

BRUNEI'S ENERGY TRANSITION

April 2025

PREPARED BY:
DEPARTMENT OF ENERGY AT THE PRIME MINISTER'S OFFICE

ENERGY SECTOR REALISING WAWASAN 2035

A Dynamic and Sustainable Economic



Energy Sector Contribution
to National GDP

Educated, Highly Skilled and Accomplished People



Energy Sector Contribution
to National Workforce

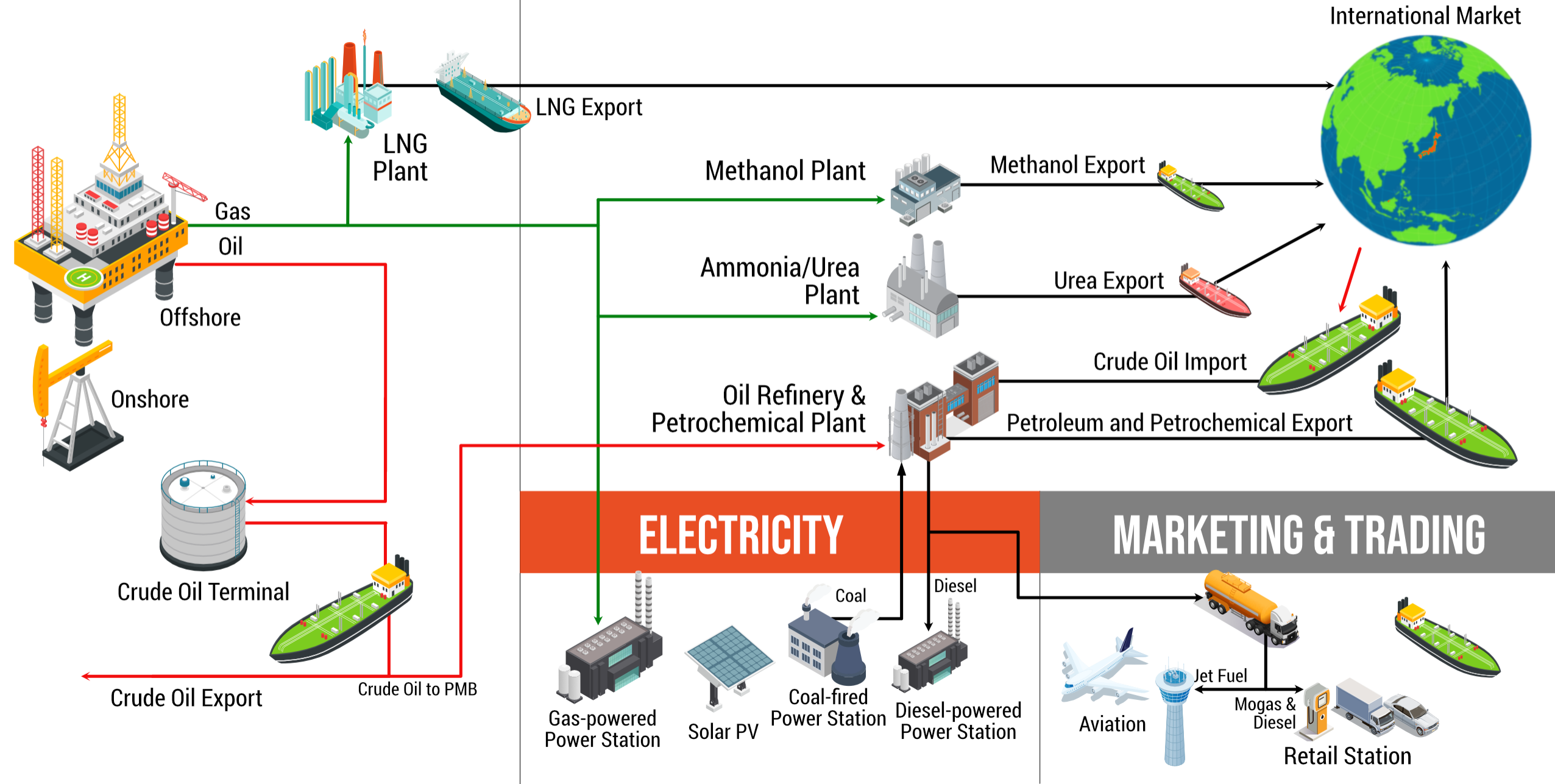
High Quality of Life



Population with
Access to Electricity
from National Grid

UPSTREAM

DOWNSTREAM



BRUNEI DARUSSALAM: ENERGY TRANSITION JOURNEY

Brunei National Climate Change Policy (BNCCP) was Introduced in July 2020



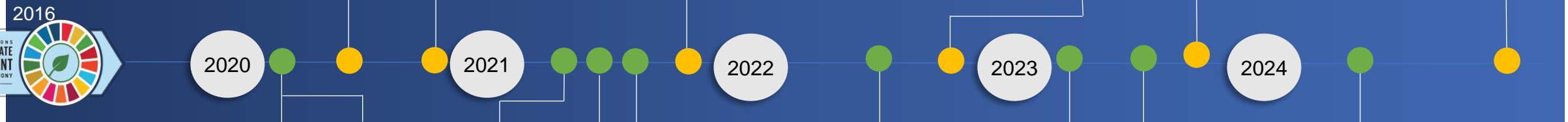
Submitted 1st NDC
Aim to reduce GHG emissions by 20% by 2030.



- Expressed intention towards **Net Zero by 2050**.
- Glasgow Leaders Declaration on Forest and Land Use.
- Endorsed Global Coal-to-Clean Power Transition Statement. Commit to **accelerate deployment of renewable energy and phase out the use coal by 2050**.



- Pledged **double energy savings efforts by 2030**.
- Pledged **triple renewable energy capacity by 2030**.
- Endorsed **Global Cooling Pledge**.
- Brunei Darussalam, Malaysia & Singapore signed Declaration on Hydrogen and Derivatives.



World's first international supply of hydrogen from Brunei to Japan (under AHEAD hydrogen supply chain demo project)

Launched net-metering programme



Launched EV pilot project



Theme: Energy transition towards a sustainable future



Adopted 2021 BSB Joint Declaration of the 39th AMEM on Energy Security & Energy Transition



BSP unveiled System Value Analysis (SVA)

Enforcement of Energy Efficiency (Standards & Labelling) Act



Theme: A just energy transition towards a green & sustainable development in Southeast Asia



Introduced UK- Brunei Green Economy Framework (BGEF)

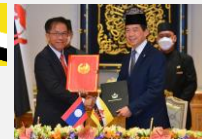
24th August 2022



MoU on Cooperation in Energy & Green Economy

Areas : (i) energy & the green economy; (ii) emerging low-carbon technologies; (iii)CCS; and (iv) carbon markets.

25th October 2022



MoU on Energy Cooperation

Areas: Renewable and alternative energy development.

19th April 2023



MoU to Develop and Promote Collaborate in Energy Cooperation

Areas: Sustainable energy, renewables, energy efficiency and conservation, EV and other new low carbon technologies.

15th December 2023



MoC on the Realization of Energy Transition

Areas: Supporting the formulation of a roadmap under Asia Energy Transition Initiative (AETI).

14th February 2024



MoC on Experience Exchange On Government Development & Modernisation

Areas included: Potential investment in climate change and renewable energy strategies.

29th April 2024



MoC between Brunei Investment Agency (BIA) & Thailand's Government Pension Fund (GPF)

Area included: Potential investment in renewable energy.

Climate

- Net-Zero by 2050.
- 20% reduction of GHG emissions by 2030.
- Double energy savings efforts and tripple renewable capacity by 2030.
- Collective effort to achieve a substantial 68% reduction in cooling-related emisissions globally relative to 2022 by the year 2050 (under the Global Cooling Pledge).
- No new coal power plant.

Renewable Energy (BNCCP Strategy No.4)

- 200 MW by 2025
- Increase total share of renewable energy to at least 30% of total capacity in the power generation mix by 2035.

Energy Efficiency & Conservation (BNCCP Startegy No.5 on Power Management)

- Electricity Generation Efficiency (EGE) of 48%
- Electricity Consumption Reduction (ECR) of 2% annually for all sectors (Residential, Commercial, Industry and Government).
- Reduce GHG emissions by at least 10% from power generation by 2035 (from BAU)



National targets & aspirations

BRUNEI COMMITMENTS

ACCESSIBILITY



SUSTAINABLE DEVELOPMENT GOAL #7 AFFORDABLE AND CLEAN ENERGY

Ensure access to affordable, reliable, sustainable, modern energy for all.

99.9% ELECTRIFICATION RATE



Global progress on energy efficiency by doubling rate of improvement globally by 2030.

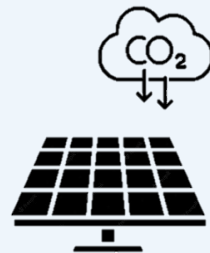


Solar PV projects to support population in remote areas off-grid, ensuring they have access to electricity.

SUSTAINABILITY



ECONOMIC BLUEPRINT, ASPIRATION
#4 SUSTAINABLE ENVIRONMENT
“conserve our status as the Green Gem in the Heart of Borneo and reduce our carbon footprint”



DECARBONISATION THROUGH ENERGY TRANSITION

- Increase Renewable Energy Installed Capacity
- Reduce Greenhouse Gas Emissions

ENERGY SECURITY



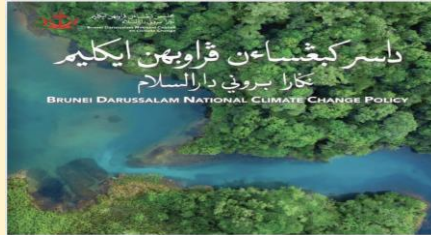
BNCCP STRATEGY 4
RENEWABLE ENERGY
30% of total installed capacity mix by 2035

DOEPMO TARGET
200MW installed capacity of renewable energy by 2025

INCREASE DIVERSIFICATION



BRUNEI SOLAR DEVELOPMENT PLAN



RENEWABLE ENERGY TARGET BRUNEI DARUSSALAM

BNCCP STRATEGY 4 RENEWABLE ENERGY
At least 30% of total installed capacity mix by 2035

SURIA 200MW



Department of Energy's
target of 200MW installed
capacity of renewable
energy by 2025.



LARGE-SCALE SOLAR

FOCUSED
STRATEGY

Public-Private Partnership



SMALL- TO MEDIUM-SCALE SOLAR

Rooftop Solar

Net-metering Programme

Expanding utilisation of Clean Electricity Technology

- Increase Renewable Energy (RE) installed capacity i.e. Solar PV. (200MW by 2025)
- Decommission diesel power plant and OCGT (open cycle), replace with CCGT (combined cycle)
- Power import (hydro)



Thank you