



جاپتن تناك
DEPARTMENT OF ENERGY
PRIME MINISTER'S OFFICE | BRUNEI DARUSSALAM

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**

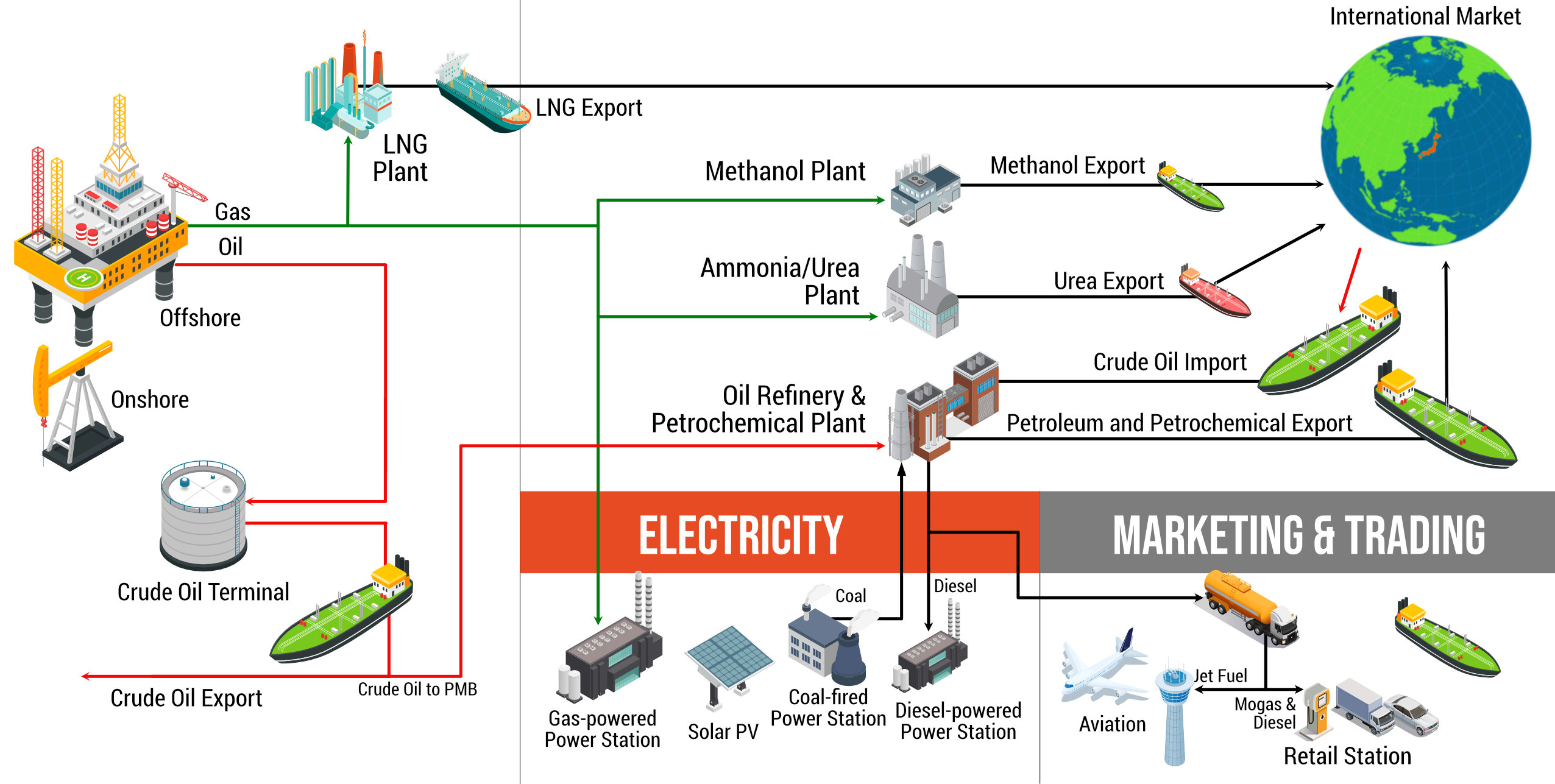
High Quality of Life



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



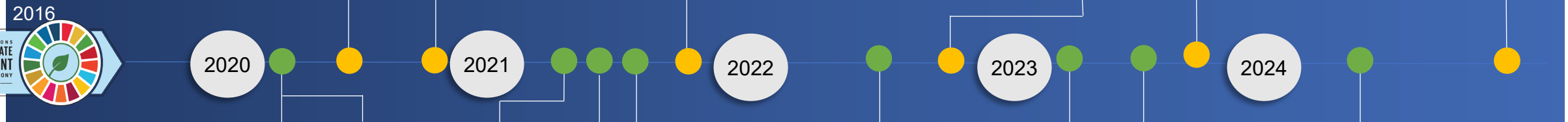
Submitted 1st NDC
Aim to reduce GHG emissions by 20% by 2030.



- 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)

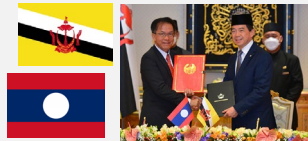
24th August 2022



MoU on Cooperation in Energy & Green Economy

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

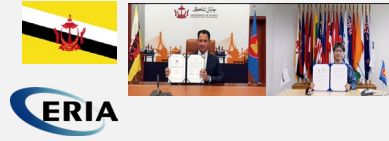
25th October 2022



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).

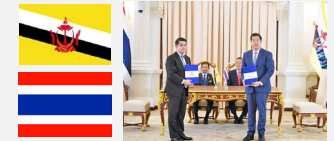
14th February 2024



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)



MoUs/ MoCs related to energy transition



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.

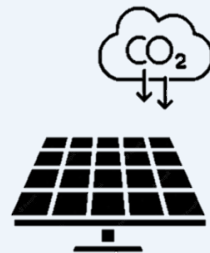


Solar PV projects to support population in remote areas off-grid, ensuring they have access to electricity.

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



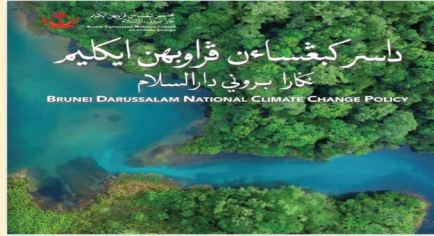
BNCCP STRATEGY 4
RENEWABLE ENERGY
30% of total installed capacity mix by 2035

DOEPMO TARGET
200MW installed capacity of renewable energy by 2025

INCREASE DIVERSIFICATION



BRUNEI SOLAR DEVELOPMENT PLAN



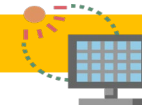
RENEWABLE ENERGY TARGET BRUNEI DARUSSALAM

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