



the 47th
IPACONVEX
CONVENTION
& EXHIBITION
25-27 JULY 2023

LEVERAGING THE OPPORTUNITIES OF THE INDONESIAN OIL AND GAS INDUSTRY

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Chairman IAGI



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Indonesian Petroleum Association

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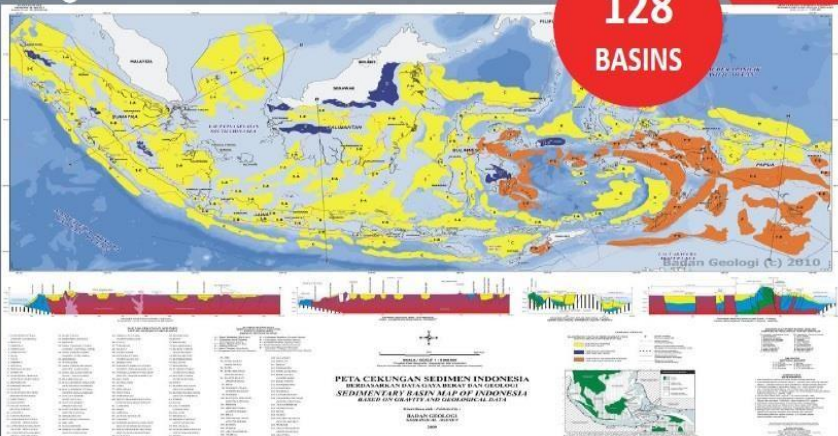
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Current Indonesian Condition



Indonesia O&G Fact

128
BASINS



3.2 BBO and
52.5 TCF Reserves

206 Working Area
90 Production WA
116 Exploration WA

± 1000 O&G Fields
± 30.000 Wells

126 Proven Play
832 Field/Structure, and

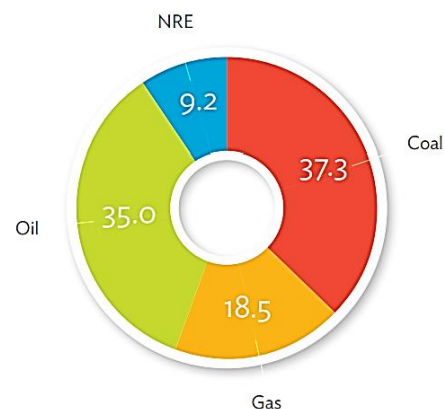
113 BBOE Discovered Vol. Inplace

19 Producing Basins

and 109 Basins are *waiting to be explored*

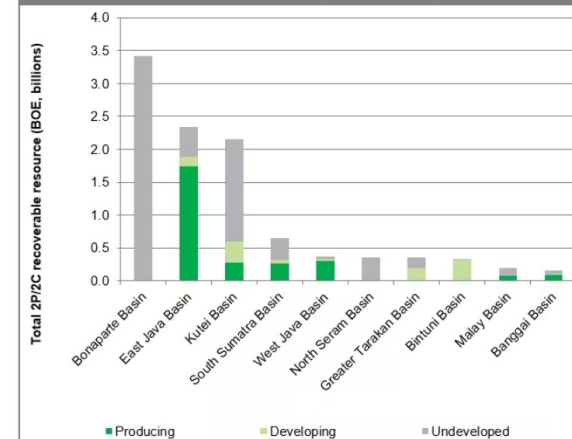
841 Triliun Total Asset Hulu Migas (Tanah, HBM, HBI dan MP)

Current Indonesian Primary Energy Supply



Stranded Discovery

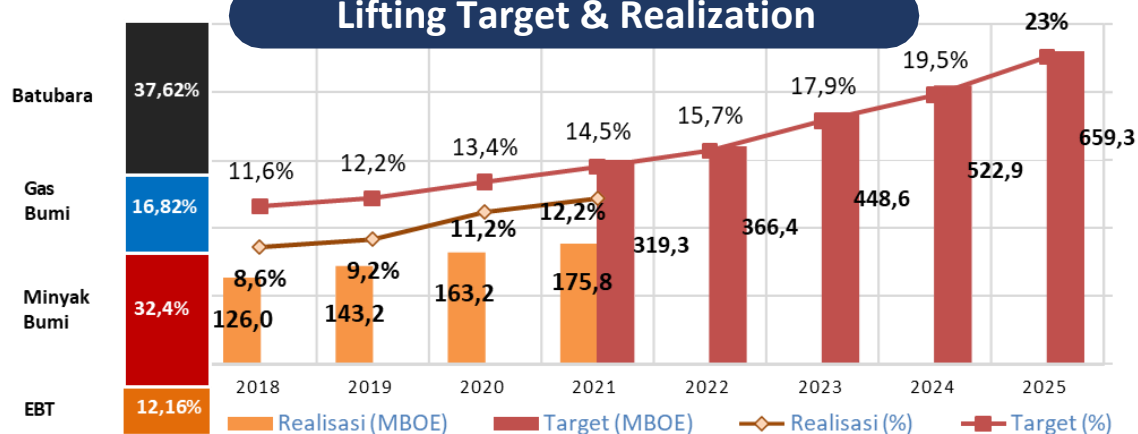
Total discovered recoverable resource - 2000 to 2015 - By current status



Source: Data taken from IHS Markit upstream E&P content (EDIN) © 2019 IHS Markit

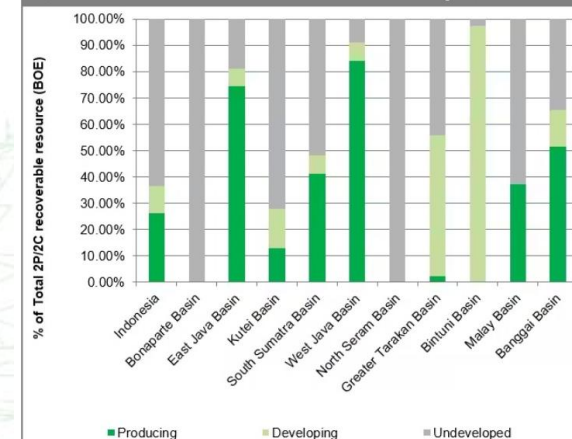
Source: DEN Report 2019

Lifting Target & Realization



- Need Giant Discover
- Only 25% of resources in Indonesia from 2000 to 2015 have been brought onstream Compare with Malaysia, between 2020 and 2022, consultancy Rystad Energy estimates show that more hydrocarbon volumes were discovered in Malaysia than in the rest of Southeast Asia combined (Alexander Kolupaev, 2023)

Total discovered recoverable resource 2000 to 2015 - By current status



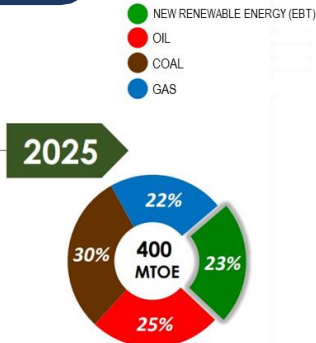
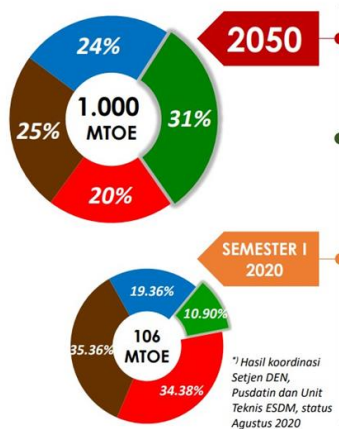
Source: Data taken from IHS Markit upstream E&P content (EDIN) © 2019 IHS Markit

Road to Net Zero Emissions

National and Global Energy Needs

BASED ON GOVERNMENT REGULATION
(PP) NO 79/2014: National Energy Policy

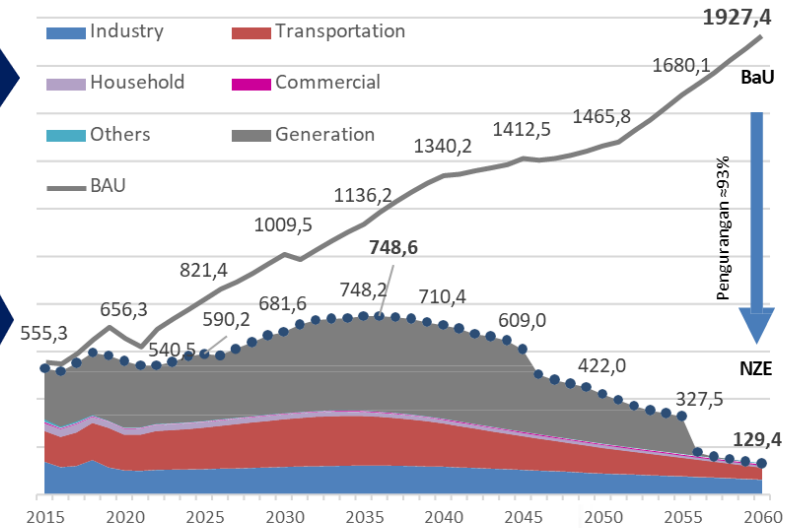
KEN	2025	2050
ENERGY MIX	23%	31%
PRIMARY ENERGY SUPPLY	> 400 MTOE	> 1.000 MTOE
POWER PLANT CAPACITY	> 115 GW	> 430 GW
ENERGY ELASTICITY	< 1	< 1
ELECTRICITY CONSUMPTION / CAPITA / YEAR	2.500 kWh	7.000 kWh
ELECTRIFICATION RATIO	~100%	~100%
PRIMARY ENERGY UTILIZATION	1,4 TOE/kapita	3,2 TOE/kapita



 COP26 and G20 results 2021: Global commitment to keep global temperature rise below 2°C and strive to limit it to 1.5°C –

 Sustainable Development Goals is a very important global commitment to become an inclusive and sustainable guide, framework and common agenda

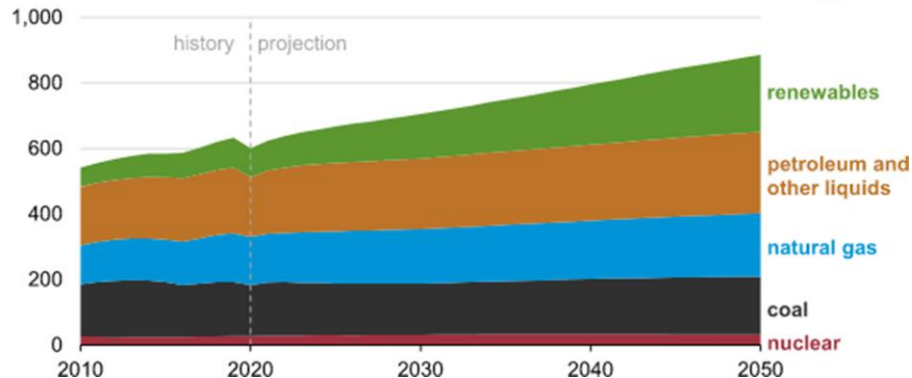
NZE Target 2060 or Faster



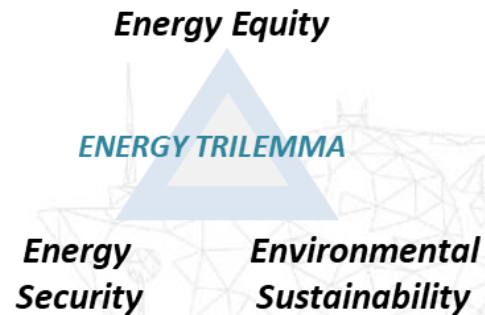
- The emission peak will occur around 2036 of 748.6 million tons of CO₂-e. Emissions reduce significantly starting in 2045.
- In 2060, emissions at power plants will be zero while there are still 129 million tons of CO₂-e emissions from the demand side.

Source: Model from NZ KESDM Team

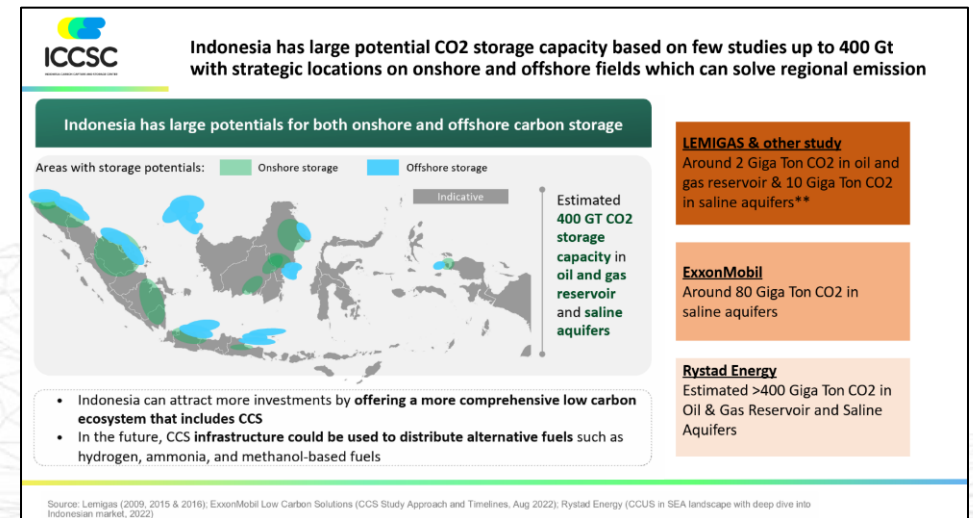
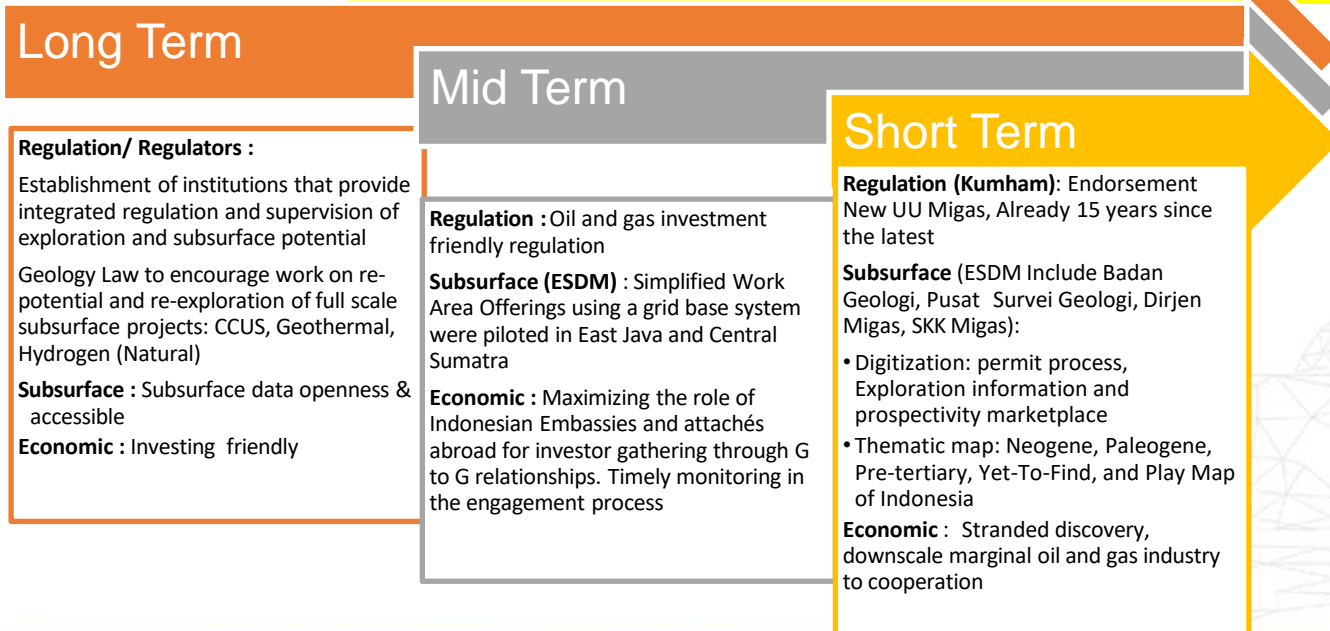
Global primary energy consumption by energy source (2010–2050)
quadrillion British thermal units



Source: U.S. Energy Information Administration, International Energy Outlook 2021 Reference case
Note: Petroleum and other liquids includes biofuels



INPUT IAGI for Oil and Gas Industry: to Government, Commission 7 DPR, and DEN





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