# Oil & New

## Everything About Oil - And Beyond

#### Review of the previous Consolidated Medium-Term Management Plan FY2013-FY2017

 Steadily achieved "the recovery of the oil refining business" and "the growth by the large investment" while utilizing the alliance strategy

### Four Basic Policies and their Steady Execution

Recover profitability in the oil refining sector

- Closure of Sakaide Refinery (¥10 billion in rationalization impact)
- Establishment of Keivo Seisei JV
- Chiba Refinery's 2-year long-run operation (¥7 billion in profit improvement)
- Start of business alliance in Yokkaichi (¥1 billion/year in synergies at Cosmo)

Collect return from investments made in the previous Consolidated Medium-Term Management Plan

- The Hail Oil Field's start of operation
- HCP's¹ newly-established para-xylene production facilities started operation
- · Expansion of wind power generation capacity

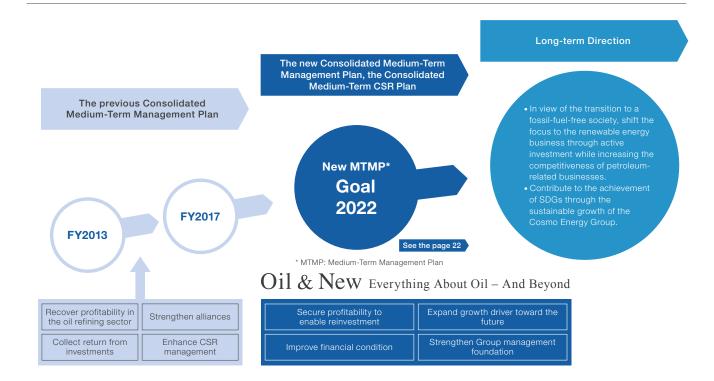
- Strengthen alliances
- Strategic comprehensive alliance with CEPSA, fully-owned by MIC2 (formerly IPIC)
- Integration of four companies in LPG business (Foundation of Gyxis)
- Capital and business alliance with Kygnus Sekiyu
- Maruzen Petrochemical became a consolidated subsidiary

#### Enhance CSR management

- Thorough safety management
- Working style reform to raise work efficiency
- Promotion of environmental measures
- Enhancement of governance system
- Hyundai Cosmo Petrochemical. A joint venture with Hyundai Oilbank (HDO) in South Korea.
   Mubadala Investment Company (MIC), a holding company, was established by an integration of International Petroleum Investment Company (IPIC), an energy investment company that is fully owned by the Abu Dhabi government and Mubadala Development Company (MDC).

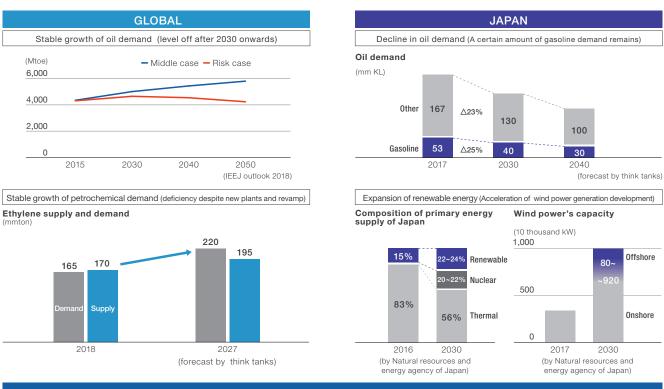
#### Importance of Taking a Long-Term Perspective

- 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.



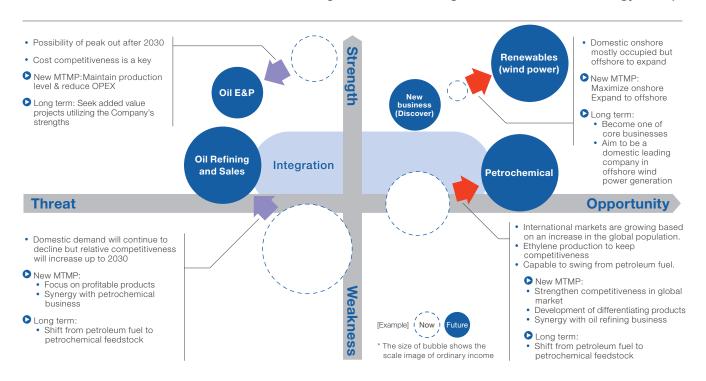
#### **Long-Term Environmental Awareness**

- 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.
- The use of Electric Vehicles (EV) will accelerate, while the sharing economy will expand.



#### Conversion image to long-term business portfolio

- 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.



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#### Basic policy of the new consolidated medium-term management plan ~Oil & New~

- · Increase the profitability of the petroleum business by, for example, complying with the IMO regulations on use of high-sulfur fuel oil and taking the lead in the supply of clean marine fuels.
- Strengthen financial condition based on earning power.

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- Invest in wind power generation and other businesses that will lead the next growth stage.
- Contribute to the achievement of SDGs through business activities.

#### Four priority measures

#### 1. 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 to produce high-sulfur fuel oil and increase profitable products.\*
- Strengthen the "Vehicle life" business
- Achieve synergy with petrochemical business
- Steadily recover the investment in the Hail Oil Field
- \* Aim to raise the competitiveness of refineries that supply only relatively high added

#### 3. Improve financial condition

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

#### 2. 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)

#### 4. 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 AI



#### **Management Goals (FY2022)**

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

Management Goals (FY2022)			(Unit: billion yen)	
1	Ordinary income (excluding the 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 (Net worth ratio)		Over 400.0 (0ver 20%)	
5	Net D/E Ratio*		1.0~1.5 times	
6	ROE		Over 10%	

# Precondition Dubai crude oil price (USD/B):70 Exchange rate (yen/USD):110

#### **Business Strategy and Value of Improvement**

 An increase of 80.0 billion yen in ordinary income excluding the impact of inventory valuation 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	Improvement			
Improvement in FY2022 vs FY2017 (excl. impact of market condition)									
	Safe and stable operation,Im								
Oil Refining and Sales	Achieve no high-sulfur fuel oil	production (response to IMO)				42.0			
and Saiss			Start Supply to Kygn	us Sekiyu K.K.					
	Expansion of vehicle life business								
Oil E&P	Stable production in existing and the Hail Oil Fields: OPEX reduction					35.0			
Datus alta maia al	Enhance competitiveness of basic petrochemical product, Pursue synergy with refinery					1.0			
Petrochemical			St	tart C9 petroleum resin busir	ness	Cash Flow:8.0*			
Renewable	Expand onshore wind firms (Power generation capacity 230,000kW → 400,000kW)					0.0			
energy	[	Develop offshore wind farms		Start offshore wind	power site project	2.0			
Name and a	Deepen alliances with MIC, Hyundai Oilbank, and CEPSA								
New areas			Sow the seed to new business			+α			

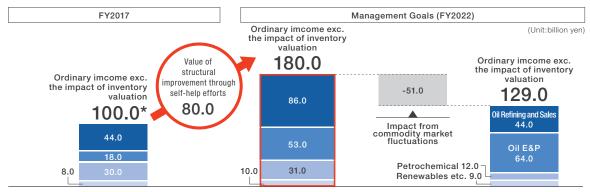
<sup>\*</sup> Cash Flow: Ordinary income + Increase in depreciation

<sup>\*</sup> Calculated on the basis that 50% of 60 billion yen Hybrid Loan made on 1st April 2015 is included into Equity.

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#### **Profit Plan**

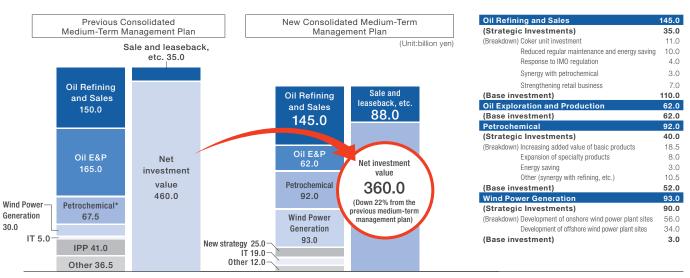
 Ordinary income is expected to be 129.0 billion yen in FY2022 despite an increase of 80.0 billion yen from FY2017, taking into account the assumptions such as crude oil prices.



<sup>\*</sup> Above is the forecast at the time when the new consolidated medium-term management plan was developed Actual ordinary income (excluding the impact of inventory valuation) was 95.9 billion yen.

#### **Investment Plan**

- Strategic investment: Actively use approx. 40% of the total investment for an increase in competitiveness and growth investment.
  - Oil refining and sales: Increase Delayed Coker unit capacity Wind power generation: Develop offshore wind power sites
  - Petrochemicals: Increase added value of basic products New businesses: Discover businesses that will lead the next growth stage
- Reduce cash-out by using sale and leaseback, etc.



<sup>\*</sup> Calculated by assuming that Maruzen Petrochemical had become a consolidated subsidiary at the beginning of the Previous Consolidated Medium-Term Plan.



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#### Cash Balance and Use of Funds (FY2018-FY2022)

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



## Shareholder Return Policy

- Recognize shareholder returns as an important management 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 sale and leaseback etc.

#### Overview of new Consolidated Medium-Term CSR Management Plan -Contribution to Achievement of SDGs-

- Develop the 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.



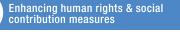
















- Reduction of greenhouse gas emissions
   FY2030 targets CO<sub>2</sub> emissions Down26% [from FY2013] (Down 2 million tons)
   FY2022 targets CO<sub>2</sub> emissions Down16% [from FY2013] (Down 1.2 million tons)
- •Initiatives to recycle resources
- FY2022 targets CO<sub>2</sub> emissions Down16% [from FY2013] (Down 1.2 million tons)
  •Reduction of pollutants
  - **G** Ensuring safety measures







Diversity

Strengthening corporate governance structure

⇒Enhancing Eco Card Fund initiatives





- ·Safe operations and stable supply
- →Preventing work-related accidents, and major accidents
- Quality assurance

•Risk management and compliance

·Occupational safety & health management

Customer satisfaction →Improve service level

· Human resources development

- •CSR-based procurement
- Information disclosure →Improve ESG ratings

See the pages 43-54