Investor Presentation

June 2023



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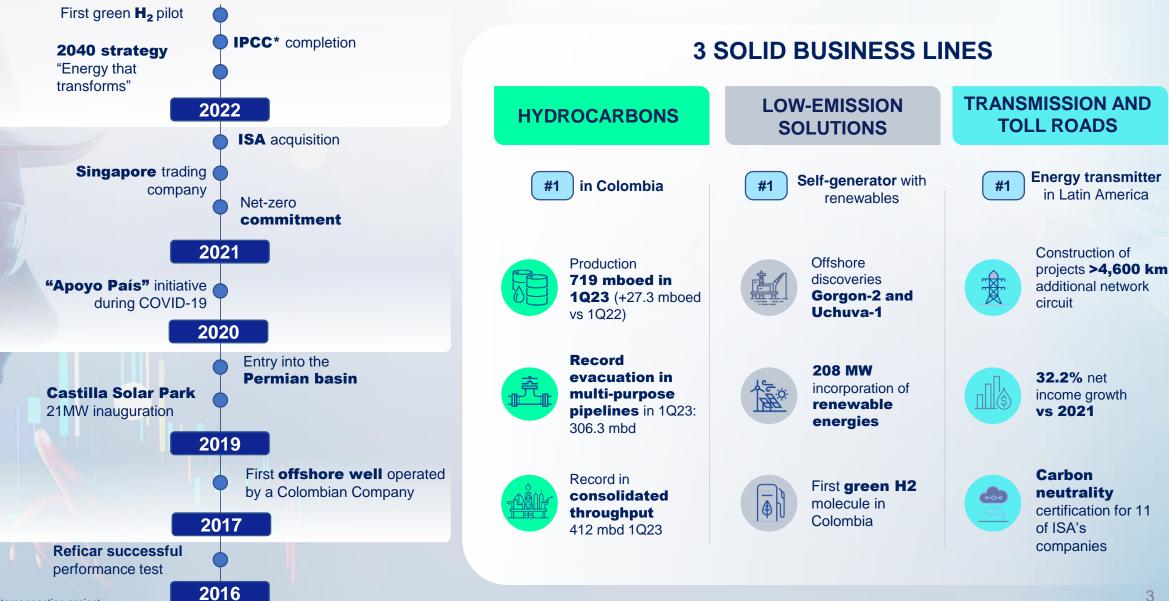
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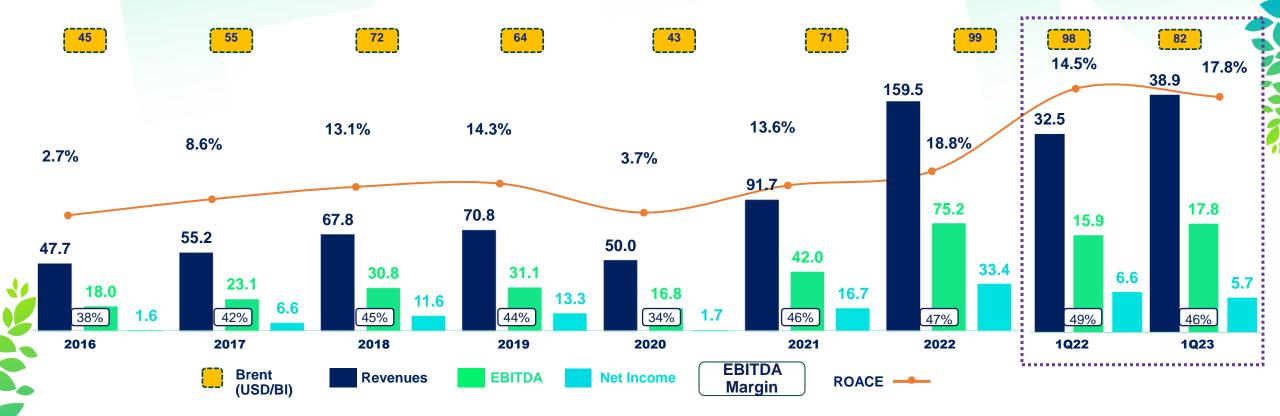
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Ecopetrol is today a diversified energy group Leader in LATAM



Record results, beyond the financials



RESULTS THAT EXCEED THE SET TARGETS



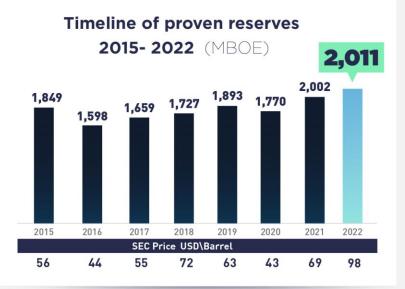
2040 CORPORATE STRATEGY

COMPETITIVE RETURNS **GROW WITH THE ENERGY TRANSITION** 8%-10% Return on capital (ROACE) 13,000 - 14,000 MUS\$ (~49 - 53 TCOP) < 2.5X Gross debt / EBITDA Annual EBITDA by 2040** 30%-50% **13 - 20** TCOP Share of low-emission Annual transfer payments to the Nation * business in GE EBITDA CUTTING-EDGE KNOWLEDGE **GENERATE VALUE THROUGH TESG 20 - 30** BUS\$ **Zero** CO2 emissions by 2050 (Scopes 1 and 2) -50% cutback of total emissions by 2050 (~76 - 114 TCOP) Cumulative EBITDA by 2040 enabled by technology and innovation Zero Water discharges by 2045 70% of personnel in reskilling by 2030 (to face new challenges) 230,000 Non-O&G positions by 2040

Assumptions: Brent (2025- 2040) 45 -55 US\$/BI. Exchange rate: \$3,800/ cop *Includes: Royalties, taxes and dividends **6,500 -8,500 MUS\$ 0&G Annual EBITDA by 2040 IN 2022, AT 2,011 MBOE, THE ECOPETROL GROUP ACHIEVED THE HIGHEST OIL AND GAS RESERVES OF THE PAST 8 YEARS









2022 Reserves	MBOE		
1P Proven	2,011 486 2,497		
Probable			
Scenario 2P (Proven + Probable)			
Possible	369		
Scenario 3P (Proven + Probable +	2,866		
Contingent Res	ources		
Uncertainty range	1C (Low)	2C (Medium)	3C (High)
Contingent	601	1,169	2,305

Average reserve life

(veras)

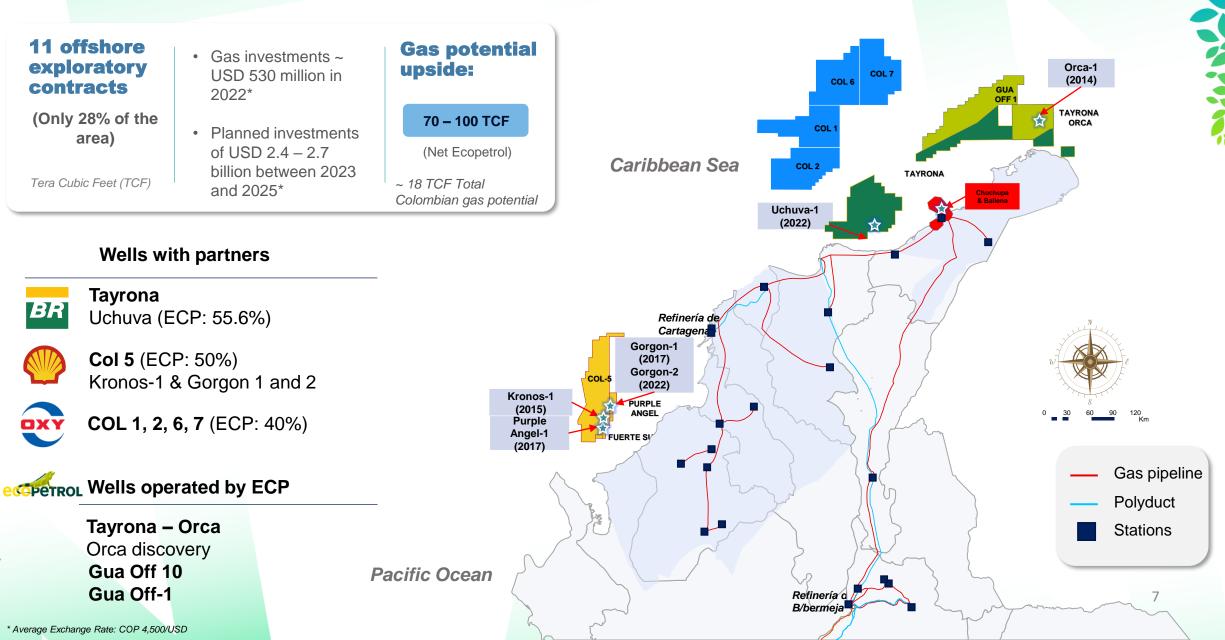


Time for which reserves would be sufficient at current production, if no new activities are undertaken

Exploration

1

Offshore Caribbean Gas Potential

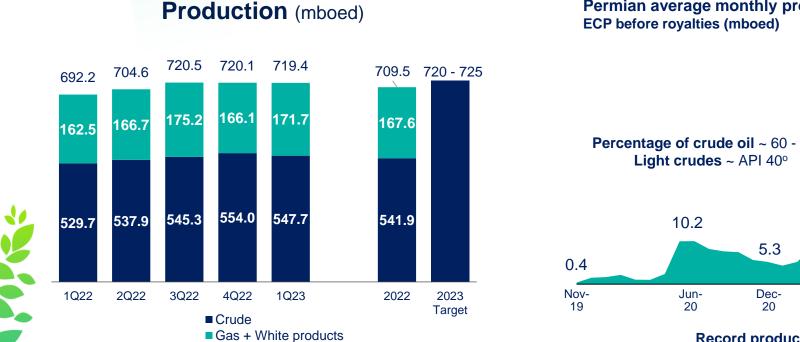


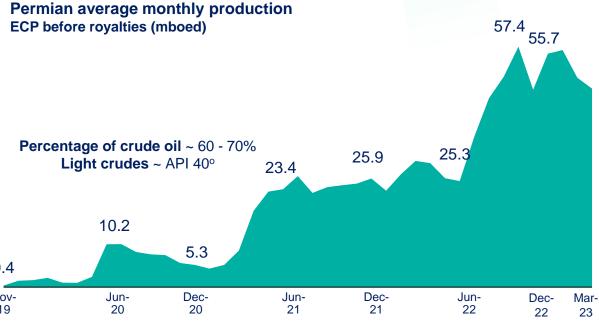
PETRO

Production

Outstanding production performance

Outstanding contribution from Permian





Record production of **100 mboed** in May 2023



+167% vs 2022 target Upstream



Water Neutrality in Chichimene

Contributing to TESG Strategy

52%

28% Reuse of total produced water (2 MBWPD)

Reduction of freshwater withdrawal vs 2021 (87.7 KBWPD)



8

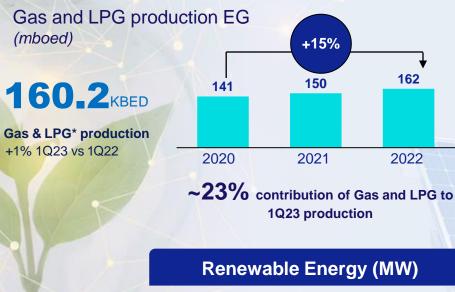
Low Emission Solutions

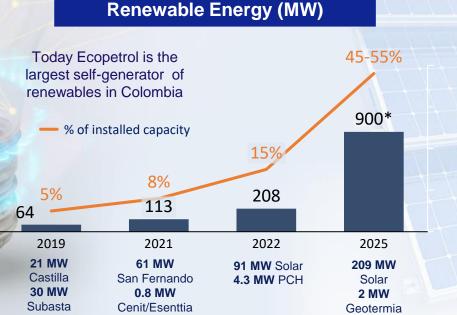
Profitable growth in low emissions

162

2022









Main gas

findings:

Gorgon-2

(Ultra Deep

Uchuva-1

(Deep water)

water)

New Energies



Rubiales Solar farm (100 MW): Signed agreement with Total Eren for construction Emissions reduction: 6.417 tCO2 (+127% vs 1Q22) Savings: 6.638 MCOP (+45% vs 1Q22)



Biomass

Partnership with EDF and Refocosta for the construction of a biomass plant (25MW)



Hydrogen

Advances of 2 projects in final stage of maturity (60 MW electrolysis capacity each)



Geothermal

Signing of the agreement with Baker Hughes and the Central Hidroeléctrica de Caldas

Sustainable mobility



Launching of the mobility pilot (Toyota Mirai) **Cartagena Technology** Center



H2 Sustainable Mobility Pilot Launching Event SITP**

Transmission and Toll Roads

On the path to profitable growth

BUSINESS LINE CONTRIBUTION 1T23 (COP T)*

GE without Transmission and Toll Roads Transmission and Toll Roads Contribution **Total Ecopetrol Group**

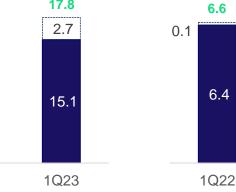


EBITDA 17.8

2.0

13.9

1Q22



Net Income

0.2

5.7

5.4

1Q23

OPERATING MILESTONES



Award of **13** red extensions in Brazil and **8** connections in Brazil, Colombia and Peru



Energization of **15** upgrades and **1** reinforcement in CTEEP, and partial start-up of Itaúnas IE in Brazil

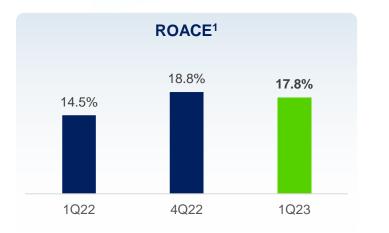


Termination of Ruta del Bosque road concession in Chile



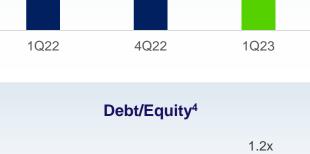
* Totals may not exactly equal the sum of the individual entries due to rounding.

Outstanding results despite changes in market environment

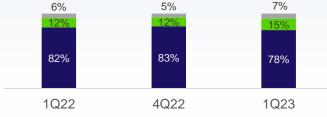


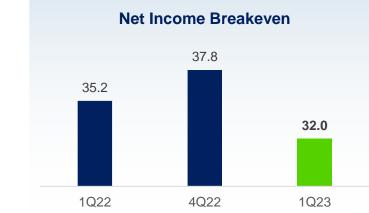
EBITDA Margin² 49.0% 40.3% **45.9%**

Ecopetrol Group's Indicators 1Q23









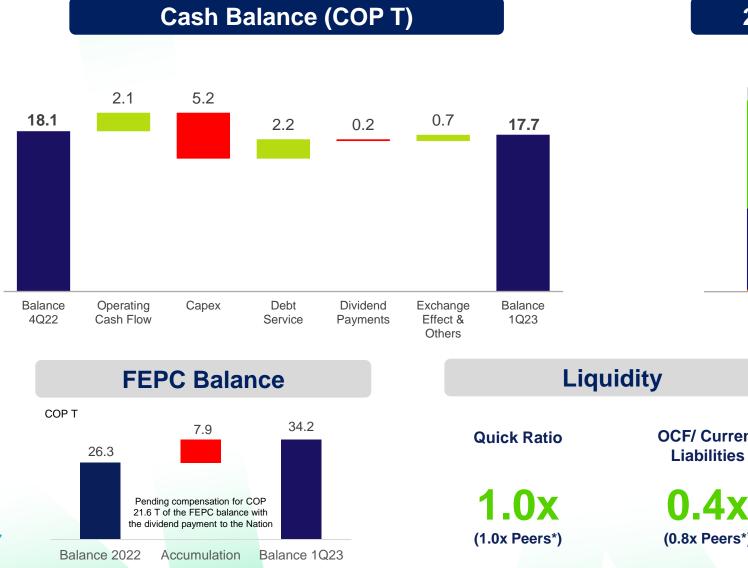






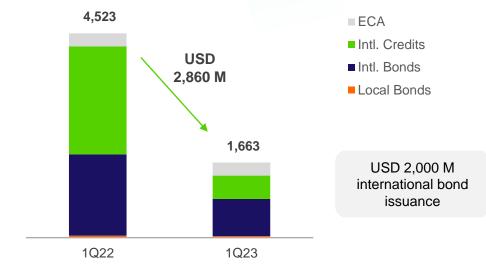
1. Return on Average Capital Employed. 2. Calculated using Ecopetrol's Group methodology (incorporation of results of co-controlled companies) as of 01/01/2022. 3. LTM EBITDA.4. Accounting Equity.

Strong financials aligned with investment grade*



1

2023 Debt Management (USD M)

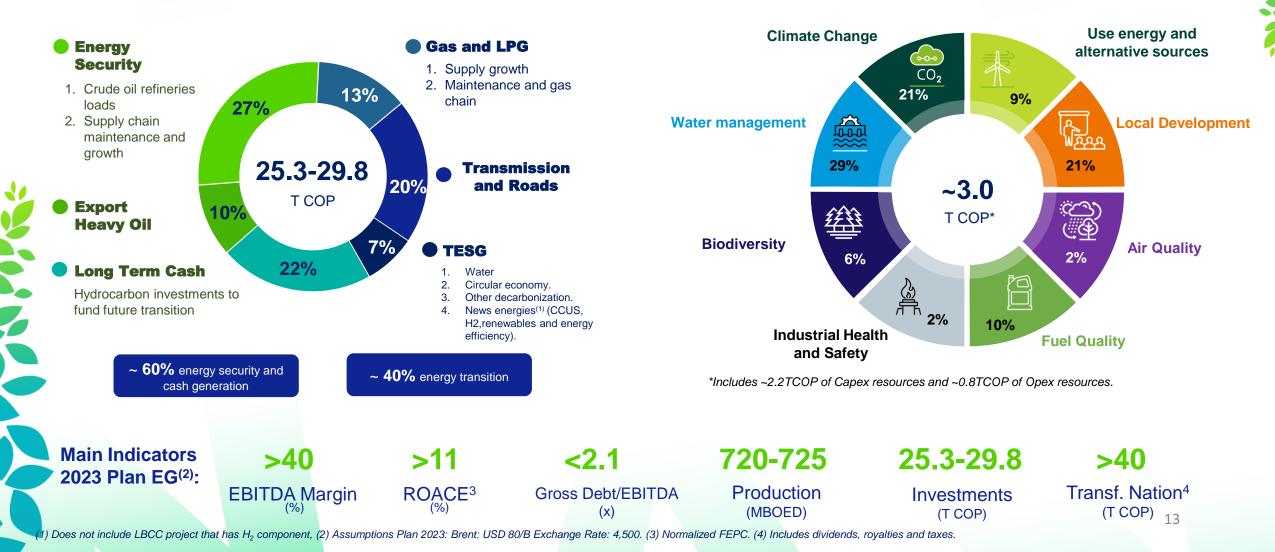




The 2023 financial and investment Plan is geared towards the energy transition and value creation

40% of the investments in 2023 are oriented towards the energy transition

The Ecopetrol Group allocates resources from the 2023 Plan in its commitment to <u>TESG</u>



TESG in support of long-term value creation

	Strategic Commitments		Target	1Q23 F Plan	Real	2023 Projection
	SCIENCE, TECHNOLOGY AND INNOVATION TESG accelerator	Ç	ST+i Value Generation (USD M)	168.3	176.9 🌑	2,950 ¹
	CLIMATE CHANGE Net zero emissions • 25% scope 1 and 2 by 2030 • 100% scope 1 and 2 by 2050	CO ₂	Cumulative GHG reduction against 2019 baseline (MtCO2e)	-0.97	-0.98 🥌	-1.34
	• 50% scope 3 - total emissions by 2050 COMPREHENSIVE WATER MANAGEMENT • Water neutrality by 2045 ²		Water withdrawn for industrial use (mbod) Discharge reduction (mbwpd)	724	651 ● 0.12⁴	651 Maturing of initiatives
S	LOCAL DEVELOPMENT 230,000 non-oil jobs by 2040		Non-oil jobs	-	6,008 ⁴ 🥌	25,000 ⁵
G	CORPORATE GOVERNANCE Generate trust, as well as reputational and financial returns	P	Corporate Governance rating in the DJSI	80	80	80
	TESG INVESTMENTS (COPT)			0.32	0.34	2.2
	ENERGY TRANSITION INVESTMENTS / TOTAL INVESTMENTS 39%					40%

1. Cumulative projection from 2018. 2. Water Neutrality = volume of fresh water withdrawn for industrial use + volume of discharges - volume of water compensated. 3. Million barrels of water per day. 4. Results as of 2022. 5. Cumulative target as of 2024.



Sent series

Thank your

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