



Ecopetrol
Energy that
transforms

Ecopetrol is now a leader and diversified energy group in Latam



3 BUSINESS SEGMENTS

OIL & GAS

Contribution to EBITDA

82% 2022 >> **60%** 2040

#1 in Colombia

+700 kboed
5-year avg. production



2,002 mboe
1P reserves 2021

+1 mbd
Transported volume in 2021



+9,000 km
Pipelines

+354 kbd
Refinery throughput in 2021



+50 kbd
Additional capacity in Cartagena 2H-2022

ENERGY TRANSITION

Contribution to EBITDA

14% 2040

#1 self-generator with renewables in Colombia



113 MW
Renewables supply capacity



+15K ha
15 Ecoreserves network in Colombia



1st green H, pilot
in Colombia

TRANSMISSION, TOLL ROADS AND TELECOM

Contribution to EBITDA

17% 2022 >> **26%** 2040

#1 Energy transmission company in Latam



+48,000 km
Transmission lines



860 km
Toll roads in operation



1st Energy storage
at industrial scale in Brazil

Colombia is a top economic performer in LATAM

4% GDP growth expectations vs. peers (1.9%)¹

CPI and Central Bank Rates forecast **in line** with peers' trend

12 -15% O&G Contribution to Nation's income²

Leading the Path to Sustainability in Latin America³

- Local green bond market
- Green taxonomy
- Commitment to reduce
- Clean transport growth

51% of GHG by 2030 aligned with the Paris Agreement



734 (MW) Renewable energy installed capacity as of 2021



Ecopetrol's socio-economic impact

20% Highest Dividend Yield Ever⁴

17.1% 1H ROACE⁵ at record-high levels

+32% National exports (crude)

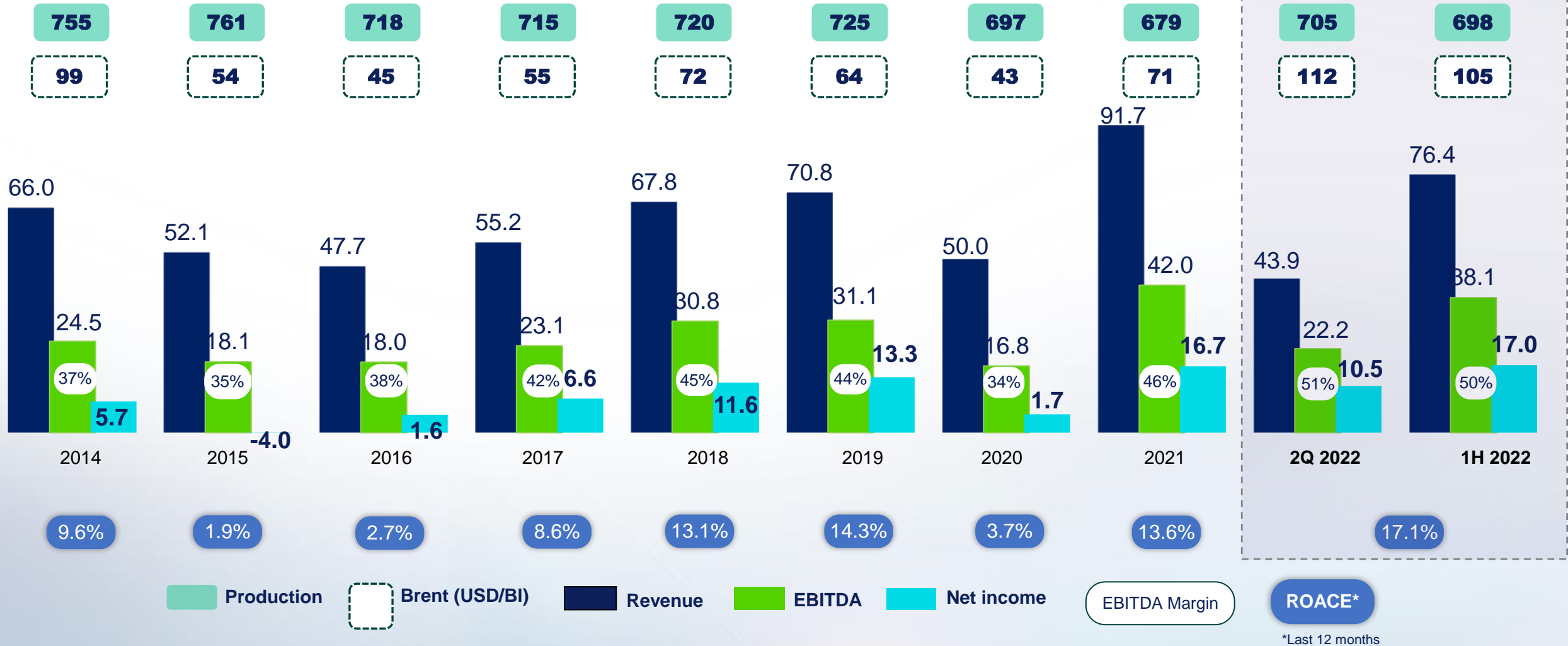
~163 COP B Social and environmental investment as of 1H22

~26 COP T 2021 Contribution to the Nation

1. Next 3 years forecast average. Peers: Brazil, Chile, Peru and Mexico. Source: Bloomberg, Sept 12, 2022
 2. Source: Ministry of Mines and Energy
 3. Source: The World Bank

4. Based on the COP stock closing price as of Jun 30, 2022
 5. Return on average capital employed

Best quarter and semester in Ecopetrol's history



Exceeding in just 6 months the net income of 2021 full year



Strategic milestones

COMPETITIVE RETURNS

- **Highest historic dividend COP 448 per share**
- FEPC Payment agreement as of 1Q22
- ROACE: 17.1%
- Gross debt/EBITDA: 1.6 x

CUTTING-EDGE KNOWLEDGE

- **Benefits of \$63 MUSD** in 1Q22
- **First industrial 5G pilot** reported savings exceeding 1 MUSD in Barrancabermeja
- **+ 5,000 employees** instructed in cutting-edge knowledge and **15 scholarships** granted for studying abroad

GROWTH WITH TRANSITION

- **Success in exploration** Uchuva-1 and Gorgon-2 wells
- **Historic results** in Downstream
- Production recovery and greater investment execution
- **Expansion** in Permian operations in the Delaware sub-basin (Texas, EE.UU)
- **ISA was awarded** one of the largest transmission projects in Brazil (1,139 km)
- **Micro LNG Pilot** 50%-60% Buenaventura Demand

GENERATE VALUE THROUGH TESH

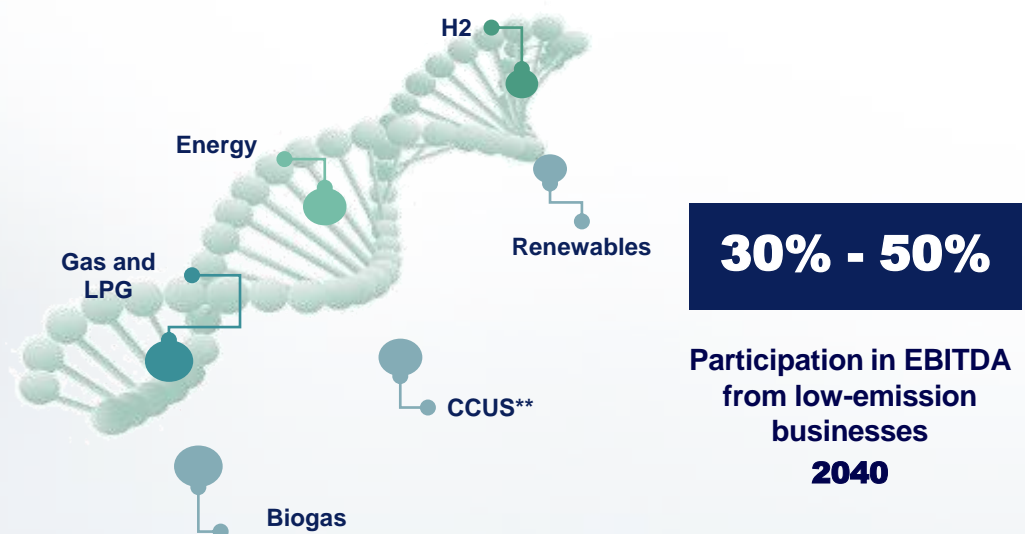
- **6 partnerships for hydrogen development:**



- Progress in green hydrogen projects in both refineries
- **Agreement** for green hydrogen mobility test
- **Low-emissions Solutions Vice Presidency**
- **77% water reuse** (2Q22)



Strengthening key components of our DNA



30% - 50%

Participation in EBITDA from low-emission businesses
2040

Renewables
400 MW
Installed Capacity 2023

Gas and LPG
30%
Participation on GE production 2030 - 2035

Energy efficiency
10%
Electrical energy Optimization 2040

Hydrogen Initial Targets for 2040



+14%
vs 2QT21
Production Gas and LPG*
2Q2022



254 MUSD
(+34% vs 2Q21)
Gas and LPG EBITDA 2Q22

57%
(+3% vs 2Q21)
EBITDA Margin 2Q22

Gas and LPG supply

Micro LNG Pilot

Gas
83 GBTUD
From December 2022



LPG
129 GBTUD
From December 2023



+4.8 kton/mes
2H22

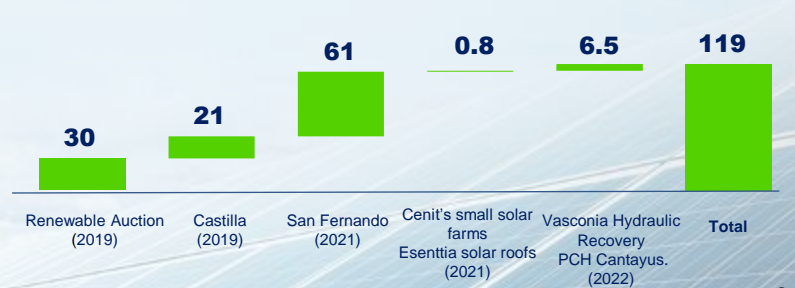
Test Phase
50% - 60% Buenaventura Demand
2H22

Low-emission hydrogen



Completion phase 1 H2 plant projects in Refineries

Renewable energy MW 4Q 2019 - 2Q 2022



*LPG includes production from the Downstream segment.
**Carbon capture, utilisation and storage

Q&A

