

# A South American view on energy transition

Felipe Bayón  
CEO Ecopetrol

February, 2021

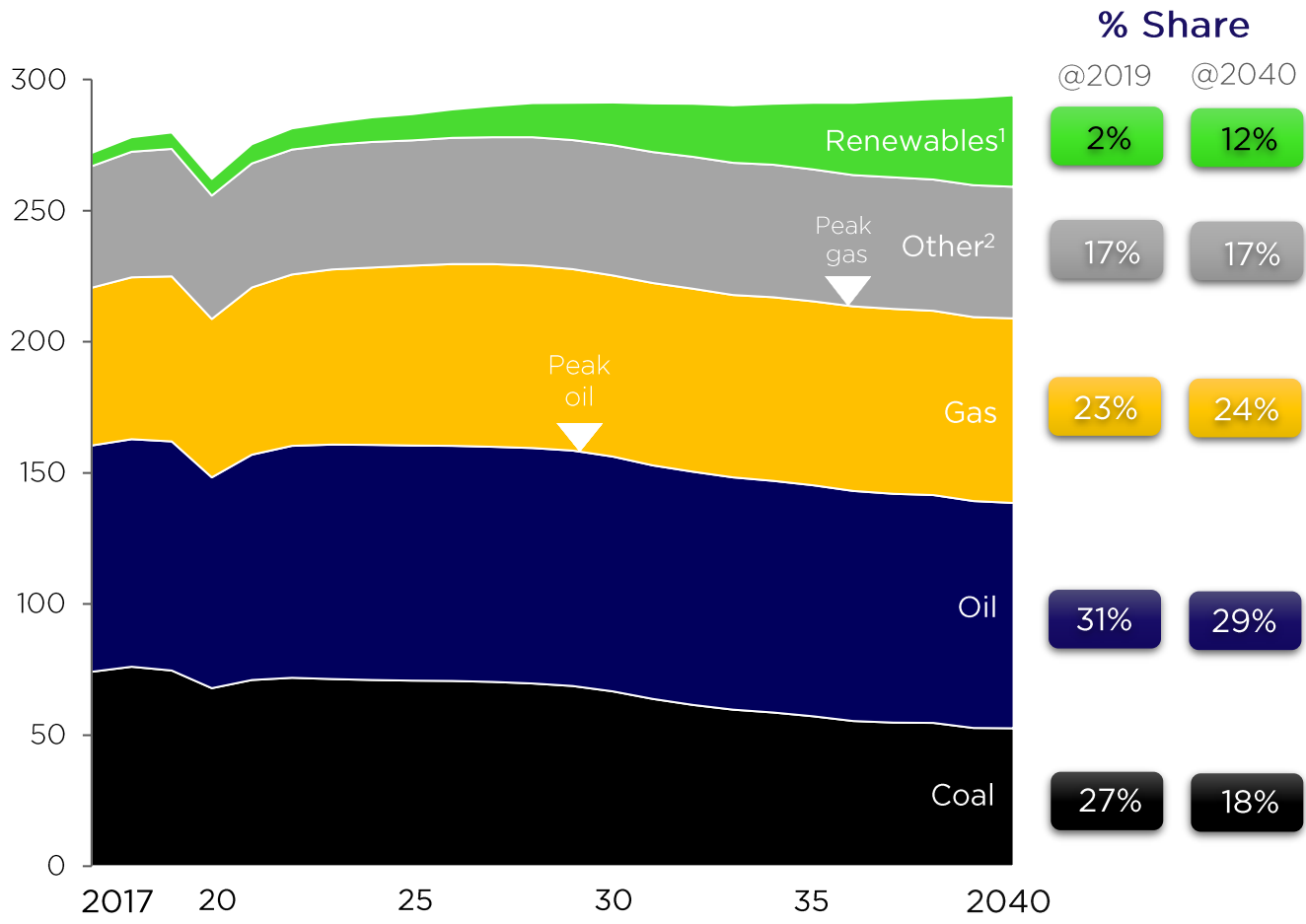


# Energy transition has accelerated



## Global primary energy demand (post-COVID)

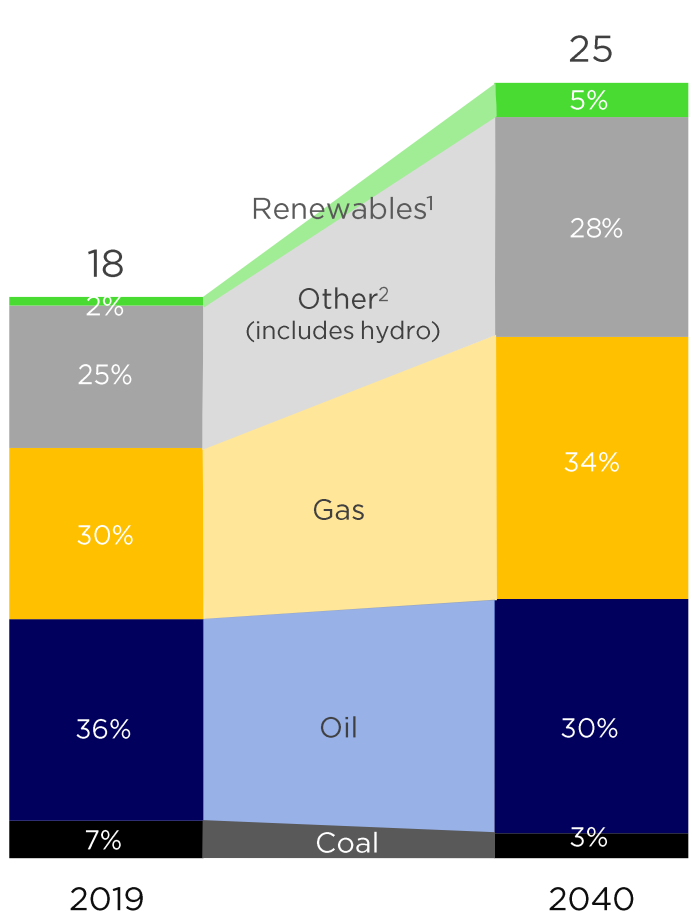
MMb/d<sup>3</sup>



Source: Ecopetrol, based on McKinsey Energy Insights Global Energy Perspective - October 2020

## Latam & Caribbean total energy supply

MMb/d



Source: Latin American Energy Organization, 2020

1. Includes onshore wind, offshore wind and solar 2. Includes biomass, hydropower and nuclear. 3. Conversion factor used is - 1 mmTJ = s 0.467MMb/d

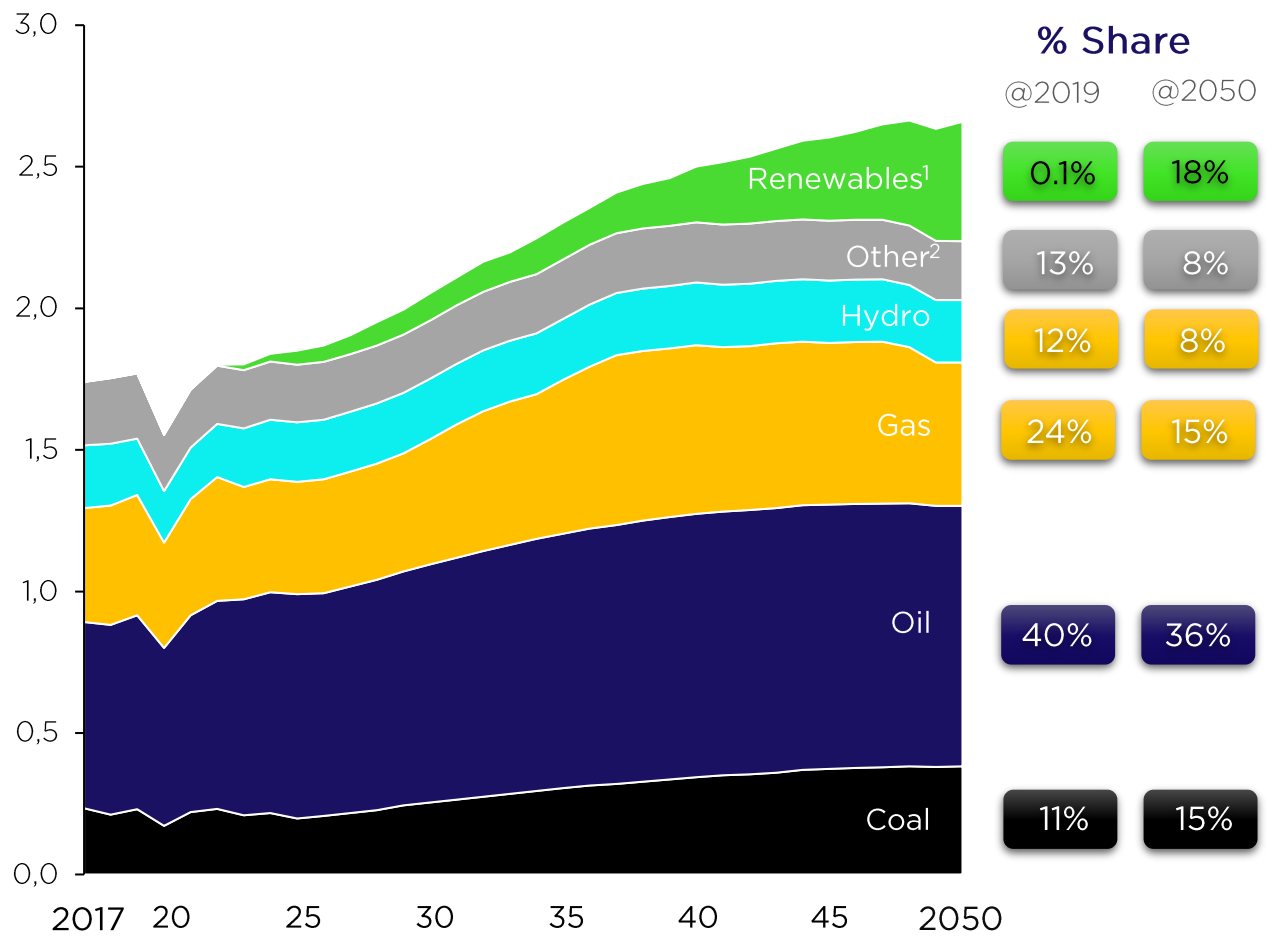


# Colombia is to increase its decarbonization efforts



## Colombia primary energy demand (post-COVID)

MM TJ

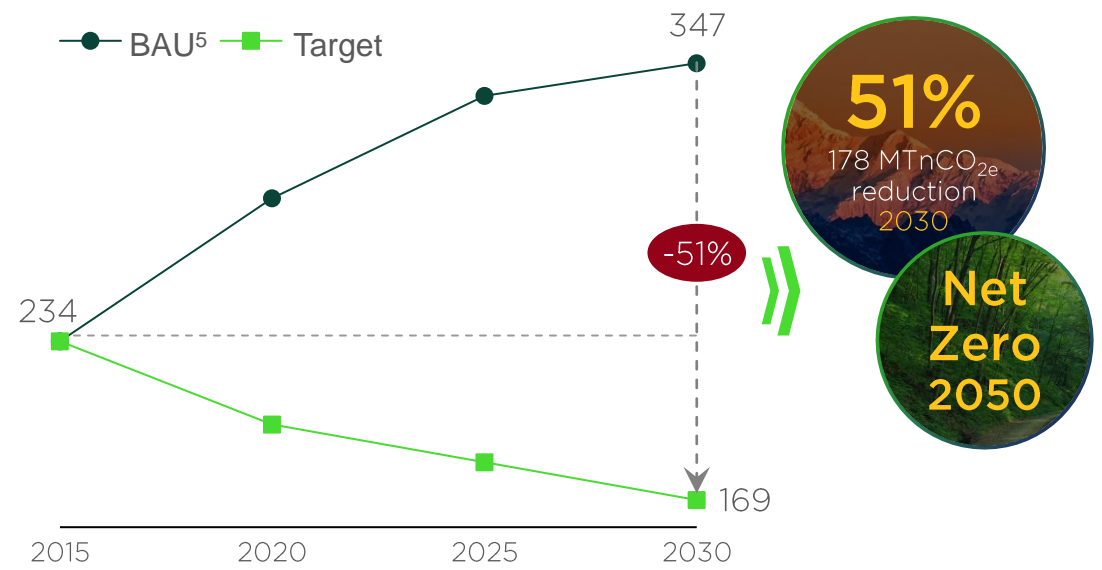


Source: Ecopetrol, based on McKinsey Energy Insights Global Energy Perspective - October 2020

1. Includes onshore wind, offshore wind and solar 2. Includes biomass, 3. Conversion factor used is - 1 mmTJ =s 0.467MMb/d

## Colombia targets 51% GHG<sup>4</sup> emissions reduction by 2030

### GHG emissions, 2015-2030 (MTnCO<sub>2e</sub>)



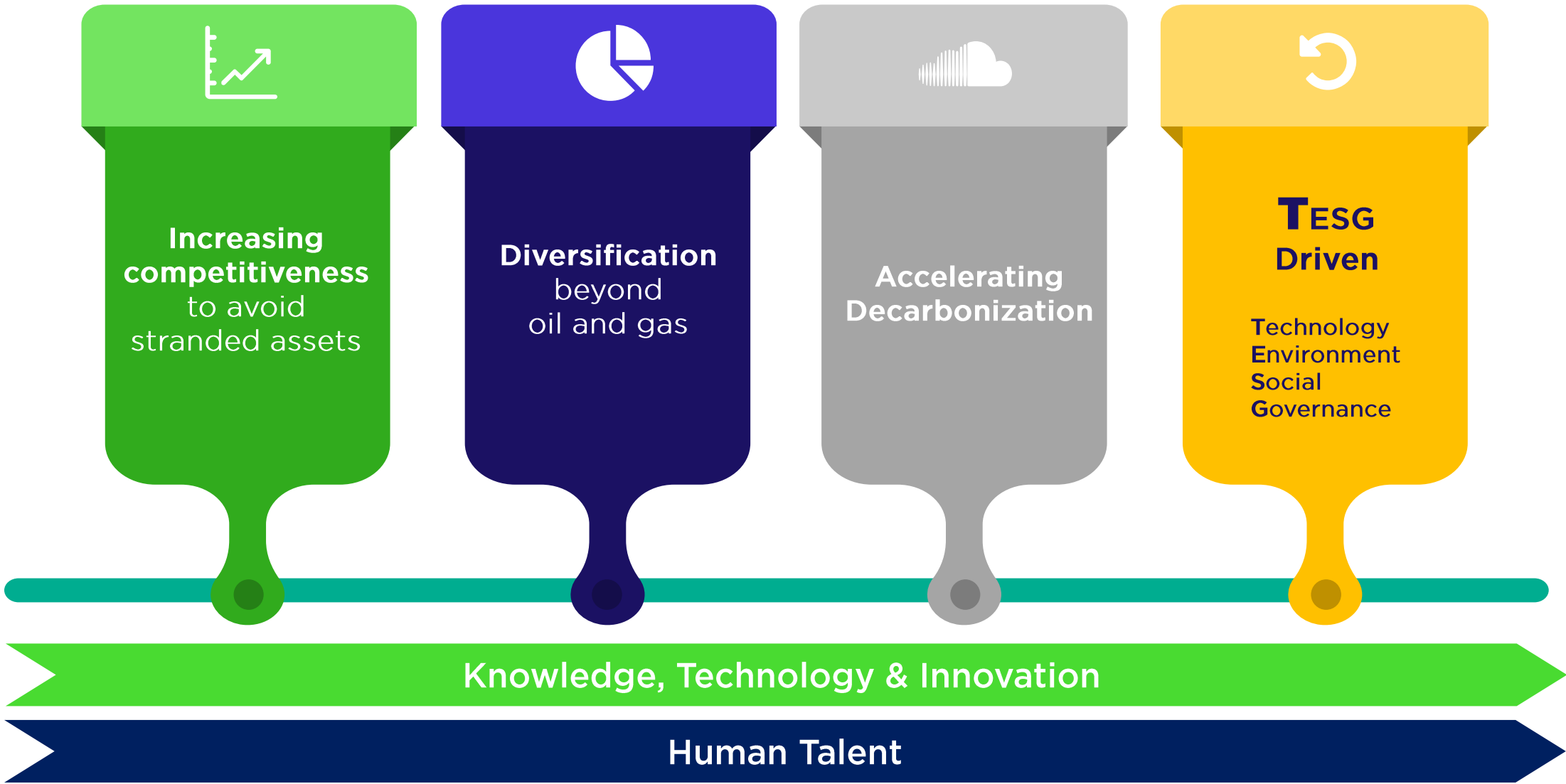
Most of the efforts will be focused on reducing emissions generated by **deforestation and changes in use of soil**

Source: Colombia's National Determined Contribution, Nov 2020

4. Greenhouse gases 5. Business as usual

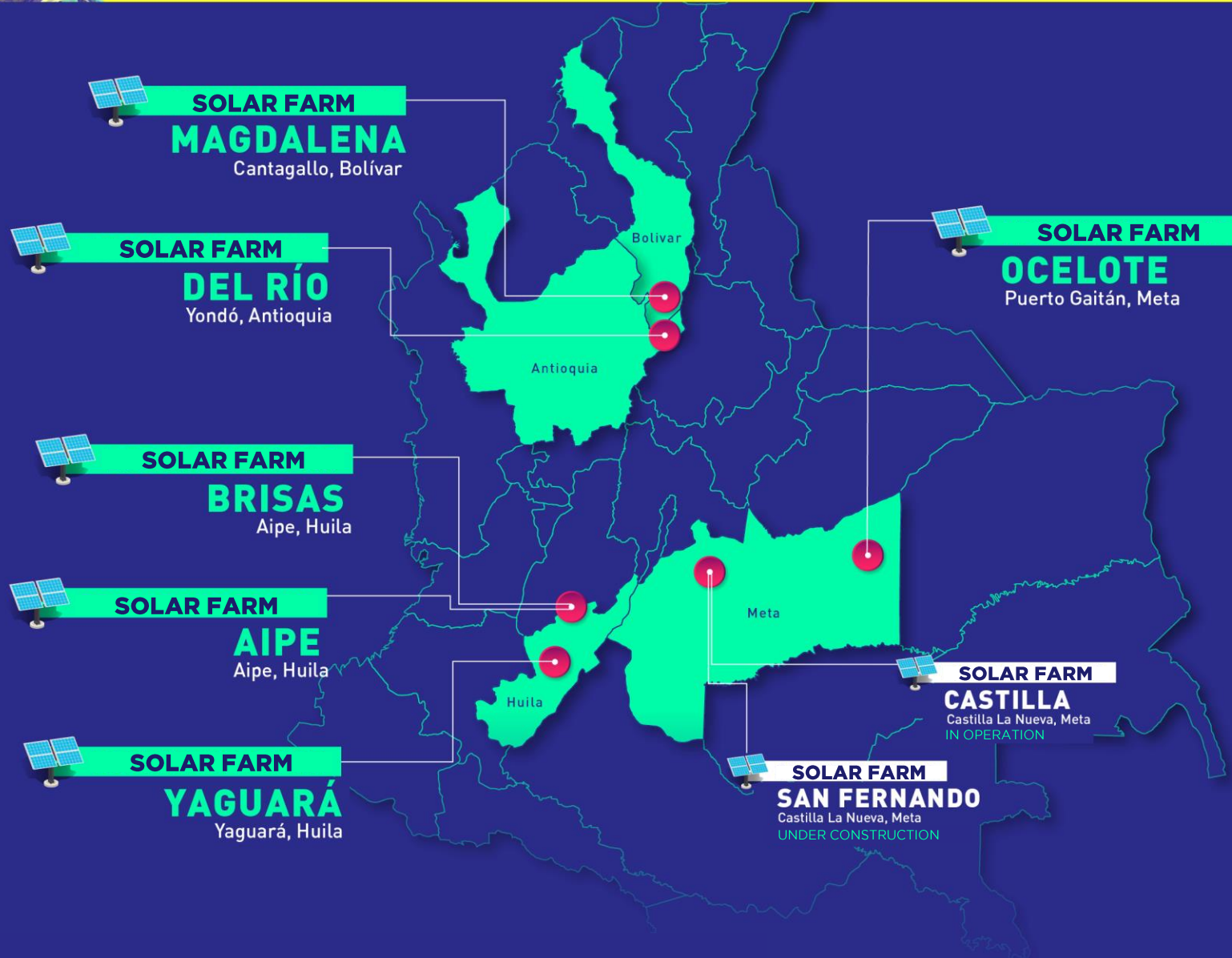


# Ecopetrol's pillars to face energy transition






# ECOPETROL CONTINUES TO INCREASE ITS RENEWABLES PORTFOLIO WITH 6 ADDITIONAL SOLAR FARMS



 **+155 MW**  
renewable energy supply

 Emissions to avoid  
**+1 MILLION**  
tons CO<sub>2</sub>e

equivalent to plant  
**7.7 million trees**

**1200** JOB OPPORTUNITIES  
for communities in areas of influence



ECOPETROL ADVANCES IN ITS  
**TRANSFORMATION** TOWARDS  
A MORE **SUSTAINABLE** FUTURE  
TO BE COLOMBIA'S **ENERGY** COMPANY



# DE TODOS, PARA TODOS

**ecopETROL**