

# EXECUTIVE COMMITTEE ON CLIMATE CHANGE

## MEETING No.10

14th December 2021 | 09.00 - 11.30am

**Meeting Materials Accessible at:-**



<https://bit.ly/3DSzu2q>



**Please Mute Mic at All Times  
When Not Speaking**



# جاوتنكواس ايكسيكوتيف قرويهن اقليم EXECUTIVE COMMITTEE ON CLIMATE CHANGE

## Meeting No.10

14.12.2021 | 9.00 - 10.30am  
VTC via Zoom

9:00 AM

سُورَةُ الْفَاتِحَةِ

# AGENDA

1.0

Opening Remarks by Chair

2.0

Adoption of Minutes of Meeting No.9

3.0

Report on the Brunei Darussalam National Climate Change Council (BNCCC) Meeting No.6 &amp; No.7

4.0

BNCCP Q3/2021 Progress Report

4.1 Overall Dashboard

4.2 Strategy 2 : Forest Cover

4.3 Strategy 7: Waste Management

4.4 Strategy 10 : Awareness and Education

4.5 Strategy 3 : Electric Vehicles

4.6 Strategy 8 : Climate Resilience and Adaptation

4.7 Strategy 1 : Industrial Emissions

4.8 Strategy 4 : Renewable Energy

4.9 Strategy 5 : Power Management

4.10 Strategy 6 : Carbon Pricing

4.11 Strategy 9 : Carbon Inventory

4.12 Protokol Hijau

4.13 Climate Action Fund

5.0

Updates Report

5.1 Net Zero

5.2 COP26

5.3 2022 Deliverables / Priorities

6.0

Any Other Business

6.1 BIBD's Efforts on Climate Action and Promotion

7.0

Next Meeting

# سُورَةُ الْفَاتِحَةِ

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
 الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ ۝<sup>١</sup> الرَّحْمَنِ الرَّحِيمِ ۝<sup>٢</sup>  
 مَلِكِ يَوْمِ الدِّينِ ۝<sup>٣</sup> إِيَّاكَ نَعْبُدُ وَإِيَّاكَ نَسْتَعِينُ ۝<sup>٤</sup>  
 اهْدِنَا الصِّرَاطَ الْمُسْتَقِيمَ ۝<sup>٥</sup> صِرَاطَ الَّذِينَ أَنْعَمْتَ  
 عَلَيْهِمْ ۝<sup>٦</sup> غَيْرِ الْمَغْضُوبِ عَلَيْهِمْ وَلَا الضَّالِّينَ ۝<sup>٧</sup>

# OPENING REMARKS BY CHAIR

Yang Mulia Awang Haji Azhar bin Haji Yahya  
Permanent Secretary at the Ministry of Energy

Chair of the Executive Committee on Climate Change

# ADOPTION OF MINUTES OF MEETING

Meeting No. 9 held on 3rd May 2021

## RECOMMENDATION

*Final Draft of Minutes of Meeting (MOM) No. 9 was circulated to all members via email.  
Comments received were reflected in the latest draft.*

1

The Meeting to **adopt** Minutes of Meeting for Executive Committee Meeting No. 9 held on 3rd May 2021.

# MATTERS ARISING TRACKER

Full list of updated closed items in document pack.

No.	ACTION PARTY	ITEM	DEADLINE	STATUS	LATEST UPDATES
<b>CC.EC.02 - Executive Committee on Climate Change No.2 (4 Mar 2019, 1:30 PM, East Wing Conference Room 1, PMO)</b>					
1	ARWG	ExCom/ARWG to look into forest issues especially on the degradation of peat soil from the construction of fire breaks.		OPEN	BSP/MC have engaged Wetlands International, for rehabilitation.
<b>CC.EC.04 - Executive Committee on Climate Change No.4 (4 Sept 2019, 2:30PM, Level 3 Meeting Room, PMO)</b>					
2	BCCS	To engage Department of Civil Aviation (DCA) on carbon trading to seek for their assistance.		OPEN	To engage DCA once work on S6 (Carbon Pricing) begins.
<b>CC.EC.08 - Executive Committee on Climate Change No.8 (30 November 2020, 2.00PM, Main Meeting Room, Level 4, Brunei Muara District Office)</b>					
3	BCCS	To consider MPRT or Department of Town and Country Planning as lead agencies for mapping exercise on tree planting areas.		ON-GOING	JPH leading, and to work with TCP.
4	BCCS	Climate Change Competency Framework (CCCF); to engage MPEC and MOE to align the demand of Green Jobs with the competitive and high unemployment in the country.		OPEN	Postponed to Q1/2022.
5	BCCS	Sea Level Rise Task Force (SLRTF); BCCS to facilitate engagement with regional meteorological counterparts on Sea Level Rise modelling.		OPEN	Already scheduled - postponed due to COVID second wave outbreak.

# REPORT ON BRUNEI DARUSSALAM NATIONAL COUNCIL ON CLIMATE CHANGE MEETING NO.6 & NO.7

Brunei Climate Change Secretariat

## OUTCOME OF BNCCC NO.6

Held on 29th May 2021

- The Council **took note** of all BNCCP strategies Q1/2021 progress with comments:

  - Strategy 3: Government policies need to be strengthened to advance this strategy;
  - Strategy 4: Solar panel installation to be extended to other districts too.
- The Council **endorsed** proposal for process, governance and timeline for the Climate Action Fund.
- The Council **took note** of the proposals to hold ASEAN Youth on Climate Change Dialogue and to set up ASEAN Centre for Climate Change (ACCC) with comments:

  - BCCS to further discuss the proposals at working level and to identify any legal implication and risks.
- The Council **took note** of the support required to implement Protokol Hijau and advised to further extend its implementation to the F & B sector, e.g restaurants and caterers.
- The Council **took note** of the Global Net Zero position.

**BNCCP  
Strategies**

**Climate Action  
Fund**

**ASEANYouCAN  
ACCC**

**Protokol  
Hijau**

**Net Zero**

## OUTCOME OF BNCCC NO.7

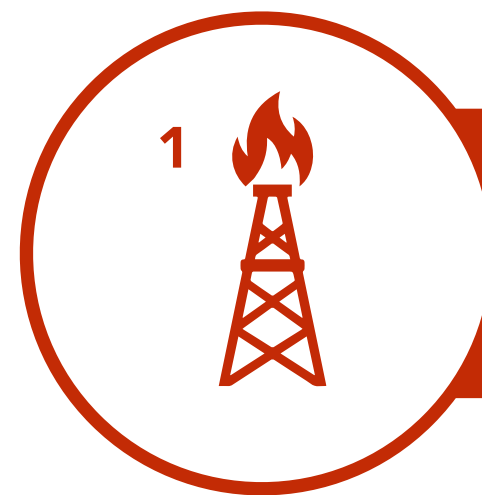
Held on 2nd October 2021

1	<p>The Council <b>took note</b> of all BNCCP strategies Q2/2021 progress with comments:</p> <ul style="list-style-type: none"> <li>• Strategy 3 - EVJTF to consider BDCB or other financial institutions as members of EVJTF;</li> <li>• Strategy 4 - To provide the public access to more information such as benefits of solar, installation costs, types of panels with high efficiency, etc; and encouraged to install more solar panels in government buildings.</li> <li>• Strategy 6 - To set up a task force to look at the establishment of Domestic Voluntary Carbon Offsets (DVCO) in Brunei. This task force will conduct a detailed assessment on the potential of national carbon sink capacity that can be verified as carbon credits.</li> </ul>	<b>BNCCP Strategies</b>
2	<p>The Council <b>endorsed</b> the proposal to appoint MOD Permanent Secretary (Infrastructure, Housing and Professional) as Interim Chair for the Adaptation and Resilience Working Group (ARWG)</p>	<b>ARWG</b>
3	<p>The Council <b>endorsed</b> Brunei Darussalam's new proposed position on "coal" and "net zero" subject to approval from HMO.</p>	<b>Coal and Net Zero</b>
4	<p>The Council <b>endorsed</b> the followings:</p> <ul style="list-style-type: none"> <li>• proposals for Brunei Darussalam's position on the 4 deliverables of the UK COP26 presidency.</li> <li>• proposed contents for COP26 National Statement.</li> </ul>	<b>COP 26</b>
5	<p>The Council <b>endorsed</b> the proposal to be stand guided by MFA on which country to support to host COP28.</p>	<b>COP 28</b>
6	<p>The Council <b>took note</b> of the updates on Brunei Darussalam's ASEAN 2021 Chairmanship Deliverables on Climate Change.</p>	<b>ASEAN 2021</b>

# BNCCP Q3/2021 PROGRESS REPORT

Brunei Climate Change Secretariat

THE BRUNEI DARUSSALAM NATIONAL CLIMATE CHANGE POLICY (BNCCP) HAS BEEN ESTABLISHED TO PAVE FOR BRUNEI DARUSSALAM'S LOW CARBON AND CLIMATE-RESILIENT PATHWAYS FOR A SUSTAINABLE NATION



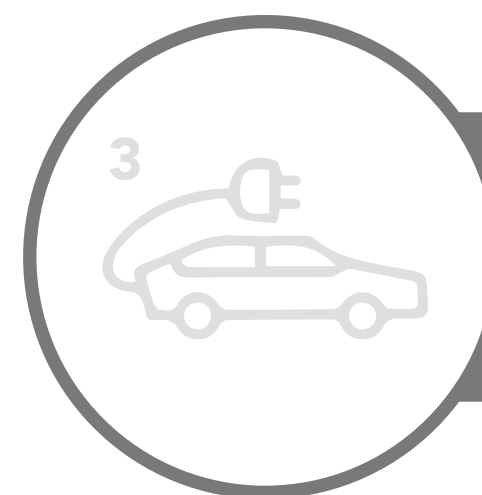
### INDUSTRIAL EMISSIONS

MINISTRY OF ENERGY



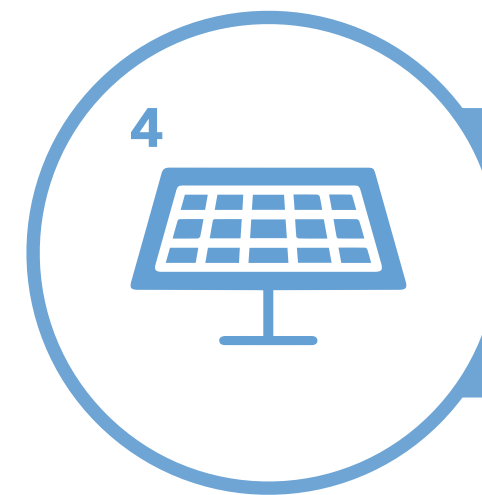
### FOREST COVER

MINISTRY OF PRIMARY RESOURCES & TOURISM



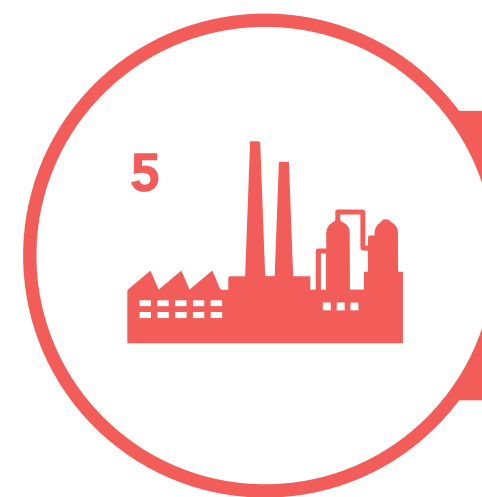
### ELECTRIC VEHICLES

MINISTRY OF TRANSPORT & INFOCOMMUNICATIONS & MINISTRY OF ENERGY



### RENEWABLE ENERGY

MINISTRY OF ENERGY



### POWER MANAGEMENT

MINISTRY OF ENERGY



### CARBON PRICING

BRUNEI CLIMATE CHANGE SECRETARIAT



### WASTE MANAGEMENT

MINISTRY OF DEVELOPMENT



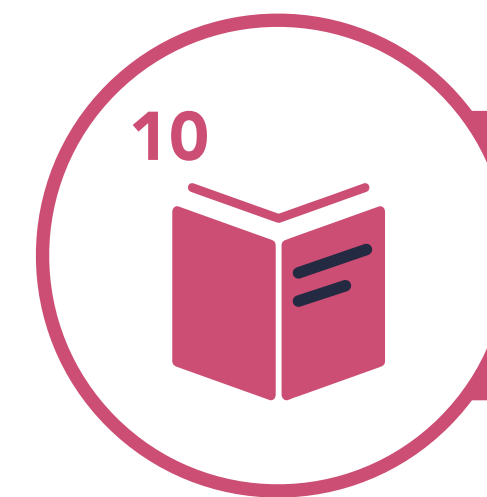
### CLIMATE RESILIENCE & ADAPTATION

BRUNEI CLIMATE CHANGE SECRETARIAT & NATIONAL DISASTER MANAGEMENT CENTRE



### CARBON INVENTORY

BRUNEI CLIMATE CHANGE SECRETARIAT



### AWARENESS & EDUCATION

BRUNEI CLIMATE CHANGE SECRETARIAT & MINISTRY OF EDUCATION

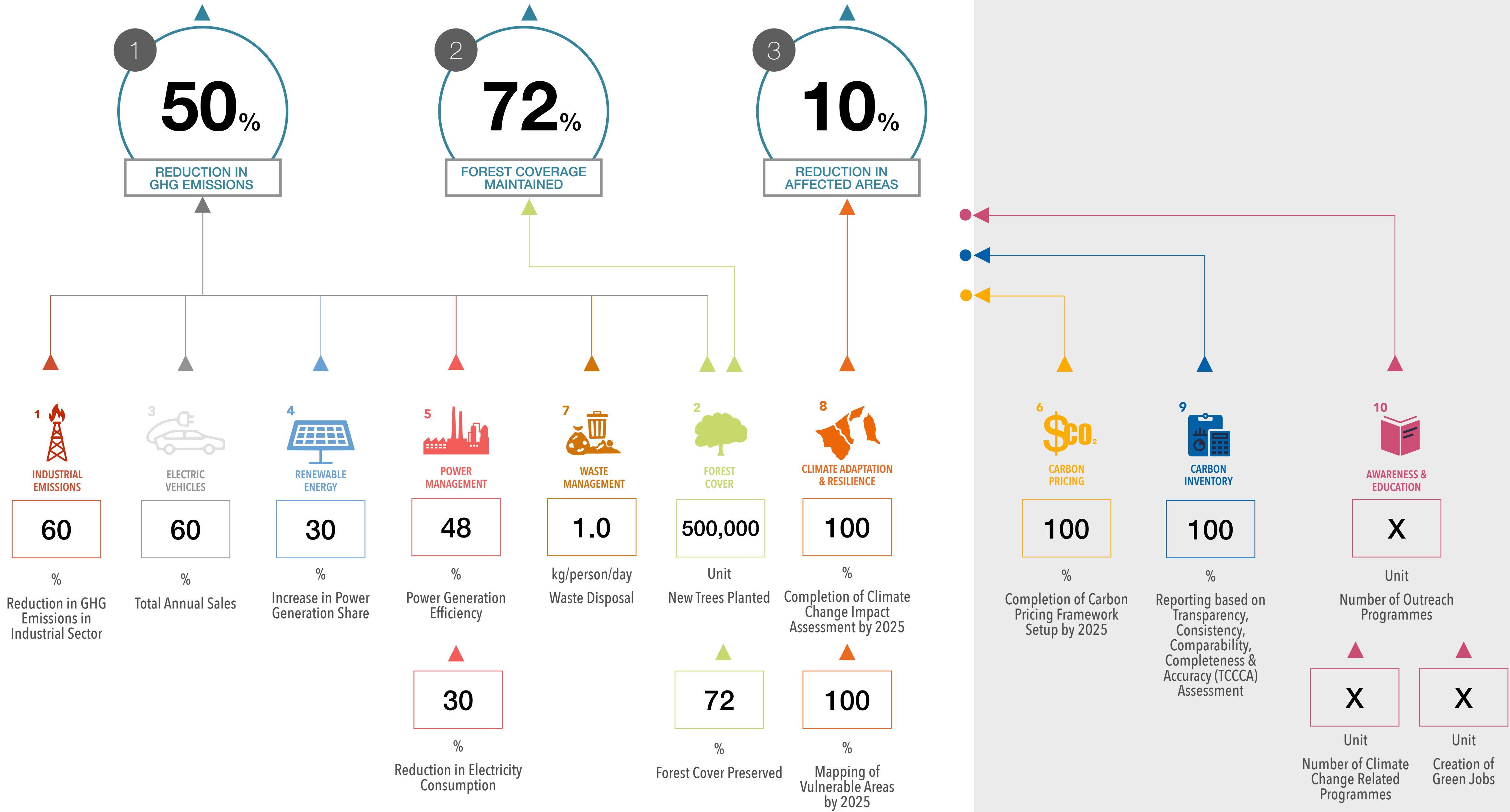
# LOW CARBON AND CLIMATE-RESILIENT BRUNEI DARUSSALAM

2035 TARGETS

KEY SUCCESS MEASURE

STRATEGIES

KEY PERFORMANCE INDICATORS



# INTEGRATED ROADMAP

2021

2022

2023

2024

2025

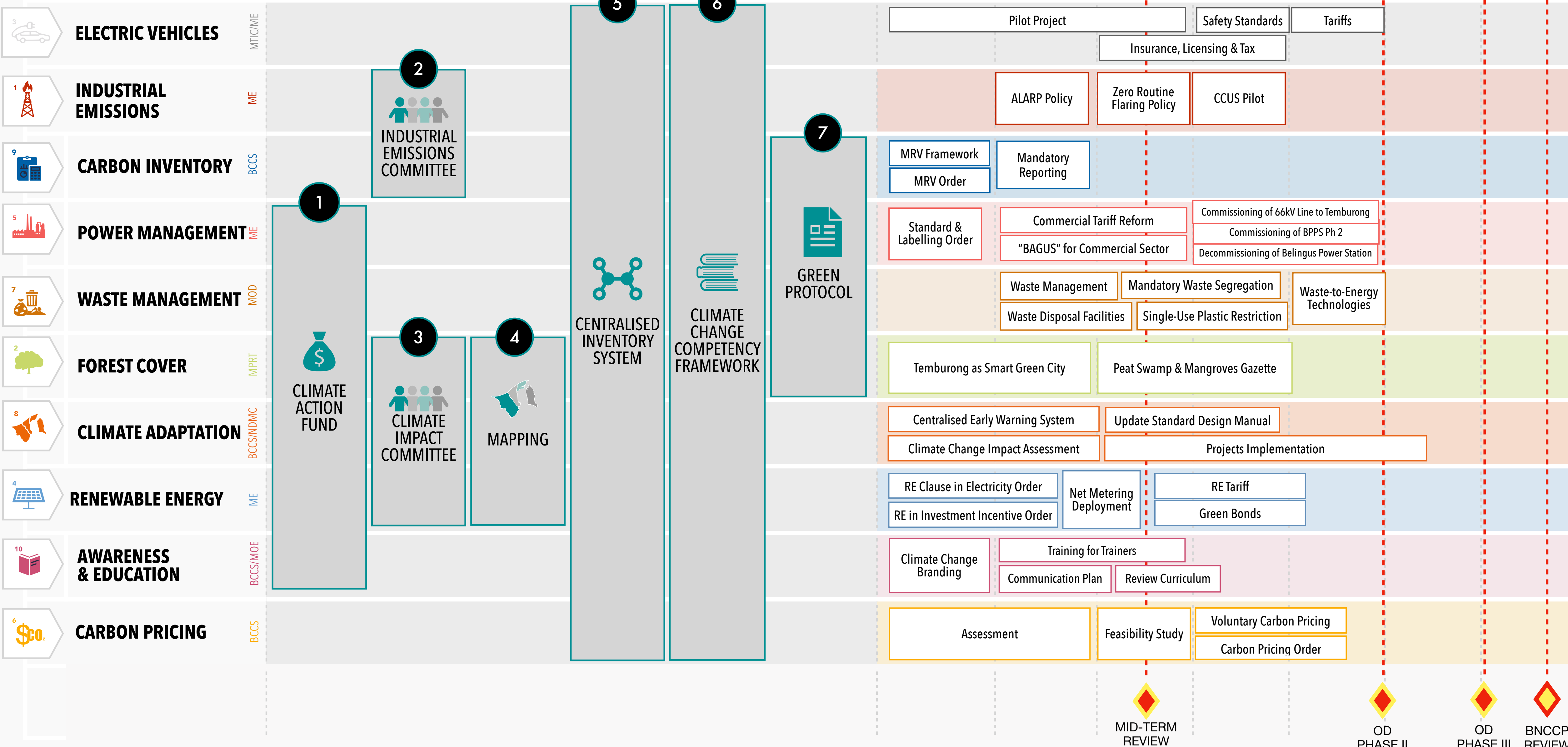
2030

2035

LAYING FOUNDATION

SCALING UP

DECARBONISATION

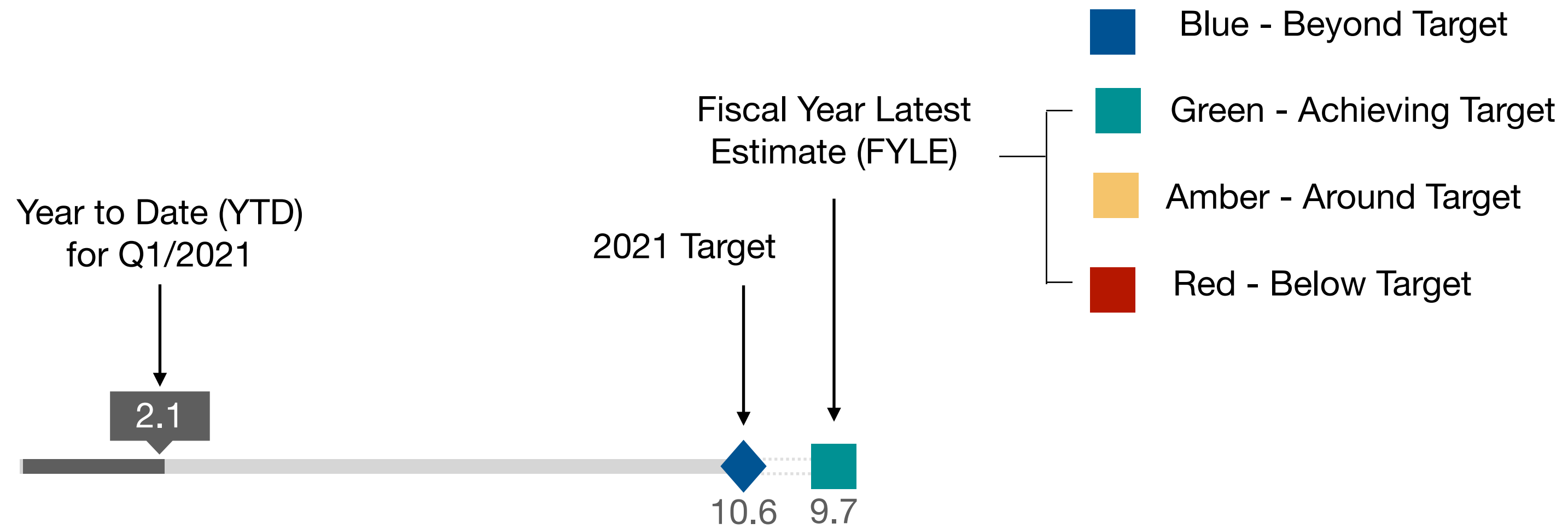


# BNCCP Q3/2021 PROGRESS REPORT

## Overall Dashboard

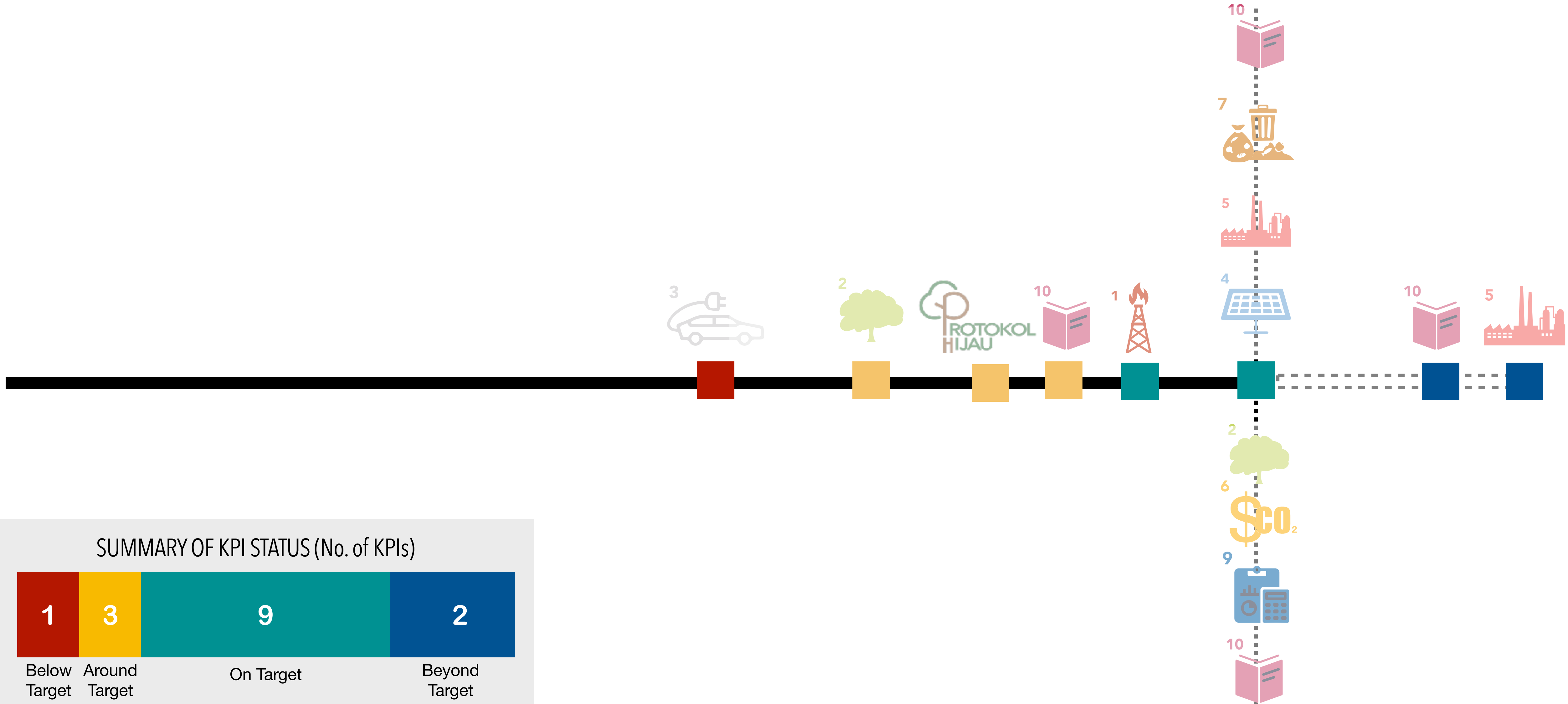
Brunei Climate Change Secretariat

# Legend for KPIs Progress Indicators

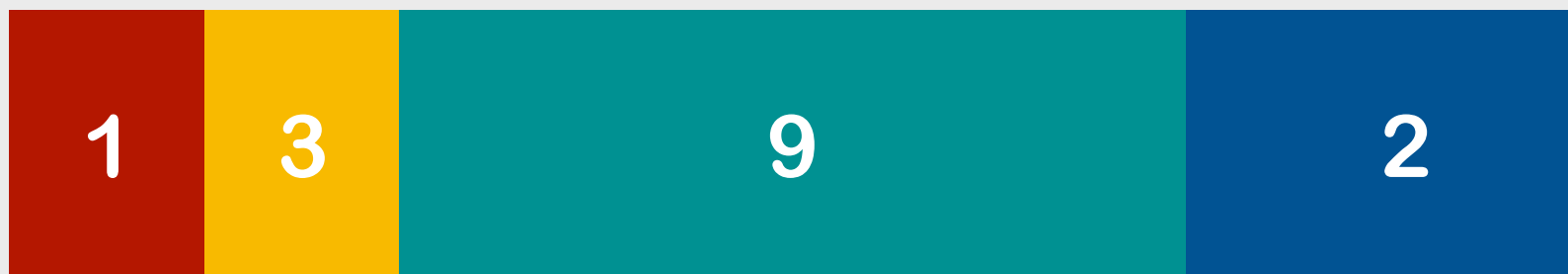


# OVERALL LATEST ESTIMATES (FYLE) FOR Q3/2021

BELOW TARGET      ON TARGET      ABOVE TARGET



SUMMARY OF KPI STATUS (No. of KPIs)



Below Target

On Target

Beyond Target

# BNCCP Q3/2021 PROGRESS REPORT

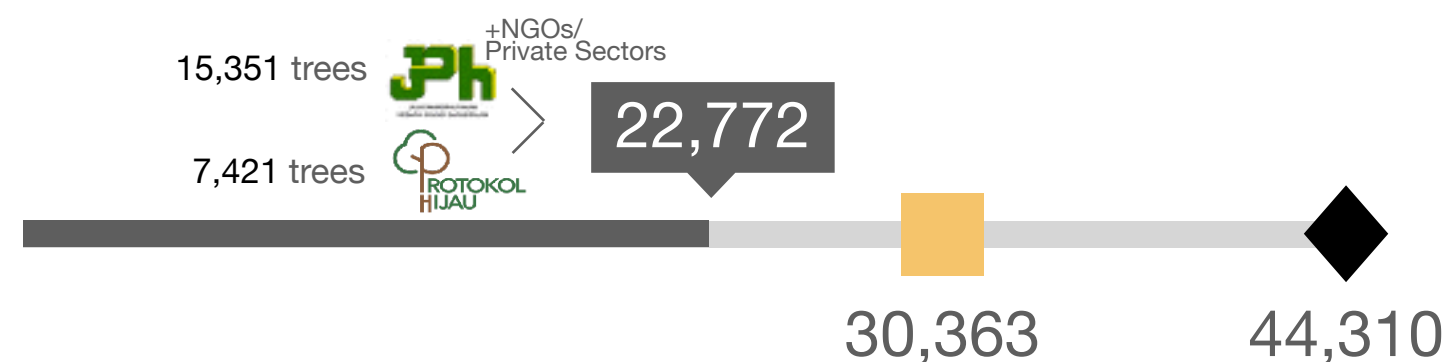
## Strategy 2 : Forest Cover

Ministry of Primary Resources and Tourism

# FOREST COVER

Q3 (JUL-SEP 2021)

## New Trees Planted (No. of Unit)



## Forest Cover Maintained (%)



## Strategic Action Items



## Q3 HIGHLIGHTS

### 1. Tree Planting Activities

- Tree planting activities planned by the private sectors, and NGOs for August and September were cancelled and postponed, due to COVID-19 outbreak.

### 2. Protokol Hijau

- Tree planting activities planned by the Government sector for August and September were cancelled and postponed, due to COVID-19 outbreak. This resulted in underachieved Protokol Hijau targets for some Ministries.



## Q4 PRIORITIES

### 1. Tree Planting Activities

- To resume tree planting activities under the Forestry Department programmes, private sectors and NGOs during COVID-19 de-escalation period.

### 2. Protokol Hijau

- For resumed planned tree planting activities with relevant Ministries (depending on respective Ministries' decisions and SOPs).

### 3. Tree Planting App

- A grant of \$5,000 was awarded to Sphiere Sdn. Bhd. under the Shell Livewire Programme.
- Launching postponed to Q1, 2022.



## KEY CHALLENGE



Limited tree planting activities, due to COVID-19 outbreak.

### SUPPORT FROM EXCOM

- To recalibrate annual targets for 2022-2035, to incorporate the number of trees not able to be planted in 2021.
- To carry forward targets for Protokol Hijau's "Kempen 26,000 Pokok" to 2022; Ministries that have achieved target are welcomed to plant more.

# BNCCP Q3/2021 PROGRESS REPORT

## Strategy 7 : Waste Management

Ministry of Development



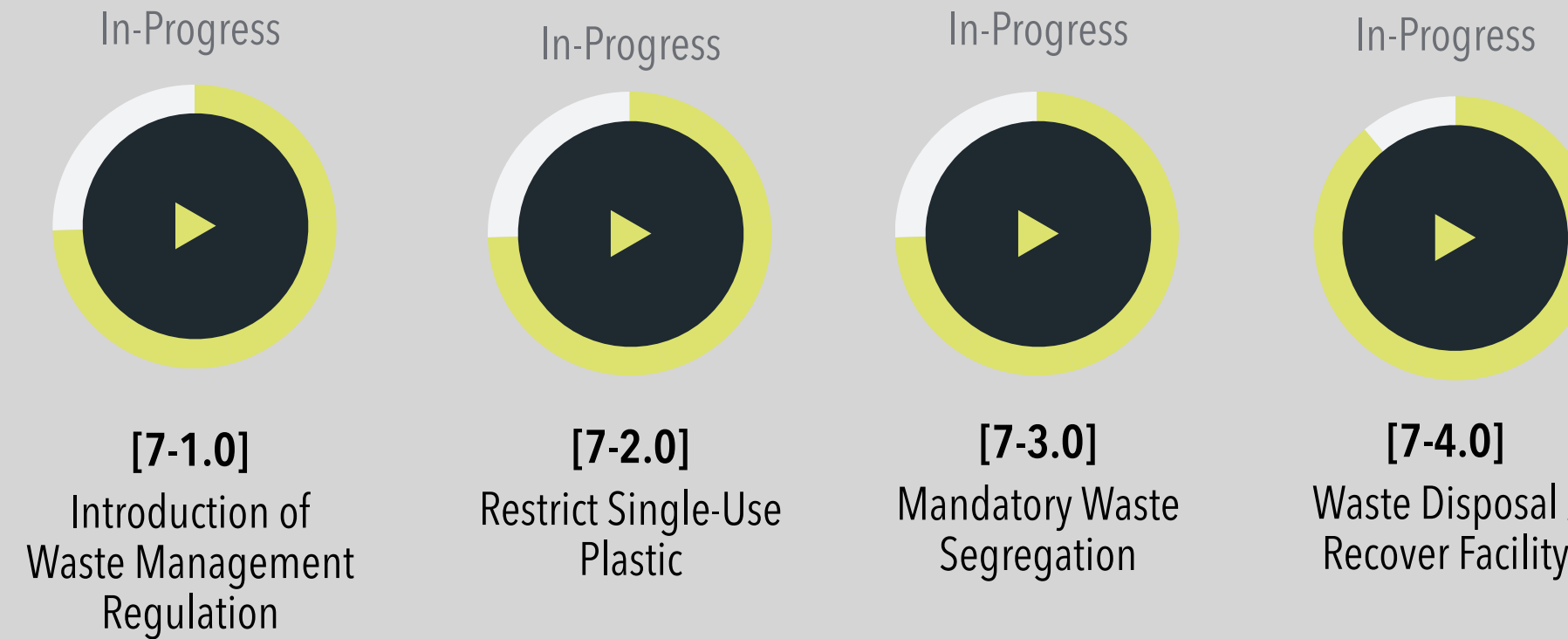
# WASTE MANAGEMENT

Q3 (JUL-SEP 2021)

## Rate of Municipal Waste Disposal Per Person Per Day (kg)



### Strategic Action Items



### Q3 HIGHLIGHTS

#### 1. Waste Generation Increase



- 1.22 kg/person/per day (Jan-Sept 2021). [Note: Adjusted to include latest population figure.]

#### 2. Waste-to-Energy Facility



- EOI submissions evaluation - final stages. To present evaluation findings to Steering Committee.

#### 3. Tax on Single-Use Plastics

- Proposal submitted to Royal Customs and Excise Department, to increase excise duty on targeted single-use plastics, particularly plastic bags and styrofoam products for food packaging purposes.

### Q4 PRIORITIES

#### 1. Waste Regulation drafting

- Final Draft of Waste Management Regulation under review by MOD, before submission to AGC.

### KEY CHALLENGE



- Lack of public participation - unwillingness to adapt to changes.
- Convenience over conservation.

#### SUPPORT FROM EXCOM

- Support in **shaping and encouraging the public** on efforts to reduce waste.
- High-level management to **lead commitments** on reducing waste.

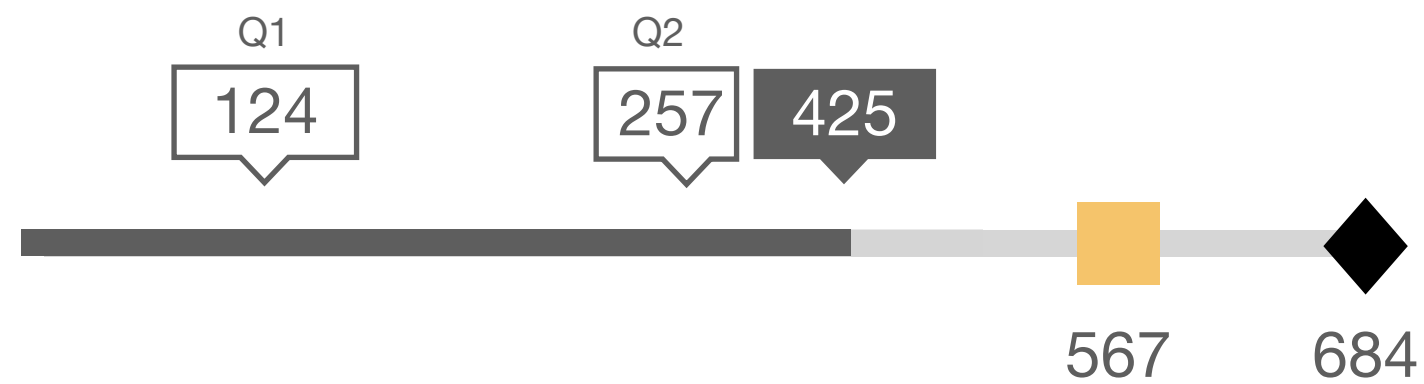
# BNCCP Q3/2021 PROGRESS REPORT

## Strategy 10 : Education and Awareness

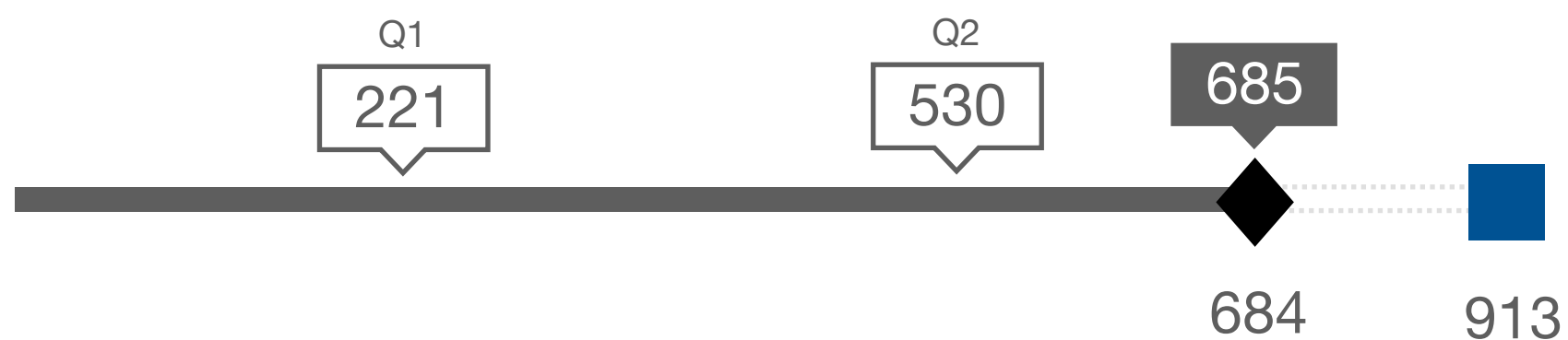
Ministry of Education

Q3 (JUL-SEP 2021)

## Outreach Programmes (No. of Unit)



## Climate Change Related Programmes and Collaborations with Other Agencies (No. of Unit)



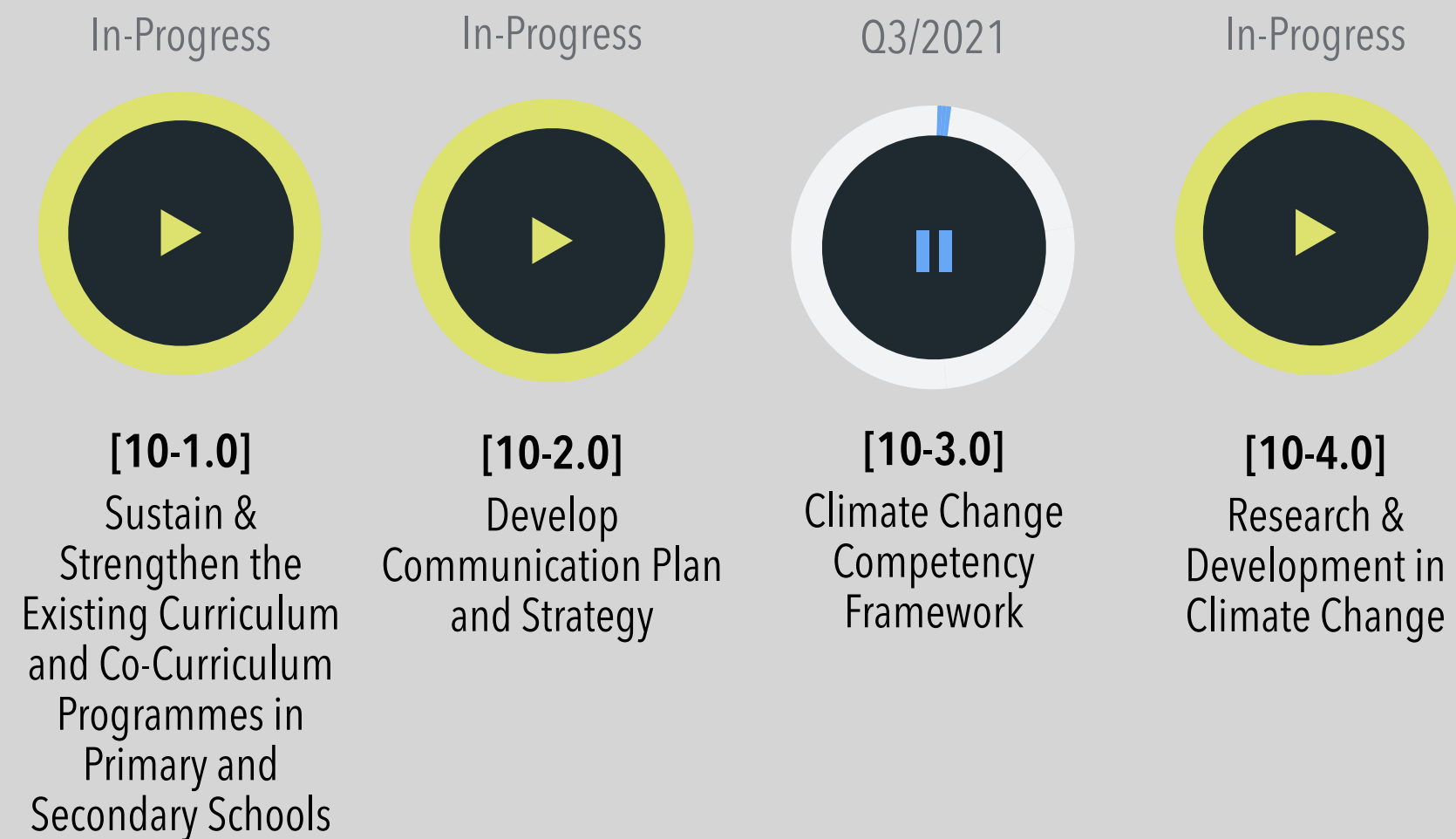
## Research in Climate Change Per Year (No. of Unit)



## Climate Promotion Programmes (No. of Unit)



## Strategic Action Items



## Q3 HIGHLIGHTS

### 1. Research

- 4 Research (3 UBD; 2 UTB) on-going with some field work restrictions; 1 completed (UTB).

### 2. Education & Awareness Programme in Schools

- Some programmes conducted online, despite school closures due to COVID-19.

## Q4 PRIORITIES

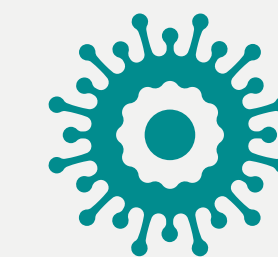
### 1. Commitment to Implement

- Institutions to continue with research despite COVID-19 restrictions.
- Schools to implement climate change education & awareness programmes.

### 2. BNCCP "Climate Action" Video

- Launching of "BNCCP Climate Action" video to all media platforms.
- Stay-At-Home Tree Planting, with Green Brunei.

## KEY CHALLENGE



School closures, due to COVID-19 outbreak.

### SUPPORT FROM EXCOM

- Funding for education, awareness and research - **priority allocation** under Climate Action Fund.

# BNCCP Q3/2021 PROGRESS REPORT

## Strategy 3 : Electric Vehicles

Electric Vehicle Joint Task Force

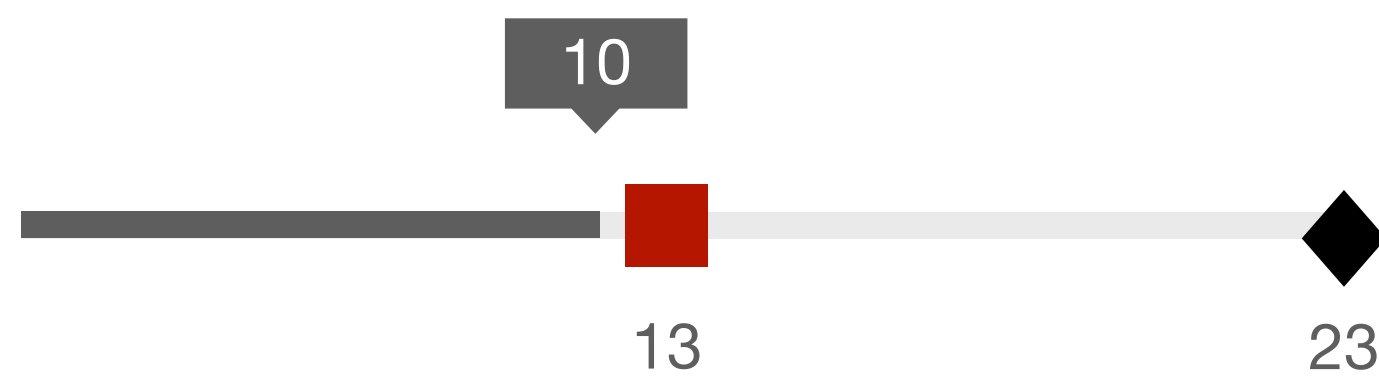
(Ministry of Transport and Infocommunications & Ministry of Energy)



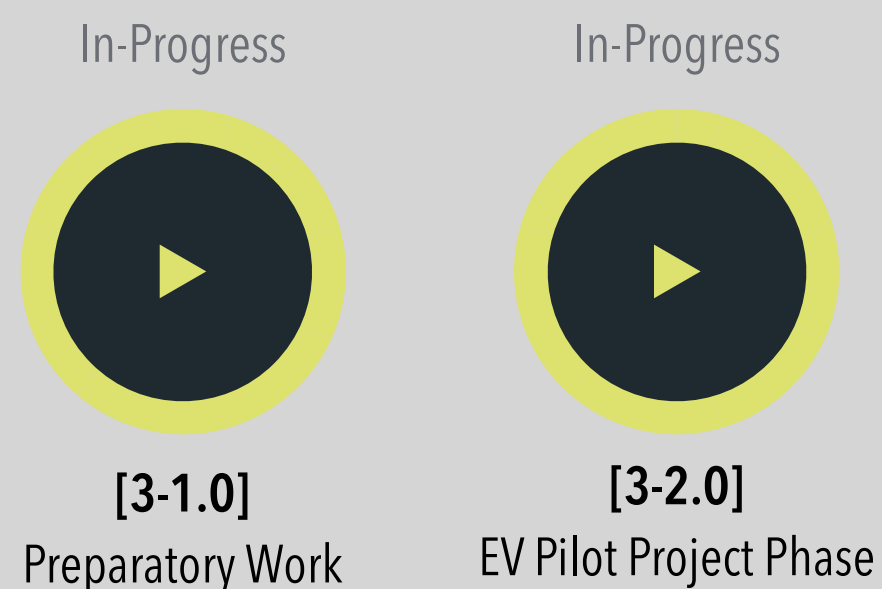
# ELECTRIC VEHICLES

Q3 (JUL-SEP 2021)

## Total Annual Electric Vehicle Sales (No. of Unit)



## Strategic Action Items



## Q3 HIGHLIGHTS

### 1. Government-Linked Company (GLC) Support

- Berakas Power Company (BPC) purchased one (1) unit of fully electric vehicle as corporate car - charged using BPC's on-site Solar PV outlet.

### 2. Categorisation of EV Fleet



- 79% of active EVs are categorised as "high end".

## Q4 PRIORITIES

### 1. Engagement with MOFE

- On excise duty, charging tariff and green financing.

### 2. EV Promotion and Awareness

- Car dealers to accelerate promotion and awareness of EVs.

### 3. EV Training

- Car dealers conducting virtual trainings (e.g. EV technical system, battery managements, etc.)

### 4. Charging Stations

- Estimated arrival and installation at Lambak Petrol Station is delayed to Q4/2021 or Q1/2022, due to COVID-19 outbreak.

## KEY CHALLENGE



1. Pricing of EVs is high.



2. COVID-19 outbreak led to delayed progress.

### SUPPORT FROM EXCOM

- ▶ Accelerate the review of incentives with MOFE (excise duty, charging tariff & green financing).
- ▶ BG fleet to shift to EVs.
- ▶ Installation of charging infrastructure in Government and other offices buildings.

# BNCCP Q3/2021 PROGRESS REPORT

## Strategy 8 : Climate Resilience and Adaptation

Adaptation and Resilience Working Group  
(Ministry of Home Affairs)



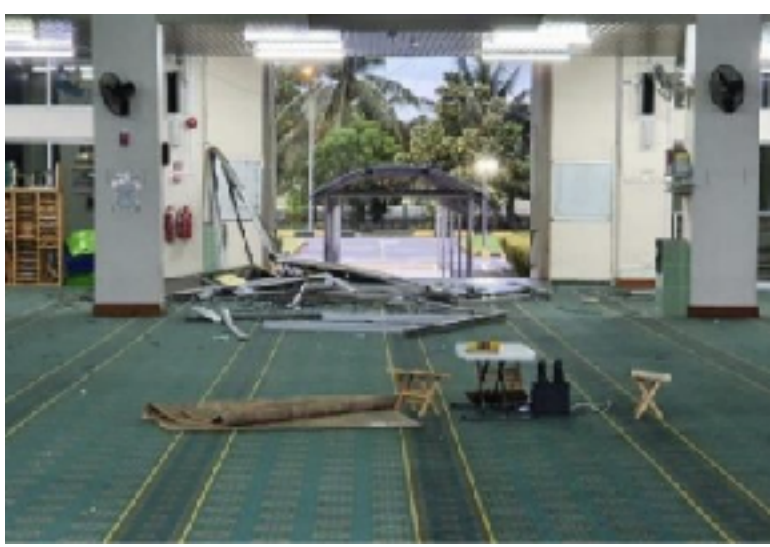
# CLIMATE RESILIENCE & ADAPTATION

Q3 (JUL-SEP 2021)

**Definition, KPIs and baselines are currently under review** by the Adaptation and Resilience Working Group.

## Q3 HIGHLIGHTS

1. Collaboration between JKR and NDMC, the Kajiselidik Task Force carried out flood impact analysis to determine recovery efforts and way forwards for flood victims in Belait.
2. School-based Disaster Risk management for Sek. Men. Pg Puteri Hjh Rashidah Sa'adatul Bolkiah, Lumut, Belait.
3. Continuous capacity building programme, through engagement with regional stakeholders. i.e. Formulation of Regional Adaptation to Drought and Urban Climate Resilience. Engagement with local agencies on hold due to COVID-19 outbreak.



## Q4 PRIORITIES

1. Re-positioning of Adaptation and Resilience Working Group with appointed Interim Chair, YM SUT (IPP) MOD.
2. Continuous monitoring and assessment over high risk areas, especially during inter Monsoon season, i.e. Belait and Tutong.
3. Revision of the Disaster Management Strategic Policy Framework (DMSPF) as the national framework for disaster management, and ensure alignment with BNCCP Strategy 8 and Sendai Framework monitoring.

## KEY CHALLENGE



1. COVID-19 Outbreak



2. Domestic Climate Science Data

## SUPPORT FROM EXCOM

- ▶ Appointed members of the Adaptation and Resilience Working Group to **actively participate**, in shaping BNCCP Strategy 8.

# BNCCP Q3/2021 PROGRESS REPORT

Strategy 1 : Industrial Emissions

Strategy 4 : Renewable Energy

Strategy 5 : Power Management

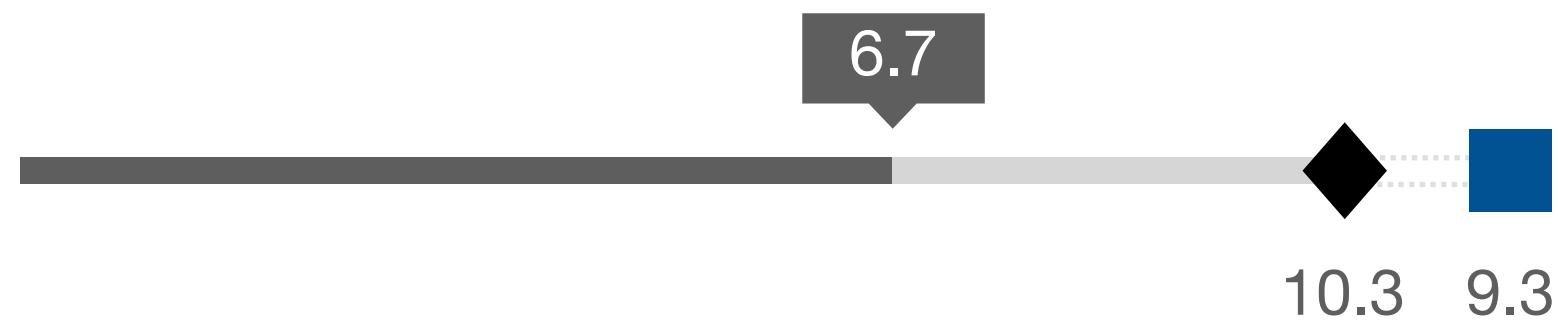
Ministry of Energy



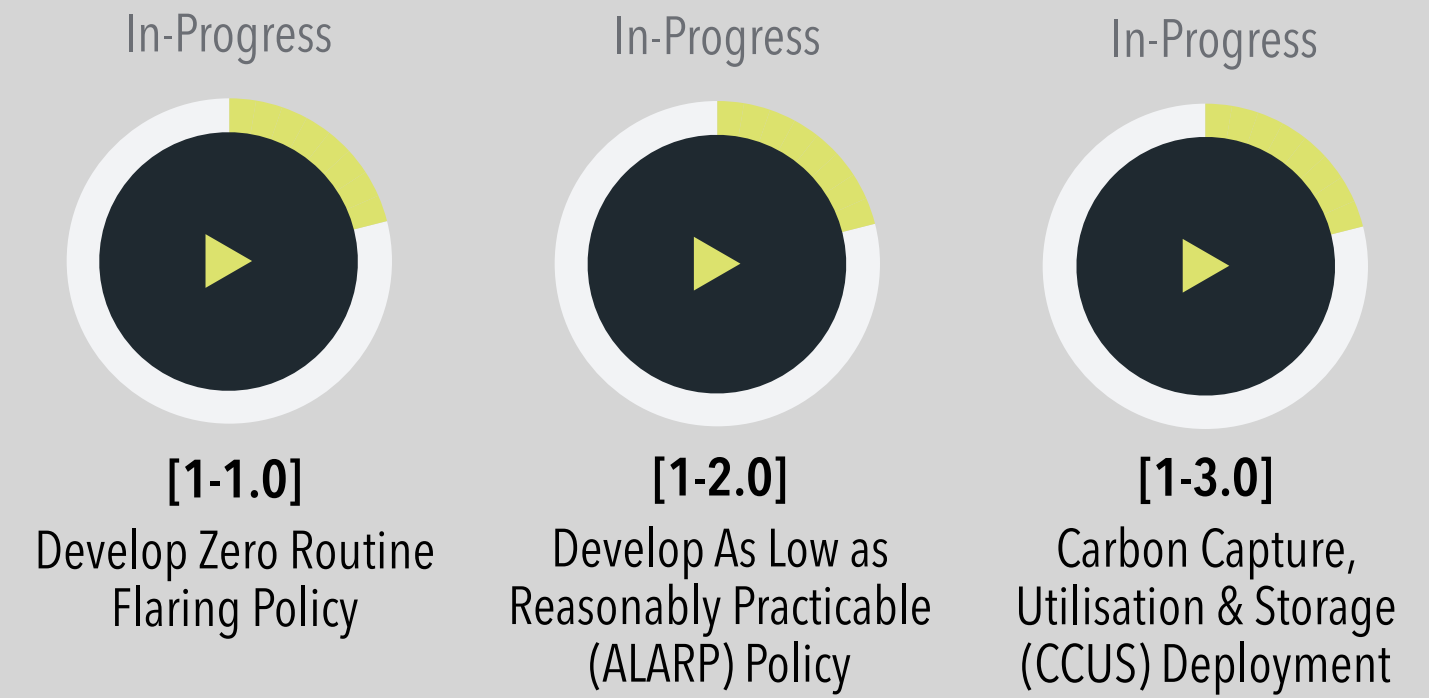
# INDUSTRIAL EMISSIONS

Q3 (JUL-SEP 2021)

## GHG Emissions in Industrial Sector (Mt CO2e)



## Strategic Action Items



## Q3 HIGHLIGHTS

### 1. 2nd IEC Meeting



- Held virtually, on 7th October 2021
- Agenda: GHG emissions profile, GHG emissions data timeline, template, and minimum requirement for reporting.
- BSP & BGC shared emissions mitigation journey.

### 2. IEC Interface Meetings



- Multiple IEC bilateral engagements were held - on Zero Routine Flaring, ALARP Definition and GHG Emissions Data.
- Virtual engagements as of 25th November - BFI, BGC, BSP, TotalEnergies, Hengyi, and Brunei LNG.

## Q4 PRIORITIES

### 1. Industrial Emissions Committee (IEC)

- To complete schedule bilateral engagements on GHG Emission, with remaining IEC members.

### 2. Data Alignment

- Roll out revised reporting to include FLYE for Total GHG Emissions (FYLE inclusion, source of emissions reported, gases recorded, change in reporting timeline).
- On-going preparation for operators to include emissions breakdown including types of gas for reporting to start in Q3, 2022.

## KEY CHALLENGE



1. Standardisation of emissions data reporting, and calculation methodology.



2. COVID-19 Restrictions: impacted planned physical site visits.

### SUPPORT FROM EXCOM

► N/A

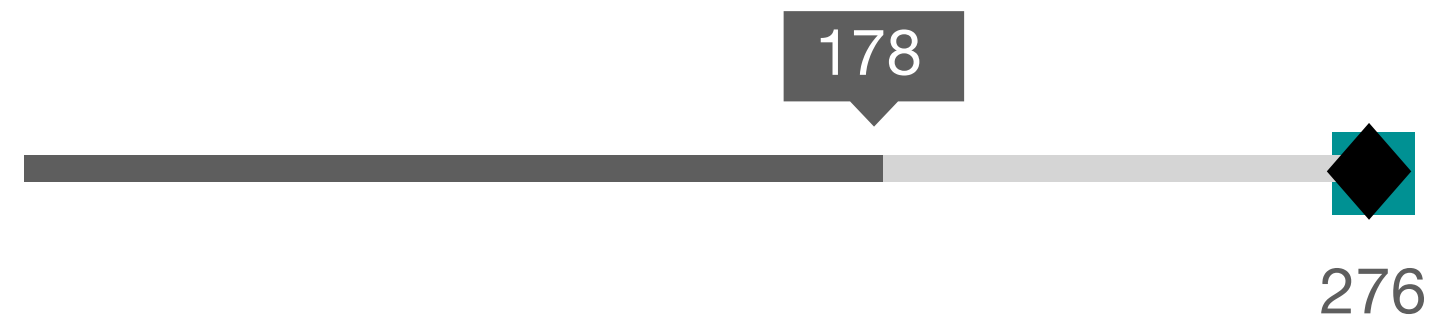
# RENEWABLE ENERGY

Q3 (JUL-SEP 2021)

## RE Share in Generation Capacity Mix (MWp) - Large Scale Solar



## RE Share in Generation Capacity Mix (kWp) - Small Scale Solar



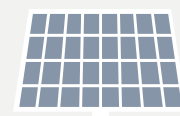
### Q3 HIGHLIGHTS

#### 1. Installation of 100kW Solar PV System at Temburong District Office



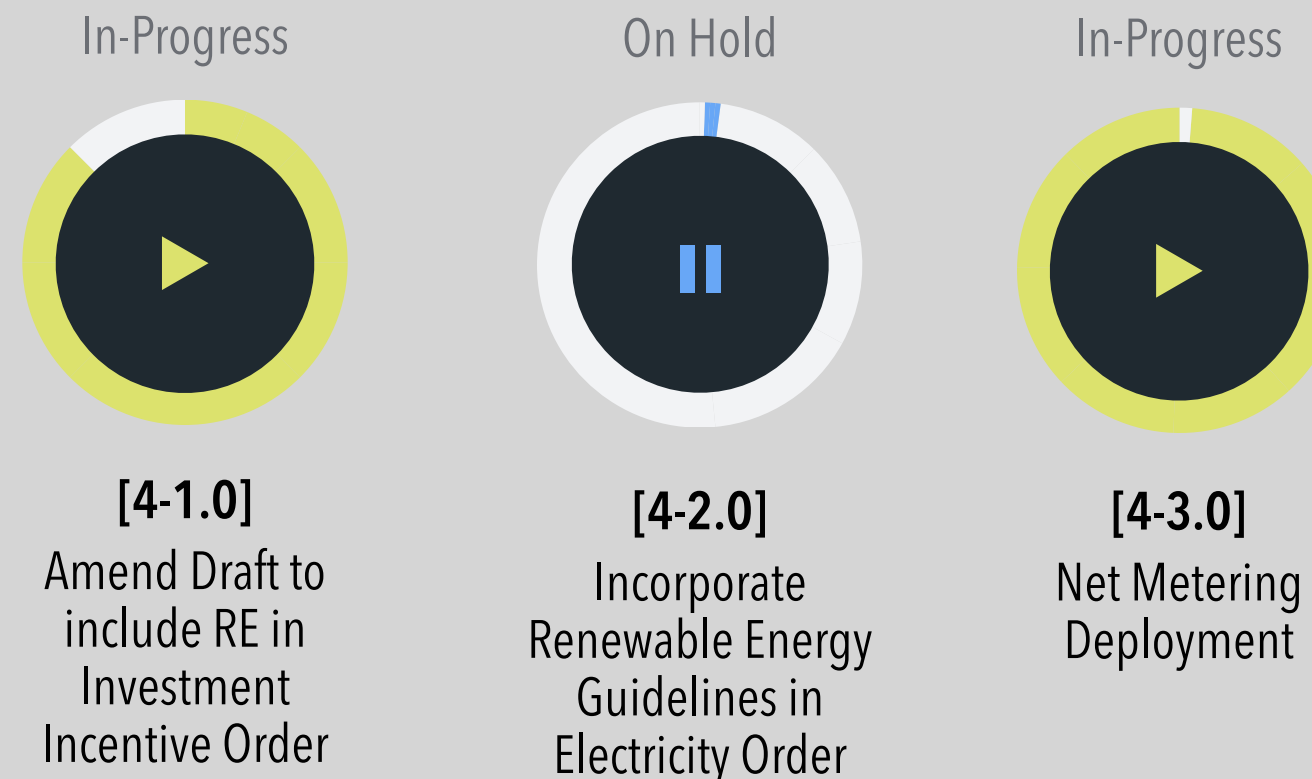
- First utility-led medium scale installation on a Government building.
- The system is connected to a Net-Metering mechanism producing about 12,000 kWh of renewable electricity per year (avoiding GHG emissions of 66 tonnes of CO<sub>2</sub>e per year).

#### 2. Preparation of a 30MW RFP



- Soil investigation (plate bearing test and soil analysis) concluded.
- Successful land gazette process under the Ministry of Energy.

### Strategic Action Items



### Q4 PRIORITIES

#### 1. 30MW Solar PV Project

- To issue RFP, in order to meet target COD in 2023.

#### 2. Net-Metering Phase II

- To introduce Net-Metering Phase II
- Pending approval from MOFE on nation-wide net-metering programme.

#### 3. Other Solar PV Installation on Government Buildings

- In Progress - 20kW rooftop at Dewan Bahasa dan Pustaka Temburong; 8kW rooftop at Pusat Belia Temburong.
- Planned - rooftop solar installations at PTE Tutong, and Sekolah Men. Tanjong Maya Tutong (by GLC).

### KEY CHALLENGE



Net-Metering Programme pending approval from MOFE.

#### SUPPORT FROM EXCOM

- ▶ All Ministries to install Solar PV in their respective assets and facilities.
- ▶ ExCom members (private sectors) can explore opportunities to include renewable energy projects as part of credits for voluntary carbon offsets mechanism.



# POWER MANAGEMENT

Q3 (JUL-SEP 2021)

## Average Power Plant Efficiency (%)



## Reduction in Electricity Consumption (GWh)



### Q3 HIGHLIGHTS

#### 1. Standard & Labelling Order

- Registration system for registrable goods, under RCED established.

#### 2. Energy Management - Commercial Sector

- Expansion of EEC Building Guidelines - EEI into BAGUS tools, for commercial buildings.
- Commercial Electricity Tariff Reform - proposal developed.

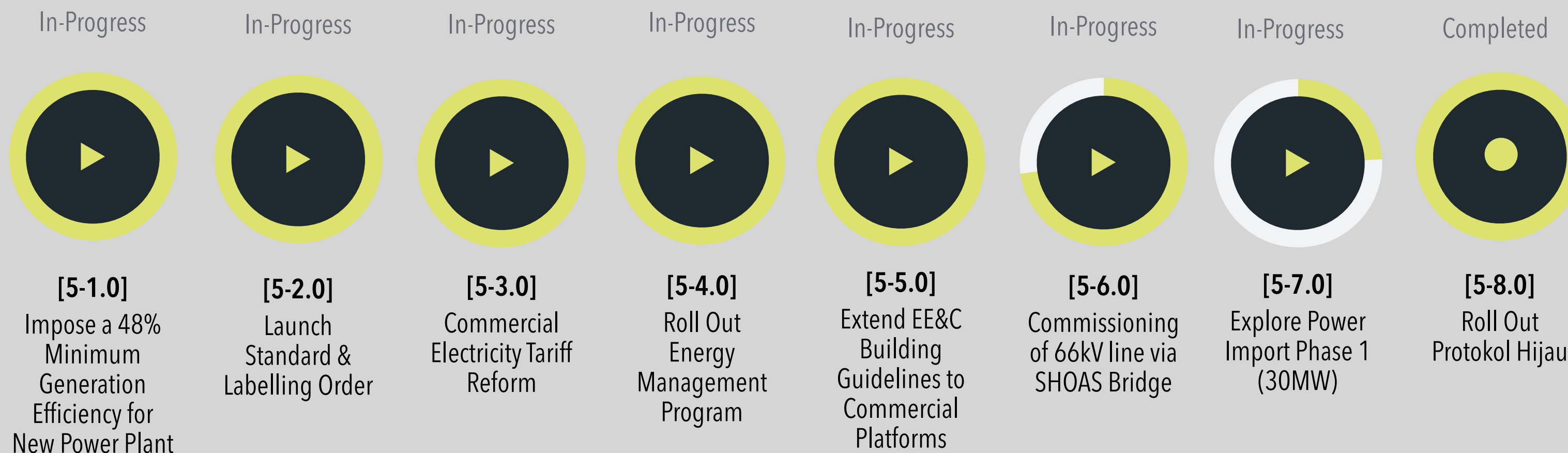
#### 3. 66kV line via SHOAS Bridge

- Anticipated commissioning deferment (beyond Q1, 2023).
- 30% electricity demand via 11kV line from Mentiri to Temburong (BND1.2M annual savings on diesel).

#### 4. Power Import Phase I (30MW)

- Key Term Sheet reviewed, and technical assessments completed.

### Strategic Action Items



### Q4 PRIORITIES

#### 1. Standard & Labelling Order (SLO)

- Socialisation to vendors, National Energy Mangers, and to Mukim/Kg.

#### 2. Energy Management - Commercial & Government Sector

- Finalise commercial tariff reform proposal.
- Complete energy auditing exercise at KKP, Tungku (ME-MPRT collaboration project).

#### 3. 66kV line via SHOAS Bridge

- Perdayan 66kV Switchyard; contract signed - expedite progress.
- Mentiri S/S to Perdayan S/S 66kV transmission link - submission of tender recommendation to LTK and LTN.

#### 4. Power Import Phase I (30MW)

- Finalise tariff and PPA T&C; continue engagement with MOFE on budget and overall project scheme value.

### KEY CHALLENGE



Land acquisition for way leave establishment.

### SUPPORT FROM EXCOM

- Institutionalise and establish National Energy Managers in all Ministries, and Departments.
- Expedite consideration for budget request for the cross-border power import infrastructure.
- Projects to proceed, and not contingent to Power Co's Power Development Plan.

# BNCCP Q2/2021 PROGRESS REPORT

Strategy 6 : Carbon Pricing  
Strategy 9 : Carbon Inventory

Brunei Climate Change Secretariat

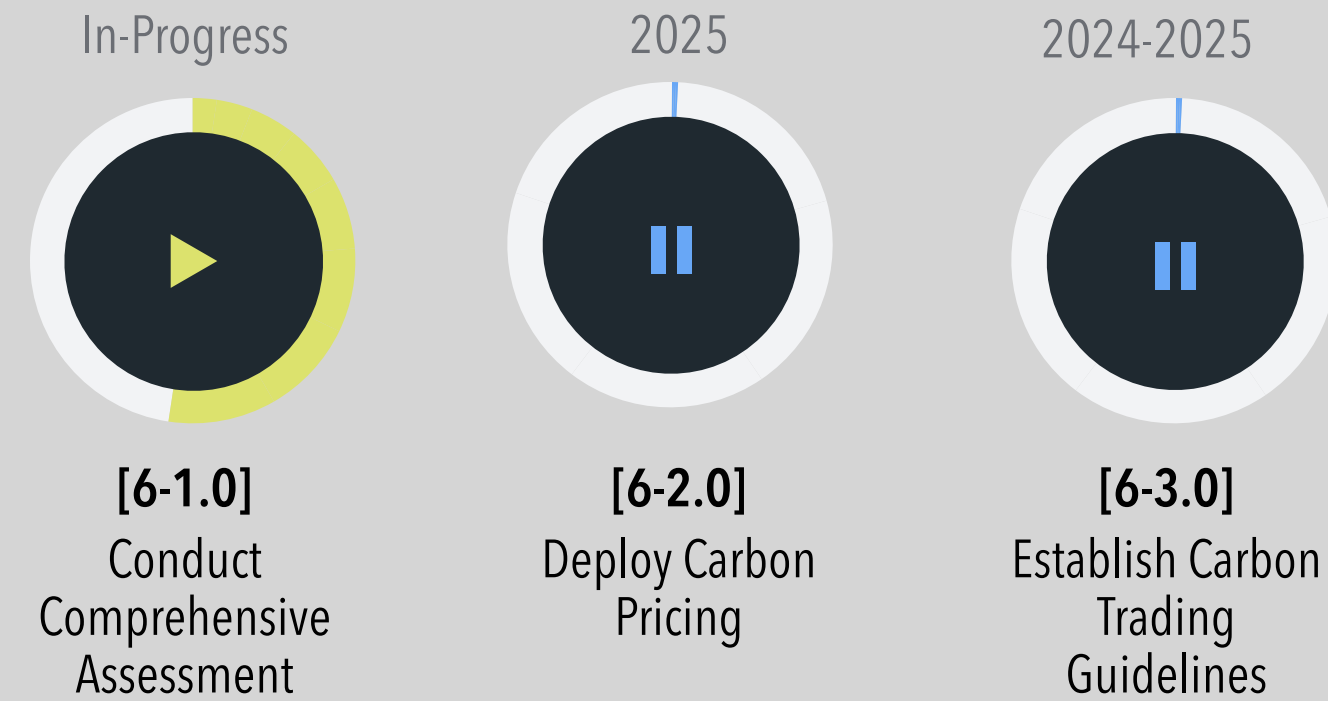
# CARBON PRICING

Q3 (JUL-SEP 2021)

## Completion of Carbon Pricing Framework Setup (%)



## Strategic Action Items



July 7, 2021, by Sanja Pekic  
The first carbon-neutral LNG cargo for Brunei LNG and Osaka Gas was delivered by Shell at the Senboku LNG terminal in Japan.



Courtesy of Osaka Gas

Shell inked an agreement with Brunei LNG for the purchase of a carbon-neutral LNG cargo, as well as a sales agreement with Osaka Gas for delivery of this cargo.



Brunei LNG's first carbon-neutral LNG cargo delivered to Osaka Gas in July 2021.

A value of 3.36 tonnes of btu LNG emissions offsetted.

## Q3 HIGHLIGHTS



### 1. Capacity Building

- BCCS and ME attended Temasek Foundation programme to build capacity on formulating carbon pricing framework.

### 2. Carbon Pricing Workshop



- A "Workshop on Carbon Pricing Policies" was held on 22 September 2021, co-organised by BCCS, IPS-UBD and ASEAN Centre for Energy.
- International experts as speakers, from:-



## Q4 PRIORITIES

### 1. Comprehensive Assessment

- Assessment work with ACE has commenced - establishment of scope for assessment.
- Key outcomes - carbon pricing mechanism, scheme of implementation, price of carbon, emissions threshold, sectors coverage and revenue stream mechanism.

### 2. Domestic Voluntary Carbon Offset (DVCO)

- TOR for DVCO Task Force and appointment of members (Forestry Department, Town and Country Planning, Land Department, MOFE and BCCS).
- Ground work for DVCO Institutional Framework.

## KEY CHALLENGE



Limited technical expertise and resources within the Secretariat.

### SUPPORT FROM EXCOM

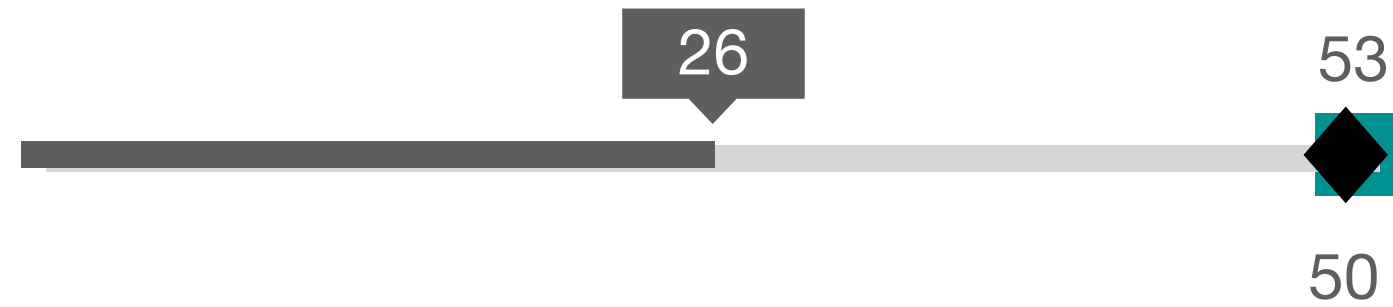
- ▶ **Two (2) officers** from MOFE, ExCom members agencies, and financial institutions, **to be seconded to BCCS**, to establish carbon pricing framework. [For a duration of one year minimum.]



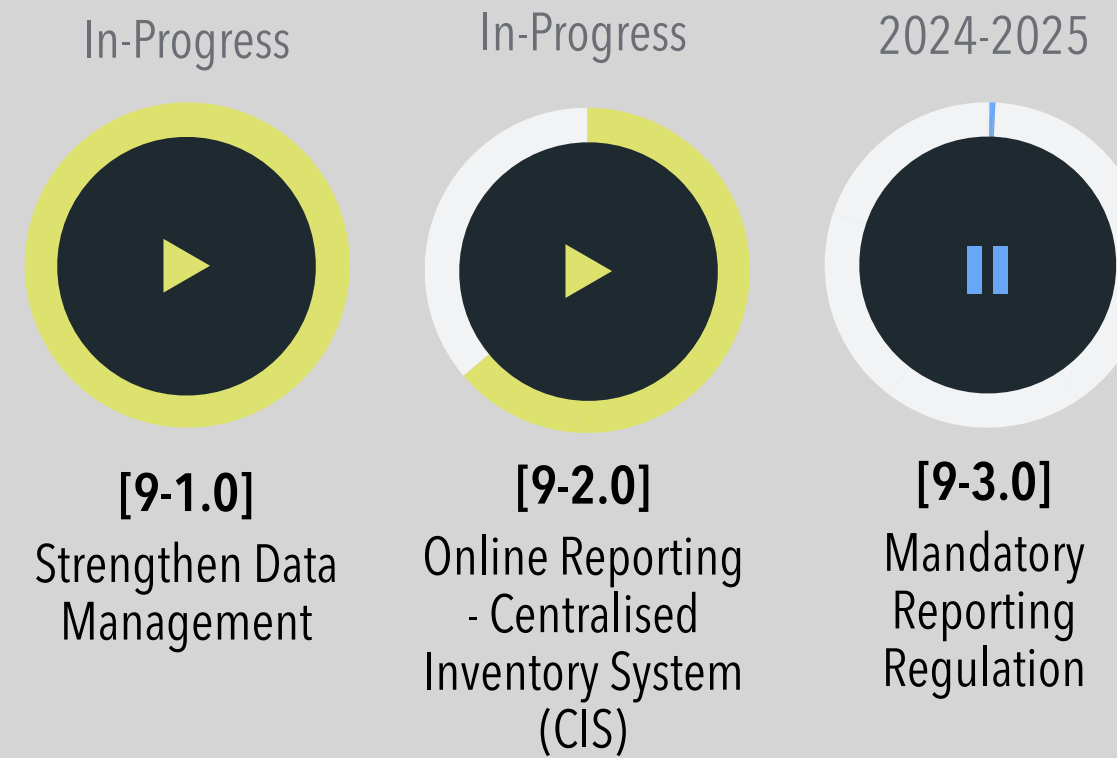
# CARBON INVENTORY

Q3 (JUL-SEP 2021)

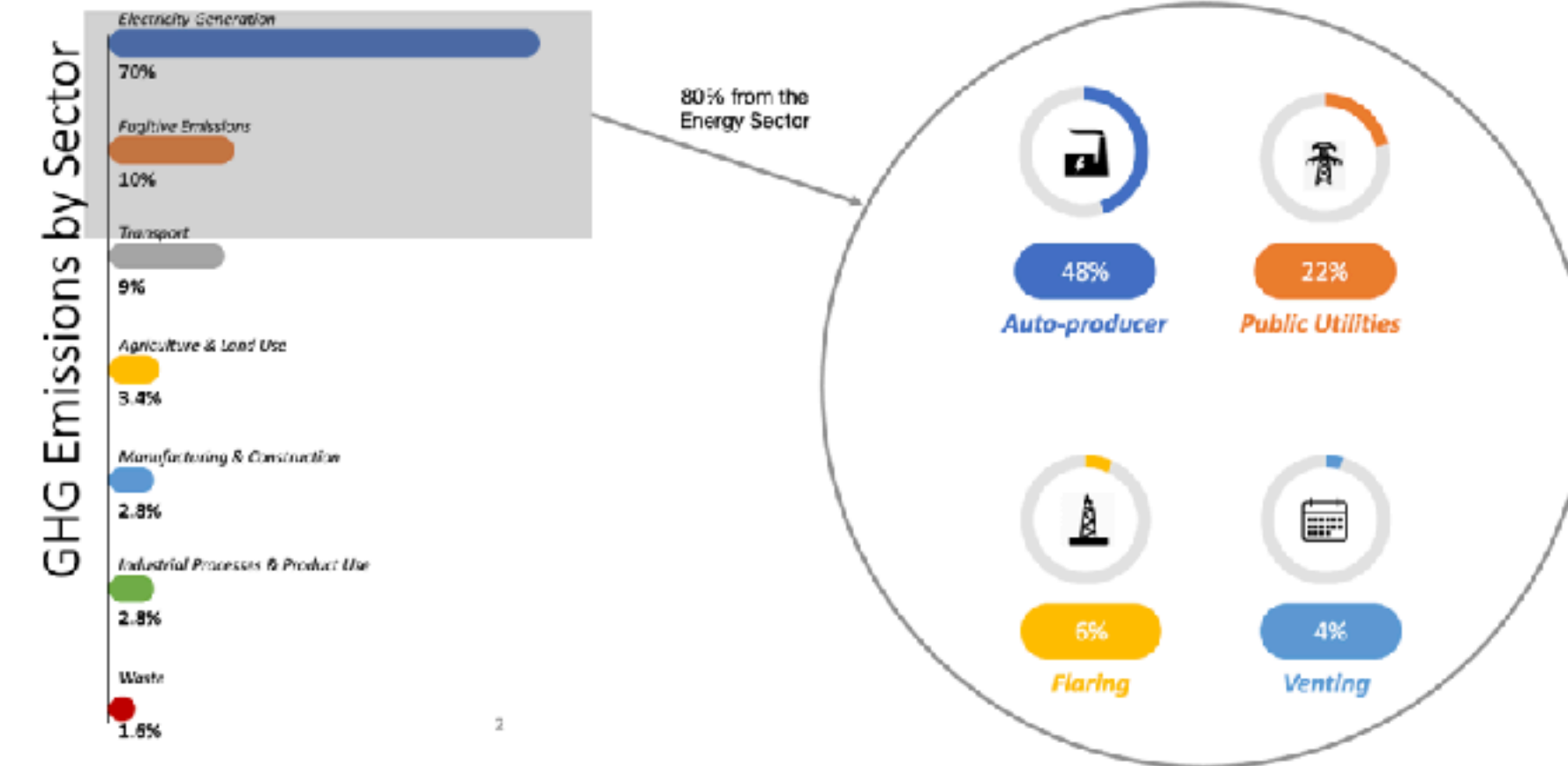
Reporting Based on Transparency, Consistency, Compatibility, Completeness & Accuracy (TCCCA) (%)



## Strategic Action Items

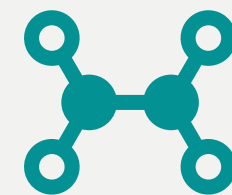


## BRUNEI DARUSSALAM'S GHG EMISSIONS IN 2020 (20%)



## Q3 HIGHLIGHTS

### 1. Centralised Inventory System (CIS)



- EPP Submission and open tender postponed to Q1, 2022, due to COVID-19 response priorities.

### 2. Mandatory Reporting Directive



- Drafting of the Directive for GHG Mandatory Reporting.

## Q4 PRIORITIES

### 1. Third National Communications

- GHG data for 2018 submission to UNFCCC (2010 & 2014 revised). Review by ME, MPRT and MTIC.

### 2. Quality Assurance by UNFCCC

- Preparation for UNFCCC experts visit to Brunei in February 2022, to conduct quality assurance on Brunei's GHG data.

### 3. Mandatory Reporting Directive

- Leveraged on S1 IEC to gain understanding on industries' methodology for GHG inventory measurement and reporting.

## KEY CHALLENGE



Different level of reporting capacities and methodology for GHG inventory across the industry.

### SUPPORT FROM EXCOM

- Timely submission of quarterly and annual GHG data.

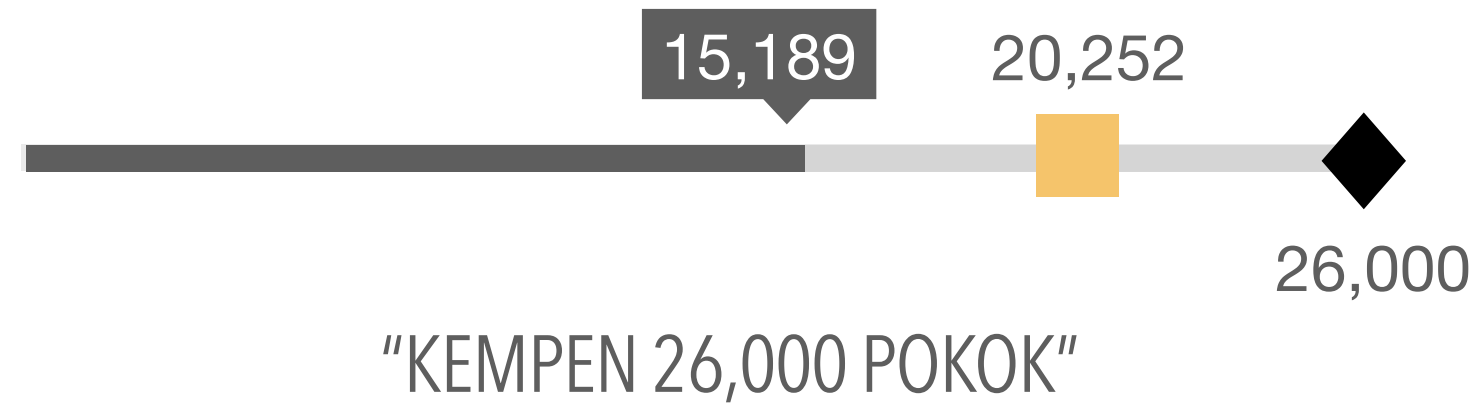
# REPORT ON BNCCP ENABLERS

4.12 Protokol Hijau

4.13 Climate Action Fund

Brunei Climate Change Secretariat

## No. of New Trees Planted under "Kempen 26,000 Pokok" for Q3/2021



Ministry	No. Trees*
Ministry of Education	8,899
Ministry of Development	2,842
Ministry of Energy	2,007
Ministry of Primary Resources and Tourism	1,970
Ministry of Transport and Infocommunications	843
Ministry of Finance and Economy	276
Ministry of Home Affairs	252
Prime Minister's Office	206
Ministry of Youth, Culture & Sports	111
Ministry of Foreign Affairs	88
Ministry of Defence	61
<b>Total</b>	<b>17,555</b>

\*as of 13 November 2021

## Q3 HIGHLIGHTS

### 1. Continuous Promotion

- Launching of Environmental Education Tours
- 390 saplings distributed to the public



### 2. Guidelines for F&B Sector

- Drafted PH Guidelines for Catering and Canteen Services.
- Submitted to DBP for official translation.



### 3. "Kempen 26,000 Pokok"

- Meeting with PH Focal Points from Ministries - on plans for tree planting.



## Q4 PRIORITIES

### 1. Focus on other PH elements.

- Paper Use, Single-Plastic Use, Energy, Water & Waste.

### 2. Continuous Promotion

- Virtual talks to private sectors and NGOs.
- PH trees plant at home by staff.

### 3. Guidelines for F&B Sector

- Finalise PH Guidelines for F&B. RBC as Partner (implementation for MOFE & PMO buildings).
- Launching postponed to Q1,2022.

## KEY CHALLENGE



1. Participation and Commitment from Ministries.



2. Planned tree planting activities on hold, due to COVID-19 outbreak.

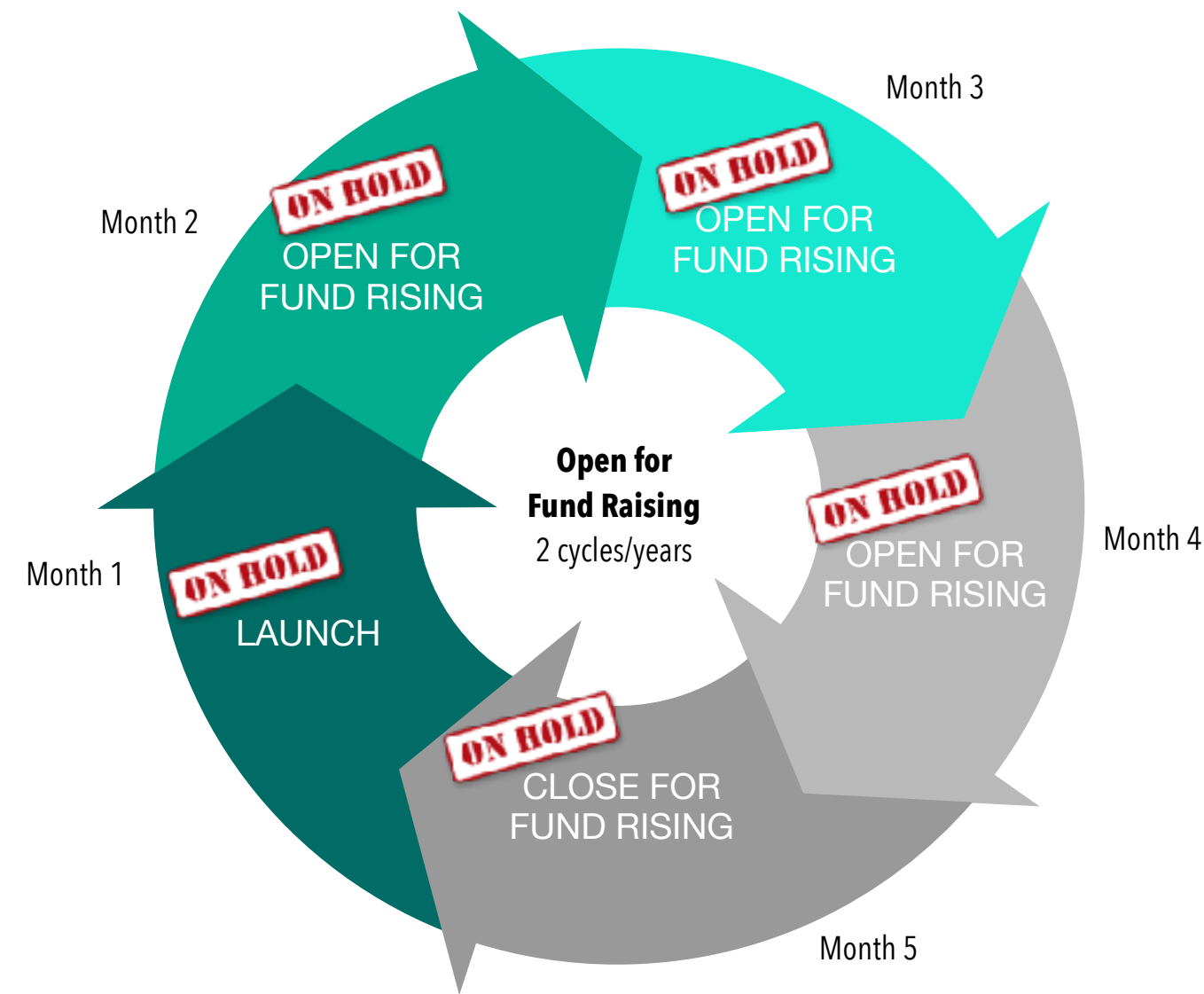
## SUPPORT FROM EXCOM

- ▶ Council to **support promoting wider implementation** of Protokol Hijau (other elements - energy, water, waste, paper use, events) within respective Ministries.
- ▶ To **carry forward targets** for Protokol Hijau's "Kempen 26,000 Pokok" to **2022**.

## OBJECTIVES

Establish a donation-based crowdfunding to implement relevant BNCCP strategies.

Provide opportunity to private sectors and public to support and contribute towards national climate action efforts.



## KEY PROCESS

- Acknowledgement from MOHA
- MOD to open "Suspense Account" with MOFE
- Launch Climate Action Fund

## Q3 HIGHLIGHTS

### 1. Account for CAF

- A "suspense account" with MOFE has been created - GOBRN/E56410/TAPPBP/TAPPBA/500100 - DANA TINDAKAN IKLIM.

## Q4 PRIORITIES

### 1. Launching of CAF

- Postponed to Q1, 2022.

## KEY CHALLENGE



CAF may not be seen as a priority during the current pandemic situation.

### SUPPORT FROM EXCOM

- ▶ Indication from respective ExCom Members on **support and contribution** to the Climate Action Fund.

## RECOMMENDATION

1

The Meeting to **support and take consideration** on the list of supports required for BNCCP Strategies 1-10; and BNCCP Enablers.

# UPDATES REPORT

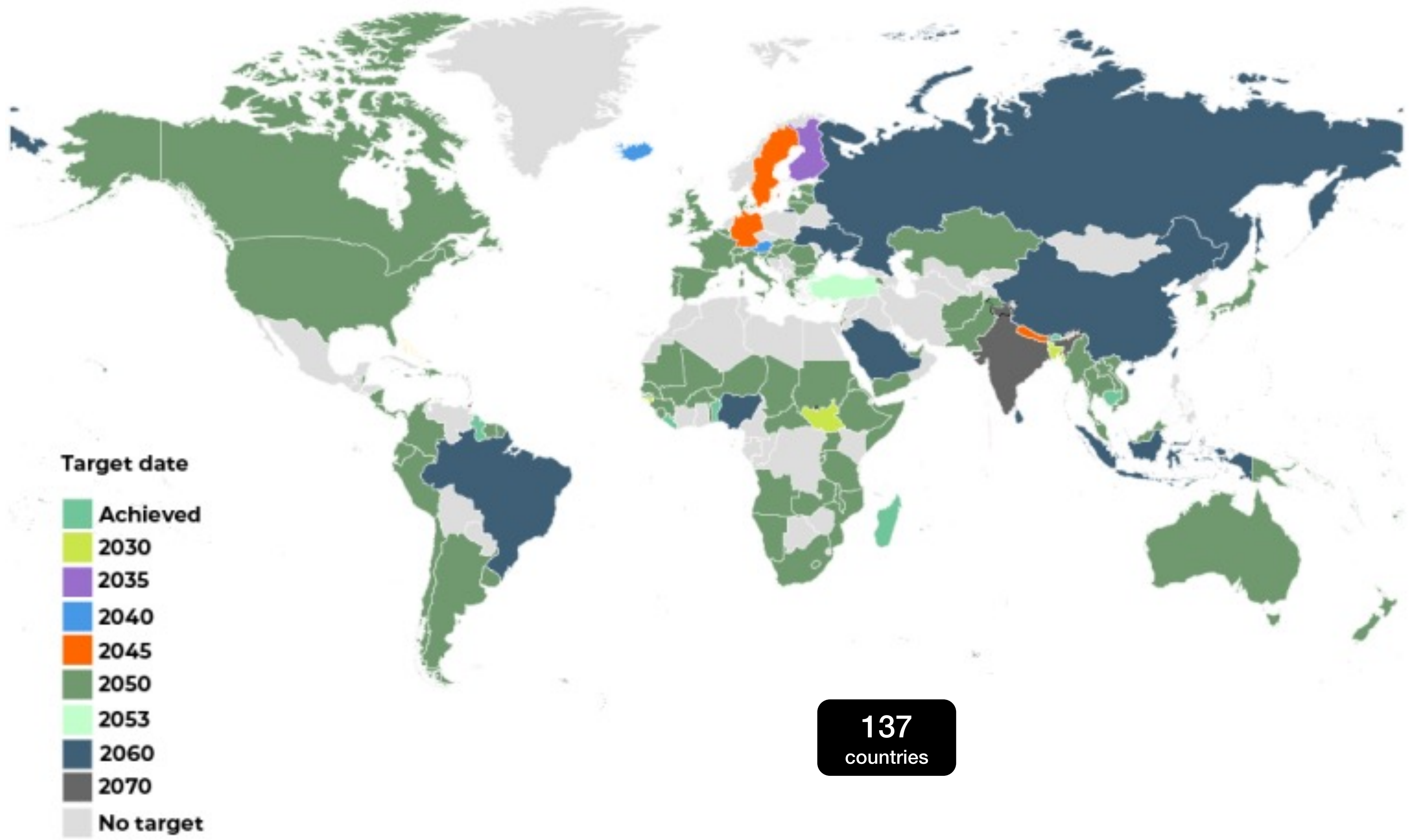
5.1 Net Zero Brunei Darussalam

5.2 Outcomes of COP 26

5.3 Deliverables and Key Priorities for 2022

Brunei Climate Change Secretariat

# NET ZERO PLEDGES



137 countries

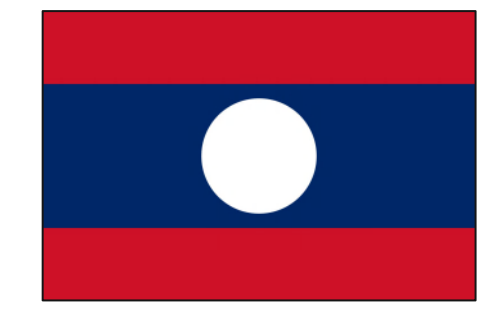
## ASEAN



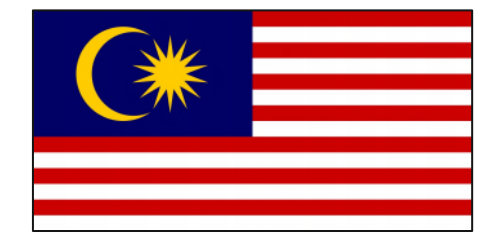
2050



2060



2050



2050

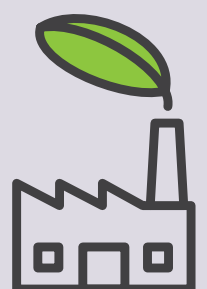


2065



2050

# BRUNEI DARUSSALAM'S PRELIMINARY NET ZERO PATHWAY



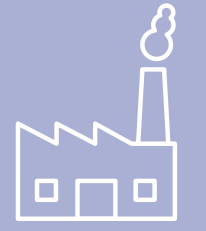
## SHORT TERM 2020-2025

## MEDIUM TERM 2026-2035

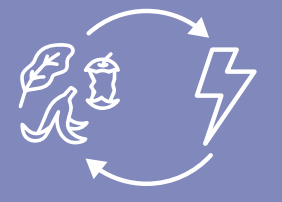
## LONG TERM 2036-2060



Fossil Fuels

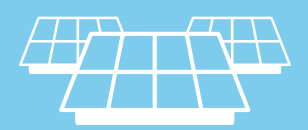
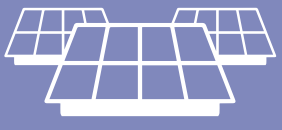


GHG Abatements:  
Zero routine flaring & ALARP venting



Waste-to-Energy

100MW Solar PV

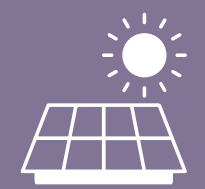
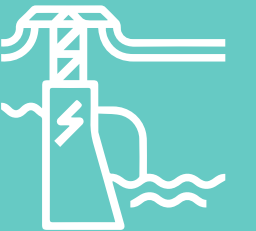


200MW Solar PV



400MW Renewable Energy Source

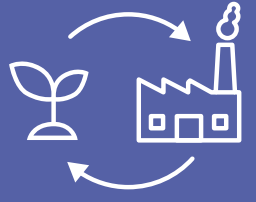
150MW Imported Hydropower



Renewables Energy



Carbon Market



Voluntary carbon offset mechanism

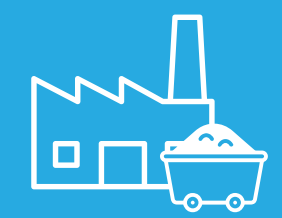
Carbon Pricing



Carbon Pricing

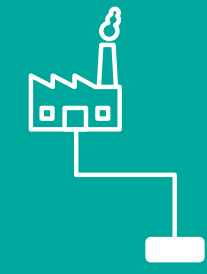


CCUS



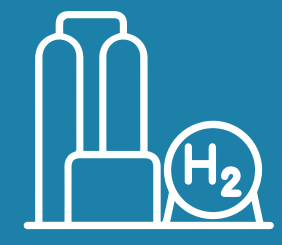
Installed CCUS at targeted IPP units

Installed CCUS at remaining IPP units



Hydrogen

Hydrogenation/ Hydrogen supply for Industries



Blue and green hydrogen power plant



Forest

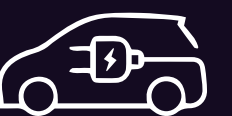
Afforestation and reforestation



500,000 trees



Integrated land-use management policies



Electric Vehicles

60% EVs



100% EVs



**1.5°**

Keeping the 1.5°C Target Alive



90% of the Global GHG Emissions are Covered by Net-Zero Pledges

**2.2°**

If Net Zero Pledges are Implemented Effectively



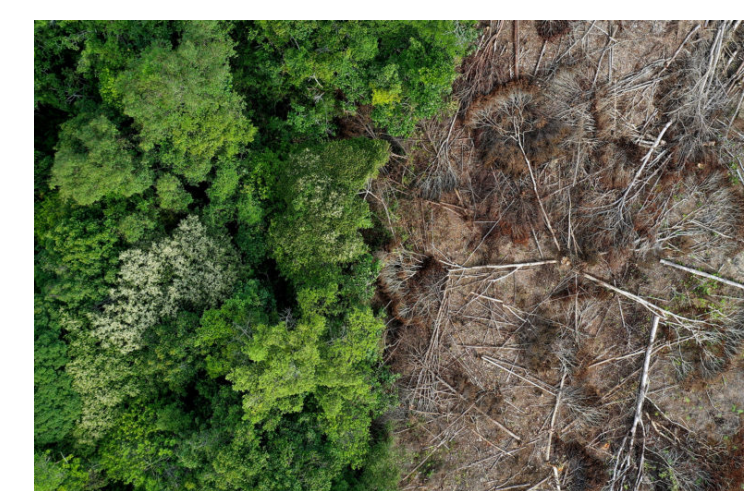
# UN CLIMATE CHANGE CONFERENCE UK 2021

IN PARTNERSHIP WITH ITALY

1-12 November 2021  
Glasgow, UK

## Paris Rule Book

Operationalisation of the Paris Agreement



Glasgow Leaders' Declaration on Forests and Land Use

141 countries



Global Coal-to-Clean Power Transition Statement

46 countries



The Global Methan Pledge  
Curb Methane Emissions by 30% by 2030

104 countries



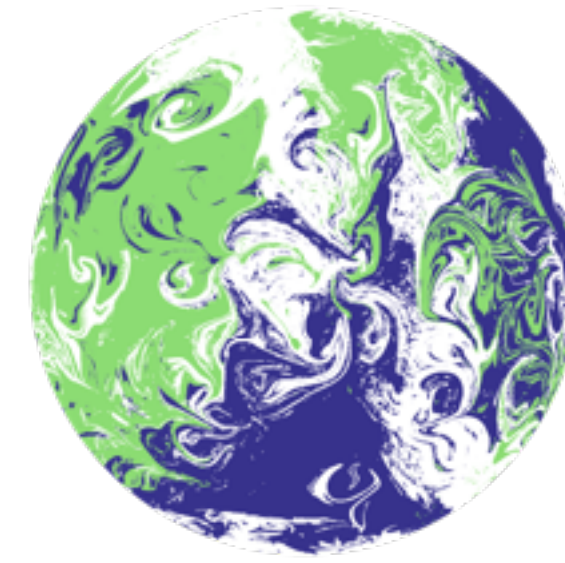
- ▶ Nations to “revisit and strengthen” respective 2030 targets in NDCs by end-2022
- ▶ Climate adaptation finance to developing countries will be “at least double” 2019 levels by 2025
- ▶ Adopt enhanced transparency framework by 2024
- ▶ Countries encouraged to adopt common timeframes for post-2030 NDCs

# BRUNEI DARUSSALAM'S

## Deliverables & Commitments



1. National Statement - **Expressed intention to move towards “net zero” by 2050.**
2. **Endorsed the “Glasgow Leaders Declaration on Forests & Land Use”** - preserve forests, and reverse deforestation; and sustainable agriculture.
3. **Endorsed “Global Coal-to-Clean Power Transition Statement”** - accelerate deployment of renewable energy; and phase out the use of coal by 2050.
4. Engaged strategic partners to support the establishment of the **ASEAN Centre for Climate Change** in Brunei Darussalam.
5. Presented the **“ASEAN Joint Statement to COP26”** as ASEAN Chair.



**UN CLIMATE  
CHANGE  
CONFERENCE  
UK 2021**

IN PARTNERSHIP WITH ITALY

## **PREPARATION FOR COP 27 2022, Egypt**

1. **Submissions** to UNFCCC:-
  - a. Long-Term Strategy (2050).
  - b. Biennial Update Report (BUR).
  - c. Third National Communication.
2. Brunei Darussalam and ASEAN Centre for Climate Change to **secure a joint pavilion space.**
3. Brunei Darussalam delegation to be **opened up** to private sectors, NGOs and youth representatives.

# 2022 DELIVERABLES & KEY PRIORITIES

## “YEAR OF OUTCOMES”

### 1st Quarter

#### ● POLICY

- Climate Action Fund
- Protokol Hijau for F&B Sector
- Low Carbon Growth Framework

#### ● TECHNOLOGY

- Tree Planting App

#### ● ASSESSMENT

- Tree Planting App
- Carbon stock - terrestrial & wetland

#### ● PROMOTION

- MOU Signing with BIBD
- Climate Theatre

### 2nd Quarter

#### ● POLICY

- GHG Mandatory Reporting Directives
- Harmonised MRV

#### ● TECHNOLOGY

- Centralised Inventory System
- Brunei-Singapore on CCUS

#### ● ASSESSMENT

- Net Zero Trajectory
- EV Pilot Project Mid-Term Review
- Climate Hazard Mapping

#### ● PROMOTION

- MYCE - Climate Action Week
- Earth Day
- GHG Emissions Statistic

### 3rd Quarter

#### ● POLICY

- Zero-Routine Flaring Directives
- Voluntary Carbon Offset Mechanism Institutional Framework

#### ● TECHNOLOGY

- Floating Solar PV

#### ● ASSESSMENT

- Land-Use Mapping
- Climate impact baselines & KPIs

#### ● REGIONAL

- Launch of ASEAN Centre for Climate Change
- Host ASEAN Working Group on Climate Change Meeting

### 4th Quarter

#### ● POLICY

- ALARP Policy
- Carbon Pricing Framework Options
- National Adaptation Policy

#### ● TECHNOLOGY

- Carbon Capture, Utilisation & Storage pilot

#### ● INTERNATIONAL

- Pavillion at COP27
- Submissions to UNFCCC - LTS; 3rd Nat Com & 1st BUR

## RECOMMENDATION

1

The Meeting to **take note** on updates from BCCS - Net Zero Brunei Darussalam, Outcome of COP 26, and Deliverables and Key Priorities for 2022.

# ANY OTHER BUSINESS

## 6.1 BIBD's Efforts on Climate Action and Promotion

Bank Islam Brunei Darussalam (BIBD)



**BIBD  
Sustainability  
Framework**



# Our Green Journey So far..



**June 2021**

Sustainability Transformation Group approval from Board



**25 October 2021**

YB Dato Chairman announced the Sustainability Roadmap and Framework and a financial target commitment of BND 2 Billion by 2030 during the ASEAN Business Investment Summit (ABIS)



BIBD Group of Companies developed our 'Sustainability Roadmap and Framework.'

**August 2021**



Full Implementation of the Roadmap for BIBD's Group of Companies

**25 November 2021**



# BIBD Sustainability Framework (SF)

BIBD is communicating our sustainability strategy as 3 overarching pillars with strong alignment between Maqasid Shariah, Wawasan Brunei 2035 and the UNSDGs.

## SUSTAINABILITY FRAMEWORK - 3 PILLARS

	Environmental Protection	Responsible Entrepreneurship	Inclusive Social Impact
Focus Areas	<ul style="list-style-type: none"> <li>Clean energy</li> <li>Sustainable agriculture, aquaculture and forestry</li> <li>Sustainable supply chains</li> </ul>	<ul style="list-style-type: none"> <li>SME and job creation</li> <li>Digitalisation</li> <li>Infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>Financial Literacy</li> <li>Access to financing for 'unbanked'</li> <li>Support for underprivileged groups</li> </ul>
Maqasid Shariah Alignment	<ul style="list-style-type: none"> <li>Preservation of Life</li> <li>Preservation of Lineage</li> </ul>	<ul style="list-style-type: none"> <li>Preservation of Life</li> <li>Preservation of Wealth</li> </ul>	<ul style="list-style-type: none"> <li>Preservation of Intellect</li> <li>Preservation of Faith</li> <li>Preservation of Life</li> <li>Preservation of Wealth</li> </ul>
Wawasan Brunei Alignment	<p><b>Goal 2</b> Quality of Life</p>	<p><b>Goal 3</b> Dynamic &amp; Sustainable Economy</p>	<p><b>Goal 1</b> Educated, highly skilled &amp; Accomplished People</p>
UNSDG Alignment			

Commitment to **target B\$2 Billion of funding** for these pillars over 10 years between 2021 to 2030

# BIBD'S INVESTMENT ON UNSDG

**BIBD have undertaken significant work around corporate social responsibility (CSR) but have yet to fully steer their business and operational activities to sustainability objectives**

Business	SDG	Business Support	SDG	CSR	SDG
<b>ESG Fund in BIBD Securities</b> Launching ESG equity fund with Arabesque in 2021		<b>1 Kampong 1 Produk</b> Equipping participants from Mukim and Kampung with entrepreneurial knowledge/ skills		<b>ALAF</b> Youth empowerment, supporting students in education	
<b>SME360</b> Platform supporting MSME and SME ecosystem		<b>Green Protocol</b> Tree planting in collaboration with the government		<b>SEED</b> Supporting underprivileged mothers in entrepreneurship endeavours	
<b>LiveWire AgroBiz</b> Supporting small agricultural businesses		<b>Waste Management</b> Initiatives aimed at tackling paper and plastic consumption		<b>Connects</b> Housing microbusinesses in re-usable containers	
<b>Digital Agenda and Transformation</b> Improving access to financing and customer experience		No ESG policies/metrics for risk management	-	<b>Sirah Amal</b> Supporting underprivileged communities	
Lack of portfolio steering in corporate sector to green/sustainable sectors	-	No financing policies directly aimed at sustainability topics	-	<b>Catalyst</b> MSME accelerator 	
Lack of green/sustainable products for retail clients	-	No internal metrics/KPIs to measure sustainability performance or manage Group carbon footprint	-	Opportunity for further support on CSR (e.g. Health)	-

# BIBD'S PLANS FORWARD

BIBD could operationalise its SDG priorities according to the business/CSR/internal categorisation




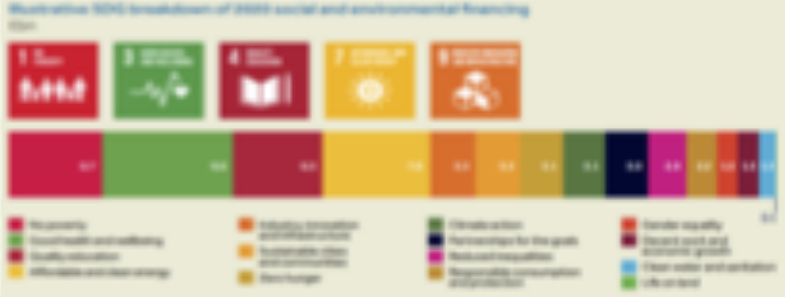



Non-exhaustive

Group commitment to UN Sustainable Development Goals

	Environmental Protection	Responsible Entrepreneurship	Inclusive Social Impact
Business Priorities	<ul style="list-style-type: none"> <li>Support energy transition and efficiency within Brunei (e.g. EVs, green mortgages)</li> <li>ESG/impact strategies for funds within Asset Management</li> <li>Preferential financing rates based on ESG credit policy/ESG governance framework</li> </ul>	<ul style="list-style-type: none"> <li>Drive job creation through SME and corporate financing</li> <li>Digital banking and financing of infrastructure projects</li> <li>Low-carbon/public transportation infrastructure financing</li> </ul>	<ul style="list-style-type: none"> <li>Elevate low-income Bruneian through access to finance</li> <li>Provide preferential rates for student loans to participate in higher education</li> <li>Enhance banking services beyond privileged sector (e.g. youth, foreign workers)</li> </ul>
Active CSR Initiatives	<ul style="list-style-type: none"> <li>Biodiversity and forestry protection in Brunei (e.g. tree planting initiatives)</li> </ul>	<ul style="list-style-type: none"> <li>Digital and business training initiatives for MSMEs/SMEs and graduates</li> </ul>	<ul style="list-style-type: none"> <li>Food donations for underprivileged groups</li> <li>Covid-19 support initiatives</li> <li>Foster financial literacy (e.g. ALAF)</li> <li>Promote female entrepreneurship (e.g. SEED)</li> </ul>
Internal Activities	<ul style="list-style-type: none"> <li>Introduce ESG policies &amp; criteria into lending and risk management processes</li> <li>Transition energy use at BIBD offices/locations/fleet to renewable sources</li> <li>Sustainable procurement policies</li> </ul>	<ul style="list-style-type: none"> <li>Digital academy and targeted certifications to reskill/upskill employees</li> <li>UN PRI signatory and partner with ASEAN/development institutions</li> </ul>	<ul style="list-style-type: none"> <li>Set gender targets within Group at managerial and operational level</li> </ul>



**Extent of SDG reporting varies by bank and there is currently a lack of industry consensus on the best reporting methods**

KPI	Description	Bank Examples
Impact Indicator	Measuring of output, outcome or impact numbers and mapping to individual research	 
Quantitative Mapping	Mapping of input numbers (e.g. financing volume) to individual SDGs	 
Flagging	Qualitative mapping of business activity to individual SDGs	 
SDG Labelling	General involvement with SDGs (e.g. specific examples)	 <p data-bbox="2259 1497 2845 1603">Banco Santander, along with more than 125 banks, has signed the Responsible Banking Principles to contribute to the UN Sustainable Development Goals, demonstrating its commitment to a sustainable and inclusive future.</p>

# OUR JOURNEY FROM CSR - ESG - SDG

Sustainability in business has witnessed an evolution from CSR to ESG process and operational alignment and now more recently to a focus on positive impact encapsulated in the SDGs

## CSR

- CSR aims to make business accountable while ESG criteria make business' efforts measurable
- CSR reports typically contained qualitative descriptions of corporate culture and voluntary initiatives
- However, CSR is not integrated into a company's operational or business objectives

## ESG

### *Traditional focus of investors*

- Environmental, social and governance (ESG) factors demonstrate **how** a business is run in accordance with policies and standards
  - Environmental: e.g. measurable targets on waste management and energy efficiency
  - Social: e.g. human capital and human rights
  - Governance: e.g. board oversight and independence
- Investors have typically integrated these measurable factors into investment processes, catalysed by launch of UN PRI in 2006

## SDG

### *Positive Impacts*

- Financial services industry is becoming increasingly focused on **what** a company is positively contributing to society
- UN's Sustainable Development Goals (SDGs) are a universally accepted framework for measuring positive impact
- Investors also starting to find ways to quantify a company's SDG impact and derive insights about potential future financial performance





# Our ESG Framework

## Environment

## Social

## Governance

### Businesses:

BIBD NEXGEN  
Waste Management  
Merchant e-commerce

### Businesses:

BIBD SEED  
BIBD Connects  
BIBD YES!  
Community for Brunei

### Businesses:

BIBDS ESG Fund  
Women in leadership  
IFRS9



MOHA  
Green Campaign



Nationwide Marine  
Debris Clean Up



Plastic Free Brunei



Plastic Free July

## SHAPING COMMUNITIES FOR A BETTER TOMORROW



Signatory of:





[www.bibd.com.bn](http://www.bibd.com.bn)

BIBDBRUNEI    



## RECOMMENDATION

1

The Meeting to **take note** on items raised under AOB - BIBD's Efforts on Climate Action and Promotion.

# NEXT MEETING

## RECOMMENDATION

1

The Meeting to **consider** to hold Executive Committee on Climate Change Meeting No.11 on the third week of February 2022, for BNCCP 2021 Annual Report.

# سُورَةُ الْعَصْرِ

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
 وَالْعَصْرِ ①  
 إِنَّ الْإِنْسَانَ لِرَبِّهِ لَكْفُورٌ ②  
 إِلَّا الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ ③  
 وَتَوَّصَوْا بِالْحَقِّ وَتَوَّصَوْا بِالصَّبْرِ ④



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1.5°C

Paris 1.5° stretch goal

2.0°C

Paris 2.0° goal

3.0°C

If countries fulfill their  
current Paris Pledges

4.0°C

Where we are headed

تريما كاسيه  
Thank You