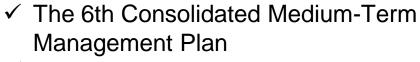
Cosmo Energy Holdings Co., Ltd. Results For Fiscal 2018

May 9, 2019



✓ FY2018 Review

✓ Dividend policy for FY2018

P.2-4

✓ Results for FY2018

√ Forecast for FY2019 Performance

P.5-15

- ✓ We started the 6th Consolidated Medium-Term Management Plan(FY2018-FY2022)
 with the slogan, "Oil & New Everything About Oil-And Beyond".
- ✓ Increase earning power and improve the financial positon to achieve a goal of Net worth and Net D / E ratio of 1.0-1.5 times that can withstand changes in the market environment at an early stage.

Basic Policy

Secure profitability to enable reinvestment

- √ Firm a system of safe, stable operation in oil refining business
- Take action ahead of the IMO regulations
 - →Make refineries not produce high sulfur fuel oil and increase profitable products.*
 - * Aim to raise the competitiveness of refineries that supply only relatively high added value petroleum products.
- ✓ Strengthen the "Vehicle life" business
- Achieve synergy with petrochemical business.
- ✓ Steadily recover the investment in the Hail Oil Field.

Improve financial condition

- ✓ Increase shareholders' equity.
- ✓ Strengthen cash management.
- ✓ Careful selection of investments with an eye on long-term environment.
 - **⇒** Early achievement of management goals

Expand growth driver toward the future

- ✓ Strengthen petrochemical business and increase its product-line
- ✓ Early development of offshore wind power generation
- ✓ Explore new businesses for future growth in domestic and overseas market(Asia / Abu Dhabi)

Strengthen Group management foundation

- ✓ Implement CSR management.
 - Pursue the sustainability of society and the Group.
 - Improve ESG key factors.
 - ⇒ Develop and implement the medium-term CSR management plan (FY2018 – FY2022).
- Increase productivity through workstyle and operational innovation
 - Promote diversity.
 - RPA(Robotic process automation),Thoroughly increased operation efficiency using AI.

Management Goals (FY2022)

[Management Goals (FY2022)]

(Unit: billion ven)

Ordinary profit
(excluding impact of inventory valuation)

Over 120.0

Profit attributable to owners of parent

Over 50.0

Free cash flow (FY 2018 - FY 2022 Five years total)

Over 150.0

Net worth
(Net worth ratio)

Over 400.0 (Over 20%)

Net Debt Equity Ratio*

1.0~1.5 times

ROE

Over 10%

[Precondition]

Dubai crude oil price (USD/B): 70

Exchange rate (yen/USD): 110

^{*}Calculated on the basis that 50% of ¥60 billion Hybrid Loan made on April 1, 2015 is included in Equity.

FY2018 Review

Although affected by regular maintenance at refineries and a petrochemical plant, profitability increased with secured an appropriate margin, the expansion of the crude oil production of the Hail Oil Field. As a result, Ordinary profit excluding the impact of inventory valuation renewed a record high.

[Petroleum business]

- ✓ While proper margin was secured, regular maintenance at refineries and partial trouble of equipment and the allowance of the cost for future regular maintenance at refineries affected.
 - ⇒ Ordinary profit excluding the impact of inventory valuation was ¥ 24.9 billion. (down ¥ 12.9 billion year on year).

[Petrochemical business]

- ✓ The business was affected by the downturn in market conditions and a decrease in sales volume caused by regular maintenance at a plant.
 - ⇒ Ordinary profit was ¥ 15.3 billion (down ¥ 15.1 billion year on year).

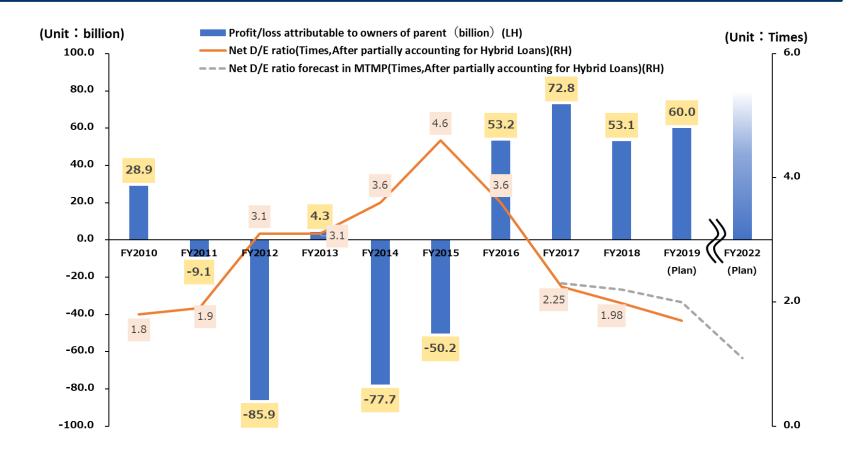
[Oil exploration and production business]

- ✓ The Hail Oil Field has been continuing full production since January 2018.
 - ⇒ Ordinary profit was ¥ 56.9 billion (up ¥ 38.6 billion year on year).

[Key Points in Financial Results]

- ✓ Chiefly thanks to the higher earnings of the oil exploration and production business, Consolidated ordinary profit excluding the impact of inventory valuation reached ¥107.4 billion(up ¥11.5 billion year on year) (Record high profit)
- ✓ Consolidated ordinary profit was ¥96.7 billion(down ¥20.2 billion year on year), Net profit was ¥53.1 billion (down ¥19.7 billion year on year) due to the recording of deferred tax assets.
- ✓ The Net worth ratio was 16.5% (up 2.4 points from the end of the previous year), and the Net D / E ratio was 1.98 times (Improved 0.27 points from the end of the previous year).

- ✓ We plan to pay a dividend of 80 yen per share (more 30 yen than previous announcement) considering that the Net D / E ratio became below two times at the end of FY2018 because the we are currently progressing our improvement of financial strength faster than expected when we developed the consolidated medium-term management plan.
- ✓ The level of our earnings improved steadily, and also we have the additional opportunities after FY2019 such as the response to the IMO regulations and the supply of fuel oil to Kygnus Sekiyu.
- ✓ We will enhance the shareholder returns while considering the balance with our financial condition from now onward.



Highlights of Result for FY2018

Consolidated Income Statements- Changes from FY2017

						Unit: billion yen
No.	Item	FY2018 (AprMar.2019)	FY2017 (AprMar.2018)	Changes	(Rate of change)	(Ref) Forecast FY2019
1	Net sales	2,770.4	2,523.1	247.3	+10%	2,913.0
2	Operating profit	94.7	111.9	-17.2	-15%	109.0
3	Non-operating income/expenses, net	2.0	5.0	-3.0		2.0
4	Ordinary profit	96.7	116.9	-20.2	-17%	111.0
5	Extraordinary income/losses, net	-0.7	-7.6	6.9		3.0
6	Income taxes	29.9	25.2	4.7		43.0
7	Profit attributable to non- controlling interests	12.9	11.3	1.6		11.0
8	Profit attributable to owners of parent	53.1	72.8	-19.7	-27%	60.0
9	Impact of inventory valuation	-10.7	21.0	-31.7		5.0
10	Ordinary profit excluding the impact of inventory valuation	107.4	95.9	11.5		106.0
11	Dubai crude oil price (USD/B) (AprMar.)	69	56	13		65
12	JPY/USD exchange rate (yen/USD)(AprMar.)	111	111	-		110
[Ref	erence]					
13	Dubai crude oil price (USD/B) (JanDec.)	69	53	16		65
14	JPY/USD exchange rate (yen/USD)(JanDec.)	110	112	-2		110

Unit: billion yen

			FY2018 (AprMar.2018)		FY2017 (AprMar.2017)		Changes	
No			Ordinary profit	Ordinary profit exc. the Impact of Inventory valuation	Ordinary profit	Ordinary profit exc. the Impact of Inventory valuation	Ordinary profit	Ordinary profit exc. the Impact of Inventory valuation
1		Total	96.7	107.4	116.9	95.9	-20.2	11.5
2	t)	Petroleum business	14.2	24.9	58.8	37.8	-44.6	-12.9
3	egment	Petrochemical business	15	5.3	30	0.4	-1	5.1
4	Each s	Oil E&P business (*1)	56	6.9	18	3.3	3	8.6
5)	Other (*2)	10	0.3	9	9.4		0.9

^(*1) The Accounting period of three operators(Abu Dhabi Oil Company, Qatar Petroleum Development and United Petroleum Development) is December.

^(*2) Including consolidated adjustment

[FY2018 Results] Consolidated Ordinary Profit (Excluding the impact of inventory valuation) - Analysis of Changes from FY2017

Key variable factors

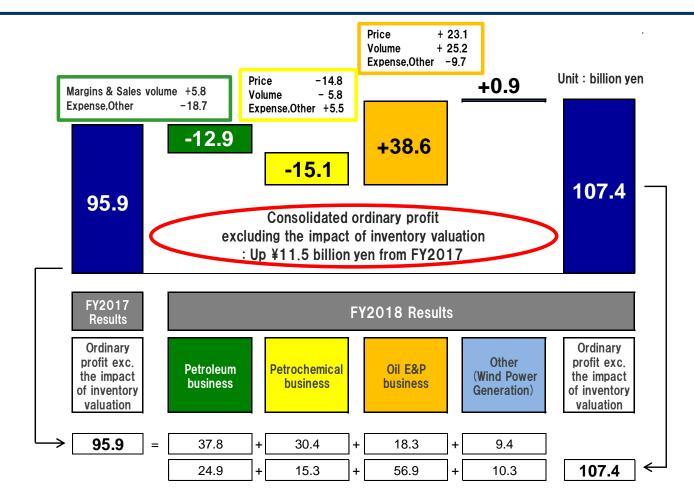
Petroleum business

:While securing an appropriate margin based on the improvement in the domestic supplydemand balance, profit decreased chiefly due to regular maintenance at refineries, partial trouble of equipment and the allowance of the cost for future regular maintenance at refineries.

Petrochemical business: Profit decreased mainly due to the downturn in market conditions and a decrease in sales volume caused by regular maintenance at a plant.

Oil E&P business

: Profit increased due to an increase in oil production thanks to the commencement of the Hail Oil Field's full production.



Consolidated Cash Flows

Unit: billion yen

Ma		FY 2018	FY 2017
No		(AprMar.2019)	(AprMar.2018)
1	Cash flows from operating activities	90.5	192.6
2	Cash flows from investing activities	-84.5	-96.4
3	Free cash flow (1+2)	6.0	96.2
4	Cash flows from financing activities	-20.5	-76.8
5	Cash and cash equivalents at end of the period	40.7	55.1

Consolidated Balance Sheets

Unit: billion yen

No		FY2018 (As of Mar. 31, '19)	FY2017 (As of Mar. 31, '18)	Changes
1	Total Assets	1,702.3	1,688.3	14.0
2	Net assets	401.9	356.1	45.8
3	Net worth	281.1	238.7	42.4
4	Net worth ratio	16.5%	14.1%	Up 2.4points
5	Net interest-bearing debt *1	644.7	635.8	8.9
6	Net Debt Equity Ratio (times) (after partially accounting for Hybrid Loan) *2	1.98	2.25	Improved 0.27points

^{*1} Total interest-bearing debts net of cash and deposits etc. as of the end of the period

^{*2} Caluculated on the basis that 50% of 60 billion yen Hybrid Loan made on 1st April 2015 is included into Equity



Capital Expenditures, Depreciation, etc.

Capital Expenditures by Business Segment

Unit: billion yen

No.		FY2018 Results	Change from FY2017
1	Capital expenditures	80.4	-28.7
2	Depreciation expense amount,etc	54.2	12.1

Unit: billion yen

No.		FY2018 Results	FY2017 Results	Change from FY2017
1	Petroleum	33.3	30.5	2.8
2	Petrochemical	16.7	6.0	10.7
3	Oil E&P	23.3	49.9	-26.6
4	Other	9.0	22.3	-13.3
5	Adjustment	-1.9	0.4	-2.3
6	Total	80.4	109.1	-28.7

Forecast for FY2019 Performance

Profit attributable to owners of parent is forecasted to increase by securing appropriate proper margins, improving the operating ratio and increasing the sales volume, although the oil exploration and production business is expected to post a decrease in profit due to a controlled decline in the production volume at the Hail Oil Field.

[Petroleum business]

- Secure proper margin and eliminate the impact of partial trouble of equipment in the previous year.
- ✓ Take action to enhance the capacity of Sakai Refinery's Delayed Coker Unit with an eye on the IMO regulations that are expected to be implemented in 2020, and start to supply the products to Kygnus Sekiyu.

[Petrochemical business]

✓ The production volume is expected to increase at Maruzen Petrochemical Co., Ltd., assisted by the elimination of the impact of regular maintenance in the previous year.

[Oil exploration and production business]

✓ We plan to decrease the production at the Hail Oil Field for securing the production volume on a long-term basis.

[Wind power generation business]

✓ Facilities in Watarai (2nd phase) and Himekami commenced operation in April.

[Full-year forecast]

Profit attributable to owners of parent: ¥ 60.0 billion (up ¥ 6.9 billion year on year)

[Dividend policy]

We plan to pay a dividend of 80 yen per share in comprehensive consideration of the Group's profitability, financial position, and investment strategy, among other factors.

[Reference] Precondition FY2019 Dubai crude oil price (USD/B) (Apr.-Mar.) JPY/USD exchange rate 110

(Apr.-Mar.)

[FY2019 Forecast] Highlights of Consolidated Business Outlook (Changes from FY2018) Precondition, and Business Sensitivity 13

Unit: billion yen

Mo	Jo.		FY2019 Forecast		FY2018 Results		Changes		
No.			Ordinary income	Ordinary income exc. the Impact of Inventory valuation	Ordinary income	Ordinary income exc. the Impact of Inventory valuation	Ordinary income	Ordinary income exc. the Impact of Inventory valuation	
1		Total	111.0	106.0	96.7	107.4	14.3	-1.4	
2)	Petroleum business	42.0	37.0	14.2	24.9	27.8	12.1	
3	egment	Petrochemical business	1	18.0		15.3		2.7	
4	Each s	Oil E&P business (*1)	4	0.0	5	6.9	-1	6.9	
5)	Other (*2)	1	11.0		10.3		0.7	

^(*1) The Accounting period of three operators(Abu Dhabi Oil Company, Qatar Petroleum Development and United Petroleum Development) is December.

(*2) Including consolidated adjustment

No.		FY2019 Forecast	FY2018 Results	Changes
6	Profit attributable to owners of parent	60.0	53.1	6.9
7	Dividend per Share (Plan)	¥80	¥80	_

■ Precondition

No.		FY2019 Forecast	FY2018 Results	Changes
8	Dubai crude oil price (USD/B) (AprMar.)	65	69	-4
9	JPY/USD exchange rate (AprMar.)	110	111	-1
10	Dubai crude oil price (USD/B) (JanDec.)	65	69	-4
11	JPY/USD exchange rate (JanDec.)	110	110	-

12 Spread between Ethylene- Naphtha (\$/ton) (AprMar.)	500	537	-37
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Sensitivity

No.		ltem	Crude oil (Dubai)		JPY/USD exchange rate	
13	Petroleum Business	Inventory Impact	2.0	billion yen	1.2	billion yen
14		Refinery fuel cost etc.	-0.5	billion yen	-0.3	billion yen
15		Total	1.5	billion yen	0.9	billion yen
16	Oil E&P Business		0.9	billion yen	0.2	billion yen

^{*} Figures above refer to impacts by crude oil price (USD 1/bbl) and yen-dollar exchange rate (¥1/USD) fluctuations. A nine-month period of Apr.-Dec.2019 for the oil E&P business

Key variable factors

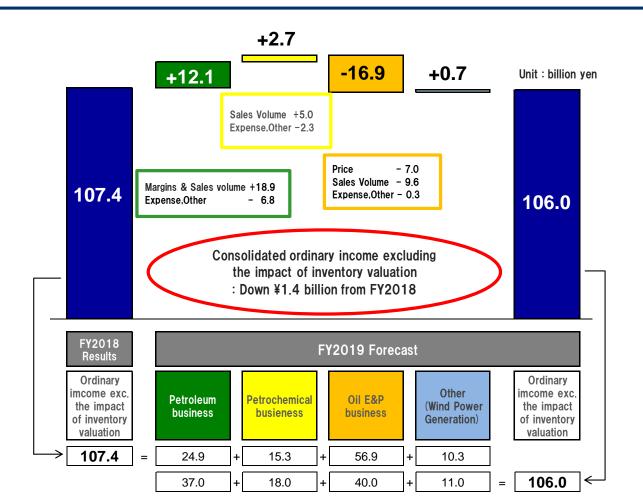
Petroleum business

:An increase in sales volume and eliminating the impact of partial trouble of equipment that occurred in the previous year.

Petrochemical business: A rise in the production volume at Maruzen Petrochemical Co., Ltd., assisted by the elimination of the impact of regular maintenance in the previous year.

Oil E&P business

: A controlled decrease in the production volume at the Hail Oil Field to secure the production volume on a long-term basis.



Capital Expenditures. Depreciation, etc.

Unit: billion yen

No.		FY2019 Forecast	Change from FY2018
1	Capital expenditures	103.5	23.1
2	Depreciation expense amount,etc	62.5	8.3

Capital Expenditures by Business Segment

Unit: billion yen

No.		FY2019 Forecast	FY2018 Results	Changes
1	Petroleum	57.4	33.3	24.1
2	Petrochemical	15.5	16.7	-1.2
3	Oil E&P	24.8	23.3	1.5
4	Other	7.8	9.0	-1.2
5	Adjustment	-2.0	-1.9	-0.1
6	Total	103.5	80.4	23.1

Supplementary Information

P.16-26 [FY2018 Results] Supplementary Information

- -Sales Volume, CDU Operating Ratios
- Crude Oil Production Volume, Crude Reserves Estimate (Proved and Probable)
- Results by Business Segment Changes from FY2017
- Main data of each business
- Historical Changes in Dubai Crude Oil Price
- Gasoline Export and Margin Environment
- -Diesel Fuel Export and Margin Environment
- -Market Condition of Ethylene Products and Aromatic Products

P.27-28 Forecast for FY2019 Performance

- Outlook by Business Segment, Changes from FY2018
- P.29-39 Overview of the Cosmo Energy Group (Business Outline)
 - -Oil E&P Business, Petroleum Business, Petrochemical Business, Wind Power Generation Business
- P.40-59 The 6th Consolidated Medium-Term Management Plan (Announced on March 20,2018)
 - -Long-Term Direction of Business
 - -Overview of The 6th Consolidated Medium-Term Management Plan
 - -Business Strategy of The 6th Consolidated Medium-Term Management Plan
- P.60-63 Zero Coupon Convertible Bonds due 2022 (being bonds with stock acquisition rights) (Announced on December 20,2018)

Supplementary Information of FY2018 Results

Unit: thousand KL

No.			FY2018 Results	FY2017 Results	Changes
1	Selling volume in Japan	Gasoline	5,643	5,582	101.1%
2		Kerosene	1,736	1,787	97.1%
3		Diesel fuel	4,529	4,281	105.8%
4		Heavy fuel oil A	1,432	1,470	97.4%
5		Sub-Total	13,340	13,120	101.7%
6		Naphtha	5,751	6,061	94.9%
7		Jet fuel	465	459	101.4%
8		Heavy fuel oil C	1,009	1,246	81.0%
9		inc. Heavy fuel oil C for electric power	176	375	46.8%
10		Total	20,566	20,885	98.5%
11	Export volume	Middle distillates (Jet, Kerosine/Diesel fuel)	344	825	41.7%
12		Bonded products and other	3,209	3,368	95.3%
13		Sub-Total	3,553	4,192	84.7%
14	Total		24,119	25,077	96.2%

Ullit	HIOUSAHU NL
FY2019 Forecast	FY2019 forecast changes from FY2018
6,397	113.4%
2,071	119.3%
4,894	108.1%
1,546	108.0%
14,909	111.8%
6,690	116.3%
473	101.7%
861	85.3%
86	49.0%
22,934	111.5%
650	189.2%
2,965	92.4%
3,615	101.8%
26,549	110.1%
	

	No			FY2018	FY2017	Changes
No.			Results	Results	Citaliges	
Ī	1	CDU operating ratio	(Calendar Day basis) *1	86.1%	94.1%	-7.9%
	2		(Streaming Day basis) *1,2	95.5%	99.2%	-3.7%

^{*1:} The operating ratio at the Company's three refineries

^{*2:} Streaming day indicates operating ratio excluding the impact of suspended operations due to regular repairs and maintenance, etc.

[FY2018 Results] Crude Oil Production Volume, Crude Reserves Estimate (Proved and Probable)

[1] Crude oil production volume							
	FY2018 Results	FY2017 Results	Chai	nges			
Cosmo Energy Exploration & Production Co., Ltd. (B/D)	52,303	38,826	13,477	134.7%			

^{*1)} The production volume represents the total production volumes of the three major developers: Abu Dhabi Oil Co., Ltd., Qatar Petroleum Development Co., Ltd., and United Petroleum Development Co., Ltd.

(As of Dec 31, 2018)

[2] Crude Reserves Estimate (working interest base) (*1)					
	mmbls				
Total Proved (*2) and Probable Reserves (*3)	167.0	Note: The reserves include reserves of new concession area, the Hail Oil Field.			
(Ref.: Reserves to Production Ratio of Total Proved and Probable Reserves)	about 18 years	Note: The daily average crude production based on working interest reached 25 thousands bpd for FY2018 (Jan-Dec).			

(*1) About results of reserves estimate

The assessment of ADOC reserves which deemed to have significant impact on Cosmo's future profitability was carried out in an independent assessment by Gaffney, Cline & Associate (hereinafter, "GCA"), a leading global independent reserve auditor. Their assessment confirmed Cosmo affiliates' internal assessment of remaining reserves. The assessment was carried out in accordance with the 2007 "Petroleum Resources Management System (PRMS)" prepared by the Oil and Gas Reserves Committee of the "Society of Petroleum Engineers" (SPE), and reviewed and jointly sponsored by the "World Petroleum Congress" (WPC), the "American Association of Petroleum Geologists" (AAPG) and the Society of Petroleum Evaluation Engineers (SPEE). The assessment of QPD and UPD reserves were carried out in these companies respectively. These assessments of the reserves do not guarantee the reserves and production from them.

(*2) Proved Reserves

Proved Reserves are those quantities of petroleum, which by analysis of geoscience and engineering data, can be estimated with reasonable certainty to be commercially recoverable, from a given date forward, from known reservoirs and under defined economic conditions, operating methods, and government regulations. When probabilistic methods are used, there should be at least a 90% probability that the actual quantities recovered will equal or exceed the 1P estimate. (Definition of SPE PRMS 2007 March)

(*3) Probable Reserves

Probable Reserves are those additional Reserves which analysis of geoscience and engineering data indicate are less likely to be recovered than Proved Reserves but more certain to be recovered than Possible Reserves. When probabilistic methods are used, there should be at least a 50% probability that the actual quantities recovered will equal or exceed the 2P estimate. (Definition of SPE PRMS 2007 March)

^{*2)} The production period has calculated in the January-December, because that the three major developers of the accounting period is December.

^{*3)} The Cosmo Energy Group has a 51.5% stake in Abu Dhabi Oil Co., Ltd., a 75.0% stake in Qatar Petroleum Development Co., Ltd. and a 45.0% stake in United Petroleum Development Co., Ltd.

FY2018 Results - Changes from FY2017

Unit: billion yen

No.		Net Sales		Operating Profit		Ordinary Profit		Ordinary Profit (excluding the impact of inventory valuation)	
			Changes from FY2017		Changes from FY2017		Changes from FY2017		Changes from FY2017
1	Petroleum business	2,526.9	234.2	17.5	-40.5	14.2	-44.6	24.9	-12.9
2	Petrochemical business	458.6	0.1	7.1	-17.9	15.3	-15.1	15.3	-15.1
3	Oil E&P business	111.7	55.4	58.2	40.1	56.9	38.6	56.9	38.6
4	Other	60.2	10.2	6.4	0.8	6.1	1.0	6.1	1.0
5	Adjustment	-387.0	-52.6	5.5	0.3	4.2	-0.1	4.2	-0.1
6	Total	2,770.4	247.3	94.7	-17.2	96.7	-20.2	107.4	11.5

Cosmo Energy Group (by Segment)

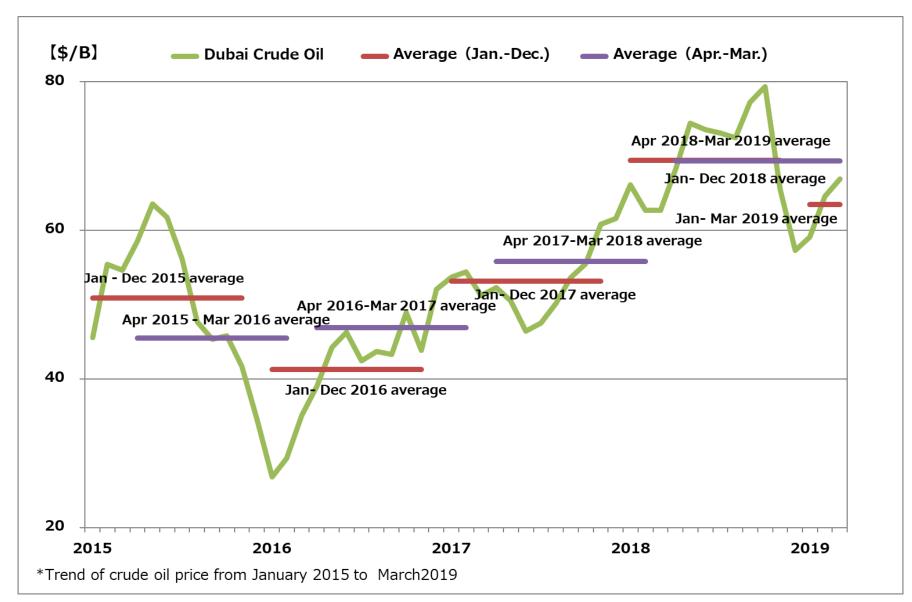
Petroleum business	Cosmo Oil Co.,Ltd., Cosmo Oil Marketing Co., Ltd., Cosmo Oil Sales Corp, Cosmo Oil Lubricants Co., Ltd.,Sogo Energy Co., Ltd., Gyxis Corporation (owned by the Cosmo Energy Group on the equity method), Kygnus Sekiyu K.K. (owned by the Cosmo Energy Group on the equity method) etc.
Petrochemical business	Cosmo Matsuyama Oil Co., Ltd., CM Aromatics Co., Ltd., Maruzen Petrochemical Co., Ltd., Hyundai Cosmo Petrochemical Co., Ltd. (owned by the Cosmo Energy Group on the equity method), etc.
Oil E & P business	Cosmo Energy Exploration & Production Co., Ltd., Abu Dhabi Oil Co., Ltd., Qatar Petroleum Development Co., Ltd., United Petroleum Development Co., Ltd. (owned by the Cosmo Energy Group on the equity method), etc.
Other	Cosmo Engineering Co.,Ltd., Cosmo Trade & Services Co., Ltd., EcoPower Co.,Ltd, etc.

Petroleum business						
(1) Refinery Operating Ratio						
	FY2013	FY2014	FY2015	FY2016	FY2017	FY201
CDU operating ratio (Calender Day basis) *1	69.5%	84.0%	83.2%	88.3%	94.1%	86.1
(2) Number of SSs by Operator Type						
	FY2013	FY2014	FY2015	FY2016	FY2017	FY201
Subsidiary	899	881	920	895	885	85
Dealers	2,329	2,252	2,134	2,062	1,973	1,93
Total *2	3,228	3,133	3,054	2,957	2,858	2,79
Number of Self-Service SSs *2	1,011	1,031	1,036	1,038	1,034	1,04
(3) "Cosmo The Card" - Number of credit	t cards in forc	e & Accumula	ative number	of contracted	auto lease	
	FY2013	FY2014	FY2015	FY2016	FY2017	FY201
Cosmo The Card (million cards) *2	4.20	4.31	4.39	4.44	4.44	4.3
Auto lease (Units) *2	11,734	19,040	27,401	37,077	47,602	60,57
il E&P business						
Crude oil production volume						
	FY2013	FY2014	FY2015	FY2016	FY2017	FY201
Cosmo Energy E&P Co., Ltd. (B/D) *3	36,842	38,031	39,201	39,032	38,826	52,30
Ind power generation business						
Wind power generation capacity (ten thous	and kW)					
	FY2013	FY2014	FY2015	FY2016	FY2017	FY201
Power generation Capacity*2	14.6	18.3	18.4	21.1	22.7	22.

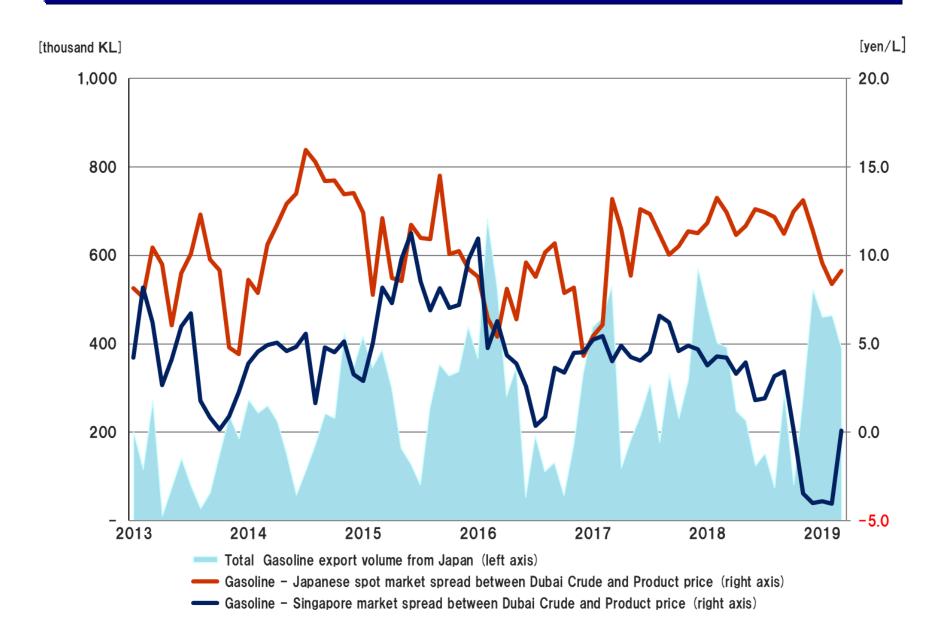
^{*1)} April-March results for each fiscal year *2) At the end of March of each fiscal year

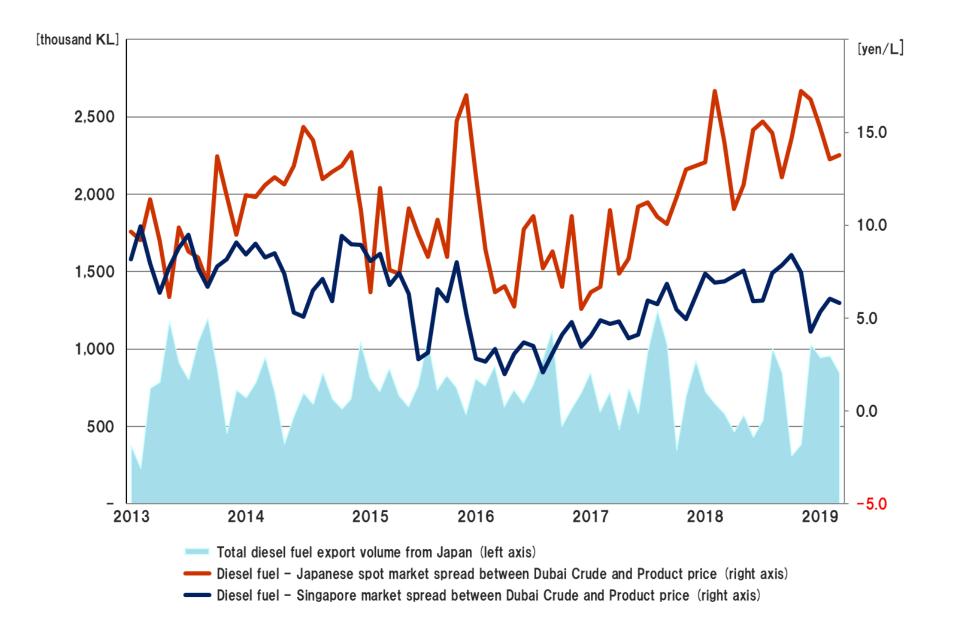


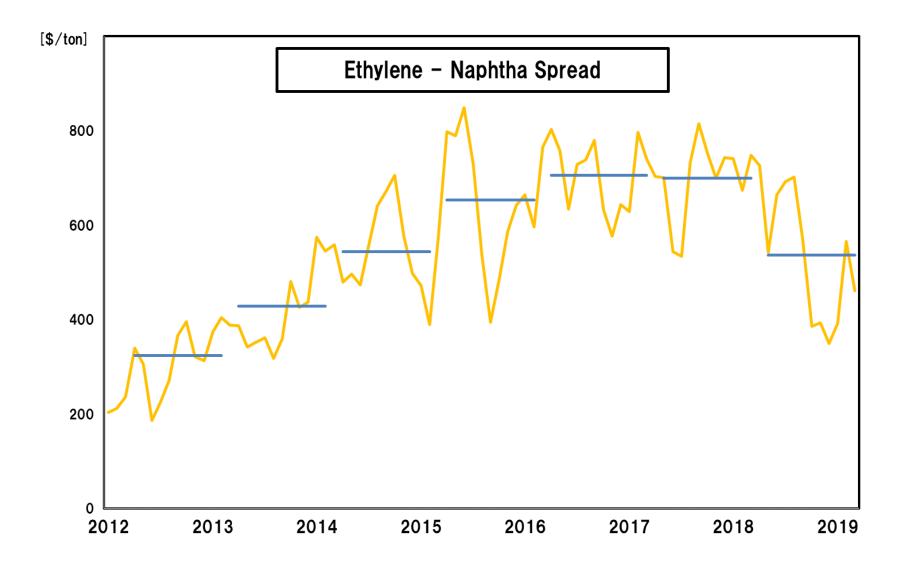
^{*3)} January-December results for each fiscal year



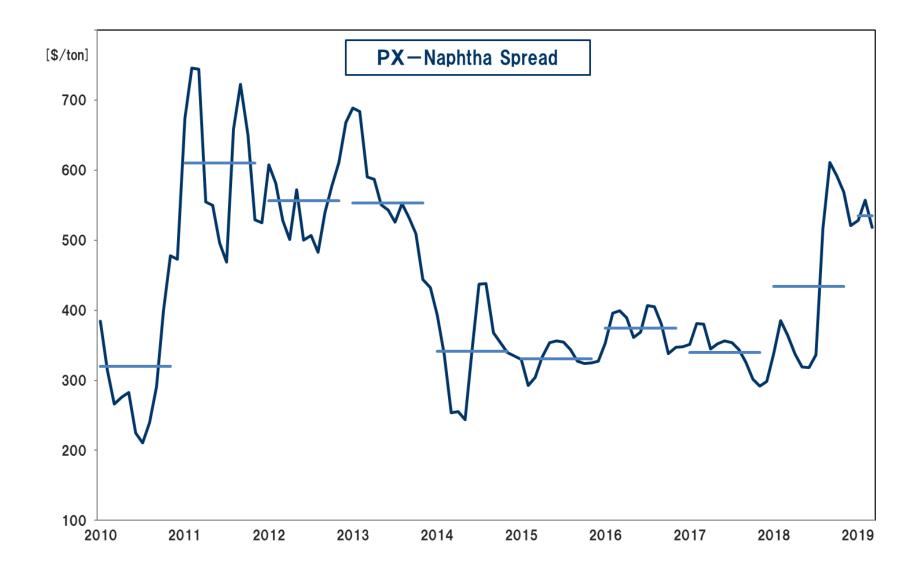








^(*) Horizontal line indicates the average of each fiscal year(Apr-Mar).



^(*) Horizontal line indicates the average of each calendar year(Jan-Dec).

Supplementary information of Forecast for FY2019 Performance

FY2019 Forecast - Changes from FY2018

Unit: billion yen

No.		Net Sales		Operating Income		Ordinary Income		Ordinary Profit (excluding the impact of inventory valuation)	
			Changes from FY2018		Changes from FY2018		Changes from FY2018		Changes from FY2018
1	Petroleum business	2,605.0	78.1	43.5	26.0	42.0	27.8	37.0	12.1
2	Petrochemical business	517.0	58.4	10.5	3.4	18.0	2.7	18.0	2.7
3	Oil E&P business	91.0	-20.7	41.5	-16.7	40.0	-16.9	40.0	-16.9
4	Other	78.0	17.8	8.0	1.6	8.0	1.9	8.0	1.9
5	Adjustment	-378.0	9.0	5.5	-	3.0	-1.2	3.0	-1.2
6	Total	2,913.0	142.6	109.0	14.3	111.0	14.3	106.0	-1.4

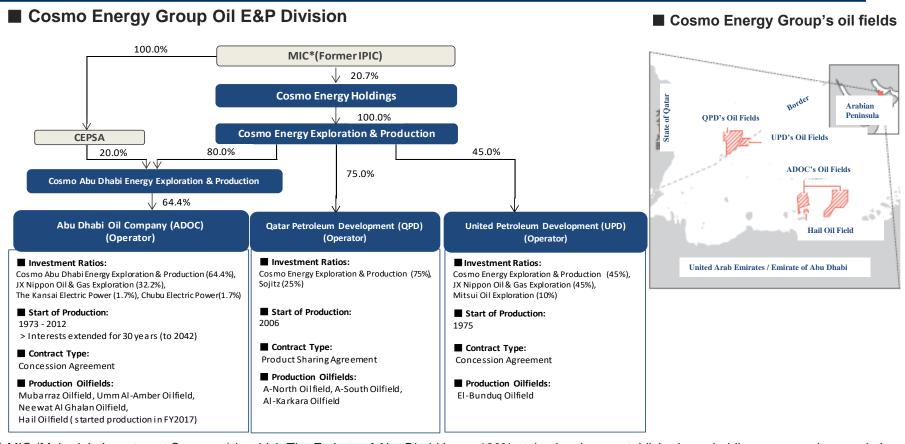
Cosmo Energy Group (by Segment)

Petroleum business	Cosmo Oil Co.,Ltd., Cosmo Oil Marketing Co., Ltd., Cosmo Oil Sales Corp, Cosmo Oil Lubricants Co., Ltd.,Sogo Energy Co., Ltd., Gyxis Corporation (owned by the Cosmo Energy Group on the equity method), Kygnus Sekiyu K.K. (owned by the Cosmo Energy Group on the equity method) etc.
Petrochemical business	Cosmo Matsuyama Oil Co., Ltd., CM Aromatics Co., Ltd., Maruzen Petrochemical Co., Ltd., Hyundai Cosmo Petrochemical Co., Ltd. (owned by the Cosmo Energy Group on the equity method), etc.
Oil E & P business	Cosmo Energy Exploration & Production Co., Ltd., Abu Dhabi Oil Co., Ltd., Qatar Petroleum Development Co., Ltd., United Petroleum Development Co., Ltd. (owned by the Cosmo Energy Group on the equity method), etc.
Other	Cosmo Engineering Co.,Ltd., Cosmo Trade & Services Co., Ltd., EcoPower Co.,Ltd, etc.

Business Outline

Each segment	Oil E&P business	Petroleum business	Petrochemical business	Other (Wind Power Generation)	Total *2
Net sales* 1	91.0billion yen	2,605.0billion yen	517.0billion yen	78.0billion yen	2,913.0billion yen
Ordinary profit * 1	40.0billion yen	42.0billion yen	18.0billion yen	11.0billion yen	111.0billion yen
Ordinary profit excluding * 1 impact of inventory valuation	40.0billion yen	37.0billion yen	18.0billion yen	11.0billion yen	106.0billion yen
Major assets	■ Partnerships Solid relationship of trust with oil producing countries for about 50 years ■ Operatorship (self-operation) We produces the largest volume of crude oil in the Middle East region for a Japanese operator. ■ Crude Oil Production *3	■ CDU capacity *5,*6 400,000 BD (Domestic market share: Approx. 11.4%) ■ Domestic Sales Volume *1 20,566thousand KL ■ Number of Service station *5 2,791 ■ Number of the "Cosmo the Card" Holders *5 4.33million cards ■ Car leasing business for *5 individuals Cumulative total 60,579cars	■Olefinic production capacity *5 Ethylene 1.29 mil tons/year (Domestic market share: Approx. 19%) ■Aromatic production capacity Para-xylene 1.18 mil tons/year Benzene 0.94 mil tons/year Mixed-xylene 0.62 mil tons/year	227,000 kW (No. 3 in Japan and a 6% domestic share) Solar power generation *5 capacity	Corporate brand awareness 98.4% Survey of 1,239 customers (men and women, 18-64 years old) who used a service station in the past one month(as of Octorber 30, 2017)
Major business companies related companies	Cosmo Energy Exploration & Production Abu Dhabi Oil (UAE) Qatar Petroleum Development (Qatar) United Petroleum Development (UAE/Qatar)	Cosmo Oil Cosmo Oil Lubricants Gyxis(LPG) Cosmo Oil Marketing Cosmo Oil Sales Sogo Energy	Maruzen Petrochemical (Chiba/Yokkaichi) Cosmo Matsuyama Oil CM Aromatics (Chiba) Hyundai Cosmo Petrochemical (Korea)	Eco Power (Wind power generation) Cosmo Engineering Cosmo Trade and Service	_

- ✓ Based on a strong relationship of trust with Emirate of Abu Dhabi in the Middle East developed almost five decades, we have achieved low-risk, low-cost development.
- ✓ Abu Dhabi Oil Company extended concessions (30 years) in 2012 and obtained new concessions area, the Hail Oil Field is projected to the same production volume as its three existing oilfields.
- ✓ Started production from the Hail Oil Field in FY 2017 with production ramping up to full-scale in January 2018.



(*) MIC (Mubadala Investment Company) in which The Emirate of Abu Dhabi has a 100% stake ,has been established as a holding company in association with the business combination of IPIC (International Petroleum Investment Company), and MDC (Mubadala Development Company).

✓ Risk Tolerance

: Low oil price risk, exploration risk, funding risk

✓ Growth Strategy (Production Increase)

: The Hail Oil Field development,

Consideration of joint development with Cepsa

/ Long-term Stable Production

: Solid trust relationships with oil producing countries, High quality oil fields and oil recovery technologies

■ Risk Tolerance ■

- Earning power under low oil prices → For FY2016 Q1 (January to March), we maintained profitability under conditions where Dubai crude was priced at \$30 per barrel.
- > Achieving low-cost development through discovered and undeveloped oilfields (including the Hail oilfield)
- > Loans provided by Japanese public institutions (JBIC) with credit of the operator (ADOC)

■ Growth Strategy

- > At peak production, production capacity of the Hail Oil Field is equivalent to the three existing oilfields of ADOC
- > Strategic comprehensive alliance with MIC(former IPIC)-owned Cepsa, deliberating new oilfield development with Abu Dhabi National Oil Company and CEPSA

■ Long-term Stable Production ■

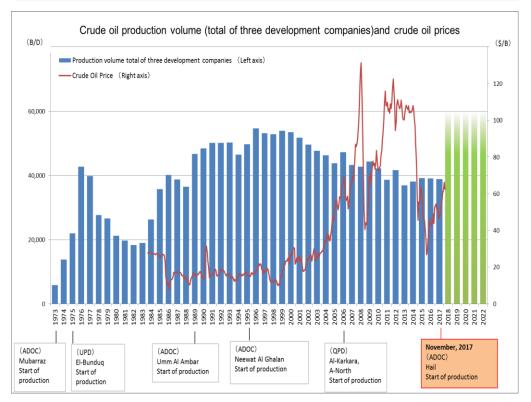
- > Obtained interests before founding of UAE, with safe operation and stable production for almost five decades
- > Long-term, stable purchase of crude oil from UAE (Abu Dhabi) and Qatar
- > Contributions to both countries in terms of culture(Japanese language education, etc.) and the environment (zero flaring, etc.)

Business Environment in the Middle East Region (UAE / QATAR)

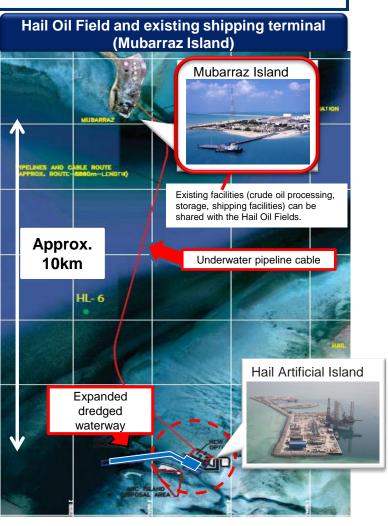
- The Arabian Gulf has many reserves and a lot of exploratory data has been accumulated (which translates into low oil exploration costs)
- Shallow water depth (relatively lower exploration, development and operating costs)

- ✓ The Hail Oil Field started production in November 2017, with production ramping up to full-scale in January 2018. (interest period through year 2042)
- ✓ The Hail Oil Filed investment has been curbed with the shared use of existing oil processing, storage and shipping facilities (Estimated savings of 300-400 million dollars), and after the start of production, per unit operating costs are expected to decline for the increment of production volume.

Prolonged stable oil production



- *1) ADOC: Abu Dhabi Oil Company, UPD: United Petroleum Development, QPD: Qatar Petroleum Development
- *2) Production volume of three development companies are per year (annual average of January to December each year)
- *3) Crude oil prices (Platt's Dubai crude) are average monthly
- *4) The production volume of three development companies after fiscal 2018 is prospective volume.



- ✓ FY2016: Commencement of a two-year long run at the Chiba Refinery
 - → Improvement in earnings: ¥7 billion
- FY2017: Business alliance with Showa Shell Group (Showa Yokkaichi Sekiyu)
 - → Synergy for Cosmo: ¥1 billion per year
- ✓ FY2018: Integration of Chiba refineries of the Company and JXTG Nippon Oil & Energy Corporation
 - → JV synergy: ¥10 billion per year

[CDU capacity: 400,000 BD]

* Including the supply of the petroleum product/semi product (37,000 bbls/day equivalent) from Showa Shell Sekiyu Group with the business alliance. * As of 31th March, 2018 Sakai Refinery: 100,000 BD - Delayed Coker in operation since Chiba Refinery: 177,000 BD 2010 - Keiyo Seisei JV G.K. established with TonenGeneral Sekiyu (currently JXTG Group) - After completion of construction of pipelines, [Greater competitiveness by Synergy for both companies: ¥10billion/year (July 2018~) investing in secondary processing equipment] ✓ Delayed Coker began operation in 2010 Large metropolitai Yokkaichi Refinery: 86,000 BD ✓ Higher value-added products - Business alliance with currently Idemitsu Showa Shell Group (Showa Yokkaichi Sekiyu) - Synergy for Cosmo: ¥1 billion/year (Apr 2017~)

[Petroleum Business] Redevelopment of Measures to Increase the Competitiveness of Chiba Refinery

Continue the operation of two CDUs at Chiba Refinery, taking into account the environmental changes such as the IMO regulations, and implement integration with Petrochemical business to improve profitability.

■ Increase the competitiveness of Chiba Refinery

- Continue the operation of two CDUs at Chiba (177,000 BD) after the completion of the pipeline to maximize the use of the pipeline (from July 2018).
- Use direct desulfurization equipment to meet increasing demand for marine fuels (low-sulfur C fuel oil) in response to the IMO regulations and enjoy maximized benefits.
- Integrate business with Petrochemical business.

■ Response to the Sophisticated Methods of Energy Supply Structures

- First announcement: disposal of No.5 CDU at Yokkaichi Refinery (Before change): disposal of No.1 CDU at Chiba Refinery
- Second announcement: reduction of CDU capacity (Before change): disposal of No.5 CDU at Yokkaichi Refinery

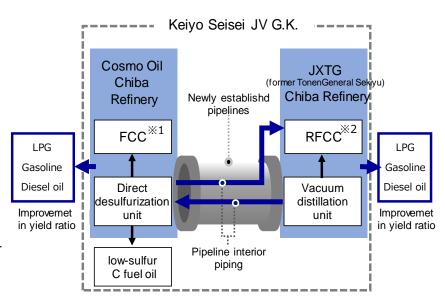
■ Overview of Keiyo Seisei JV G.K. (joint venture)

- Established: January 2015
- Capital contribution ratio: 50% each from the two companies
- Type of business: maximum use of pipelines

■ Overview of pipelines

- Completion of pipelines: February 2018
- Installation of nine pipelines (mutual adaptability between products and semi-finished products)
- Pipeline operation started: July 2018

■ An example of Synergy



- ※1 Fluid Catalytic Cracking (FCC) is an equipment to convert heavy oil to LPG, gasoline, diesel oil etc.
- ※2 Residue Fluid Catalytic Cracking (RFCC) is an equipment to convert extra heavy oil to LPG, gasoline, diesel oil etc.



[Petroleum Business]

- Strengthening competitiveness through an alliance with Kygnus Sekiyu K.K.

- ✓ Conclude a capital and business alliance with Kygnus Sekiyu K.K. and acquired 20% of common shares.
- ✓ Begin supplying petroleum products to Kygnus Sekiyu K.K. around CY2020.
- ✓ Advance discussion and consideration with a view to a business alliance, in addition to the supply of petroleum products.

Kygnus Sekiyu K.K.



- Sales Volume
 4,239 thousand KL
- Number of Service stations 462

(As of Mar.31,2019)

Capital and Business Alliance

Cosmo Energy Group



- Domestic Sales Volume 20.566 thousand KL
- Number of Service stations 2,792

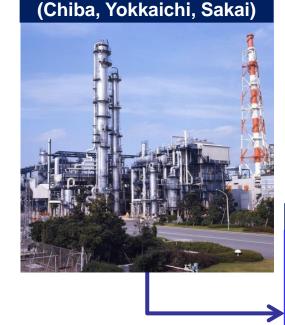
(As of Mar.31,2019)



Service station operators



Factory etc.



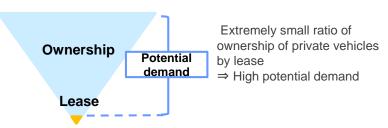
Cosmo Oil Refineries

[Petroleum Business] Strengthening the Retail Business (Individual Car Leasing Business) Low-risk Business Model that Takes Advantage of Strengths of SS 37

- ✓ Market : Enter the niche market of auto-leases for individuals that leasing companies could not serve
- ✓ Strategy: Acquire customers using the strengths of SS (frequent contacts of individual customers, etc.)
- ✓ Risk : Low risk due to the absence of car inventory and credit risk
- ✓ Business model: All parties, including customers, leasing companies, Cosmo, and dealerships, win.

Characteristics

Entry to the market with high potential demand



Using the strengths of SS

- Frequent contact with individual Customers (500,000 units/day) (*1)
 - (*1) The number of cars of customers visiting Cosmo SS (estimated by Cosmo)
- Acquire customers using membership cards ("Cosmo The Card": effective number of members 4.33 mil cards) (*2) (*2) As of March 31, 2019
- Fuel oil discount system (patented business model)

Low risk

 Because the SS play the role of dealerships, there is no credit risk or risk of keeping vehicle inventory.

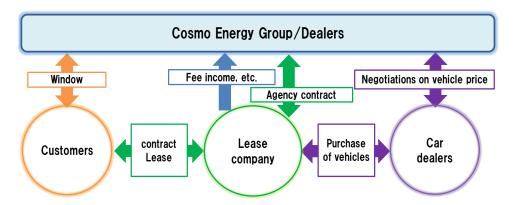
Win-win business model

Customers

- : Being able to drive new cars of any maker and model for a price lower than purchasing
- No complicated procedures
 - e.g. Simplified expenses for using a car (monthly flat rate that includes safety inspections, taxes, insurance, etc.)

Lease companies: Capture new customers

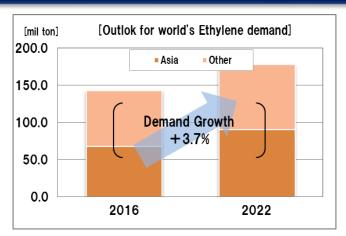
Cosmo, dealerships: Secure revenue sources that are not solely dependent on fuel oil

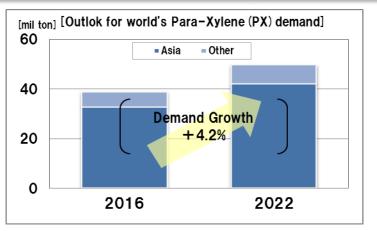




[Petrochemical Business] Targeting Ethylene and Para-xylene Markets in Which Growing Demand is Expected - High Capacity Utilization of Competitive Equipment 38

Expected global demand for petrochemical products





Source: Global Demand Trends for Petrochemical Products of the Ministry of Economy, Trade and Industry (2016-2022)

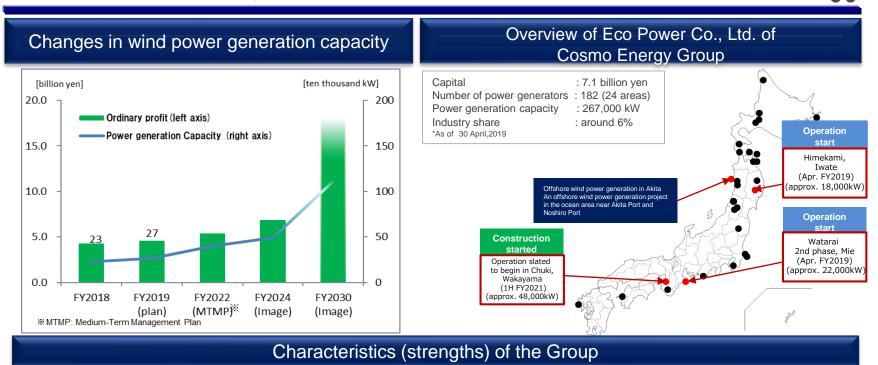
Strengths of Cosmo Energy Group HCP(*) - Adjacent to the area of demand(China) One of the highest PX production capacities in the world (world's highest demand for para-xylene) Maruzen Petrochemical (Chiba plant) Located in Keiyo industrial complex, one of the largest of its kind in the world One of the highest ethylene production capacities in Japan High capacity utilization of competitive Para-xylene devices (Part of ethylene is exported) Pursue synergy with oil refining Mixed-xylene CM Aromatics Yokkaichi Refinery Maruzen Petrochemical Cosmo Matsuvama Oil 0 (*) Hyundai Cosmo Petrochemical: JV of Cosmo Oil and Hyundai Oilbank

Production capacity

Product		Manufacture	Production capacity
Olefin-based	Ethylene	Maruzen Petrochemical	* 1.290 mil t/year
Aroma-based	Para-xylene	Hyundai Cosmo PetroChemical	1.180 mil t/year
	Benzene	Maruzen Petrochemical	0.600 mil t/year
		Hyundai Cosmo PetroChemical	0.250 mil t/year
		Cosmo Matsuyama Oil	0.090 mil t/year
		Total	0.940 mil t/year
	Mixed-xylene	Cosmo Oil (Yokkaichi Refinery)	0.300 mil t/year
		CM Aromatics	0.270 mil t/year
		Cosmo Matsuyama Oil	0.048 mil t/year
		Total	0.618 mil t/year
		Aroma-based, total	2.738 mil t/year

* Includes production capacity of Keiyo Ethylene (55% owned, consolidated subsidiary of Maruzen Petrochemical)

[Wind power generation Business] Achieving Stable Earnings in a Market Where Demand Is Expected to Expand, Using the FIT Scheme 39



- Making Eco Power Co., Ltd., a pioneer in the wind power generation business (founded in 1997), a Group company in 2010.
- Achieving high on-wind availability (90% or more) through development, construction, operation, and maintenance within the Group.
- Reducing risks of changes in wind conditions in each region and securing stable profit by placing wind power plants across the nation.
- ✓ Aiming to expand the business in the long term by expanding sites on land and participating in an offshore wind farm project.

Business environment in Japan

- ✓ The ratio of wind power generation to total power generation in Japan in 2030 is expected to be around three times greater (10 million kW) than the 2017 level (*2).
- ✓ The FIT scheme was introduced in 2012, and the acquisition price is fixed for 20 years.
- ✓ Entry into the market is not easy because advanced expertise is required in the identification of suitable sites and environmental assessment. (*3)
- (*2) Source: "The current situation of renewable energy and Calculation Committee for Procurement Price, etc. of this year" Agency for Natural Resources and Energy, September 2017 (*3) Identification of suitable sites (2 to 3 years) → Environmental assessment (4 to 5 years) → Construction work (1 to 2 years) → Start of operation

The 6th Consolidated Medium-Term Management Plan (Announced on March 20,2018)

Long-Term Direction of Business

- ✓ Improve the business portfolio for the subsequent growth in view of a long-term direction.
- ✓ Strengthen a financial condition by increasing the profitability of the Oil E&P and Petroleum business.

Long-term Direction The 6th Consolidated Medium-Term Management Plan, ✓ In view of the transition to a Consolidated Medium-Term CSR Plan fossil-fuel-free society, shift the focus to the renewable energy business through The 5th Consolidated active investment while Medium-Term Management 6th MTMP increasing the competitive Plan Goal -ness of petroleum-related businesses. 2022 ✓ Contribute to the achievement MTMP: Medium-Term Management Plan **Improvement of** of SDGs through the financial condition. sustainable growth of the Cosmo Energy Group. Current Oil& New **Expand growth driver** Secure profitability to **FY2013** toward the future enable reinvestment **Strengthen Group** Improve financial condition management foundation Recovery of oil business's profitability Stable return from investments to date

COSMO ENERGY HOLDINGS CO., LTD.

Promotion of alliance strategy

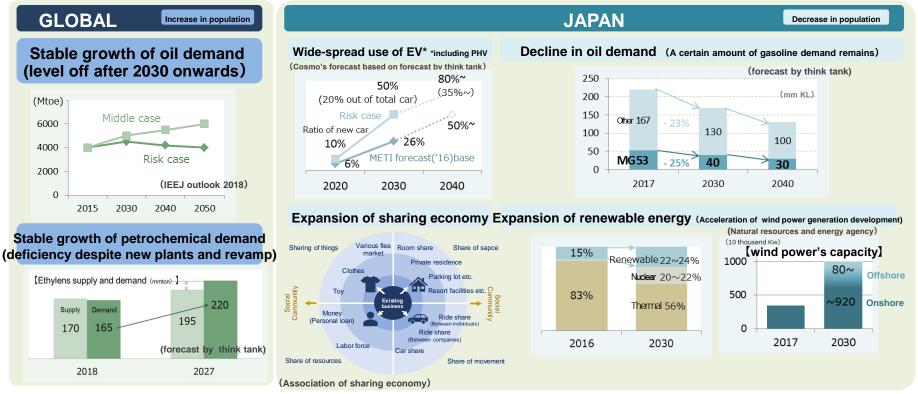
Promote CSR management

- √ The transition to a fossil-fuel-free society is accelerating in response to the Paris Agreement.
- ✓ Renewable energy will increase although the value of petroleum will remain by around 2030.

Paris Agreement (Set the target of greenhouse gas reduction)

4th Industrial revolution (Innovation of IT technology)

Acceleration of fossil fuel free



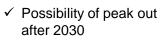


- In view of the transition to a fossil-fuel-free society, shift the focus to the renewable energy business through active investment while increasing the competitiveness of petroleum-related businesses.
- Contribute to the achievement of SDGs through the sustainable growth of the Cosmo Energy Group.

Strength

Integration

Weakness



- ✓ Cost competitiveness is a key
- → 6th MTMP: Maintain production level & reduce OPEX
- → Medium to long term: Seek added value projects utilizing the Company's strengths.

Renewables (wind power) **New business** (Discover)

Petrochemical

→ 6th MTMP:

- ✓ Domestic onshore mostly occupied but offshore to expand
- → 6th MTMP: Maximize onshore Expand to offshore
- → Long term:
- Become one of core business
- Aim to be a domestic leading company in offshore wind power generation.

Oil Refining and Sales

Oil E&P

Threat

Opportunity

- ✓ Domestic demand continue to decline but relative competitiveness will increase up to 2030
- → 6th MTMP:
- ·Focus on profitable products
- ·Petrochemical synergy
- → Long term:

Shift from petroleum fuel to petrochemical feedstock



The size of bubble shows the scale

image of ordinary profit

- ·Strengthen competitiveness in global market
- Development of differentiating products

✓ International markets are growing based on

✓ Ethylene production to keep competitiveness

an increase in the global population.

Capable to swing from petroleum fuel.

- Synergy with oil refining business
- → Long term: Shift from petroleum fuel to petrochemical feedstock.



"Oil": Increase the profitability of the petroleum business by, for example, complying with the IMO regulations and taking the lead in the supply of clean marine fuels.

⇒Strengthen financial condition based on earning power.

"New": Invest in wind power generation and other businesses that will lead the next growth stage.

⇒Contribute to the achievement of SDGs through business activities.

Secure profitability to enable reinvestment Expand growth driver toward the future

- Firm a system of safe, stable operation in oil refining business
- Take action ahead of the IMO regulations
 - →Increase profitable products.*
 - * Aim to raise the competitiveness of refineries that supply only relatively high added value petroleum products.
- ✓ Strengthen the "Vehicle life" business
- ✓ Achieve synergy with petrochemical business
- Steadily recover the investment in the Hail Oil **Field**

- Strengthen petrochemical business and increase its product-line
- Early development of offshore wind power generation
- Explore new businesses for future growth in domestic and overseas market(Asia / Abu Dhabi)

Improve financial condition

- Increase shareholders' equity
- Strengthen cash management
- Careful selection of investments with an eye on long-term environment
 - **⇒** Early achievement of management goals

Strengthen Group management foundation

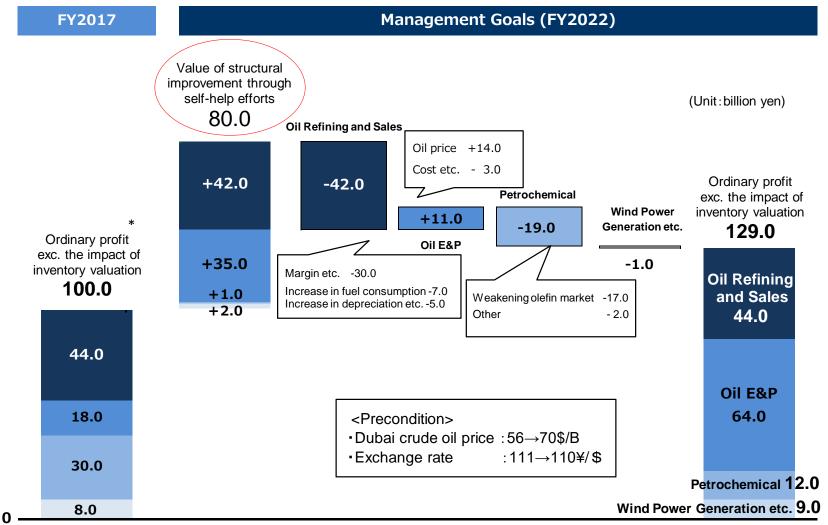
- Implement CSR management.
 - Pursue the sustainability of society and the Group.
 - Improve ESG key factors.
 - **→** Develop and implement the medium-term CSR management plan (FY2018 - FY2022).
- Increase productivity through work-style and operational innovation
 - Promote diversity.
 - RPA(Robotic process automation), Thoroughly increased operation efficiency using Al.

Increase earning power and improve the financial positon to achieve a goal of Net worth and DER of 1.0-1.5 times that can withstand changes in the market environment at an early stage.

【Ma	nagement Goals (FY2022)]	(Unit: billion yen)	
1	Ordinary profit (excluding impact of inventory valuation)	Over 120.0	
2	Profit attributable to owners of parent	Over 50.0	
3	Free cash flow (FY 2018 - FY 2022 Five years total)	Over 150.0	
4	Net worth	Over 400.0	
7	(Net worth ratio)	(Over 20%)	
5	Net Debt Equity Ratio*	1.0~1.5 times	
6	ROE	Over 10%	
[Pr	econdition]		
	Dubai crude oil price (USD/B) : 70	Exchange rate (yen/USD) : 110	

^{*}Calculated on the basis that 50% of ¥60 billion Hybrid Loan made on April 1, 2015 is included in Equity.

✓ Ordinary profit excluding the impact of inventory valuation is expected to be 129.0 billion yen in FY2022 despite an increase of 80.0 billion yen from FY2017, taking into account the assumptions such as crude oil prices.



^{*} Above is the forecast at the time when the new consolidated medium-term management plan was developed. Actual ordinary profit (excluding the impact of inventory valuation) was 95.9 billion yen.

An increase of 80.0 billion yen to be achieved, largely through changes such as increasing profitable products composition in oil refining and sales and production of the Hail Oil Field.

						(Unit:billion yen)
	FY2018	FY2019	FY2020	FY2021	FY2022	i m provem ent
lmpr	Improvement in FY2022 vs 2017 ⁽ excl. impact of market condition ⁾				80.0+α	
Oil Refining and Sales	Utilizing Chiba Refinery Pipeline Safe and stable operation, Improve utilization rate (Regular maintenance reduction • Chiba Refinery 4 year's operation), Synergy creation with petrochemical Achieve no heavy fuel oil production (response to IMO) Start Supply to Kygnus Sekiyu K.K. Expansion of vehicle life business			42.0		
Oil E&P	Stable produc	tion in existing	and the Hail Oil	Fields · OPEX	reduction	35.0
Petrochemical		petitiveness of I By with refinery	Start C9 petro	nical product , oleum resin bus	iness	1.0 Cash Flow:8.0
Wind Power Generation			230,000kW ⇒ 400	0,000kW)(see p Start offshore site project		2.0
New area	-	ces with MIC, Hy		and CEPSA		+α
※ Cash Flow: Ordinary profit + Increase in depreciation						

Carry out growth investment and shareholder returns while considering balance with the financial positon.

Incoming Cash

535.0

(Unit: billion yen)

Outgoing Cash

360.0

Net profit

225.0

→Increase

shareholders
'equity

Investment 360.0

Depreciation etc.

310.0

Free Cash Flow
175.0

→Decrease in debt
with interest
→Dividend

Shareholder Return Policy

- ✓ Recognize shareholder returns as an important business task
- ✓ With the principle of stable dividend payment, aim for further returns to shareholders while considering the balance between achievement toward management goals and growth investment.



^{*}Strategic investment is net amount reflecting operating lease etc.

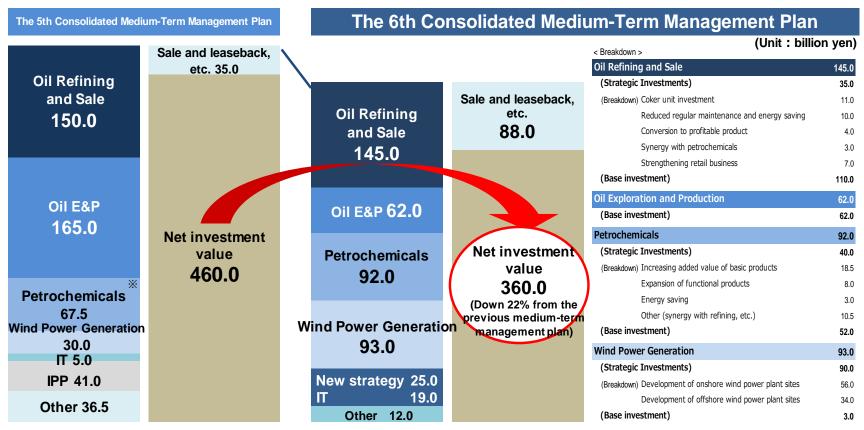
✓ Strategic investment: Actively use approx. 40% of the total investment for an increase in competitiveness and growth investment.

→Oil refining and sale : Increase delayed coker unit capacity.
 →Petrochemical : Increase added value of basic products.

→Wind power generation : Develop offshore wind power sites.

→New businesses : Discover businesses that will lead the next growth stage.

✓ Reduce cash-out using sale and leaseback, etc.



^{*} Calculated by assuming that Maruzen Petrochemical had become a consolidated subsidiary at the beginning of the 5th medium-term plan.

- ~ Contribution to Achievement of SDGs ~
- ✓ Develop a medium-term CSR management plan for activities that contribute to the sustainable development of both society and the Cosmo Energy Group.
- ✓ Promote activities based on the perspective of ESG throughout the supply chains, including group companies and business partners.



Enhancing human rights & social contribution measures



✓ Reduction of greenhouse gas emissions

[2030 targets]

CO2 emissions Down26% (from FY2013) (Down 2 million tons)

[2022 targets]

CO2 emissions Down16% (from FY2013) (Down 1.2 million tons)

- ✓ Reduction of pollutants
- ✓ Resource circulation

- ✓ Occupational safety & health
- ✓ Diversity
- √ Human resources development
- ✓ Customer satisfaction
 - ⇒Improve service level
 - **⇒**Enhancing Eco Card Fund initiatives

G

Ensuring safety measures



Strengthening corporate governance structure



- ✓ Safe operations and stable supply
 - →Preventing work-related accidents, Preventing major accidents
- √ Improvement of quality assurance system
- √ Thorough implementation of risk management and compliance system
- ✓ Development of CSR procurement policy
- ✓ Responses to ESG evaluation
 (improvement of information disclosure)
 → Improve ESG ratings

Business Strategy

Long-term business strategy based on strengths

- ✓ Strong relationships of trust built through stable production for around 50 years at the Abu Dhabi offshore oil field.
- ✓ In-house operation (operatorship)
- →Seek added value projects utilizing the Company's strengths.

Crude oil production volume (total of three development companies) and crude oil prices (B/D) (\$/B) Production volume total of three development companies (Left axis) —— Crude Oil Price (Right axis) 120 60.000 40.000 November, 2017 (ADOC) (ADOC (OPD) (ADOC) (ADOC) Neewat Al Ghalan Mubarraz Umm Al Ambai Al-Karkara, Fl-Bundua Start of production Start of Start of Start of production A-North production

Policies and measures in the 6th medium-term management plan

- Continue full production at the Hail Oil Field.
- ✓ Reduce operation cost (at least 30% per unit).
- ✓ Examine new investments for the next phase.

Value of improvement in FY2022 (from FY2017)

^{※1)} ADOC: Abu Dhabi Oil Company, UPD: United Petroleum Development, QPD: Qatar Petroleum Development

^{※2)} Production of three development companies per year (monthly average of 1-12 each year)

^{※3)} Crude oil prices (Platt's Dubai crude) average monthly

 $[\]frak{\%}4)$ The production volume of three development companies in fiscal 2018 is planned value

Long-term environmental awareness and business strategy

Environmental awareness

- ✓ A certain level of demand for petroleum products remains, despite a decline due to the increased use of EVs by consumers.
- ✓ Initiatives using IoT are increasingly active.

Business strategy

- ✓ Shift from fuel oil to petrochemical materials.
- ✓ Promote IT conversion of refineries

Policies in the 6th medium-term management plan

- ✓ Increase profitable products by increasing delayed coker unit capacity promoted by the IMO regulations and maintain high capacity utilization to establish refinery competitiveness exceeding the global standard.
- Grow the recipients of products and use alliances with other companies to increase competitiveness.
- Create synergy with the petrochemical business.

Measures in the 6th medium-term management plan

(billion yen)

	Value of Improvement		
1.	Increase degradation capacity, etc.	Increase delayed coker unit capacity at Sakai Refinery, etc. Use of Chiba Refinery pipeline ⇒Focus on profitable products	24.0
2.	Increase capacity utilization	Reduce unplanned suspensions Reduce regular maintenance periods at refineries	6.0
3.	Achieve synergy with the petrochemical business.	Use of unused distillates →Increase business opportunities	3.0
4.	Cost reduction	Energy-efficient operation of facilities Strategic purchasing, rationalized distribution	6.0

Value of improvement in FY2022 (from FY2017)



Long-term business strategy

- ✓ Acquire business areas based on a business model reform corresponding to a shift to EVs and changes in consumers' use of automobiles.
- ✓ Acquire total competitiveness together with oil refining business

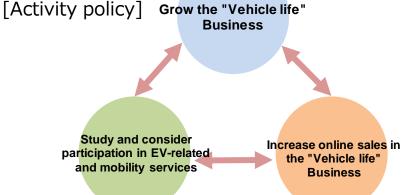
Policies in the 6th medium-term management plan

✓ Determine new business models that take the long-term business environment into consideration while seeking the growth of the "Vehicle life" Business

Measures in the 6th medium-term management plan

- Increase sales of lease and car care products.
 - →Collaborate with other companies in other industries to achieve total support (from obtaining a driver's license to the sale of a car) for car owners.
 - →Develop new products and provide services to meet customer demand.
 - →Increase online sales.

Value of improvement in FY2022 (from FY2017)





Long-term environmental awareness and business strategy

Environmental awareness

- International markets are growing based on an increase in the global population.
- ✓ Supply is increasing due to the construction of new highly competitive ethane crackers in North America and Naphtha crackers in China.
- ✓ A production shift from oil refining is possible.

Business strategy

- Maximize the use of the competitive advantage in ethylene and Paraxylene production.
- ✓ Shift from petroleum fuel oil to petrochemical materials.

Policies in the 6th medium-term management plan

- Enjoy and improve the synergy of oil refining and petrochemicals (exploitation of unused distillates, etc.).
- ✓ Increase the competitiveness of basic products and grow a new business of specialty products that are not vulnerable to environmental changes.

Measures in the 6th medium-term management plan

Improve profitability in the functional product area.

→ Start hydrogenated petroleum resin business with Arakawa Chemical Industries.

Investment in increasing competitiveness for the future

- →Increase the added value of basic chemical products.
- →Increase and add new capabilities of specialty products.

Value of improvement in FY2022 (from FY2017)

1.0 billion yen

Cash Flow:8.0 billion yen

*Cash Flow: Ordinary profit + Increase in depreciation

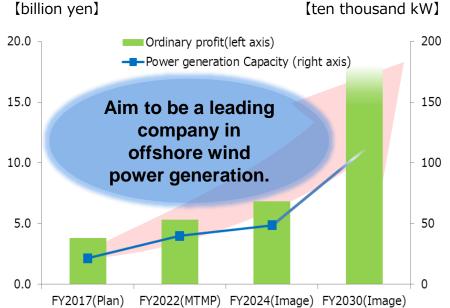
Long-term environmental awareness

- ✓ The Ministry of Economy, Trade and Industry plans to triple Japan's dependence on wind power by 2030.
- ✓ Japan must reduce CO2 emissions by 26% by 2030 to comply with the Paris Agreement.
- ✓ Land suited for the development of wind power plants will become full in the future.
- ✓ Offshore sites offer greater availability of wind power resources than onshore sites.
- ✓ Laws are being developed for offshore wind power generation.

Long-term business strategy

- ✓ Launch the offshore wind power business around FY2021.
 - → Full-scale contribution to profit is expected to occur after the period of the 6th medium-term management plan.

Trend of wind power generation capacity of Cosmo Energy Group





Business Strategy:

Wind power generation Business (6th Medium-Term Management Plan) 59

Policies in the 6th medium-term management plan

Onshore

- ✓ Steadily implement development projects that can secure the FIT unit price of 22 yen/kWh and aim to reach 500,000 kW at an early stage.
- Seek projects that contribute to new development.

Offshore

- ✓ As the land for power plant development is increasingly filled, use O&M* skills, the company's conventional strengths, and enter the offshore wind power at an early stage. (* operation and maintenance)
 - → Invest in this business to make it the foundation for the next growth stage.

Measures in the 6th medium-term management plan

- ✓ Reach a 500,000 kW at an early stage.
 - → Development of Himekami (18,000 kW) in Iwate Prefecture, Watarai 2nd phase (22,000 kW) in Mie prefecture, etc.
 - ⇒ Expect to achieve power generation capacity of 400,000 kW at the end of FY2022
- ✓ Development of a business plan, environmental assessment, construction, etc. to launch the operation of an offshore wind power plants.

Value of improvement in FY2022 (from FY2017)

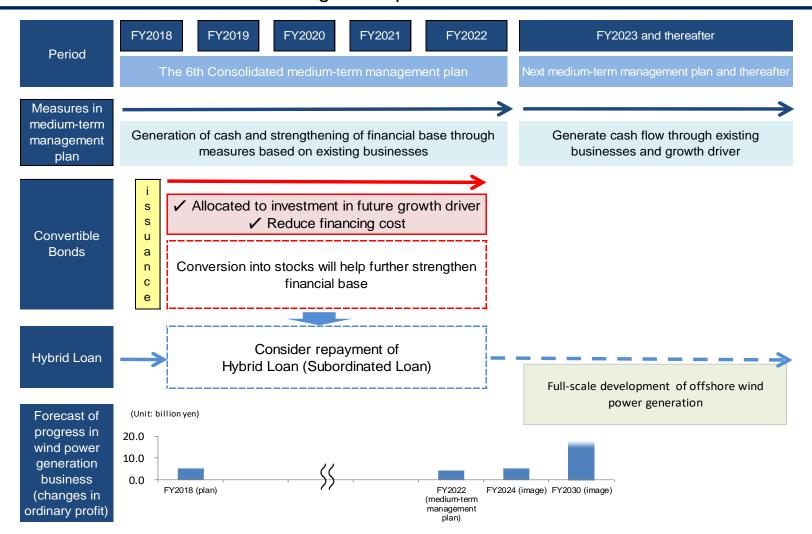


Zero Coupon Convertible Bonds due 2022 (being bonds with stock acquisition rights) (Announced on December 20,2018)

ltem	Overview
Title	The ¥60,000,000,000 Zero Coupon Convertible Bonds due 2022 (being bonds with stock acquisition rights)
Total amount of bonds	¥60,000,000
Bond interest rate	Interest will not be attached to these bonds.
Date of payment and issuance	December 5,2018
Maturity date	December 5,2022
Benefits	 Financing cost can be reduced by issuing bonds without attaching interest (zero coupon). The bonds will be offered primarily to investors in overseas markets, which, therefore, will contribute to the diversification of financing methods and can be expected to increase the flexibility of the company's future financing strategies. A rider will be attached to promote the conversion into stocks, and converted stocks will contribute to further strengthening and improvement of the company's financial base in the future. Since the conversion price will be set to exceed the bonds' market value, the bonds are expected to be converted into stoks mainly when shareholder value grows, such as a future increase in stock price, which will help control the dilution of per-share value resulting from the conversion.
Uses of funds	 Allocate approx. 11 billion yen by March 2021 as funds for investment and loans for a subsidiary in petrochemical business in order to, increase competitiveness through means such as reduction of maintenance costs, and expansion of high-value-added products. Allocate approx. 49 billion yen by March 2021 as funds for investment and loans for a subsidiary in the wind power generation business in order to construct onshore and offshore wind power plants.



- Secure funds for investment and loans to strengthen the "New" part of the growth driver, "Oil & New," for the future.
- For the time being, increase capital by accumulating profit through the execution of the current medium-term management plan.



- 1. The conventional policy will not change for the cash balance for the entire period of medium- term management plan.
- 2. Therefore, the issuing of convertible bonds this time means a change in financing method within cash flow from financing activities.
- 3. The company does not intend to increase interest-bearing debt from the conventional plan.

Cash balance and use of funds (FY2018 - FY2022)

(Unit: billion yen) (1) Cash flow from operating activities 535.0 ✓ No change from medium-term -360.0 (2) Cash flow from investing activities management plan (3) Free cash flow (1) + (2)175.0 ✓ Of the investment made in FY2019 and FY2020, 60 billion yen financed (4) Cash flow from financing activities -175.0through CB is allocated to petrochemicals and wind power (Breakdown of cash flow from financing activities) generation businesses as a major Repayment of debts -XXX.X change in the business portfolio. +XXX.X **Borrowing** Partial change Convertible bonds +60.0 Dividends -XX.X

COSMO ENERGY HOLDINGS CO., LTD.

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