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BEST RESULTS EVER



ECOPETROL CONTINUES TO DELIVER SUPERIOR RESULTS

METRICS

Organic Investment

Operating Cash Flow

EBITDA Margin

Gross Debt/EBITDA

Reserves replacement ratio

Production (mboed)

Exploratory wells

Transported volume (mbd)

Throughput (mbd)

Social and environmental Investment

Decarbonization

2021 TARGET

USD 3,500 - 4,000 M

~USD 3,500 - 5,000 M

35% - 38%

< 2.5x

100%

~680 - 690

~9

>1.000

~340 - 365

COP 1.5 T (by 2024)

USD 600 M (by 2023)

200%

13

Equal to or greater than target

2021 REAL

USD 3,243 M*

46%

USD 5,660 M

2.3x

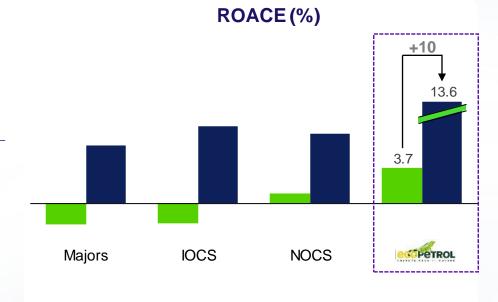
679

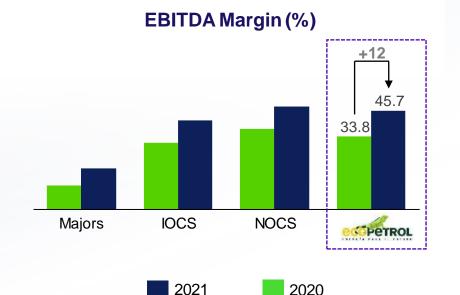
1,007

354

COP 469 M

USD 177 M





2040 CORPORATE STRATEGY

COMPETITIVE RETURNS

8%-10% Return on capital (ROACE)

< 2.5X Gross debt / EBITDA

13 - 20 TCOP

Annual transfer payments to the Nation *

CUTTING-EDGE KNOWLEDGE

20 - 30 BUS\$ (~76 - 114 TCOP)

Cumulative EBITDA by 2040 enabled by technology and innovation

70% of personnel in reskilling by 2030 (to face new challenges)

GROW WITH THE ENERGY TRANSITION

13,000 - 14,000 MUS\$ (~49 - 53 TCOP)

Annual EBITDA by 2040 **

30%-50%

Share of low-emission business in GE EBITDA

GENERATE VALUE THROUGH TESG

Zero CO2 emissions by 2050 (Scopes 1 and 2) -50% cutback of total emissions by 2050

Zero Water discharges by 2045

230,000 Non-O&G positions by 2040

THE 22-24 PLAN INCREASES FOCUS ON PROFITABLE GROWTH OF OUR CORE BUSINESS AND ON THE DIVERSIFICATION OF THE ECOPETROL GROUP

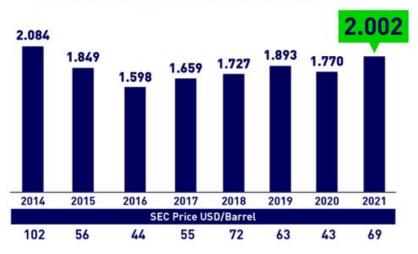
		2022	2022 - 2024
	Organic Investments (US\$ M)	4,800 - 5,800	17,000 - 20,000*
Grow with the Energy Transition	Production (mboed)	700 - 705	~730
	Throughput (mbd)	340 - 360	420 - 430
	Transported Volume (mbd)	~1,000	
	Organic Investments ISA (US\$M)	~1,100	~2,600
	TESG investment (US\$ M)	1,400	
Generate Value	GHG Reduction (from 2020)	1'600,000 tCO2	
Through TESG	Social investment	COP 1.5 B	
	Renewable energies	400 - 450 MW	
Cutting-edge Knowledge	Innovation and Technology (US\$ M)	80	>240
	ROACE	;	>8.5%
Competitive Returns \$	EBITDA Margin	>40%	
	Efficiencies (TCOP)	~4	by 2024



ECOPETROL'S GROWTH IS LEVERED

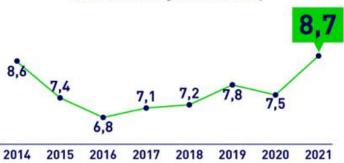
on our ever more resilient reserves

Proven reserves evolution (MBOE)



Average reserve life (years)

Remaining amount of reserves, expressed in time, assuming no new activity



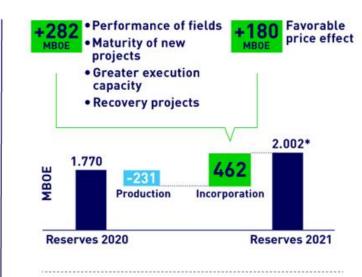
Reserve-Replacement Ratio

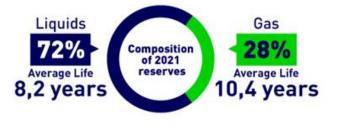
The ratio of barrels produced vs. barrels incorporated

The highest in 12 years



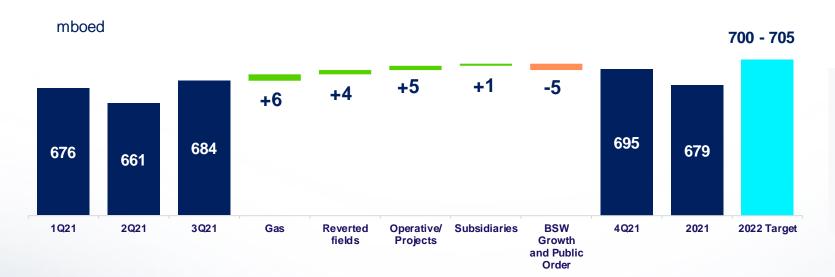
2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

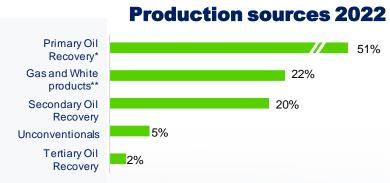




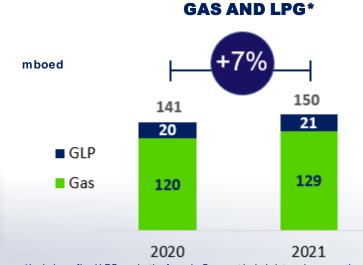


ON THE ROAD TO RECOVERY





* Includes basic curve ** Includes recovery. Permian not included as it adds up as unconventional. Including Permian, gas and white products is estimated at 23% over total GE production.



2022e
Domestic demand
recovery
~6% vs. 2021

21%

Contribution of Gas and LPG** to 2021 Production

- Supply strengthening with potential of ~84 GBTUD (9% of national demand 2021).
- · Start of exploratory campaign in Piedemonte.
- Social gas and LPG: 6,132 new connections in 2021
- Gas and LPG EBITDA growth (+21% vs 2020).

PROGRESS IN UNCONVENTIONAL RESERVOIRS

KALÉ **PLATERO** 2023 2023 Drilling Environmental license Environmental 15/Feb license 2022 2022 EIA Filing 29/Oct 8/Jul EIA Filing 1st Territorial Dialogue 2021 2021 11/Feb 11/Jun 1st Territorial Interests session Dialogue CEPI 24/Dec 2020 2020 **CFPI** Aw arded

PPII

PERMIAN (U.S.A.)

20 21	250 USD M	EBITDA GE	+22% Reserves growth since	132 Wells drilled
2 1	84%	EBITDA Margin	growth since the acquisition	
	A A K	nowledge ansfer	PERMIAN (Rodeo JV)	

25 secondees

19₃ mboed

2021 Average net
Production ECP

Operative Milestones	2020	2021
Spud to Rig Release	9.7 days	8.15 days
Average time per well	14.5 days	13.4 days
Pumping per day	1,420 ft/day	1,610 ft/day
New wells in production	22 wells	82 wells

PLAN 2022 CAPEX

~700 - 800 us\$ M

ECP net



PRODUCTION

32 – 34 mboed

before royalties

103 Wells to drill (rigrelease)

Rigorous environmental impact assessment

New state-of-the-art water recycling facility
7.7 mmbls capacity

ISA: A PROMISE DELIVERED

2021 RESULTS EXCEEDING EXPECTATIONS

REVENUES | COP **11.2 T** (+ 9.8% vs 2020)

EBITDA Margin 76%

EBITDA COP **7.1 T** (+ 8.4% vs 2020)

Dividends COP **749** per share (+17% vs 2020)

ROE 11.6%

CONTINUED GROWTH

INORGANIC SUCCESSES

- Awarded line Kimal-Lo Aguirre +1,400 km transmission
- Acquired 100% of PBTE* in Brazil
- First large-scale energy storage project awarded in Brazil



SUCCESSFUL INTEGRATION

Financial consolidation: September 2021 and 4Q21

People and Culture: Focus on management change

Corporate Governance:

- New Board of Directors
- Met XM's legal Compliance
- Interaction between Ecopetrol and ISA



UNLIMITED POTENTIAL

2030 CAPEX pipeline

(total opportunities identified)

36 USD B

Synergies:

- New energy transition related businesses
- ISA's entry to the US market
- Optimize procurement costs
- Ecopetrol's Electrical infrastructure
- Linear infrastructure with CENIT
- Science and innovation
- Environmental and communities' management

В



OUR INVESTMENT LEVELS INCREASE IN LINE ALONG WITH OUR GROWTH AND DIVERSIFICATION STRATEGY

Transition Agenda

US\$ M ~ 1,400



Decarbonization

Optimization of energy sources, wind and solar farms, geothermal energy,



Energy efficiency



Water management

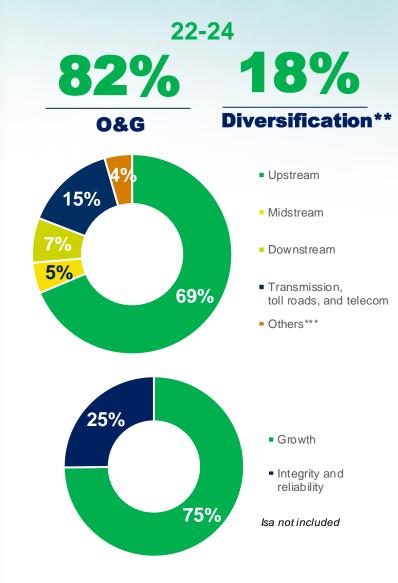


Quality of fuels



Hydrogen

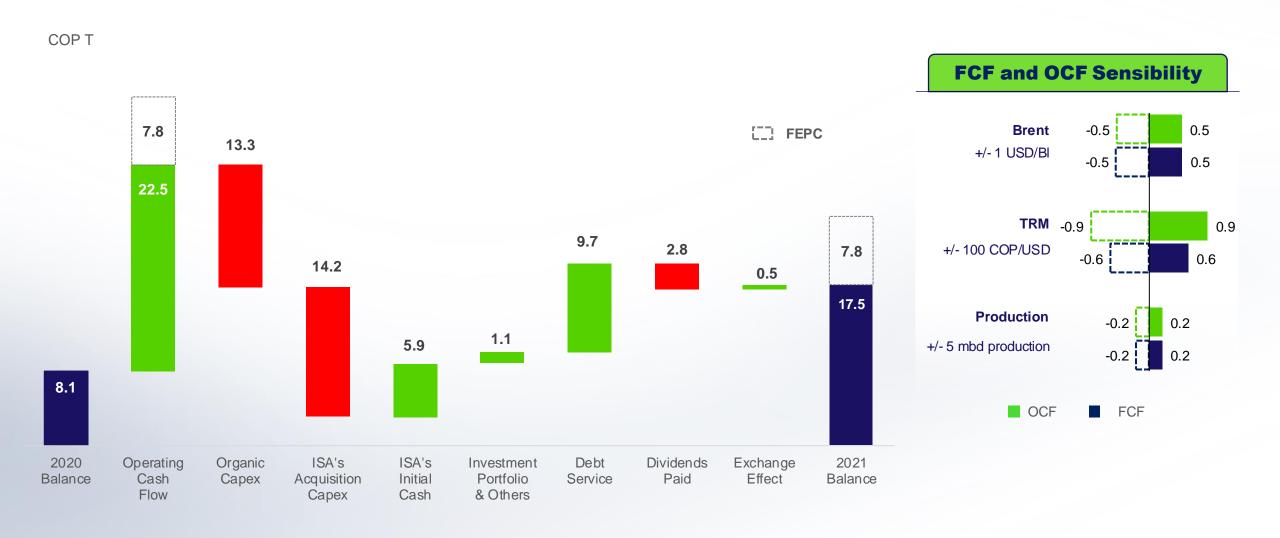




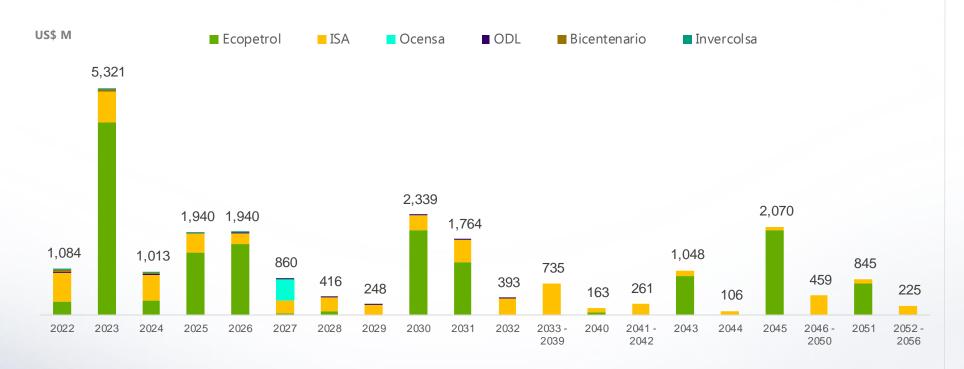
^{**}Transmission, toll roads, telecom, renewable energies, hydrogen

^{***}Corporate, commercialization

ROBUST CASH BALANCE



DEBT PROFILE



Group's Consolidated Debt – December 2021

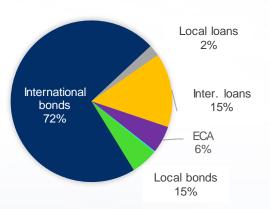
Company	Debt in US\$ M*	Debt in COP*	Total* US\$ M
Ecopetrol	15.180	267	15.447
Ocensa	500	-	500
Bicentenario	-	149	149
ODL	-	48	48
Invercolsa	-	84	84
ISA	3.078	3.942	7.020
Total	18.758	4.490	23.247

Average life 10 Y

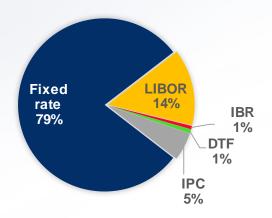
Average cost in COP 11.45%

Average cost in US\$
4.75%

Source



Interest Rate



**Nominal Value in US\$ M (FX 3.981,16)



ECOPETROL'S SOCIO-ECONOMIC IMPACT

~26 COPT 2021 Contribution



+16.7

COPT

Dividends, taxes and royalties

+32%
National exports (crude)

SHAREHOLDERS1

80.4

COP B Dividends²

~ 254 thousand
Direct shareholders

~ 18 Million

Indirect shareholders (Pension funds)

COMMUNITY

0.5

COPT

Social and environmental investment

+160

Municipalities benefited

~711,000

Colombians benefited

EMPLOYEES⁴

+5.3

COPT

Salaries, benefits and variable compensation

+18,000 Direct employees **SUPPLIERS**

3.1

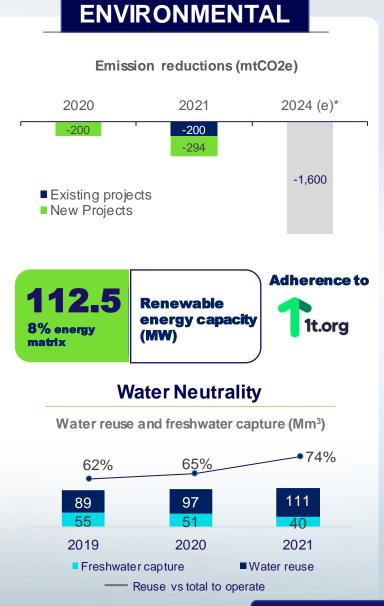
COPTLocal contracting

+3,000
Local contractors

+55,000 Dedicated employees¹

Dividends proposal 2021: Payout 69%³

MOVING FORWARD IN OUR TESG COMMITMENT





CORPORATE GOVERNANCE

Adherence to the program



Rating increased from 66 to 68



Transparency and disclosure





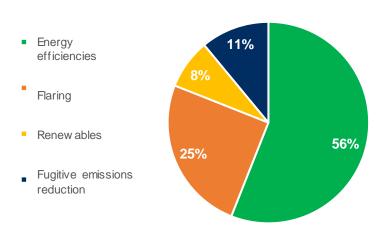
**CDP

High standards of corporate governance and independence of BoD

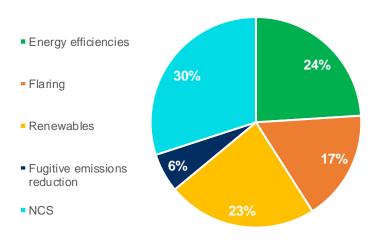
- Succession policy and competencies matrix for BoD and CEO of Ecopetrol
- BoD status including diversity and gender criteria
- Company acknowledged by ALAS20

ADVANCING IN OUR DECARBONIZATION GOALS

DISTRIBUTION BY TYPE OF INITIATIVE 2025



DISTRIBUTION BY TYPE OF INITIATIVE 2030





Abatement Curve



Prioritized initiatives

- Solar and windpower
- Fugitive emissions, flaring and venting
- Energy efficiency
 - Syngas from Biomass

- Heat recovery form combustion gases
- Green Hydrogen in Cartagena Refinery
- CCUS Barranca Refinery capture Industrial Service & EOR Venting
 - CCUS Crude and gas fields at a low/mid distance from EOR
- CCUS Cartagena refinery Industrial Service capture & and EOR Venting
- Solar and wind power with storage
- CCUS Crude fields at a long distance from EOR

By 2030 Ecopetrol can reduce its emissions with competitive solutions below \$40/t CO₂e (shadow price).

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SUMMARY...

- We delivered record financial results in 2021
- Profitable growth underpinned by TESG
- Progress in diversifying through the new energy transmission and toll roads business (ISA)
- Competitive returns
 - ✓ Dividend proposal 2021 COP \$280 per share (16x vs 2020)
 - ✓ Efficiencies of COP 3 T
 - ✓ EBITDA margin 46%
 - ✓ Socio-economic contributions for ~COP 26 T
- 2022 2024 Business Plan
 - ✓ Profitable production growth
 - ✓ Investments of ~USD 4,800 5,800 M/year
 - ✓ TESG investments of ~USD 1,400 M
 - ✓ Social investments for COP 1.5 T*
 - ✓ ROACE > 8.5% (at plan prices)
 - ✓ EBITDA Margin > 40%

