

Roadmap for Improving Corporate Value

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Cosmo Energy Holdings Co., Ltd.

(Code: 5021, Prime Market in the Tokyo Stock Exchange)

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Roadmap for Improving Corporate Value



Maximizing the Value of Our Assets on Behalf of Shareholders

〈 Profitability 〉 Strengthen Competitiveness of Oil Business	〈 Growth Expectation 〉 Invest in Next-Generation, Low Carbon Energy Businesses	Capital Policy Financial Flexibility and Returning Capital to Shareholders
Ensure high operating rate and high- efficiency at refineries	 Utilizing cash generation from Oil Business to create future cash generation businesses – Green Electricity Supply Chain, SAF, Hydrogen etc. 	✓ Targeted net worth of ¥600 bil. in the 7 th mid-terr management plan preserves financial flexibility across cycles
 Maximize production volume of Oil E&P business 	✓ Generate a total of ¥50 bil. in ordinary profit in	✓ Maintain A credit rating
Safe and efficient operator	FY2030, including ¥40 bil. from the Green Electricity Supply Chain and ¥10 bil. from Next- Generation Energy business expansion (20-25% of	 ✓ Outperforming shareholders returns compared w the competitors
	total ordinary profit)	✓ Achieving high capital efficiency

Supported by Management Transformation Initiatives

motivates employees and namesses capabilities and change management carbon emis	HRX	DX	GX
	(Human Resources Transformation)	(Digital Transformation)	(Green Transformation)
their skills		5 S	Realize roadmap to achieve net zero carbon emissions by 2050



Promote transition to NEW Business (Next-Generation Business) and secure growth opportunities

Cash Generation

Oil Business

- ✓ Three refineries with crude oil refining capacity of 363,000 B/D
- ✓ Maintain high operating rate at refineries through short position strategy where production volume is lower than sales volume. Our operating rate over the past three years was 92%, compared to the national average of 74%.



Oil E&P Business

- Based on relationships of trust with oil producing countries for over 50 years, remain highly cost competitive and maintain select operatorships
- ✓ Segment ordinary profit remained in the black even in 2016 and 2020, when crude oil prices were low

Reinvesting Cash Flow into New

Business

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- Earnings opportunities exist not only in power generation, but also in supply and demand adjustment, battery storage and green electricity sales
- ✓ Owning business and customer base within the group across the entire supply chain drives synergies

Investment in NEW business

Green Electricity Supply Chain



- ✓ Positioned as the most important business segment for growth
 - Our subsidiary Cosmo Eco Power is specializing in wind power generation (3rd largest in Japan) with over 20 years of experience and an integrated system from development to O&M
- Scheduled to open in 2024

Next-Generation Energy

Complete image of mass

production demonstration

facility for Japan's first

locally-made SAF



- ✓ Accelerating efforts toward mass production of Japan's first domestically produced SAF. Build a SAF supply system of 30,000 KL in FY2025 and 300,000 KL in FY2030
- Accelerating efforts toward hydrogen business starting with the deployment of hydrogen stations as an entry into the hydrogen supply chain



Achieve sustainable cash generation by reinvesting in next-generation businesses (NEW) that are responsible for high growth





All management targets in the 6th MTMP Management achieved



Managem	ent Goals	Results
Ordinary profit (excl. impact of inventory valuation)	>¥120.0 bil.	¥142.9 bil.
Net profit	>¥50.0 bil.	¥67.9 bil.
Free cash flow (5 years cumulative)	>¥150.0 bil.	¥152.2 bil.*
Net worth (Net worth ratio)	>¥400.0 bil. (>20%)	¥527.9 bil. (24.9%)
Net D/E ratio	1.0-1.5×	1.1×
ROE	>10% (excl. inventory effect)	10.7%

* Excluding the impact of the fuel oil price drastic fluctuation mitigation subsidy and provisional payment of consumption tax and corporate tax in FY2022



7th MTMP Management Goals For 2025

Shareholder Returns	Financial Health	Capital Efficiency	Profitability
Total payout ratio (excl. impact of inventory valuation) ≥60% (three-year cumulative) Dividend ≥¥250 per share	Net D/E ratio 1.0 times (Net worth ≥¥600.0 bil.)	ROE ≥ 10 % ROIC ≥ 6 %	Ordinary profit (excl. impact of inventory valuation) ►¥165.0 bil. (Profit attributable to owners of parent ≥¥60.0 bil.)
Future Investment	DX	HRX	GX
Investment in New fields ¥140.0 bil. (three-year cumulative)	Development of core digital personnel 900 people	Engagement index ≥60 points Human capital investment ¥180,000 /person	GHG emission reduction 2030 vs 2013 (incl. Scope 1,2 and reduction contribution) -30%



Improving Corporate Value through Optimal Capital Allocation



Implementing optimal capital allocation with an eye toward improving corporate value







- ✓ Net worth of ¥600 bil. and net D/E ratio of 1.0x during the 7th MTMP period are optimal for financial health
- ✓ Achieve high capital efficiency and flexible financing while mitigating risks



Cash Balance

Cosmo Balances Near-Term Cash Returns to Shareholders With Investments to Secure Long-Term Corporate Value Appreciation

	Cash IN		Cash OUT		
(¥ bil.)					Shareholder Returns
	405.0	Due fit	100.0		 >60% of cumulative total return ratio over 3 years based on net income excluding impact of inventory evaluation
	165.0	Profit attributable to owners of parent			 Stable dividends with a minimum of ¥250 / share In principle, additional returns will be provided if financial soundness reaches the target
			140.0		 In principle, additional returns will be provided in infancial soundness reaches the target value. The timing of implementing additional returns will be determined within the three years of MTMP plan
			140.0		New Business Investments
					New Business investments
	195.0	Depreciation & Amortization	Strategic Investment 64.0		 We plan to invest ¥140 bil. in carefully selected new businesses, focusing on investments in Green Electricity Supply Chains and Next-Generation Energy Of this, we will invest ¥83 bil. in wind power generation business (¥44 bil. onshore, offshore ¥39 bil.)
			200.0		Oil Business Investments
	115.0	Return of funders / Asset Sales, etc.			 Plans to invest ¥280 bil. in Oil business In Oil E&P, investment has already been implemented to increase production in the Hail Oil Field, which is already in production, and in Offshore Block 4, a new mining area adjacent to the existing operating area
	45.0	Loans, etc.			 In petroleum Refining & Sales, we will make essential investments with a focus on safe operation investment of ¥110 bil. to maintain the current high competitiveness



Balancing Financial Soundness and Shareholder Returns

Track Record of Increasing Net Worth While Simultaneously Returning Capital to Shareholders





Growth of Renewable Energy Business



Earnings Opportunities in Renewable Energy Business

- Earnings opportunities exist not only for power generation, but also for supply-demand adjustment/storage, and green electricity sales.
- ✓ We already have multiple businesses and customer bases within the Group, aiming to create synergies throughout the supply chain.



Cosmo Eco Power Co., Ltd.

Cosmo Energy Solutions Co., Ltd.

Cosmo Oil Marketing Co., Ltd.



Disadvantages of spin-off/independence of renewable energy business subsidiary

 ✓ The spin-off/independence of a renewable energy business subsidiary (Cosmo Eco Power Co., Ltd.) would cause various disadvantages.



- iii) Declines in creditworthiness of various business situation (Project consortium, administrative, fisheries cooperatives, local residents)
- iv) Increased labor loads per person associated with the spinoff /independence
- v) Unrealistic to achieve net-zero carbon emissions by 2050



Disadvantages of spin-off/independence of renewable energy business subsidiary

- ✓ The spin-off of the business may not be the right path to choose as the business is currently in the early stage of growth
- ✓ Open to other strategic options to enhance enterprise value in the mid and long term



* Peer comparables include: NYSE: NOVA, SZSE: 002015, NYSE: ORA, NasdaqGS: AY, NasdaqGS: RNW, NYSE: NEP, NSEI: NHPC, NYSE: CWEN.A, and TSX: NPI



Profitability of Oil Business



Short position strategy *

- ✓ In addition to a significant strategic reduction in refining capacity, sales volume is expanding.
- Even considering the future decline in domestic demand, high operating rate is expected to continue for the time being.



*1 Comparison of topper unit capacity in April 2013 and April 2023, which excludes consignment of crude oil refining to Showa Yokkaichi Sekiyu.

*2 Comparison of domestic sales volume of four products (Gasoline, Kerosene, Diesel fuel and Heavy Oil A) in FY2013 and FY2022.



Achieving high operating rates and high profitability

- In addition to the short-position strategy, due to the introduction of an "Operation Management System" and other measures improved the level of safe operations, our refineries has been continuing to operate at a high level, significantly exceeding the national average.
- ✓ By integrated operation at the three refineries, we have reduced production of high-sulfur heavy oil to zero and increased production of high-value-added gasoline. That leads high competitiveness.



Profit of Petroleum business and operating ratio at refinery



Superiority of the Oil Exploration and Production business



Partnership with oil-producing countries

- Building a strong relationship of confidence with Abu Dhabi Emirates for more than 50 years since the signing of the Rights Agreement in 1967. Building a Stable Production System over the Long Term
- ✓ In the Middle East region, the only Japanese company is promoting its business as an operator. Holding several highly cost-competitive oil fields

Continue stable production for a long period of time



1967 Concession agreement concluded





Competitiveness of the Oil E&P business

- The production area is a conventional oil field located in the shallow sea. Our oil fields are competitive and with lower operating costs compared with unconventional oil fields such as large-water deep oil fields and shale oil.
- Exploration, development, and production of petroleum has been carried out for more than 50 years as an operator. Accumulate technologies, expertise and experience
- ✓ In fiscal 2016 and 2020, when crude oil prices were sluggish, segment ordinary income remained in the black.

Oil Exploration and Production Business: Ordinary Income







Vision 2030



Vision 2030

To create energy that shapes the future, energy that sustains society, and new forms of value









Vision 2030_Bolster green electricity supply chain (2/2)





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Vision 2030_Strengthen Oil Business competitiveness and pursue low carbonization

Green energy





