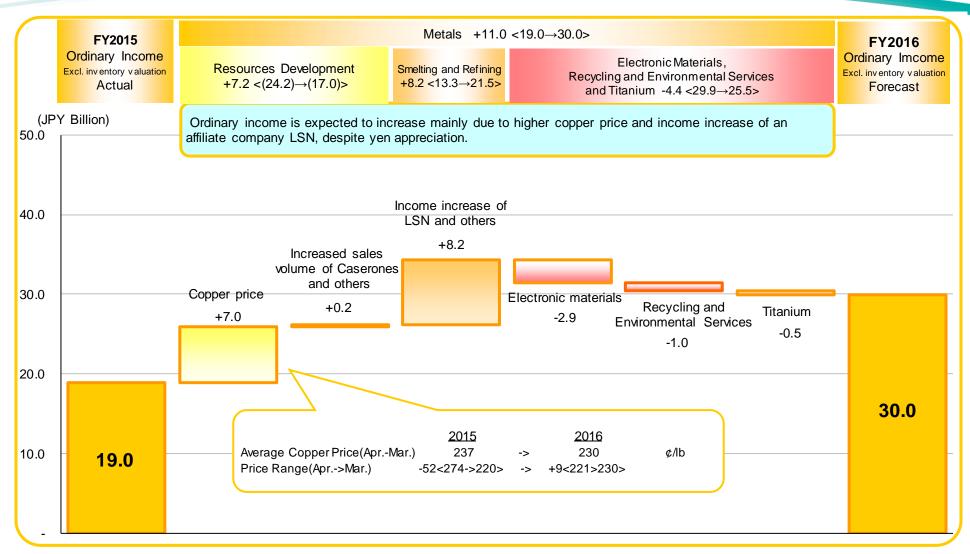
FY2015 Actual vs. FY2016 Forecast Changes in Ordinary Income - Oil and Natural Gas E&P Business-





FY2015 Actual vs. FY2016 Forecast Changes in Ordinary Income - Metals Business -





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Major Topics (from April 2015 to March 2016)



JX Holdings

Nov. Constituted a "basic policy regarding corporate governance of JX group".

Dec. Executed a Memorandum of Understanding regarding business integration with TonenGeneral Sekiyu K.K.

JX Nippon Oil & Energy

Apr. Started commercial operation at Hachinohe and Kushiro LNG terminal.

Jun. Kawasaki Natural Gas Power Generation Co., Ltd. started full consideration on expansion of the generator.

Sep. Started trial operation of a solvent de-asphalting (SDA) equipment and a power generation facility at the Kashima Refinery.

Nov. Opened the first shop of movable commercial hydrogen station.

Dec. Opened a commercial hydrogen station in Fukuoka.

Jan. Concluded a business cooperation contract with KDDI centering on electricity business.

JX Nippon Oil & Gas Exploration

Apr. Made an oil discovery at Deepwater Block R offshore Malaysia.

Aug. Acquired a Participating Interest in the Foz do Amazonas Basin of the Brazilian Amazon region.

Aug. Field Development Plan approved for Culzean in UK North Sea .

JX Nippon Mining & Metals

May. Developed new plating technology, hyperTin®.

May. Reorganized, aiming at more enforcement of the risk management system.

Key Factors



		FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
		Actual	Actual	Actual	Actual	Actual	Actual	Forecast
All segments	Exchange rate [Yen/\$]	86	79	83	100	110	120	110
Energy	Crude oil price [Dubai] [AprMar.] [\$/barrel] *1	82	109	109	105	88	47	40
Oil and Natural Gas	Sales volume <crude equivalent="" oil=""> [1,000 barrels/day]</crude>	140	128	117	115	115	121	122
E&P	Crude oil price [Brent] [\$/barrel] *2	80	111	109	109	99	53	43
Metals	Copper price [LME] [¢/pond] *3	342	400	361	332	311	237	230
	Equity entitled copper mine production [1,000 tons/year] *4	111	105	105	127	148	172	229
	PPC refined copper sales [1,000 tons/year]	588	566	551	588	623	595	634
	Treated rolled copper foil sales [1,000 km/month]	3.3	2.6	2.7	3.0	4.1	4.9	5.5
	Precision rolled products sales [1,000 tons/month]	3.8	3.5	3.3	3.4	3.8	3.7	4.0
	Gold recovery volume by Recycling & Environmental Services [tons/year]	6.5	7.0	5.8	6.1	5.9	6.4	7.0

^{*1} Crude oil arrival basis

^{*2} Due to a change of fiscal term, referring terms are different. Until 2015: Jan.-Dec.; Since 2016: Apr.-Mar.

^{*3} Due to a change of fiscal term, referring terms are different. Until 2014: Jan.-Dec.; Since 2015: Apr.-Mar.

^{*4} Production of companies closing in Dec.: Jan.-Dec.; closing in Mar.: Apr.-Mar.





■ Key factors (From April 2016 to March 2017)

Exchange Rate: 110Yen/\$

Crude Oil: 40\$/bbl (Dubai spot)

Copper Price (LME): 230 ¢/lb

Sensitivity analysis

Key Factors	Change	Segment	(JPY Billion) Impact
Exchange Rate	5 Yen/\$ yen appreciation	Energy (In-house fuel costs drop, margin reduction in petrochemicals) Oil and Natural Gas E&P Metals (Margin reduction, exchange loss) Subtotal Inventory valuation loss Total	-6.0 +2.0 -4.0 -8.0 -13.0 -21.0
Crude Oil (Dubai spot)	+5\$/bbl	Energy (In-house fuel costs rise) Oil and Natural Gas E&P Subtotal Inventory valuation loss Total	-8.0 +12.0 +4.0 +34.0 +38.0
Copper Price (LME)	+10¢/lb	Metals Total	+7.0 +7.0

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) changes in laws and regulations; and
- (3) risks related to litigation and other legal proceedings.