BofA Securities 2023 Emerging Markets Debt and Equity Conference



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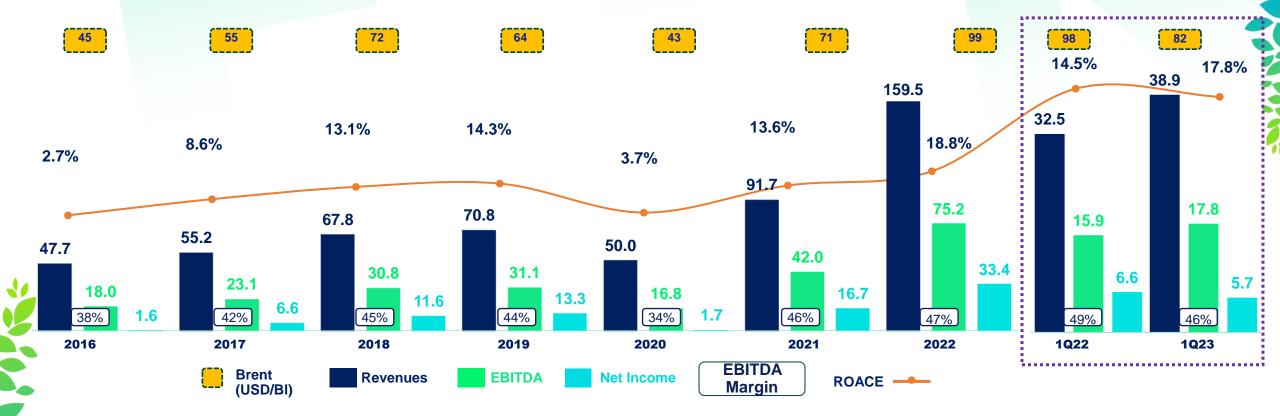
The information contained in this earnings report relating to operational information, financial information and/or statistical data pertaining to companies or institutions that might be considered peer group companies to Ecopetrol has been obtained from public sources available to the general public and is being used solely for informative and statistical purposes. We have not independently verified any such operational information, financial information and/or statistical data, although we believe such operational information, financial information and/or statistical data has been obtained from reliable sources. Ecopetrol S.A. is not liable and does not assume any responsibility for the accuracy, veracity or authenticity of any such operational information, financial information and/or statistical data.

Ecopetrol is today a diversified energy group Leader in LATAM



*Crude plant interconnection project

Record results, beyond the financials



RESULTS THAT EXCEED THE SET TARGETS



Governance and corporate responsibility



First Carbon Neutral Meeting with more than 2,000 people in Colombia

Board of Directors

- 77.7% independent (\forall) members
- ش 3 women, 2 more than the statutory minimum required

Approval of the Annual **Corporate Governance Report** and the Integrated Management Report

> Election of members of the Board of Directors for the remainder of the 2021-2025 period

Election and allocation of tax auditor fees for the remainder of the 2021-2025 period



Business lines defined to respond to • the challenges of the 2040 Strategy

ALLA ARE

Advances in the **TESG** driver

Main

Decisions

Results for Financial Year •

Board of Directors Ecopetrol S.A



Saúl Kattan Independent Since October 2022 **Chief Officer**



Independent

Since October 2022 🍄



Mónica De Greiff Non Independent 🌞 Since October 2022





Sandra Ospina Independent Since October 2022 Hydrocarbon Producing Departments

Juan José Echavarría Independent Since March 2023 🔅 **Minority Stockholders** Representative

Gonzalo Hernández Non Independent 🌞 Since October 2022



Claudia Gonzáles Independent Since March 2023 🎝

Luis Alberto Zuleta Independent Since March 2023

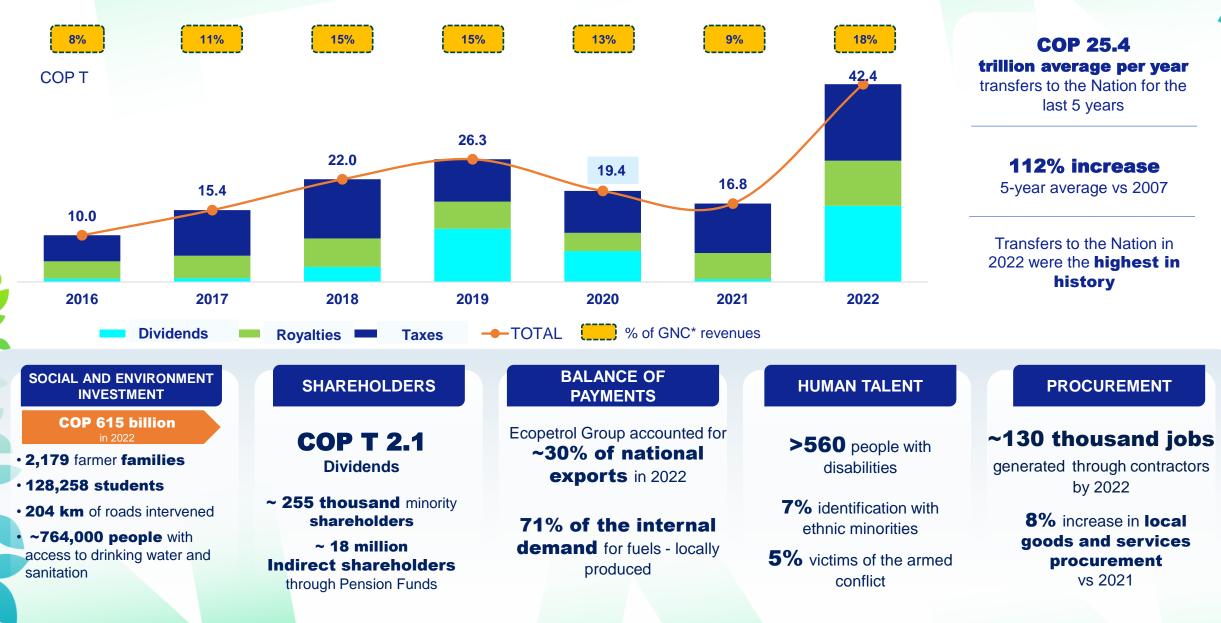


Esteban Piedrahíta Independent Since April 2019

Non independent members Members of Ecopetrol's Board of Directors in

previous periods

Ecopetrol's growing contribution to national development





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	
Probable		486	
Scenario 2P (Proven + Probable)		2	,497
Possible		369	
Scenario 3P (Proven + Probable + Possible)		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

resources MBOE

¹ Million barrels of oil equivalent *Decimals are rounded off to the nearest whole number

Exploration

Diversified exploratory portfolio focused on energy security



Discovered resources:

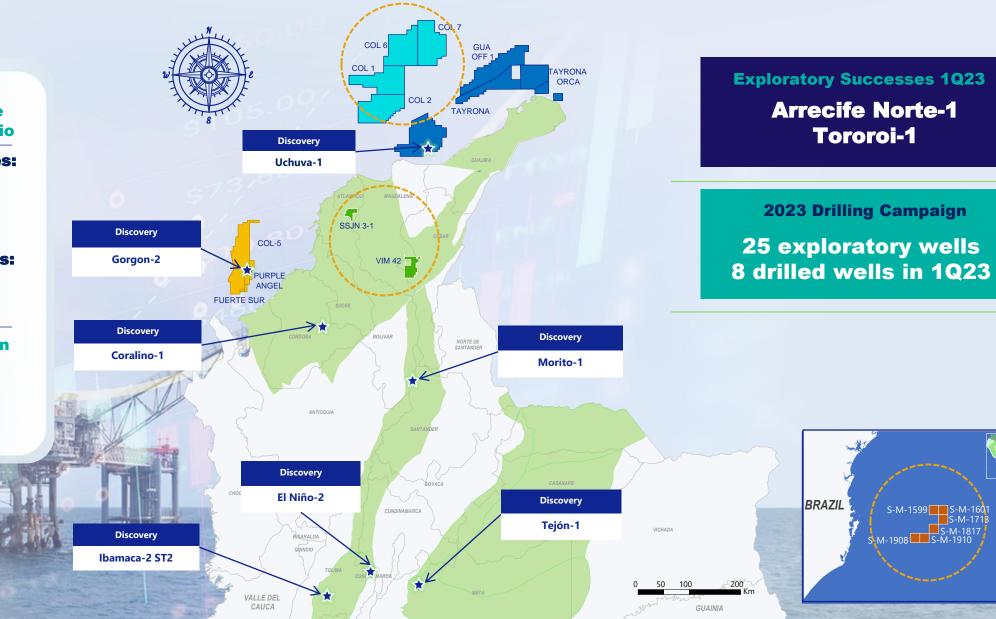
- Uchuva-1
- Tejón-1
- Coralino-1

Contingent resources:

- Gorgon-2
- Lorito

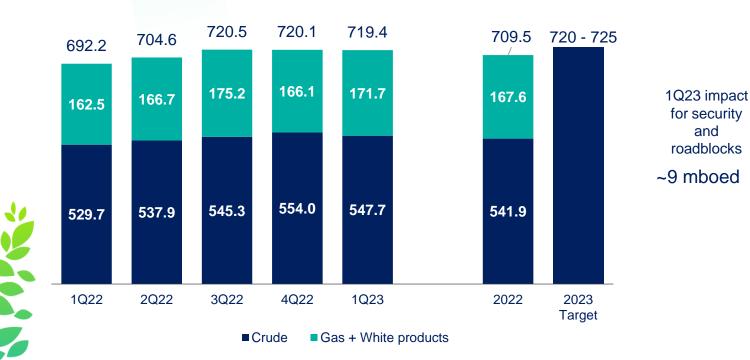
Prompt progression to commerciality

- Liria YW12
- Niño-2
- Ibamaca-1



Production

Outstanding production performance



Production (mboed)



ecepetrol

Contributing to TESG Strategy

28%

52%

and



Decarbonization



+167% vs 2022 target Upstream



Water Neutrality in Chichimene

Reuse of total produced water (2 MBWPD)

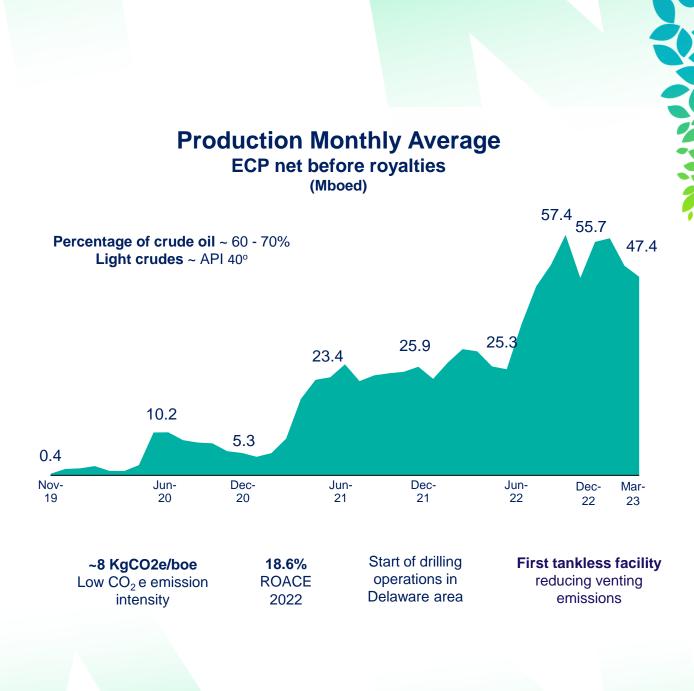
+20% vs 2021

Reduction of freshwater withdrawal vs 2021 (87.7 KBWPD)

Production

Permian: a success story

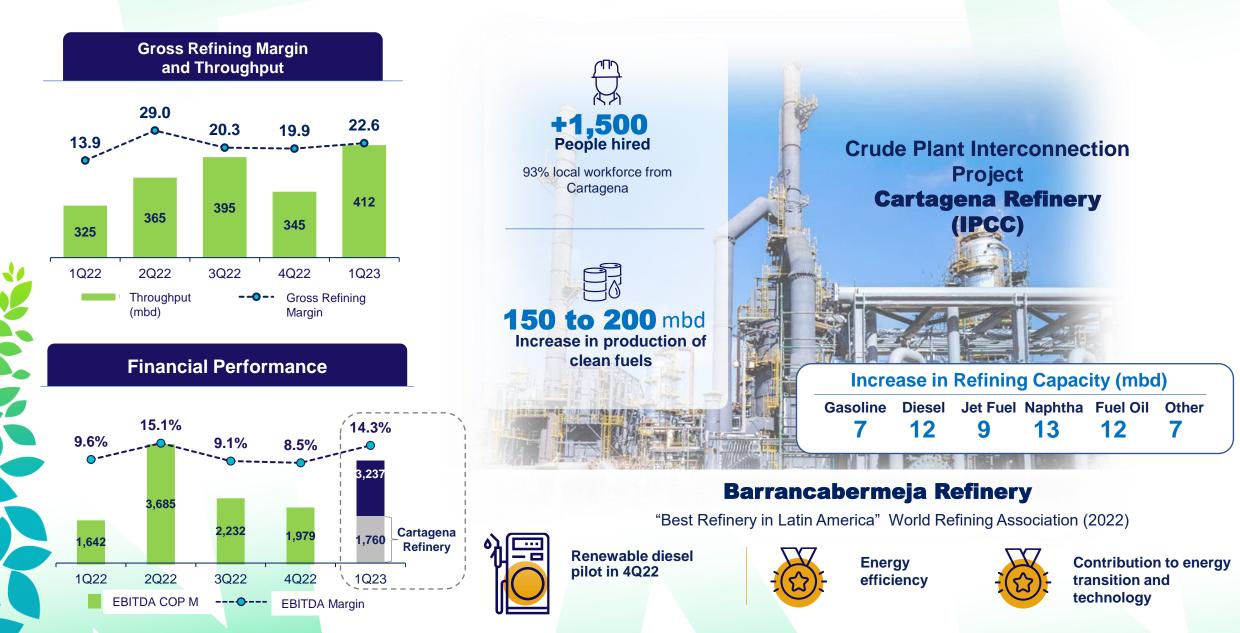
	2019	2022	
1P Reserves (Mboe)	164	207*	
Wells on Production	4	209	
Annual Average ECP's Production (Kboed net before royalties)	0.9	37.8	
Cumulative Production (Mboe net before royalties)	0.1	22.8	
EBITDA (MUSD)	1.4	644	
EBITDA MARGIN (%)	69.8	87%	
OPEX (US / boe)	4.5	3.8	
(*) YE 2022 Reserves			



Mboe: Million barrel of oil equivalent

Downstream

Outstanding Performance and TESG Standards



Transmission and Toll Roads

On the path to profitable growth

BUSINESS LINE CONTRIBUTION 1T23 (COP T)*

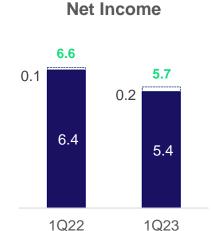
GE without Transmission and Toll Roads Transmission and Toll Roads Contribution **Total Ecopetrol Group**







15%



3.5%

OPERATING MILESTONES



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

(icontec

Carbono Neutro Certificado



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

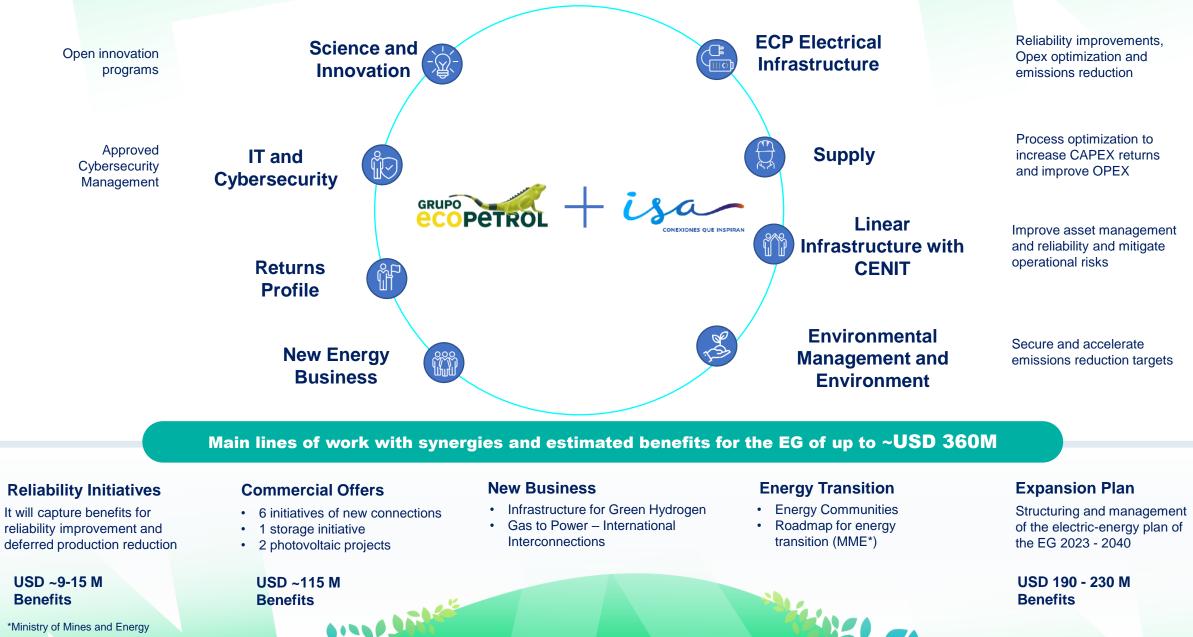


Termination of Ruta del Bosque road concession in Chile

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

Transmission and Toll Roads

Synergies that contribute to the growth of EG

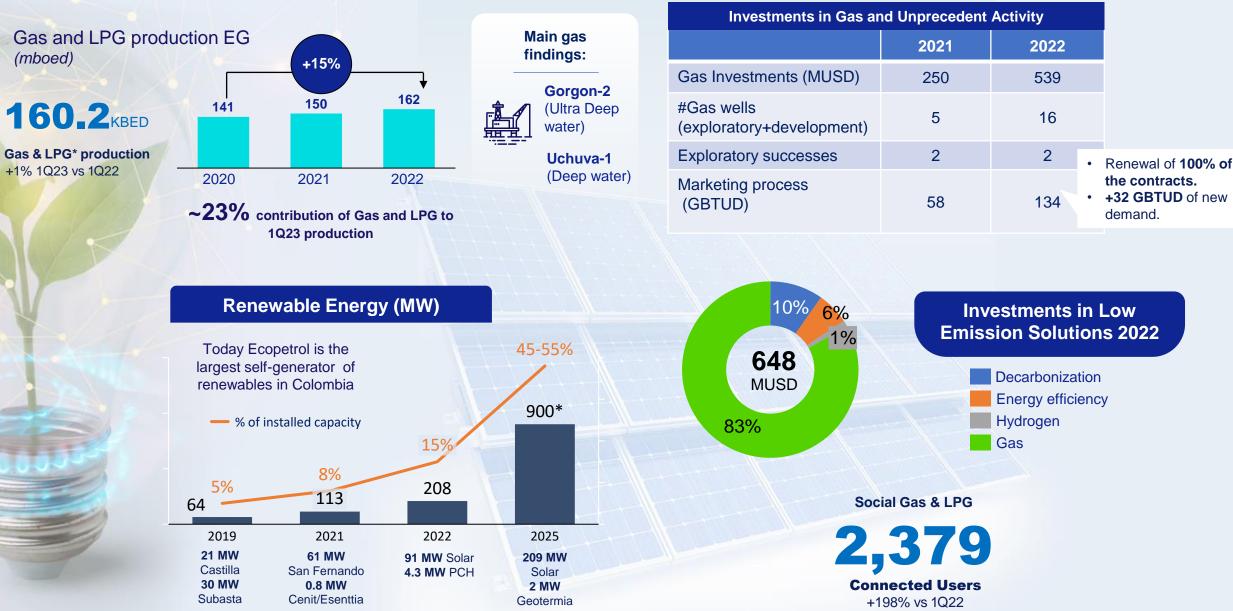




Low Emission Solutions

Profitable growth in low emissions

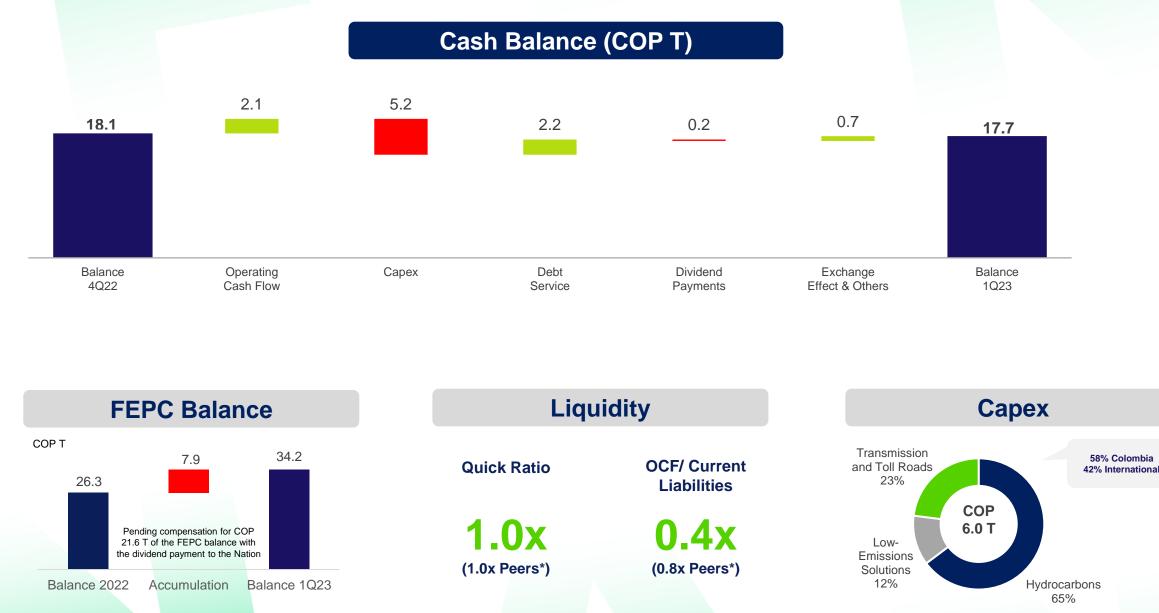




*In operation and construction.



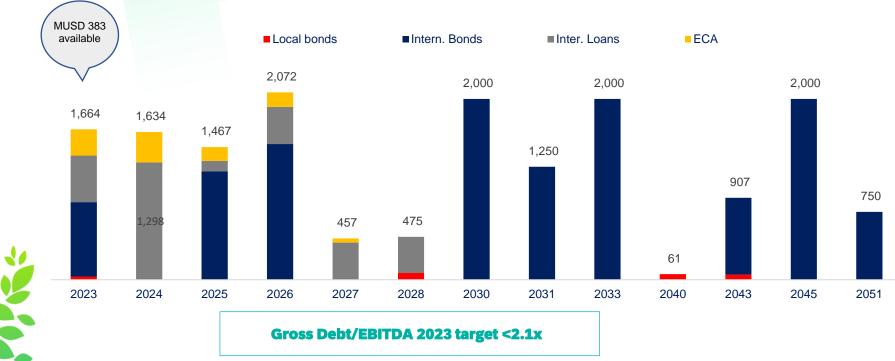
Strong financials aligned with investment grade*



Cash Balance includes: Cash and Cash Equivalents and Other Current and Non-Current Assets. * Moodys Rating: Investment Grade; S&P and Fitch Stand Alone: Investment Grade. ** Figures as of 1Q23. Peers: Shell, Chevron, Exxon, TotalEnergies, BP, PTTEP, Equinor, Repsol, Hess, Marathon y ConocoPhillips.

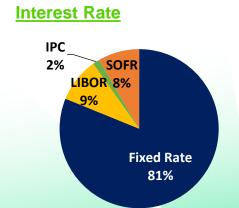
Debt Portfolio – Ecopetrol S.A.

Maturity profile by type of instrument - Ecopetrol S.A. (MUSD)



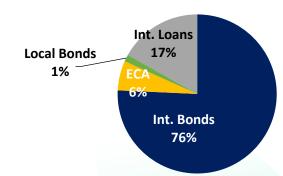


Debt composition - Ecopetrol S.A. (MUSD)





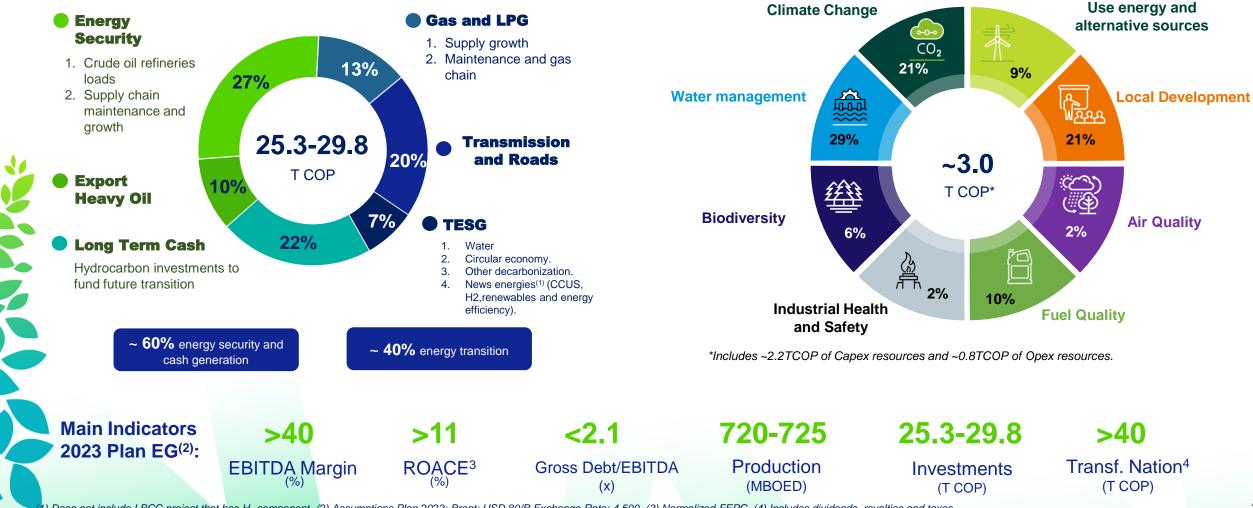
Instrument



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

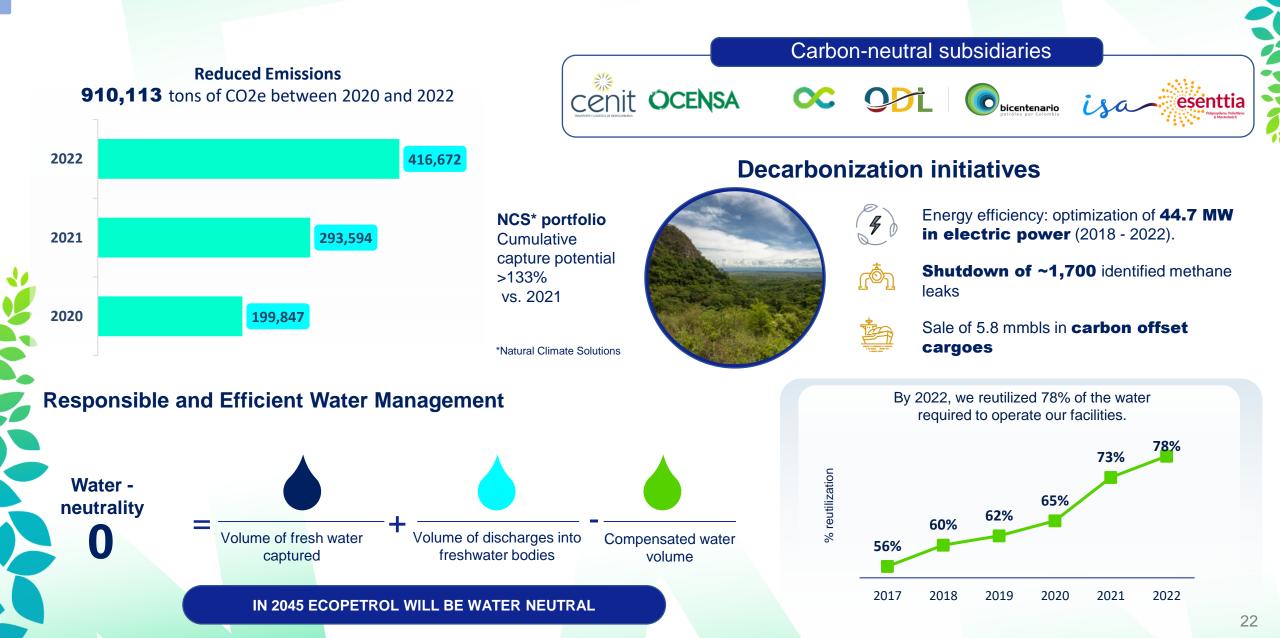
The Ecopetrol Group allocates resources from the 2023 Plan in its commitment to <u>TESG</u>



1) Does not include LBCC project that has H2 component, (2) Assumptions Plan 2023: Brent: USD 80/B Exchange Rate: 4,500. (3) Normalized FEPC. (4) Includes dividends, royalties and taxes.



Decisive action in the fight against climate change



In summary....

- Strong 2023 start, plan remains on track
- Progress towards the energy transition and in line with the pillars of the 2040 Strategy
- **Creating value** for our shareholders, employees and the communities with whom we work on a daily basis in our operation
- Many opportunities going forward, underpinned by strong corporate governance





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





23%

77%

25

27%

73%

30

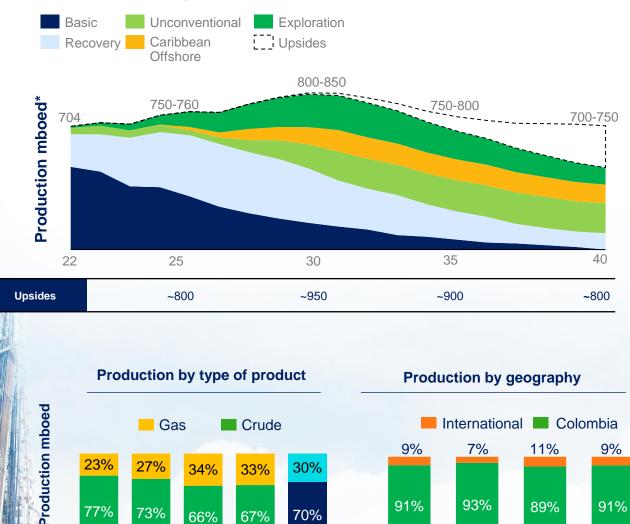
34%

66%

35

HIGHLY COMPETITIVE UPSTREAM BUSINESS

enables production growth and diversification



30%

70%

Intent

9%

91%

25

7%

93%

30

11%

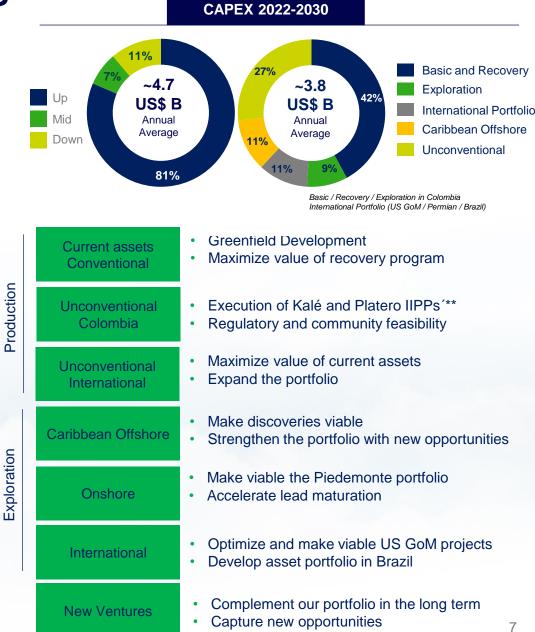
89%

35

9%

91%

40



*Assumptions: Brent 45 -55 USD\$/BI; High prices: 55-65 USD\$/BI ** IIPP: Comprehensive Research Pilot Project

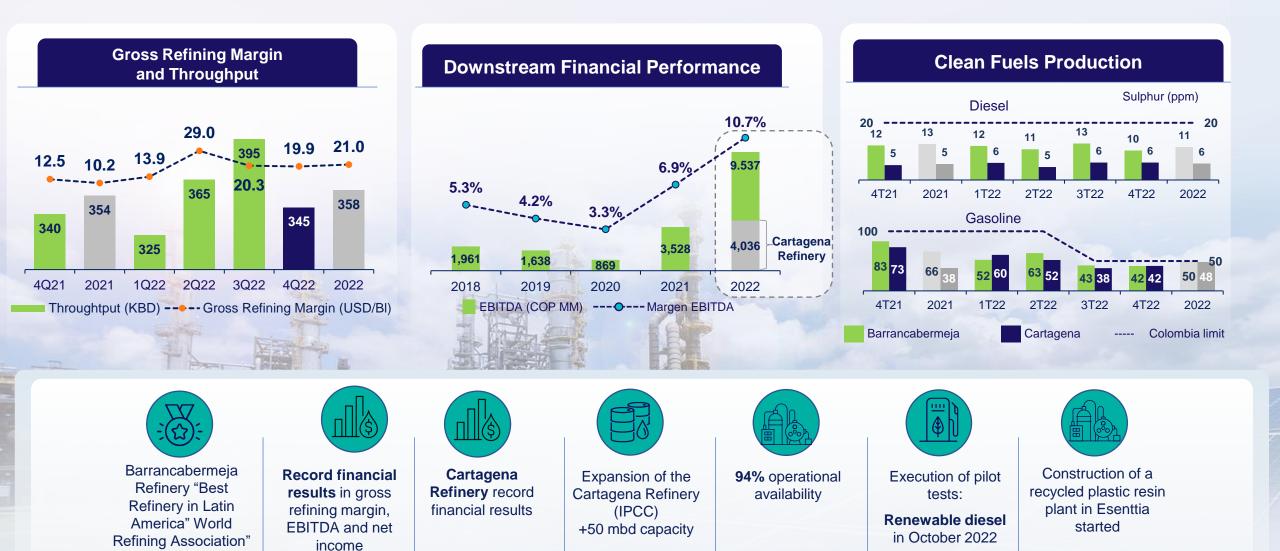
33%

67%

Downstream

(2022)

Record contribution from a growing downstream



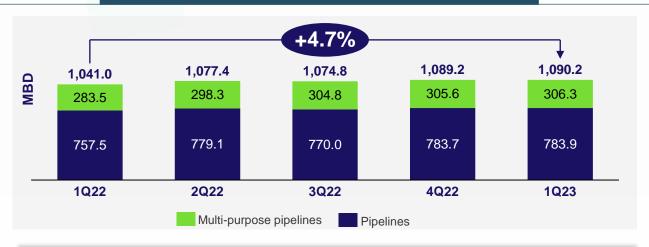
H2 green in 3Q22

Midstream

Logistical excellence addressing demand requirements







Third quarter with record evacuations in multi-purpose pipelines of **306 mbd**

Midstream Financial Results

EBITDA vs Transported Volume



Cabotage operation - support for fuel supply in the south of the country:



Cabotage from the **Buenaventura** Maritime Terminal to the **Tumaco** Maritime Terminal.

Partial blockage of the Panamerican Highway: Cenit enables **new routes to meet the demand for products.**

11 Vessels | 119 Diesel MBL | 180 Gasoline MBL

Yumbo storage tank

60 MBL increase in storage capacity in Yumbo "TK- 8000"



Outstanding results despite changes in market environment











 Net Income Breakeven

 37.8

 35.2

 1Q22
 4Q22
 1Q23









Ecopetrol evolution in TESG®

